

# SCOTT-ATWATER SERVICE MANUAL

## SECTION A - GENERAL INFORMATION FOR THE SERVICEMAN

### CONTENTS

	Page
<b>INITIAL DEMONSTRATION</b>	<b>1</b>
Fuel	1
Putting Motor on Boat	3
Adjusting the Tilt	3
The Tilt Lock	3
The Reverse Lock	3
Starting the Motor	4
Carburetor Adjustment	4
Draining the Carburetor	5
Maintenance	5
Use of Motor in Salt Water	6
Warranty and Service Policy	7
<b>PERIODIC CHECKUPS</b>	<b>9</b>
<b>OVERHAUL AND MAINTENANCE</b>	<b>9</b>
<b>TRADE-INS</b>	<b>10</b>
<b>RENTAL BUSINESS</b>	<b>11</b>
<b>STORAGE AND TUNE-UP</b>	<b>13</b>
<b>ACCESSORIES</b>	<b>13</b>
<b>REFINISHING THE MOTOR</b>	<b>14</b>
<b>OUTBOARD THEORY AND PRACTICE</b>	<b>15</b>
Two Stroke Cycle Engine	15
Carburetor	18
Magneto Principles	20
Effect of Boat Design	22
Propeller Choice	24
References	26



## GENERAL INFORMATION FOR THE SERVICEMAN

The serviceman is very important to the sale of outboard motors, both directly and indirectly. Directly, he's concerned with trade-ins, rentals, refinishing and storage. Indirectly, his repair and maintenance work keeps customers satisfied and sold on their motors, and these customers, by telling others that they are satisfied, "sell" more motors.

The main duties of a serviceman are (1) the initial demonstration of the motor and instructions on the correct methods of operation. (2) periodic tune-up and adjustment, and (3) repair and maintenance, including overhauls. These three divisions of work are covered briefly in the first part of this section.

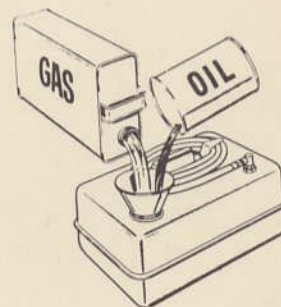
### INITIAL DEMONSTRATION

Many of today's outboard motor buyers are entirely unaware of the correct method of operating an outboard, or if they know fundamentals, are not familiar with new, modern features.

Before the customer leaves the store, the motor should be removed from its packing and demonstrated in a test tank. The customer should be shown how to secure the motor to the boat, prepare fuel, start the motor, operate it, and should be given instructions on general handling of the motor. In so far as possible the owner should perform each operation after it has been demonstrated and explained, really get to know the motor by actually starting it himself, shifting, stopping, adjusting the tilt and so on. This procedure will eliminate the flood of first-day troubles and irritations, and also give the serviceman the opportunity to correct any possible irregularities in the adjustment of the particular motor. The following general information may be used as a guide for the initial demonstration. For specific information, see the Owner's Manual for the model being sold. Be sure to tell your customer all about each of these items.

### FUEL

The gasoline and oil can be mixed directly in your STOWAWAY tank. Put half of the gasoline into the tank and add the full recommended amount of oil. SHAKE VIGOROUSLY. Add the rest of the gas, shake again. Do not put oil into the tank first, as it may clog the hose or fuel pump.





For The First 5 Gallons Of Fuel, three-quarters of a pint of SAE 30 oil should be mixed with each gallon of gasoline. A reputable brand of "Regular" (straight-run mineral type) oil and "Regular" gas should be used. Heavily leaded ("Ethyl") gasoline is fine in an automobile, but it tends to foul outboard spark plugs. And "Heavy Duty" or "Premium" oils contain detergent additives which also form abnormal deposits in outboard motors.

We strongly recommend the use of Scott-Atwater Outboard Motor Oil. All oil is not the same. And Scott-Atwater Oil is not just an ordinary straight-run mineral oil, but a special naphthenic base mineral oil developed during the war. Because in the petroleum distilling process naphthenic base oil comes off right after gasoline, it is light in color and body - much like gasoline.



Therefore, it mixes easily with gas and stays mixed. It burns like gasoline, almost without smoke. It forms little carbon - and the carbon it does form is soft, fluffy, and easily carried away by the exhaust. It does not foul plugs - even in 100 hours.

Scott-Atwater Motors are built to extremely high precision standards so they can use this light weight oil and still get adequate lubrication. Scott-Atwater Motors were designed specifically to take advantage of it - probably the only time motors have ever been designed around an oil.

Scott-Atwater Motor Oil is the only oil of its kind we know of. Recommend it without qualification to your Scott-Atwater owners. It will help them get performance not possible with any other motor.

White marine gas is the ideal outboard motor fuel because it is blended for use in marine engines. It does not contain tetra-ethyl lead which fouls spark plugs on outboards, nor does it form gum. You can do yourself and your customers a favor by stocking and selling Scott-Atwater Outboard Motor Oil and marine white gasoline. This gas can be purchased in 55 gallon drums from your local supplier. If it is not readily available, "Regular" gas should be used, as explained before.

While using the first 5 gallons of gas, the motor should not be run at more than three-quarter speed. It can be opened up to full speed briefly to set the carburetor main adjustment knob. While the fifth gallon of gas is being used, the motor may be run for short periods (a few minutes at a time) at full speed.



After The First 5 Gallons of Fuel is used, one-half pint of SAE 30 oil per gallon of gas is sufficient. Changing the mixture will result in less smoky operation. Readjustment of the idle screw is sometimes necessary for smoothest running at slow speed.

If the motor is run for extended periods at top speed, a little more oil should be mixed with the gas. This will not effect top speed performance.

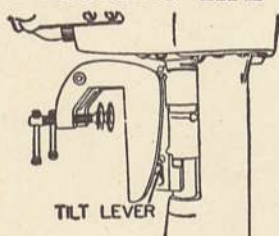
For operation at high altitudes, the oil mixture should be increased as follows: 4,000 to 5,000 feet above sea level, 20% more oil; 5,000 - 6,000 feet, 25% more; 6,000 - 8,000 feet, 30% more.

### PUTTING MOTOR ON BOAT

The easy way is to put the stern of the boat in to shore and place the motor on the transom in the tilted position. Point out to your customer that in this way there's no need for him to scramble over the seats of a rolling boat with his hands full of motor.



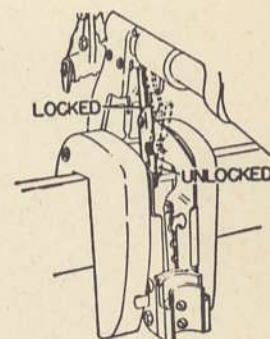
### ADJUSTING THE TILT



Because boats vary in both the angle of the stern and the angle at which they operate, it is necessary to adjust the tilt of the motor to fit the boat. As a general rule, the motor should be approximately perpendicular to the water at full speed.

### THE TILT LOCK

When the tilt stop (See illustration) is fully extended, it locks the motor in the tilted position. The motor should be held so it can be let down slowly when the tilt lock is released. This protects the motor as well as the fingers. On the '54 and later models (5-7 1/2 & 10 HP) the motor is held in tilted position by friction. The 16 HP model automatically locks into position when tilted forward as far as possible. To lower, pull the release located below the shift lever in the boat bracket. Hold the motor so it can be let down slowly. On models where the motor is held in tilted position by friction, always keep the tilt-friction nut tight enough to hold the motor in any tilted position. Tilt locks are standard on 1956 model 5, 7-1/2, 10, 16 and 33 HP and 1955 model 16 and 30 HP motors.



### THE REVERSE LOCK

This lock keeps the motor from tilting itself when operating in reverse. It engages automatically when the Shift lever is moved into the reverse position.

If put in reverse while tilted up, the motor will not return to the full "down" position until shifted to neutral or forward because the reverse lock is in the way.



## STARTING THE MOTOR

1. Open air vent screw on gas tank filler cap and turn on gas. On motors equipped with the automatic gas line and air vent control, both these operations are automatic; just unlatch the speed control lever.
2. When using the Stowaway tank attach the hose to the motor, and open the air vent in the cap. Squeeze the primer section of the hose six or seven times. This will initially fill the hose and carburetor.
3. Set the carburetor knob at "6", approximately.
4. On shift models place Shift lever in neutral (center position - straight up and down). This is simply a safety precaution. Some motors may be started in forward or reverse. Models with Automatic Starter Lock must be started in the neutral position.
5. Set the speed control at the START position.
6. When the motor is cold, choke while starting.
7. Pull starter cord knob quickly but gently. Although the starter unit contains 69 inches of rope, it is never necessary to use more than two feet of it.
8. As soon as the motor starts, open the choke. On shift models, you can let the motor warm up a moment in neutral (for smooth running it may be necessary to re-set carburetor knob slightly).
9. On shift models move speed control lever to shifting range and shift into gear (reverse: lever to rear; forward: lever to front of motor).
10. Make final adjustment of carburetor knob going forward with motor running at top speed. Set carburetor knob for smoothest, fastest running of motor at full speed. Once this adjustment has been made it is not necessary to readjust the carburetor knob for operation at slower speeds.

## CARBURETOR - ADJUSTMENT FOR IDLING

This adjustment is set at the factory and ordinarily requires no attention. However, where abnormally high or low temperatures are encountered, or when fuel mixture is changed, a slight re-setting may be necessary for best performance. After the carburetor adjustment has been made at high speed (as in 10 above) slow the motor down to its slowest possible speed. If it coughs at slow speed, the mixture is too lean - turn the idle adjustment screw clockwise to a slightly richer setting. If the mixture is too rich, the motor will run roughly, smoke excessively, or stop. Turn the adjustment to a slightly leaner setting (counter-clockwise). The correct adjustment will lie approximately between  $1/2$  and  $3/4$  of a turn open from the fully closed (clockwise) position.



## DRAINING THE CARBURETOR

To minimize fuel odor when carrying the motor in a car, the carburetor fuel bowl should be drained. If the motor does not have a drain valve, shut off the gas line and run the motor until it stops.

On the 497 model, open the carburetor drain valve (below skirt, front of motor) a turn or two. The speed control lever must be retarded and latched. Be sure to close the drain valve after emptying.

On 1950 and later shift models, latch the speed control lever, turn the carburetor adjustment knob clockwise until closed; then push the knob in. This dumps the contents of the carburetor bowl.

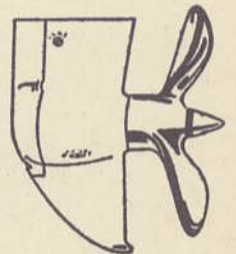
## MAINTENANCE

**Shift Transmission - Lower Unit.** The shift transmission is housed entirely within the Lower Unit and requires no attention other than the usual monthly inspection to make sure that there is sufficient grease.

A recommended Outboard Gear Grease should be used in all models up to and including the 7 1/2 HP prior to '54. For the 10 and 16 HP models and all Bail-a-matic models, Scott-Atwater Gear Lubricant SAE-#90 (EF) is recommended.

The outboard gear grease is supplied in a handy tube that fits into the grease opening. To check or fill the lower unit of models that use this grease, both the grease plug in the bottom of the gear case and the air vent screw at the top must be removed. In filling, grease will emerge from the air vent hole when the gear housing is filled to capacity.

The Scott-Atwater lubricant is specially processed for top performance and is supplied in a one pint can with a handy filler attachment. To fill the lower units on the 5-7 1/2 and 10 HP motors of '54-'56, rest the motor on the rear carrying handle and remove the fill plug. Remove the drain plug from the gear case cap and the vent screw, allowing any accumulated water to drain. Fill the unit to capacity through the grease plug opening, and replace the plugs.



The lower unit of the 16 HP up to and including 1955 models should be filled with the motor in an upright position. Drain the gear case by removing both the fill plug and drain plug from the lower section of the gear case. Replace the drain plug and refill.

The lower unit of the 1956, 16 HP should be filled with the motor in the upright position. Remove the fill plug and the upper vent plug on the gear case cap. Fill until the grease is level with the fill plug. Drain the lower unit by removing the fill plug and the lower plug on the gear case cap.

Fill the lower unit of the 30 and 33 HP motors with the motor in an upright, or tilted-up position. Remove the vent plug at the top of the lower unit body, and the fill plug at the center of the body. Fill until lubricant flows from the fill hole. Replace the fill and vent plugs. This filling also lubricates the bearings in the cap.



**Propeller** - All shift models have either a slip clutch, cushioned hub or shock absorber propeller as standard equipment.

**Slip Clutch Propeller:** The hub of the propeller contains the Saran slip clutch. Should an underwater obstruction be hit, the clutch allows the propeller to slip, instead of cutting the shear pin. It has been pre-set at the factory to slip when the twisting force acting on it exceeds the specified torque for the particular horsepower size. Ordinarily it will require no further attention. Adjusting it, however, is simple. Instruct your customer to consult his Owner's Manual for adjustment.

As additional protection to the drive and propeller shafts and other mechanism of the motor, a stainless steel shear pin is used to position the propeller on the propeller shaft. If this pin shears, the motor will run as if in neutral, regardless of what gear it is in. The motor should be shut off immediately, the propeller removed, and the pin replaced.

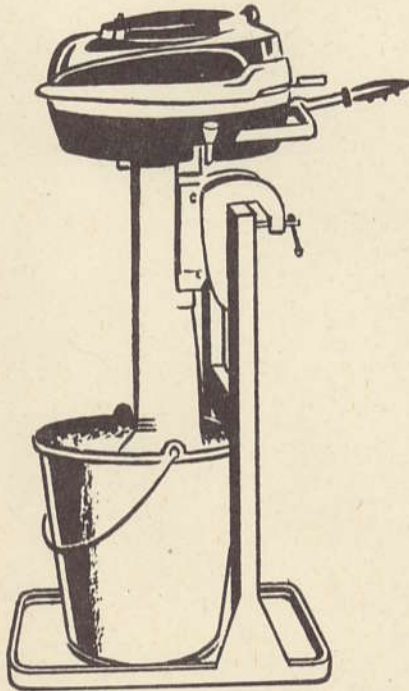




**Standard Propeller Shear Pin:** This soft "safety" pin shears off when an obstruction is struck at high speed, thus protecting the gears, shafts, and other mechanism of the motor from damage. If the pin is sheared, the motor will continue to run without the propeller turning. The motor should be shut off immediately and the pin replaced. Caution your customer to have a spare pin with him at all times. On smaller motors a piece of wire or a nail may be used temporarily if no spare pin is available.

### USE OF MOTOR IN SALT WATER

Scott-Atwater motors are built of alloy metals that combine the properties of light weight, sturdiness, and corrosion resistance to the highest known degree. Salt water will not harm them if the instructions below are followed.



The motor should be removed from the boat immediately after using it in salt water, and the outside of the motor flushed with fresh water to wash off any salt crystals that have accumulated. Then the motor should be placed on the steel motor stand with the propeller and lower unit housing in a large bucket of fresh water and the motor run slowly for half a minute or so. (On shift models - with the Shift lever in neutral; on non-shift models - with the propeller off.) Water in the bucket should come well above the pump inlet openings.

Grease in the lower unit should be checked periodically to make sure the gear case is full of grease and does not contain any salt water. At the same time, a light layer of grease should be applied to the propeller shaft. Caution should be taken not to apply so much grease that it will work into the propeller clutch lining, necessitating a re-setting of the clutch. It is also advisable periodically to remove the entire power head from the lower casing and grease the connection between driveshaft and crankshaft. An anti-corrosive, viscous lubricant, such as Texaco "Marfak Heavy Duty No. 3" should be used. To keep the motor looking new, it should be wiped off with an oily rag after each use, or waxed occasionally.





# FLUSHING - 30 & 33 HP

To flush the internal passages of these engines, remove the plug from the exhaust water cover plate. Then force fresh water through the system with a flushing nozzle attached to a regular garden hose. Always re-  
place flushing plug before operating motor. If the nozzle  
or hose facilities are not immediately available flush the  
motor by running it (in Neutral) in a barrel or bucket of  
fresh water.



Flushing Nozzle

## FLUSHING KIT - 5, 7 1/2 & 10 HP, also 16 HP 35

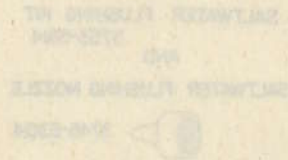
It is a simple process to install the fresh water flushing kit. Remove the 10 screws attaching the lower motor casing to the rear carrying handle, and remove the top two springs. The complete powerhead lifts off.



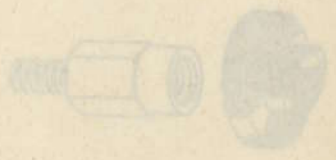
Drilled Hole

Drill a 3/4" diameter hole through the back of lower motor casing, directly in line with the extended inlet on the pump body.

Remove the wedge plug in the pump body.



Place the grommet over the hex on the adaptor, with the angle-cut side to the rear. Screw the adaptor into the pump body and tighten with a 5/8" wrench. Push the grommet in place between the adaptor and the hole.



Grommet Adaptor

Set the powerhead and carrying handle in place and hook the springs. Replace the lower motor casing and the 10 screws.

Use the flushing nozzle as shown in the upper photo. **IMPORTANT - After** flushing, always replace the adaptor screw and seal before starting engine.



## SCOTT-ATWATER WARRANTY AND SERVICE POLICY

The Scott-Atwater Warranty and the Scott-Atwater Service Policy are explained both from the dealer's and the customer's view point in this section.

Before you release a motor to a customer, fill out the Owner's Warranty Card and be sure you fill in the date of purchase and sign it. This card is scored to fit his billfold, and has an explanation of the Scott-Atwater service policy on the back. (Incidentally, at the same time fill out remainder of card.) Before the customer takes his motor he should also be instructed to return the motor for warranty repairs (in the event his motor fails) within the time limit.

If his motor needs normal repairs when he is at too great a distance from your shop to bring it to you (we feel he should be at least 15 miles from you), he may take it to any franchised Scott-Atwater dealer for warranty repair at no cost to him either in parts or labor. The owner pays for the labor at the time of repair, but is later reimbursed. Be certain to caution your customer that he must take the motor only to an authorized Scott-Atwater dealer for an out-of-town warranty repair. This is important. Repairs made by other service shops simply cannot be eligible.

Here's how the reimbursement plan works:

1. If a motor is brought to you for warranty service by an **OUT-OF-TOWN OWNER**:
  - a. No charge should be made for parts used in the repair. Return the replaced parts (properly tagged with defective parts tags) to your distributor for no-charge replacements.
  - b. Give the motor owner a receipted copy of the repair bill so he can make a claim for labor charges to the dealer who sold him the motor. This receipt must show the following information: your name and address, date of repair, parts replaced, repairs made and labor charges.
  - c. You must demand and get proof of date motor was purchased and from whom purchased, either by examining Owner's Warranty Card or bill of sale. Either of these MUST show selling dealer's signature, date of sale, and motor serial number.
2. When an owner who purchased a motor from you presents a bill for warranty labor done by an **OUT-OF-TOWN DEALER**, do this:
  - a. Make certain the bill is signed by an authorized Scott-Atwater dealer, giving date, parts replaced, repairs made, and labor charges. The dealer's location should be at least 15 miles from you.
  - b. Reimburse owner for full amount of labor charges - cannot be in excess of eight hours.
  - c. Forward the bill to your distributor, who will in turn credit you for 2/3 of the total labor charges on the repair bill. Under this procedure the labor costs are shared equally between (1) the dealer who made the sale, (2) the dealer's distributor, and (3) the factory.



These instructions aren't complicated, but they do have to be followed exactly. So be sure all your people are familiar with them. The plan does not apply outside the continental United States.

#### Scott-Atwater Warranty.

This outboard motor is warranted, under normal use and service, against defects in workmanship and material for a period of ninety days from the date of initial use by the original purchaser, which ever comes first. We agree to repair or replace, without charge to the purchaser, any part or parts proved to be defective within the warranty period. In all situations, motor or motor parts must first be returned to an authorized Scott-Atwater dealer.

This warranty is expressly in lieu of all other warranties, expressed or implied, and of all other obligations on our part and no representative or other person is authorized to make any warranty, or to commit this company to any liability, not strictly in accordance with this warranty.

This warranty shall not apply to any product which has been tampered with or altered in any way, or which has been subject to misuse, negligence or accident, or which has the serial number altered, effaced or removed.

The Scott-Atwater Mfg. Co., Inc., reserves the right to change without notice or obligation the construction, specifications and materials of any and all models.

Scott-Atwater Service Policy. (As printed in consumer literature) Your motor is so constructed that it can be repaired locally by an experienced repairman. For parts and service go to your authorized Scott-Atwater dealer, or to the Scott-Atwater distributor in your territory. Be sure to give the serial number of the motor together with the part name and part number on all parts orders.

It is the responsibility of your dealer, before delivering your motor to you, to inspect it thoroughly, explain its simple operation to you, and to fill out the warranty forms. We urge you to take advantage of these services to ensure your complete satisfaction with the motor.

If you are away from home and unable to return the motor to your original dealer, any authorized Scott-Atwater dealer will replace defective parts without charge for the parts, but you will be expected to pay him for any labor involved.

However, you will be reimbursed for such a warranty labor charge by the dealer from whom you purchased the motor - provided you give him a receipted bill from the Scott-Atwater dealer who made the repair. The receipted bill **MUST** show these things: (1) Name AND ADDRESS of dealer making repair, (2) Date of repair, (3) Parts replaced, (4) Repairs made, (5) Labor charges.

A receipted bill of sale, or warranty card properly filled in with the date of purchase and dealer's signature must be presented to the dealer making the repair as proof that the motor is within the warranty period.



## PERIODIC CHECK-UPS

The customer should be instructed to bring his motor back to the service shop after the first 10 hours of operation for a check-up. During the initial period of operation, any gas engine undergoes a general settling down of its components. If there are any loose screws or nuts, tighten them to a reasonable tightness. Further loosening is unlikely.

The spark plugs should be cleaned and re-gapped. Refer to the section on adjustment when checking the motor over.

Instruct the customer to return his motor periodically for minor adjustments and tune-up. This service will go far in promoting good will as well as attracting more buying traffic to your store.

## OVERHAULS AND MAINTENANCE

The well-equipped service shop will naturally be in a position to repair a motor regardless of what is wrong. The important thing to remember in all repair work, major or minor, is that it should be done with the object of making the customer thoroughly satisfied with his motor, not just repairing the motor to the point where it is "good enough."

Whenever reassembling parts, use new gaskets and replace all screws and nuts that appear damaged. Every repaired motor should be tested in the tank before going back to the customer.

\* \* \*

Besides the serviceman's main job, as outlined above, he is also concerned with the problems of sales in a more direct way, as we have stated before. The following pages give a brief description of some of these problems.



## TRADE-INS

The need of taking in old motors as trade-ins on new models is becoming greater each year. Post-war shortage of new models no longer exists, and many owners who purchased a motor in 1946 or 1947 now want to trade them in on new modern outboards with features such as the shift, bail-a-matic, single knob carburetor control and other Scott-Atwater conveniences.

### What to Allow on Trade-Ins

In Section J of this service manual there is a reprint of motor specifications from 1935 on. The prices given on each model for each year are list prices for the motors when new. Knowing both the age of the motor and its price when new will help to arrive at a fair trade-in value. One such publication that will greatly aid in establishing trading values, is the "Outboard Dealers Trade In Guide," published annually by the Abos Publishing Co. of Mishawaka, Indiana.

A very general basis on which to determine a motor's value is to assume that it depreciates in five years to a very low figure. This depreciation will be about 40% the first year. For example, let's assume that a motor is brought in for a trade. It is four years old and sold for \$150 when new. Now, let's construct a table showing the depreciation for each year for a period of five years when the motor will be worth about \$20.

List Price when new	\$150.
Value when 1 year old	90. (40% off)
Value when 2 years old	65.
Value when 3 years old	45.
Value when 4 years old	30.
Value when 5 years old	20.

Such a table will give a general idea of value. So the 4 year old motor will be worth about \$30. Checking the classified ads in the local newspaper will also give an indication of the going price of used motors.

The motor should be checked over for mechanical condition. The service man can determine a number of things without actually disassembling the motor. The following check list will help to give a thorough appraisal.

1. General Appearance- How much work to refinish. Condition of the surface, dents to be filled in, parts to be replaced. Tank leak?
2. Will it run - Idle, full speed, acceleration. Water pump discharge.
3. Magneto - If it won't run, will the mag give spark? Condition of plugs.
4. Fuel System - Tank dirty or rusty? Carburetor get fuel?
5. Rings & Cylinder - Test for compression by turning over engine.
6. Bearings - How free does it turn when not acting against compression?



7. General Usage - End and side play in prop shaft, crankshaft. Condition of grease in lower unit.
8. General Inspection - Inspect for cracks in all castings including the boat bracket.

If the motor is in good condition and can be resold without having much work done, the maximum trade-in can be allowed. However, if a lot of work is necessary to make the motor salable, the allowance will have to be cut down accordingly.

What to do with trade-ins? The work done in reconditioning the motors depends largely upon the manner in which they are to be disposed of. A few ways these motors bring income are through: (1.) direct sales off the floor, (2.) featuring them for store-wide sales at reduced price, (3.) resale to repair shops specializing in used motors, (4.) rentals and (5.) sale to resort operators.

The choice of disposal depends partly on the motor itself. Those in good salable condition can best be sold outright to those customers who do not wish to buy a new motor. That same customer may be converted to an outboard motor enthusiast and later come back for a new one.

The various and assorted older and cheaper motors can be sold on a sale. Properly advertised, such a sale will attract many customers to the store, resulting in increased business in all lines.

Should trade-ins be guaranteed? If the motor is in good condition and is sold at a reasonable profit it would be quite possible to give a store guarantee against mechanical failure for a period of 30 to 90 days.

## RENTAL BUSINESS

The rental of outboard motors is not only a source of income in itself, but will boost the sale of new outboards and accessories. The customer who rents a motor is definitely a prospect for the sale of a new motor. Attracting this type of customer to the store will generally result in increased sales of new motors. You will be surprised at the number of customers who want to buy the motor they rent. The rental business is especially profitable in resort areas, or where the city dweller lives close to fishing waters.

What motors are best for rentals? Eighty per cent of rental stock should be 4 or 5 HP models. To be successful, the shop should have an ample stock of available motors, depending upon anticipated business. Twenty motors seem necessary for a good business in a resort area.

The motors need not be new, but they should be in the best of mechanical condition. Some dealers make up their rental stock from last year's demonstrators, motors that have been loaned, recent models that have been traded in, and new models which serve double duty as demonstrators and profit-building rental units. SHIFT motors should be used as much as possible.



How much should be charged? The rates depend upon the rental prices of local competition, however the following schedule of prices should be successful.

	Per Day	Per Week
4 HP Single	\$2.00	\$10.00
5 HP Twin	3.00	15.00
7 1/2 HP Twin	3.50	17.00

SHIFT model motors should bring in a higher rental than non-shift models.

Properly mixed fuel should be available to the customer. Some successful dealers insist on mixing the fuel and supply each rental customer with a two gallon can of prepared gasoline. Such a plan cuts down a great deal on service necessary to keep the motors operating efficiently.

Advertising rental motors. Rental ads can be run with the dealer's regular newspaper ads. Suitable signs or banners should be used in the dealer's store. If possible, the rack for holding the motors should be placed where it can be seen.

Instructing the customer. Before the customer takes the motor he should be given complete instructions on operating it. Particular attention should be paid to the proper use of the recoil starter because it receives the most abuse in rental service.

As in many other goods and services, too much emphasis cannot be placed on the importance of customer satisfaction. A motor in excellent mechanical condition will help to give that satisfaction.



## STORAGE AND TUNE-UP

Winter storage and tune-up is a positive service for the customer and will mean added business for the serviceman. And this extra business will help to keep the serviceman busy during the off season. All that is necessary is the space for storage and facilities for tune-up work.

Shortly before the close of the boating season, get in touch with all customers advising them of the service available. Your warranty card file will give the names and addresses of your motor owners.

What to charge? Usually there is no stipulated sum to be paid for the storage service, but rather a blanket fee of approximately \$10.00 for storage and a tune-up and adjustment before spring. If, in completing the tune-up work, the serviceman finds that certain repairs are necessary, the owner should be given an estimate of cost and be asked permission to complete such necessary repairs.

The owner may ask for any added repairs, like refinishing, general overhaul, replacement of certain parts, etc.

What should be done? The motor should be checked thoroughly and all adjustments made. A test run in the tank will determine most of the tune-up work necessary. The best way to lubricate the internal working parts is to squirt a liberal quantity of oil into the carburetor air horn while the motor is running, then shut the motor off.

The lower unit grease should be changed and the propeller shaft should be coated with a layer of grease. Put a few drops of oil on all swivels, links and guides in the gearshift control mechanism.

Before releasing the motor to the customer in the spring, clean the plugs and test run the motor on the tank.

## ACCESSORIES

The service shop plays an important part in the sale of accessories. Special items like the remote steering bracket, remote throttle and shift controls and additional remote gasoline tanks require a certain amount of service work in making the installation.

The serviceman who is thoroughly familiar with these installations and knows what advantages the owner will enjoy from them, will have a strong sales story to tell. Given the proper contacts with the owner, he will boost sales of all accessories.

If the dealer is in an area where many owners use outboard runabouts, a good offer to make is complete installation of all desirable accessories for remote control. This includes a steering wheel mounted on the boat, tiller bar on the motor, remote throttle and shift control, and all necessary connections. Such a packaged deal, completely installed, has definite sales appeal.

A complete Accessories Catalog is enclosed in Section I. Familiarize yourself with these items and their proper installation, so that you will be in a better position to sell the potential customer.

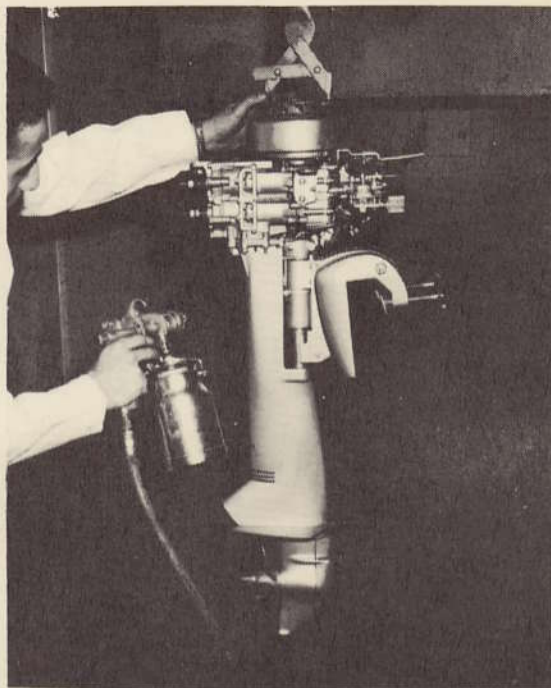


## REFINISHING THE MOTOR

Remember that about 50% of the customer's satisfaction with a repaired motor is because of the appearance of the motor. It is important to the serviceman then, to master the art of refinishing the motor to make it look like new. With a spray gun, an assortment of matched paints with proper thinners, decals, sandpaper, a buffing wheel and a little patience, the serviceman is equipped to refinish the motor from the starter to the propeller.

Before applying any surface finish, make sure that the surface is smooth and clean. Dents in the steel portions of the motor should be cleaned and filled with solder. Serious cracks or dents in die cast parts may necessitate replacement of them.

When using a spray gun with air-dry enamel, thin the enamel with lacquer thinner until suitable for spraying. Spray the entire part to be painted with quick strokes of the sprayer, being careful never to hold the gun on one spot. Properly applied, the finish will be dry and ready for assembly in just a few minutes.



*Spray painting with air-dry*



*Applying name decalcomania*

Old decals can be removed with acetone. The surface should be cleaned with degreasing fluid or alcohol to remove all traces of grease and dirt. First, apply a thin layer of mounting medium and let dry a few minutes. Then wet the decal thoroughly with water and slide it off the paper backing onto the motor. Smooth out with a clean rag and blot off the excess water.

The propeller should be checked for damage, and all irregularities caused by hitting obstructions should be hammered out and filed smooth. The entire propeller should then be buffed on a buffing or polishing wheel.

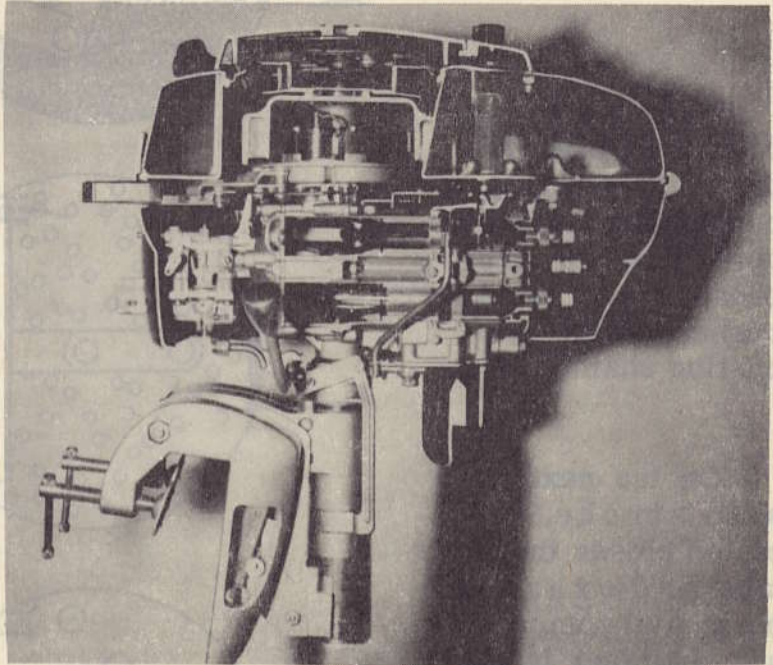


## OUTBOARD THEORY AND PRACTICE

This section is devoted to a brief explanation of the principles involved in Scott-Atwater motor design. It is not meant to be a complete explanation of the theory involved in outboard motors.

The serviceman who knows and understands the principles involved in outboard motors is in a much better position to properly determine the source of any trouble and know how to take care of it.

At the end of this section there is a partial listing of available books on outboard motors. They will give more information on the design of various motors.

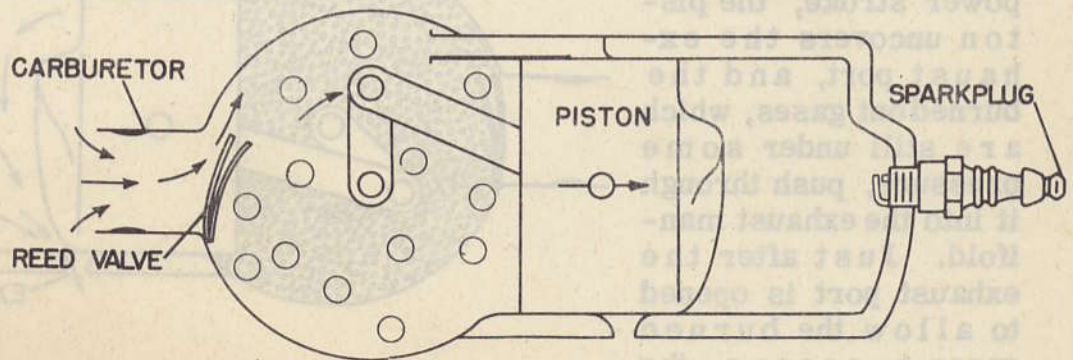


*Cutaway view of model 507*

### The Two Stroke Cycle Engine

The two cycle engine differs from the more common gasoline engines found in automobiles in that it requires only two strokes of the piston for each cycle instead of four. This means that there is a power stroke every revolution of the crankshaft for each cylinder. The four cycle engine requires four strokes, or two revolutions, for each power impulse in the cylinder.

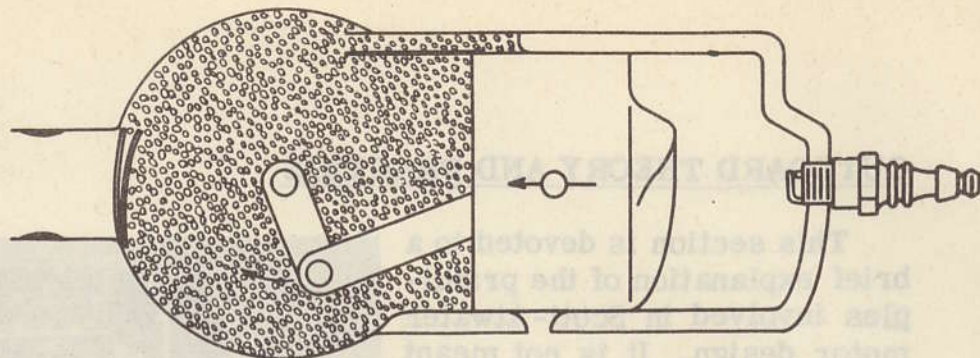
The cycle of events in the Scott-Atwater two cycle engine can best be followed by referring to the diagrams which follow on these pages. Let's assume that there is no gasoline in the cylinders and that the motor is being started. On the outward stroke of the piston, the movement of the piston creates a partial vacuum in the crankcase.



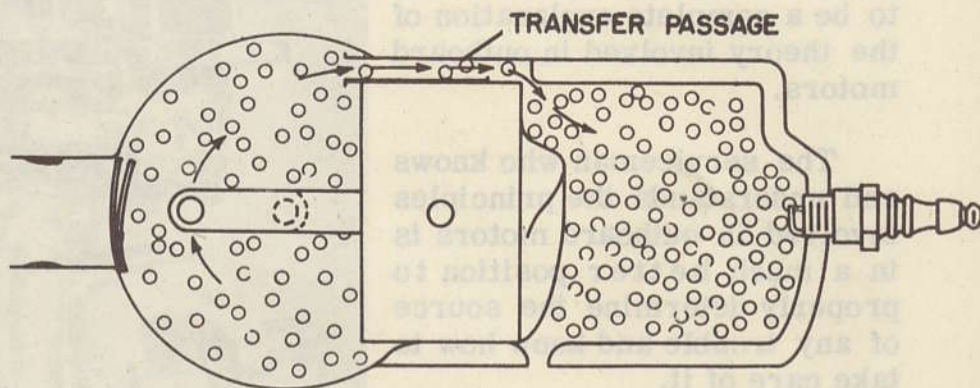
This vacuum opens the reed valve and fuel vapor is drawn into the crankcase.



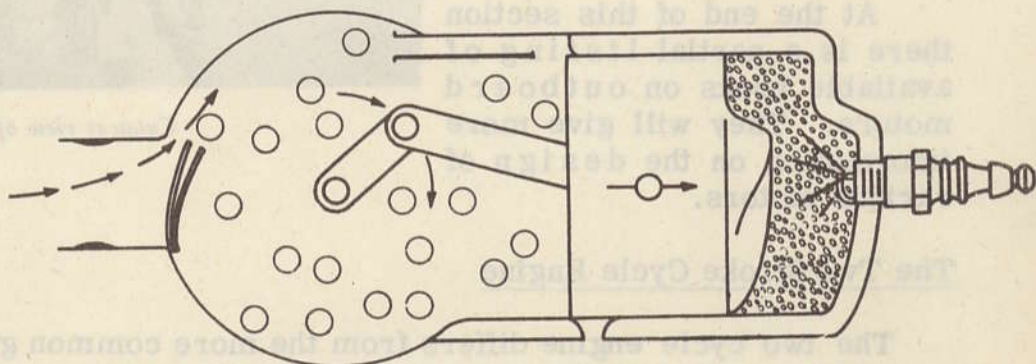
When the piston moves back toward the crankcase, the reed valve closes and the mixture is compressed.



Near the bottom of the stroke, the top of the piston uncovers the transfer port, and the compressed fuel vapor rushes into the combustion chamber.

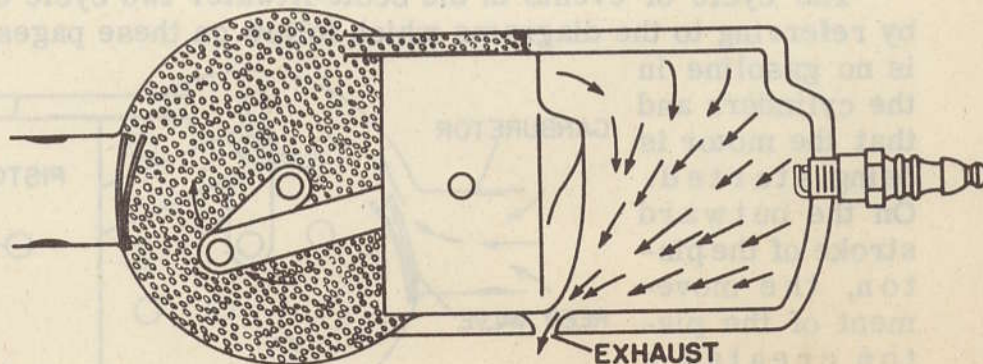


On the next upward stroke, the piston closes the intake and exhaust ports and compresses that fuel in the combustion chamber. At the same time, a new charge of fuel is being introduced into the crankcase from the carburetor.



When the piston is near the end of the outward stroke, the spark ignites the fuel vapor, and the combustion pressure forces the piston inward on its power stroke. The inward motion of the piston again compresses the new charge of fuel in the crankcase.

Near the end of this power stroke, the piston uncovers the exhaust port, and the burned out gases, which are still under some pressure, push through it into the exhaust manifold. Just after the exhaust port is opened to allow the burned gases to escape, the intake port is opened, allowing the fresh mixture in the crankcase to flow into the combustion chamber. The deflector on the top of the piston is so designed that the incoming charge will be deflected upward and will help to push out the last of the exhaust gas.





This cycle of events occurs each revolution of the crankshaft. On the outward stroke, the gas in the combustion chamber is compressed while the new charge is being drawn into the crankcase. Near the top of the stroke the mixture is ignited. On the inward stroke the combustion pressure forces the piston inward giving power to the crankshaft while the new charge is being compressed in the crankcase. Near the bottom of the stroke the burned gases escape and the new charge is admitted.

Oil is mixed with the gasoline in order that the internal working parts of the motor receive proper lubrication. The oil and gasoline mixture enters the crankcase in the vapor state, lubricating all parts with which it comes in contact.



## CARBURETOR

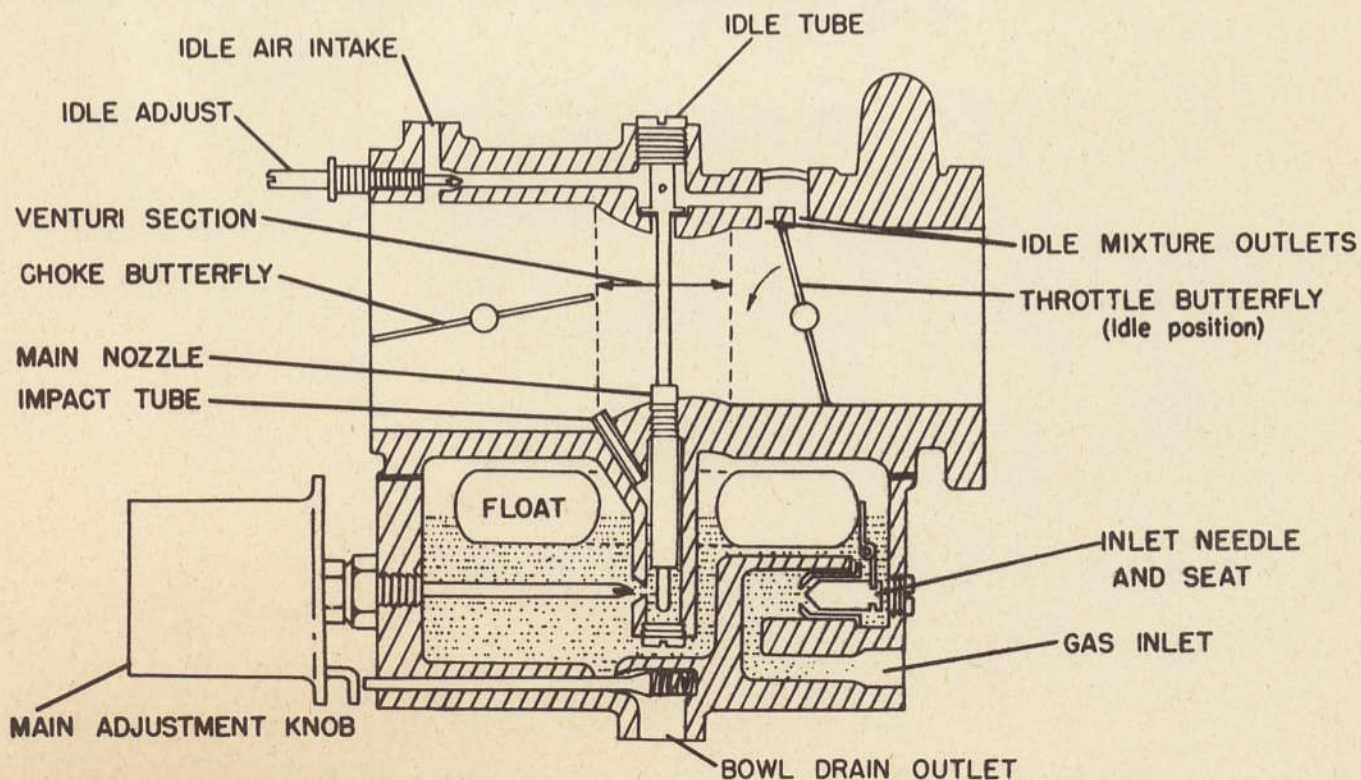
The function of the carburetor is to supply the motor a metered amount of combustible fuel-air mixture depending upon speed and load requirements. The following description of the Tillotson M-D series carburetor will give the fundamental theory of carburetion in all Scott-Atwater motors.

When the piston is on the compression stroke, a partial vacuum is created in the crankcase. The stream of air rushing through the carburetor and into the crankcase carries the fuel into the motor. This stream of air through the carburetor must pass a restriction in the carburetor air horn called a Venturi.

In the Venturi section the air has a greater velocity and consequently the pressure is lower than the atmospheric pressure in the fuel bowl. Because the main nozzle is in this high velocity, low pressure area, the fuel is forced up into the air stream by the higher atmospheric pressure in the fuel bowl. The high velocity air breaks it up into a fine mist which vaporizes and burns readily.

Fuel from the tank runs into the carburetor, through the inlet orifice and into the fuel bowl. As the fuel level rises, the brass float in the fuel bowl moves up until it shuts off the inlet needle. Any fuel drawn off allows the float to fall, opening the inlet and allowing more fuel to run in. In this way the level in the fuel bowl is kept constant.

To obtain correct proportioning of gasoline and air over a wide range of operating conditions requires a rather complex system of carburetion. The Tillotson carburetor on all Scott-Atwater motors provides two systems for mixing the gas - one for low speed range and the other for high speed.



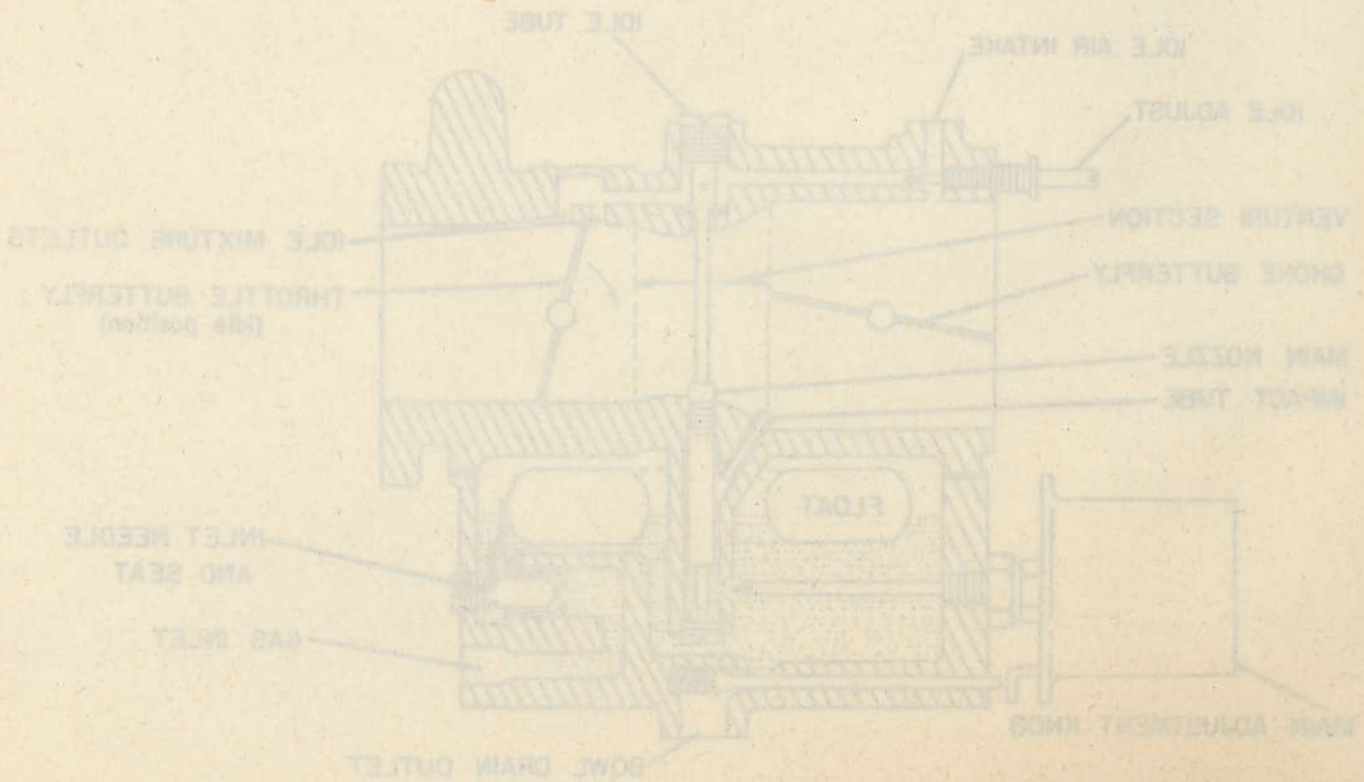
TILLOTSON M-D CARBURETOR  
(CONCENTRIC BOWL)



Idle and Slow Speed operation with the throttle butterfly closed (or nearly closed) causes a high vacuum at the butterfly. This vacuum draws gasoline up through the idle tube into the engine. The idle adjustment screw regulates the amount of air that is allowed to mix with this incoming fuel from the idle tube. Further mixing with air occurs in the carburetor neck, depending upon how tightly the throttle butterfly is closed.

Full Power and High Speed operation with the throttle butterfly open reduces the vacuum at the butterfly and consequently reduces the amount of fuel drawn through the idle mixture outlets. The air flow through the Venturi is then greater, drawing fuel from the main nozzle. The main adjustment screw regulates the amount of fuel that will flow from the carburetor bowl to the main nozzle channel. As the speed and load increases, air is automatically bled into the main nozzle channel through the impact tube, which causes a proper proportion of fuel in relation to the mixture to be metered at that speed range.

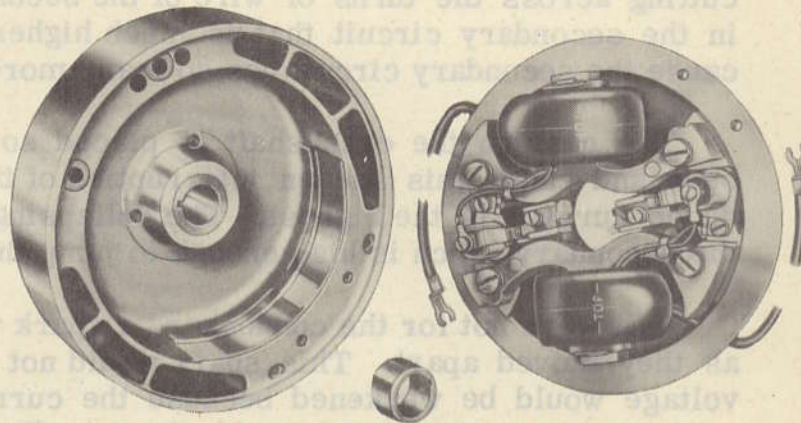
The choke butterfly is used to restrict the stream of air through the carburetor, thereby increasing the vacuum at the main nozzle. This will insure a rich mixture when starting a cold motor.





## MAGNETO PRINCIPLES

The function of the magneto is to produce an electrical current and supply it to the spark plugs, such that at the right moment the discharge across the plug gap will fire the combustible mixture in the cylinder. All magnetos used in outboards are essentially the same in principle. They consist of a revolving magnet, the magnetic field of which induces an electrical current.



Wico magneto used on twin cylinder models

In figure M-1, when the revolving magnet is in this position, the magnetic field leaving the N pole of the magnet follows the path indicated by the arrows. The reason for the magnetic field traveling in the iron core is that the iron offers about 1/1500 the resistance as compared to air.

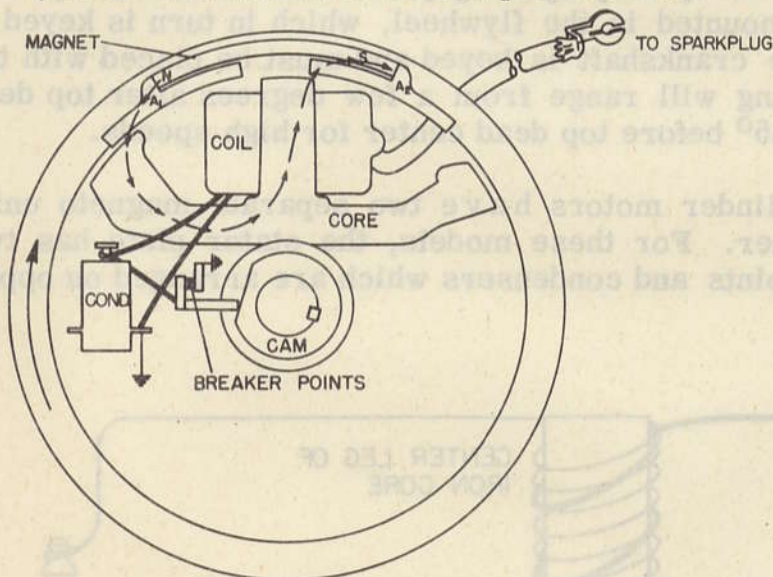


Fig. M-1

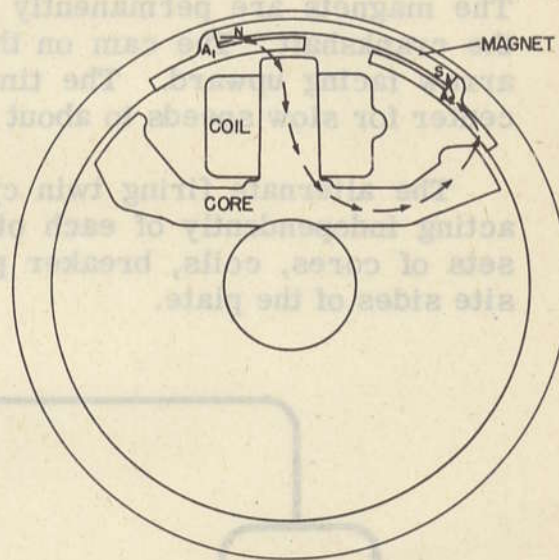


Fig. M-2

As the flywheel is rotated, the magnet will come to the position where the field leaving the N pole will enter the center leg, as in figure M-2, instead of the one at the left. At this point, the magnetic field in the center leg will change direction. Since the induced current in the coil is dependent upon the abruptness of this change of direction in the magnetic force in the center leg, the current will then be the highest. The two pole shoes A1 and A2 are so designed that the change in magnitude and direction of the magnetic force will occur as rapidly as possible.

Figure M-3 shows the electrical circuits of the magneto. The primary circuit of the coil consists of a few turns of heavy wire grounded on one end and connected to the breaker points on the other. The secondary circuit of the coil has many turns of fine wire wrapped around the primary coil. One end of this circuit is grounded, the other connected to the plug.



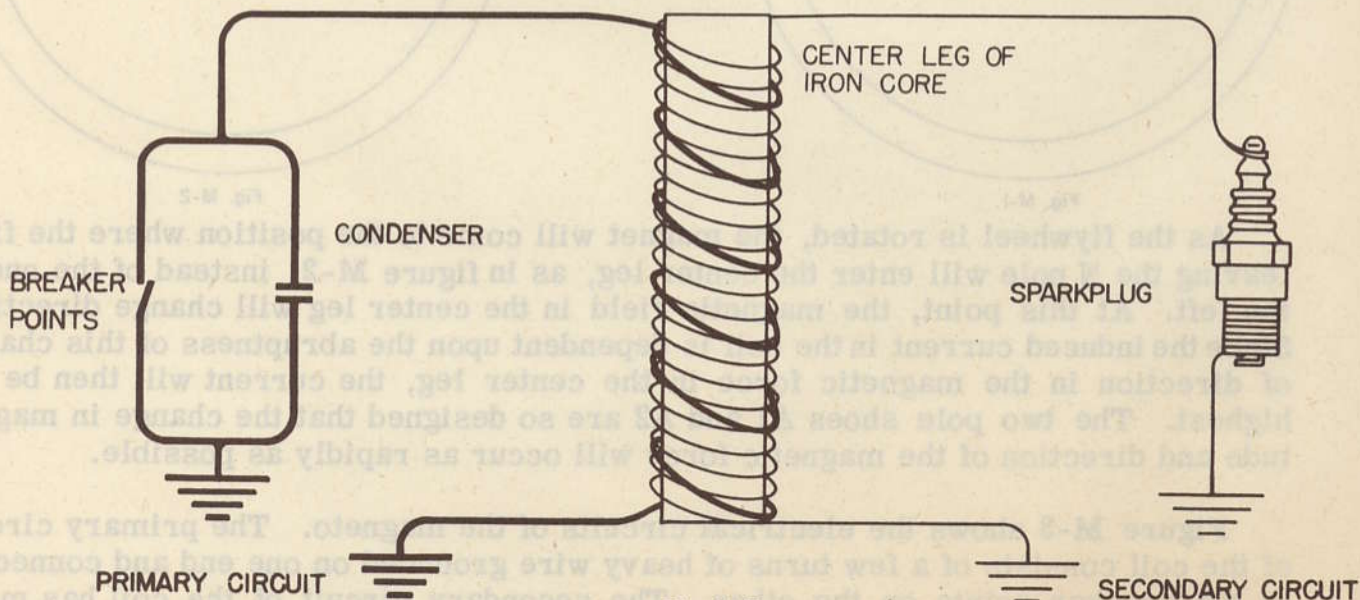
When an induced current flowing through the primary circuit is suddenly interrupted, the lines of magnetic force, produced by the current, collapse abruptly, cutting across the turns of wire of the secondary circuit. This induces a voltage in the secondary circuit that is much higher than the voltage in the primary, because the secondary circuit has so many more turns of wire.

The cam on the crankshaft is placed so that it will force the breaker points open and cause this sudden interruption of the primary current just when this induced current is the highest. The collapsing magnetic field produces a voltage in the secondary which is high enough to jump the gap in the spark plug.

If it were not for the condenser, a spark would jump across the breaker points as they moved apart. This spark would not only pit the points, but the secondary voltage would be weakened because the current in the primary would die down gradually instead of being suddenly cut off. The condenser in parallel with the points serves to store up the electrical energy that tends to arc across the points just as they are opening.

The timing of the spark can be varied only by moving the stator plate on which the coils and points are mounted, or by varying the gap between the breaker points. The magnets are permanently mounted in the flywheel, which in turn is keyed to the crankshaft. The cam on the crankshaft is keyed and must be placed with the arrow facing upward. The timing will range from a few degrees after top dead center for slow speeds to about  $45^{\circ}$  before top dead center for high speeds.

The alternate firing twin cylinder motors have two separate magneto units acting independently of each other. For these models, the stator plate has two sets of cores, coils, breaker points and condensers which are arranged on opposite sides of the plate.





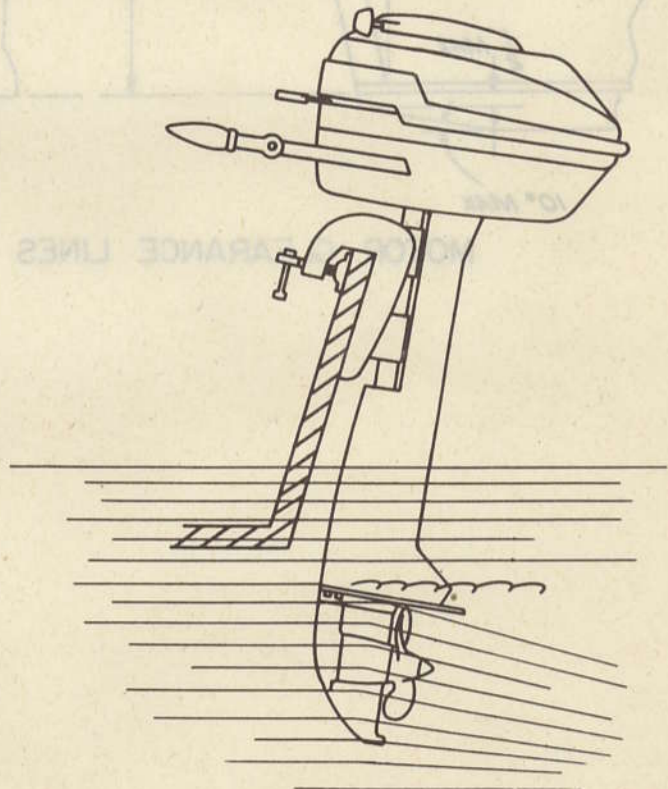
## THE EFFECT OF BOAT DESIGN

Present day trends seem to be for more speed, not only in racing, but even in the family boat and motor. Considerable emphasis is placed on getting more power out of the engine without concerning oneself with the boat design. A few hints on boats may help secure more speed out of the combination.

Weight distribution is the easiest to alter and will often give surprising results. One person sitting in the back of the boat beside the motor will give an undesirable concentration of weight in the rear. By moving as much weight as possible forward, the boat will be able to level off and attain much more speed. At full speed the boat should ride very nearly level on the surface.

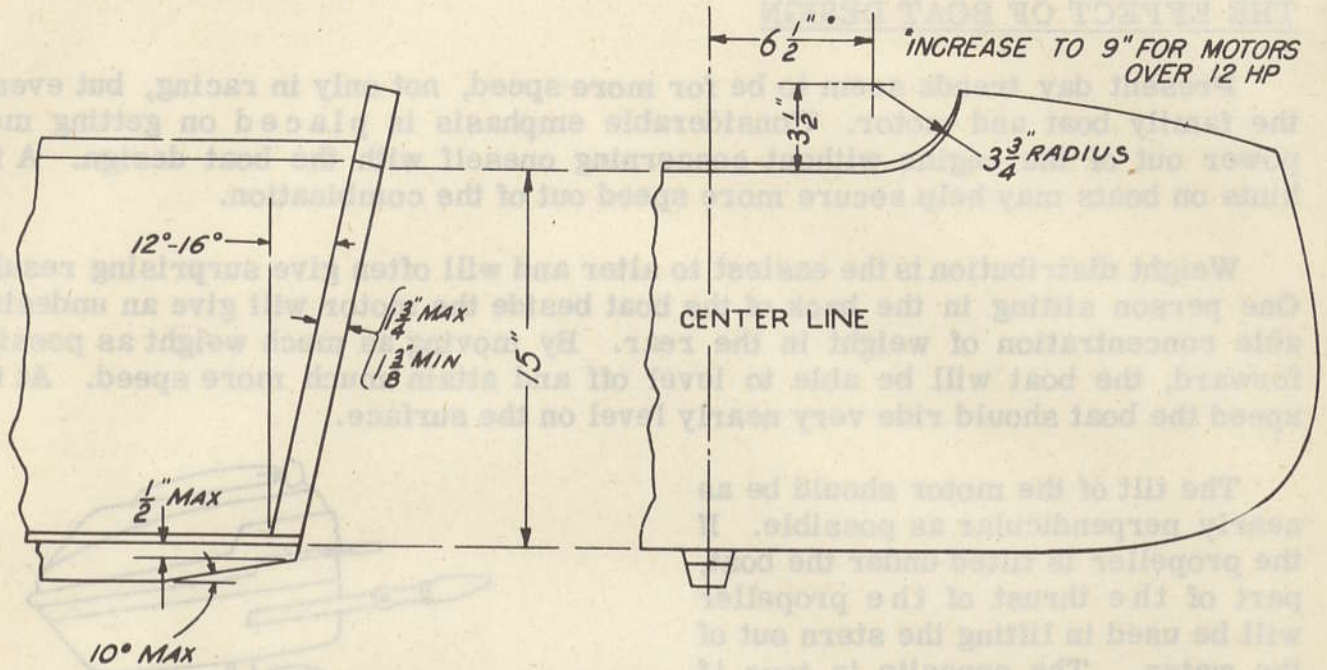
The tilt of the motor should be as nearly perpendicular as possible. If the propeller is tilted under the boat, part of the thrust of the propeller will be used in lifting the stern out of the water. The opposite is true if the motor is tilted the other way. With the tilt set vertically, the entire thrust of the propeller is used to push the boat forward. Incorrect tilt also has the effect of increasing the lower unit resistance by causing the water to impinge upon the cavitation plate at an angle, resulting in either lifting the stern of the boat or dragging it down.

The bottom of the boat should be smooth and free of bulges. The keel should be beveled off as shown on the next page. This will do much to insure a smooth flow of water to the propeller and help prevent cavitation. The motor is designed to operate most efficiently on a 15" transom. Setting the motor deeper will only increase the resistance, and pulling it out of the water will cause more cavitation.



*Effect of incorrect tilt*





MOTOR CLEARANCE LINES FOR BOAT TRANSOM

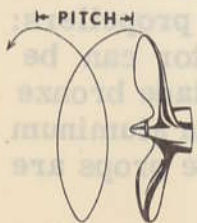
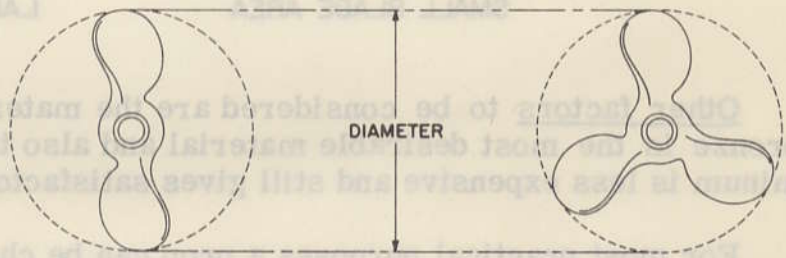


## PROPELLER CHOICE

All Scott-Atwater motors are equipped with a propeller that will give good performance on the average sort of boat on which the motor will be used. Exceptionally different applications of a motor, such as on very light, fast, planing hulls, or on large, heavy displacement, slow-moving boats may call for the use of a different prop.

The problem of choosing a propeller for a particular application resolves itself into simply keeping the engine operating at normal speed. For example, with a standard propeller the 7 1/2 HP motor on a very light, fast hull will turn over too fast for efficient operation and will therefore need a propeller that will load the motor more. Conversely, using the same motor on a large, slow-moving boat will result in less than normal RPM. In order for a motor to develop the full rated horsepower, it must be turning at the rated speed at full throttle. Excessive speed will result in shorter life, more vibration, overheating and inefficient operation. In choosing a new propeller, one must consider many factors. The following explanation will help to make a wise choice.

The diameter of the prop is the distance across the center of the circle made by the revolving tips of the propeller blades. In general, the diameter of the prop is kept down as small as possible in order to limit weight and bulk. However, if the diameter is too small, the column of water acted upon will be so small that excessive slippage will result. If the diameter is too large, the velocity of the blade tips will be high, resulting in inefficient performance.



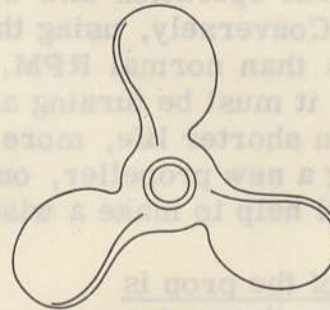
The pitch of the propeller refers to the number of inches that the propeller would move forward if turned one complete revolution through an imaginary kind of "solid" water, in which the prop couldn't slip. Fast boats require a prop with greater pitch so that the blades will bite into more water each revolution and keep the motor speed down. On a very slow, heavy craft, the pitch must be made lower so the propeller takes a smaller bite, allowing the motor to run at normal speed



The blade width is also a factor to consider in propeller choice. The blades should be wide enough to act efficiently on the column of water determined by the diameter of the prop. If the blades are too wide, then one blade is acting on the water already set in motion by the other, resulting in lower efficiency. If the blades are too narrow, they will act on only a small portion of the column of water and the efficiency will be lower. The speed of rotation and the rate of progress through the water have to be considered in determining the efficiency of the propeller blades.



SMALL BLADE AREA



LARGE BLADE AREA

Other factors to be considered are the material used and the cost. Hi-tensile bronze is the most desirable material and also the most expensive. Die cast aluminum is less expensive and still gives satisfactory service.

For most practical purposes a prop can be chosen by its diameter and pitch. A prop designated as 7 1/2" x 8" means that it has a diameter of 7 1/2" and a pitch of 8". Theoretically, a propeller with a 8" pitch should push the boat forward 8" each time it turns. Due to slippage, the boat may go only 6" for each turn. On most boats, the slippage is somewhere between 10 and 40 per cent.

If (using our previous example) a 7 1/2 HP motor with the standard 8" x 7 1/2" prop is put on a light, fast hull, the motor will turn up too fast. This excessive RPM can be limited by increasing the pitch with either of the following propellers: SA-1, 8" x 9", or AJ8, 7 3/4" x 8". On a heavy, slow boat the motor can be brought up to normal speed by using the AM210, 7 1/2" x 8" three-blade bronze propeller. For gearshift 7 1/2 HP models, use the 50-341, which is an aluminum propeller similar to the AM210 but with a slip clutch. All of the above props are listed in the Scott-Atwater Accessory Catalog.

Generally speaking, increasing the diameter will decrease the RPM and will decrease slip; increasing the pitch will decrease the RPM and will increase the slip; and increasing the blade area will decrease the RPM and the slip.



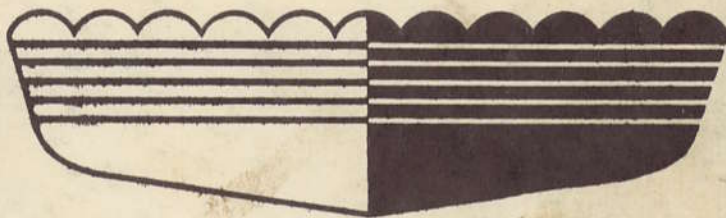
## REFERENCES:

1. "How To Get The Most Out Of An Outboard"  
Scott-Atwater Mfg. Company, Inc.  
Minneapolis, Minnesota
2. "Outboard Motor and Boat Book"  
by Robert J. Whittier  
Voyager Press - Concord, Massachusetts
3. "Handbook of Outboard Motor-Boating"  
Henry and Allard  
McGraw Hill Book Company, Inc.  
New York, New York
4. "The Construction, Care, Operation and Maintenance  
of Marine Engines"  
Motor Boating  
572 Madison Avenue  
New York 22, New York





***Scott-Atwater***  
O U T B O A R D M O T O R S



**SERVICE  
MANUAL**



# SCOTT-ATWATER SERVICE MANUAL

## CONTENTS

	Page
<b>FORWARD SECTION</b>	
Index	
How Motors are Designated	
Post Cards	
<b>LINE DRAWING SECTION</b>	
Motor and Boat Terminology	
Line Drawings of all Models	
<b>GENERAL INFORMATION - Section A</b>	
Initial Demonstration	1
Trade-Ins	10
Rentals	11
Storage and Tune-up	13
Accessories	13
Refinishing the Motor	14
Outboard Theory and Practice	15
<b>ADJUSTMENTS AND TUNE-UP - Section B</b>	
Carburetor	1
Synchronization Chart	1
Limiter-Rod	3
Synchronization 10 & 16 HP	5
Synchronization 30 & 33 HP	5A
Flat Rate Labor	6
Trouble Shooting	P1-P2
Gasket Sets	Begin P3
<b>SKIRTS, TANK AND STARTER - Section C</b>	
Skirts	1
Gas Tank	2
Starters	3
16 H. P. Carrying and Steering Handle	7
'55 & '56 Spring Mount	8D
Stowaway Gas Tank	9
Parts Lists - All Models	Begin P1
<b>CARBURETION, FUEL PUMP - Section D</b>	
Carburetor	1
Reed Valves	3A
Fuel Pumps - '54	6
Fuel Pumps - '55 & '56	6A
Parts Lists - All Models	Begin P1
<b>IGNITION - Section E</b>	
Magneto	1
Plugs	4
Parts Lists - All Models	Begin P1



CONTENTS - continued

	Page
<b>POWERHEAD - Section F</b>	
General Information	1
3.6 and 4 HP Single Cylinder	2
5 HP Twin Cylinder	4
7 1/2 HP Twin Cylinder	6
10 HP Twin Cylinder	8
16 HP Twin Cylinder	12
30 & 33 HP Twin Cylinder	16
Parts Lists - All Models	Begin P1
<b>LOWER UNIT, PUMP AND PROPELLER - Section G</b>	
1946-47-48 Lower Unit	1
Shift Model Lower Unit	2
10 HP Shift Lower Unit	6A
16 HP Shift Lower Unit	6C
Adaptation of Salt Water Flushing Plug	6I
1954 Lower Unit 5-7 1/2-10 HP	6K
1954 Lower Unit 16HP	6M
1955 Lower Unit 30 & 33 HP	6P
Water Pump	7
Propellers	10
Parts Lists - All Models	Begin P1
<b>POWERHEAD SUPPORT - Section H</b>	
Pivot Tube	1
Water Line	1
Tilt Adjustment	2
Shift Lever	2
Removing Shift Limiters	3
1949 Shift Conversion	4
Bail-A-Matic Models - '54	6
Bail-A-Matic Models - '55, '56	7B
Extended Shaft - '54	8
Extended Shaft - '55, '56	8A
Parts Lists - All Models	Begin P1
<b>ACCESSORIES AND TOOLS - Section I</b>	
Accessory Catalog	
Application of Major Scott-Atwater Accessories	
Remote Throttle and Shift Control Kit Parts	
Dealers' Tool Kit	
Special Tools	
Mounting Data for Motor Installation	
<b>OUTBOARD MOTOR SPECIFICATIONS - Section J</b>	
<b>PARTS PRICE LISTS - Section K</b>	
Master Numerical Parts Price List	
Dealers' Standard Parts Stock	



VOLUME I  
SCOTT-ATWATER SERVICE MANUAL  
FOURTH EDITION

Repairing Scott-Atwater motors is not difficult. But to help Scott-Atwater dealers give the best possible repair service in the easiest, quickest way, we have pooled our servicing experience at the factory and are passing it along to you in the Scott-Atwater Service Manual. This volume contains data on all models 1946 through 1956

This manual, besides being a help in repair work, is a valuable sales tool. Keep it handy. Become thoroughly familiar with it, and you will always have simple, complete answers to the questions of customers and prospects.

Just a glance down the index tabs shows how complete it is - from actual repair all the way down through two - cycle theory. Yet we want to improve upon it, and that is where you come in. This book is for you, and we want it to answer all your questions. If you have a service problem that we have not explained, or if you have service information that should be included, please let us know and we will make whatever revisions are needed. All our efforts in the preparation and maintenance of this manual will be well-spent if it helps make your Scott-Atwater dealership a more profitable one.

SCOTT-ATWATER MFG. CO., INC.  
2901 EAST HENNEPIN  
MINNEAPOLIS 13, MINNESOTA



## HOW MOTORS ARE DESIGNATED

The very simple system of model numbers used on Scott-Atwater outboard motors is used throughout this manual. These numbers tell the horsepower of a motor and the year in which it was built. The first two digits of the model number give the year of manufacture. For instance: a 473 is a 1947 motor, a 501 is a 1950 motor. The third number designates the size of the motor according to the table below.

	6 - 30 HP Twin
0 - Standard Single	7 - 5 HP Twin
1 - Deluxe Single	8 - 10 HP Twin
3 - 7.5 HP Twin	9 - 16 HP Twin

At a glance, then, you can tell that a 497 is a 5 HP twin made in 1949, a 470 is a standard single made in 1947. The only exceptions are the '46 models, which are designated 461 and 467 for the standard and deluxe single.

The four digit model number system originated in 1952. The principle of this system is similar to that of the three number, with exception of the numerical sequence. (Example 3325). The first number (3) will be ever constant, as it is the designator of Scott-Atwater. The second number (3) designates the motor size. The above chart shows (3) to be 7 1/2 HP Twin. The final two numbers (25), when reversed, apply to the year of manufacture, 1952. Thus 3325 is a 7 1/2 HP twin made in 1952. A 3745 is a 5 HP twin made in 1954.

When referring to a motor, always use the model number found on the serial number plate. A motor with serial number 483-334169 is a model 483 motor made in 1948 and is a 7.5 HP motor. When ordering parts, always give the serial number of the motor together with the part number and part name. Order all parts from your distributor.

Parts pages are in order of year of manufacture and horsepower size in this order: 461, 467, 470, 471, 473, 480, 481, 483, 491, 497, 493, 500, 501, 507, 503, 508, 509, etc.

The Horsepower is the certified horsepower at the rated RPM. The Outboard Boating Club of America rates all Scott-Atwater motors, using the approved Society of Automotive Engineers method of measuring brake horsepower.

The Speed Designation, such as 1-20, means that the motor has a trolling speed of 1 MPH or less and a top speed of 20 MPH or more. Speeds of the Scott-Atwater, 3.6 HP model are 1-12 MPH; the 4 HP, 1-14; 5 HP, 1-16; 7.5 HP, 1-20; 10 HP, 1-25; and the 16 HP, 1-30. These speeds vary, of course, depending on boat design, weight, load, wind and waves, currents, tides and similar conditions.



## REVISIONS AND ADDITIONS TO THE SERVICE MANUAL

We know that you want only the most up-to-date, correct information in your Scott-Atwater Service Manual. Periodically, additions, corrections and revisions will be sent to you - automatically and at no charge. Some of them will be digests of regular service notes that you will also receive from time to time. It will be necessary to insert only the regular manual sheets in this book, not service notes. Present plans call for four manual sheet mailings each year.

Manual sheets sent out will include instructions for insertion. If a page is to replace an existing page, it will be so marked. Additional pages will be numbered consecutively. Each section is numbered separately and in each section with a parts list, the parts division is also numbered separately. For example, the second page in Section D is marked - "Sect. D-2"; and the second page of the parts list in that section is numbered - "Sect. D-P2."

We have enclosed three post cards with this manual for your convenience.

1. A mailing list card. (Please send us this card right away. Our Service Manual mailing list is made from these cards only, and no revisions or additions can be sent unless we have your name on file.)
2. A change of address card.
3. A card for ordering the sturdy 3-prong Service Manual binder.



VOLUME I COMPLETE

Leave Blank

Please include me on your mailing list for service information.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

Are you a Scott-Atwater dealer? Yes  No   
Do you maintain complete service facilities, including parts and test tank? Yes  No

Date \_\_\_\_\_  
Mo. Day Year

VOLUME I COMPLETE

Leave Blank

Notice of Change of Address:

New address.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

Old address

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

Date \_\_\_\_\_  
Mo. Day Year

VOLUME I COMPLETE

Leave Blank

- Please send me the sturdy 3-prong Scott-Atwater binder for my Service Manual. I agree to pay the postman \$3.75 C.O.D. charges plus a few cents postage.
- Please send me the all steel Service Manual holder. I agree to pay the postman \$9.50 C.O.D. charges plus a few cents postage.

Name \_\_\_\_\_  
Address \_\_\_\_\_  
City, State \_\_\_\_\_

Please mail in this card to register your Service Manual

If you move or wish mailings to be sent to a different address, mail this card.

Use this card to order the sturdy 3-prong Scott-Atwater binder or the all steel Service Manual holder.

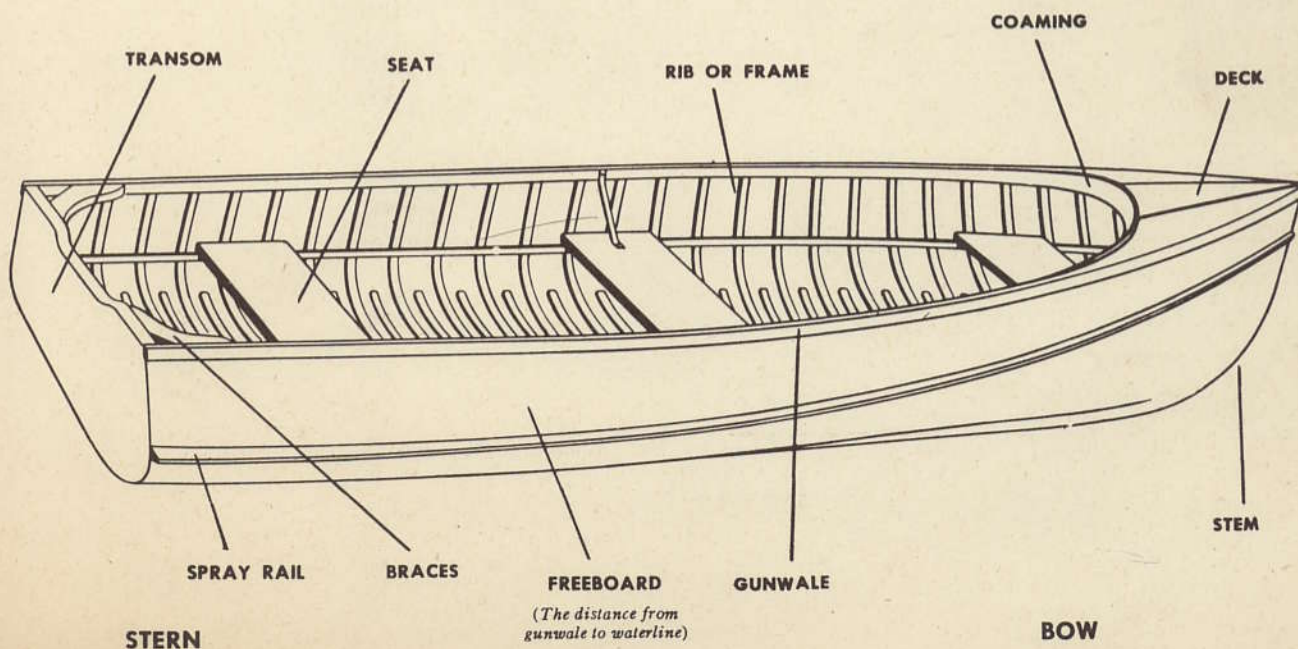
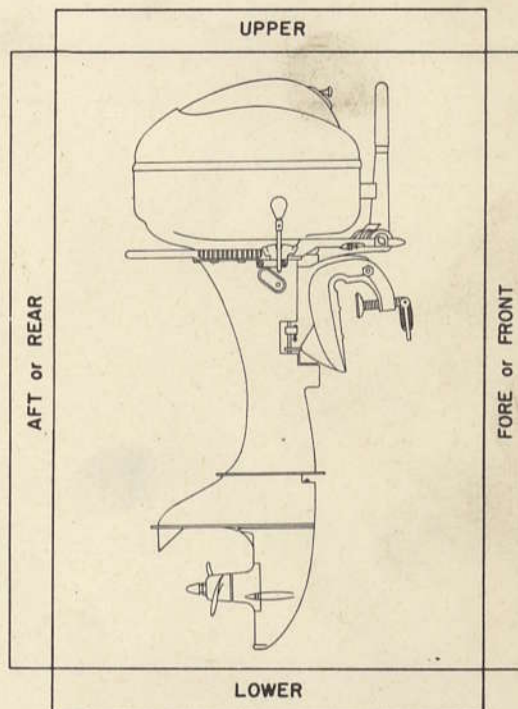
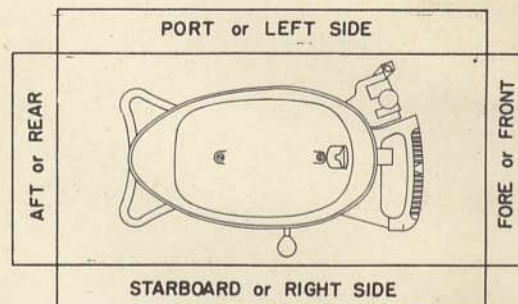


## OUTBOARD MOTOR AND BOAT TERMINOLOGY

The terminology used in the illustrations on this page will be used throughout the service manual. Acquaint yourself now with these terms in order that there will be no cause for confusion later when studying the explanations that will be given.

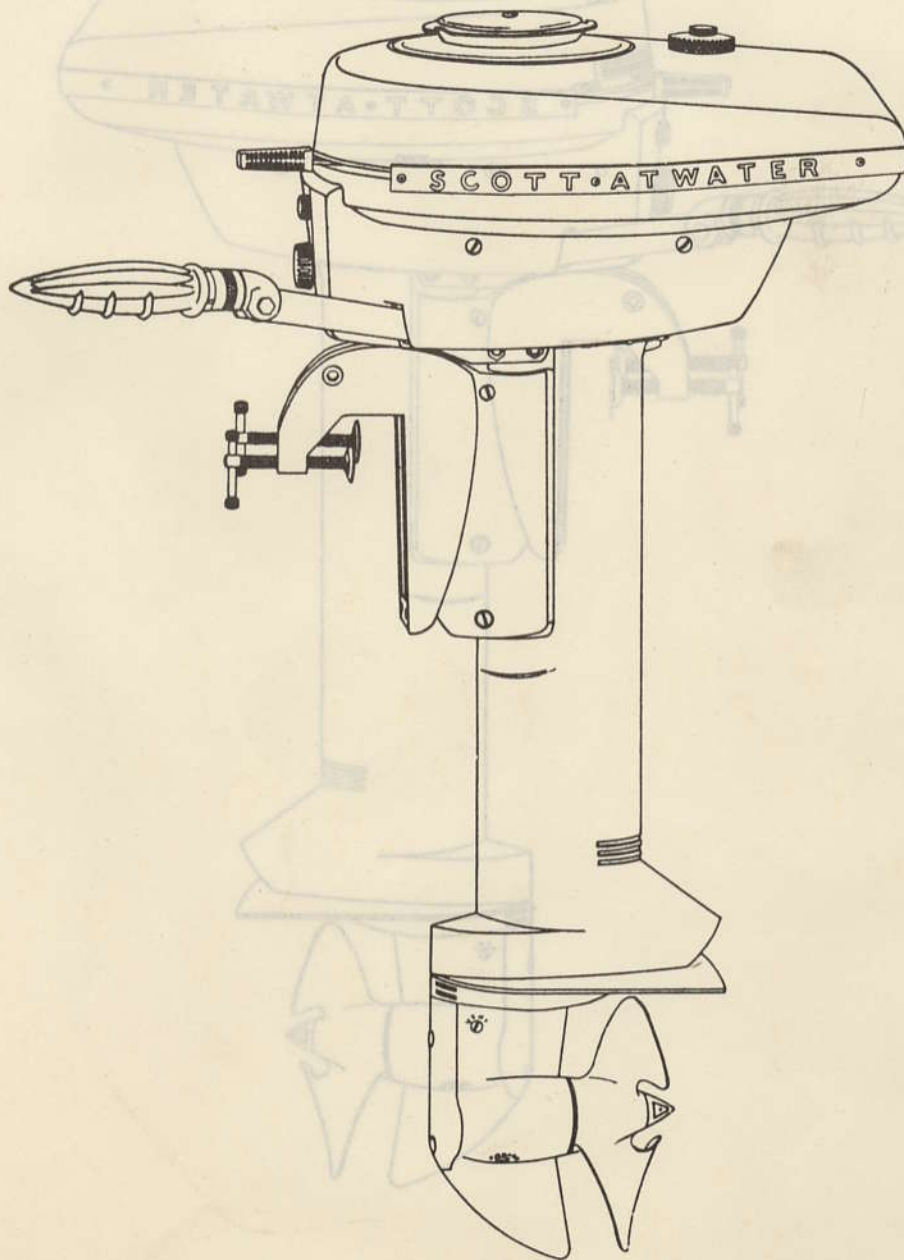
The Outboard Boating Club of America has adopted this code of motor and boat nomenclature in the hope that it will become standard usage.

Pay particular attention to the correct designation of the right and left side of the motor. These directions are given when facing forward.





SCOTT-ATWATER  
**SCOTT-ATWATER**  
 Model 461  
**STANDARD SINGLE**



**MECHANICAL SPECIFICATIONS**

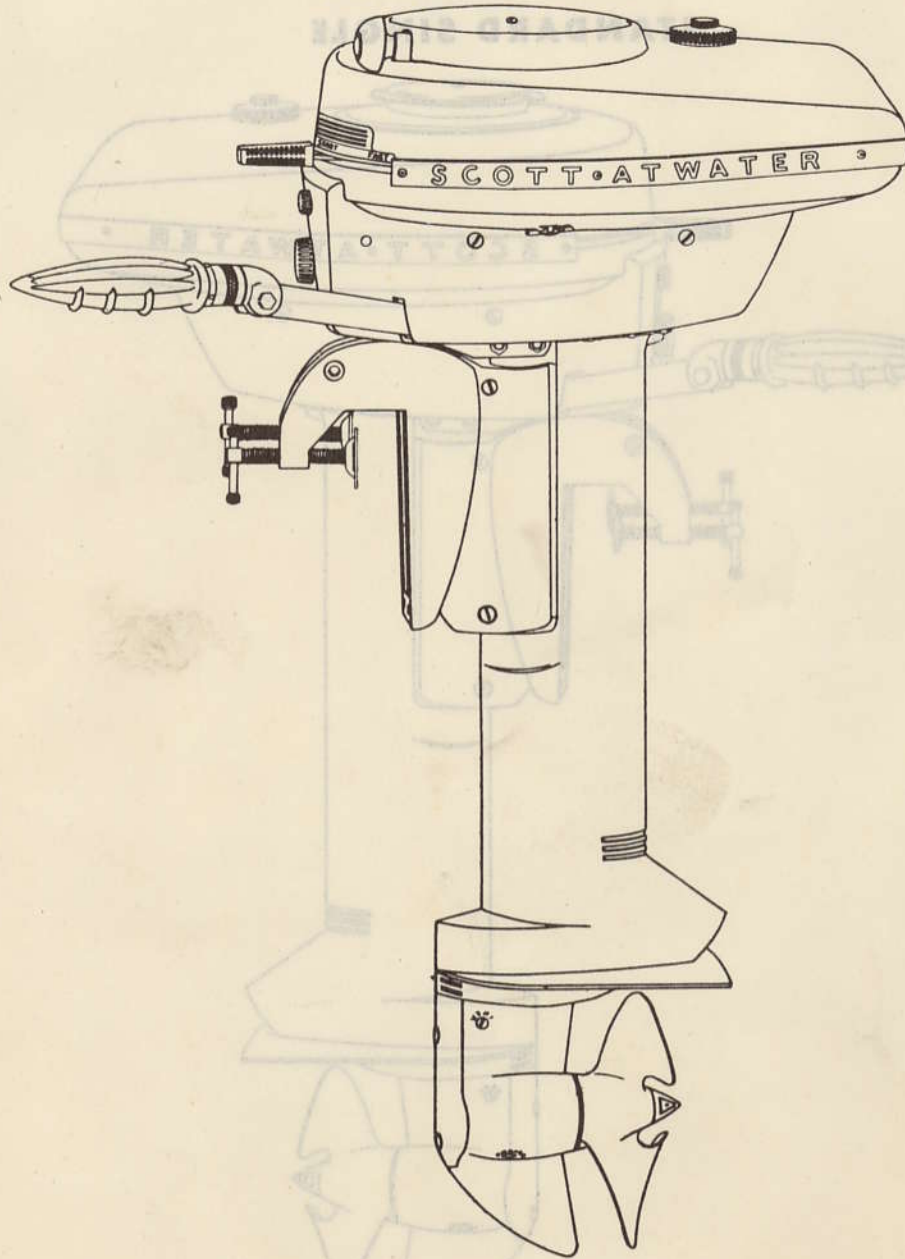
<u>Horsepower</u> 3.5 O. B. C. Certified Horsepower @ 4000 RPM	<u>Number of Cylinders</u> One	<u>Bore and Stroke</u> $2\frac{1}{8} \times 1\frac{3}{4}$	<u>Piston Displacement</u> 6.23 Cu. In.	<u>Propeller</u> 2 Blade $7\frac{1}{2} \times 6$	<u>Fuel Tank Capacity</u> 8 Pints	<u>Gear Ratio</u> 13-21	<u>Ignition</u> High Tension Magneto	<u>Carburetion</u> Float Feed, High and Low Spec. Adjustment
--	---------------------------------------	--	--	--	--	--------------------------------	---	--



# SCOTT-ATWATER

Model 467

DELUXE SINGLE



## MECHANICAL SPECIFICATIONS

<u>Horsepower</u>	<u>Number of Cylinders</u>	<u>Bore and Stroke</u>	<u>Piston Displacement</u>	<u>Propeller</u>	<u>Fuel Tank Capacity</u>	<u>Gear Ratio</u>	<u>Ignition</u>	<u>Carburetion</u>
3.5 O. B. C. Certified Horsepower	One	2 1/8 x 1 1/4	6.23 Cu. In.	2 Blade 7 1/2 x 6	8 Pints	13-21	High Tension Magneto	Float Feed, High and Low Speed Adjustment



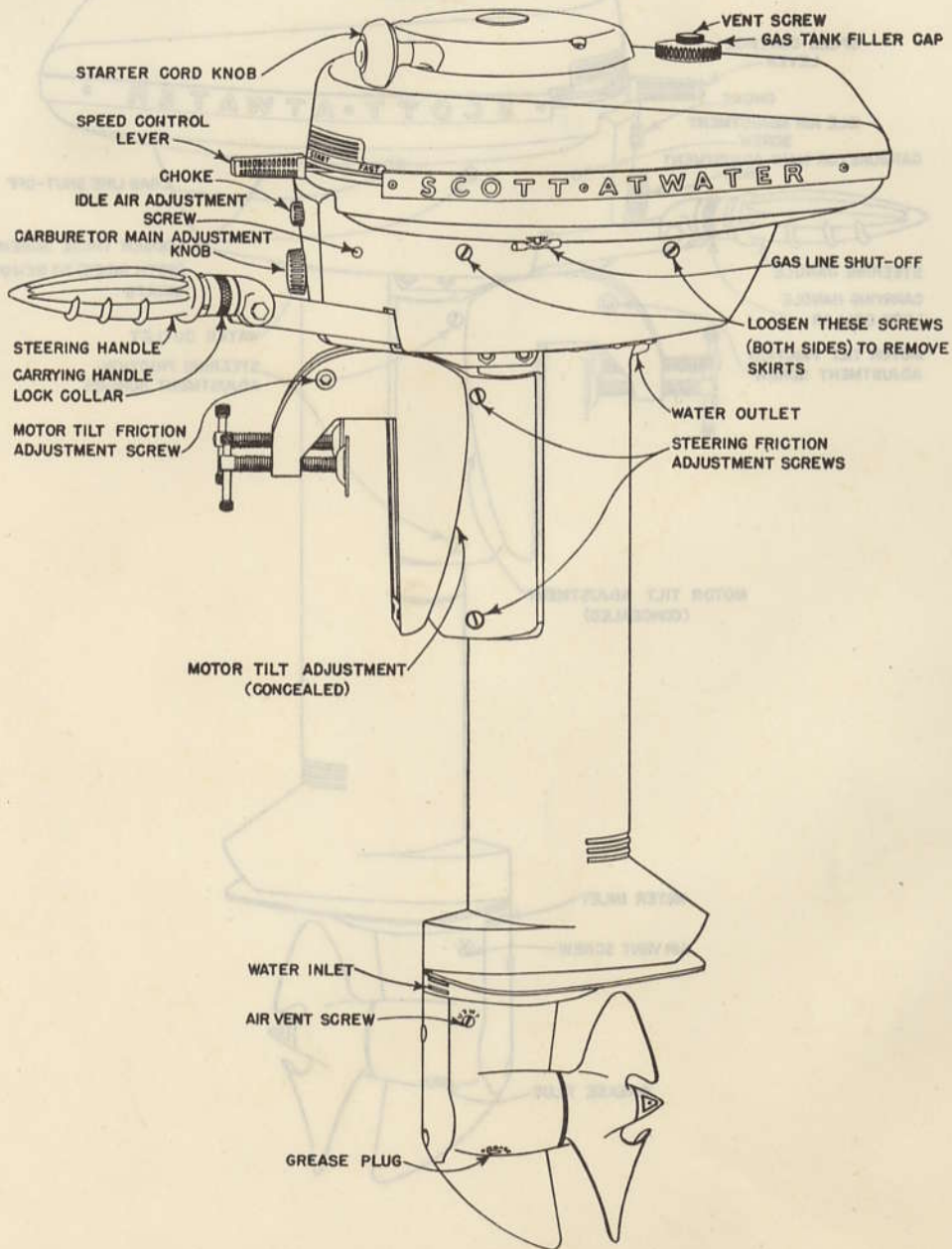




# SCOTT-ATWATER

## Model 471

### DELUXE SINGLE



#### MECHANICAL SPECIFICATIONS

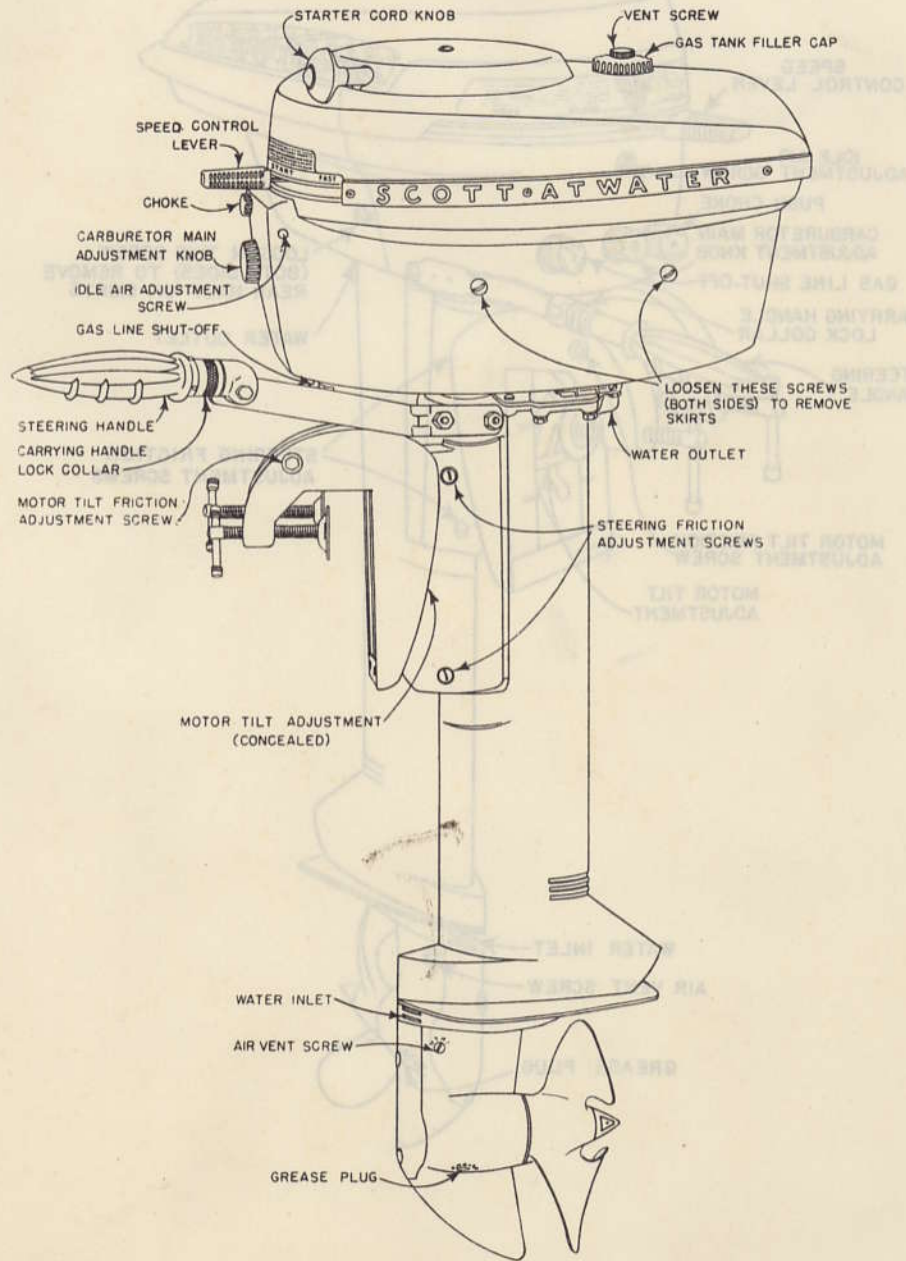
<u>Horsepower</u> 3.5 O.B.C. Certified Horsepower	<u>Number of Cylinders</u> One	<u>Bore and Stroke</u> 2 1/8 x 1 3/4	<u>Piston Displacement</u> 6.23 Cu. In.	<u>Propeller</u> 2 Blade 7 1/2 x 6	<u>Fuel Tank Capacity</u> 8 Pints	<u>Gear Ratio</u> 13-21	<u>Ignition</u> High Tension Magneto	<u>Carburetion</u> Float Feed, High and Low Speed Adjustment
---	---------------------------------------	---	--	--	--	--------------------------------	---	--



# SCOTT-ATWATER

## Model 473

### DELUXE TWIN



#### MECHANICAL SPECIFICATIONS

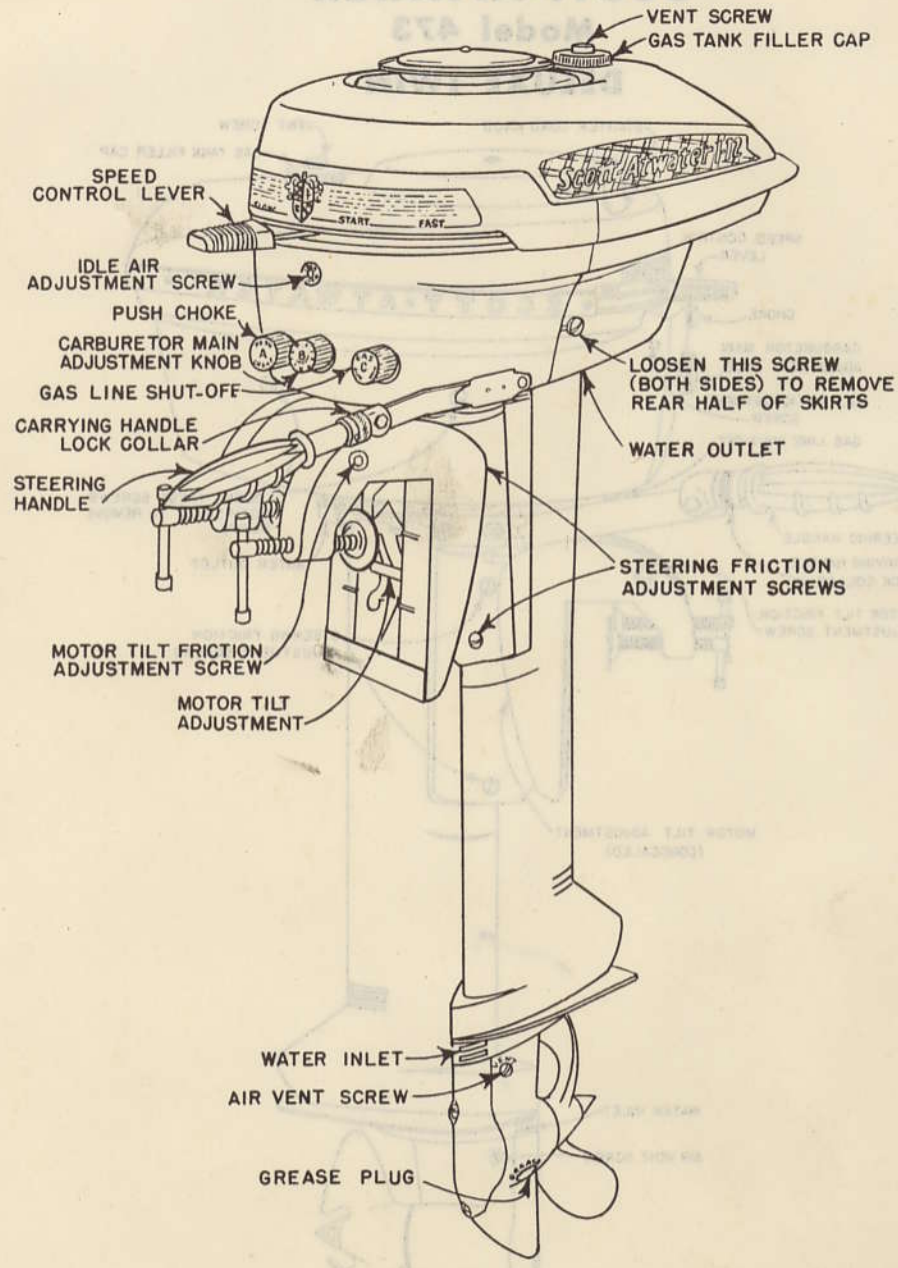
Horsepower	Number of Cylinders	Bore and Stroke	Piston Displacement	Propeller	Fuel Tank Capacity	Gear Ratio	Ignition	Carburetion
7.5 @ 4200 r.p.m. O.B.C. Certified Horsepower	Two	2 x 1 3/4	11.0 Cu. In.	2 Blade 8 x 9	8 Pints	13-21	High Tension Magneto	Float Feed, High and Low Speed Adjustment



# SCOTT-ATWATER 1-12

## STANDARD SINGLE

### MODEL 480



#### MECHANICAL SPECIFICATIONS

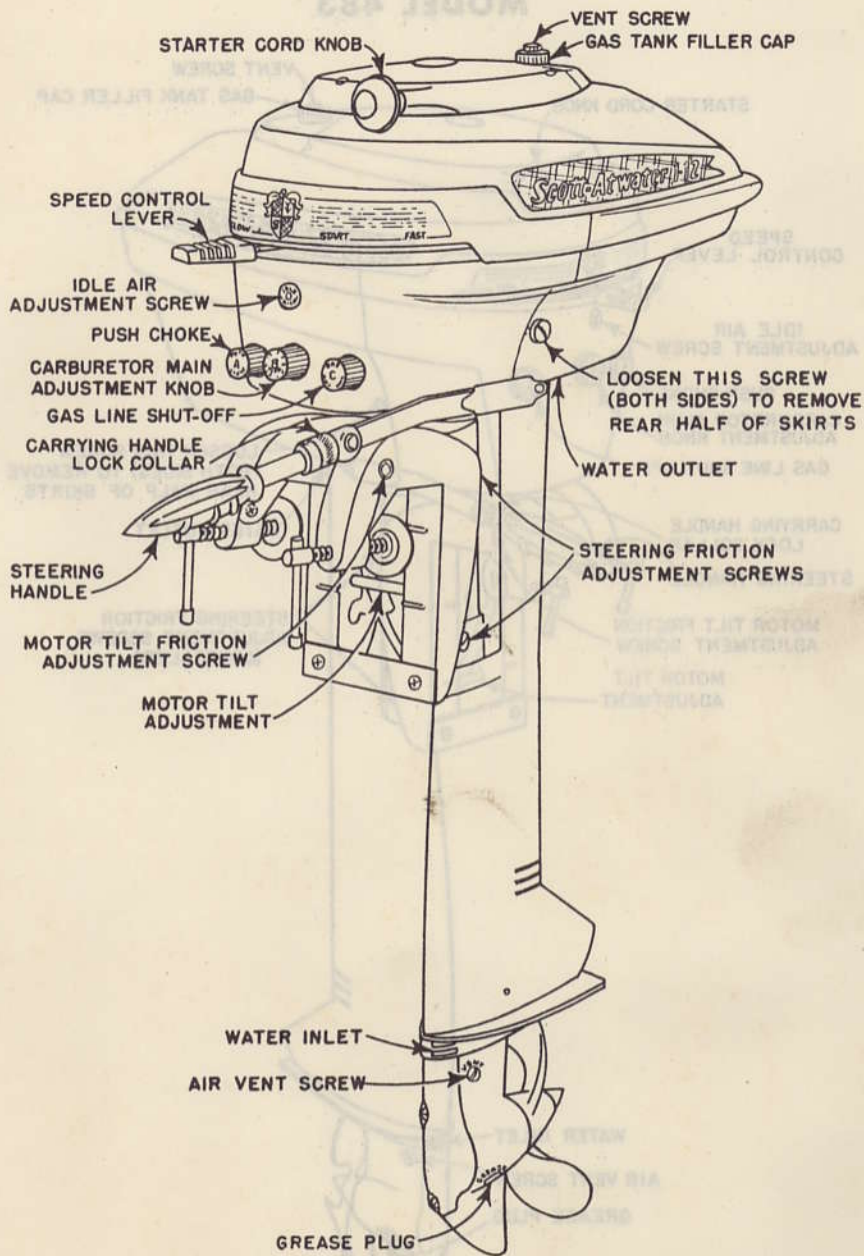
Horsepower	Number of Cylinders	Bore and Stroke	Piston Displacement	Propeller	Fuel Tank Capacity	Gear Ratio	Ignition	Carburetion
3.6 @ 4000 r.p.m. O.B.C. Certified Horsepower	One	2 1/8 x 1 3/4	6.23 Cu. In.	2 Blade 7 1/2 x 6	8 Pints	13-21	High Tension Magneto	Float Feed High and Low Speed Adjustment



# SCOTT-ATWATER 1-12

## DELUXE SINGLE

### MODEL 481



#### MECHANICAL SPECIFICATIONS

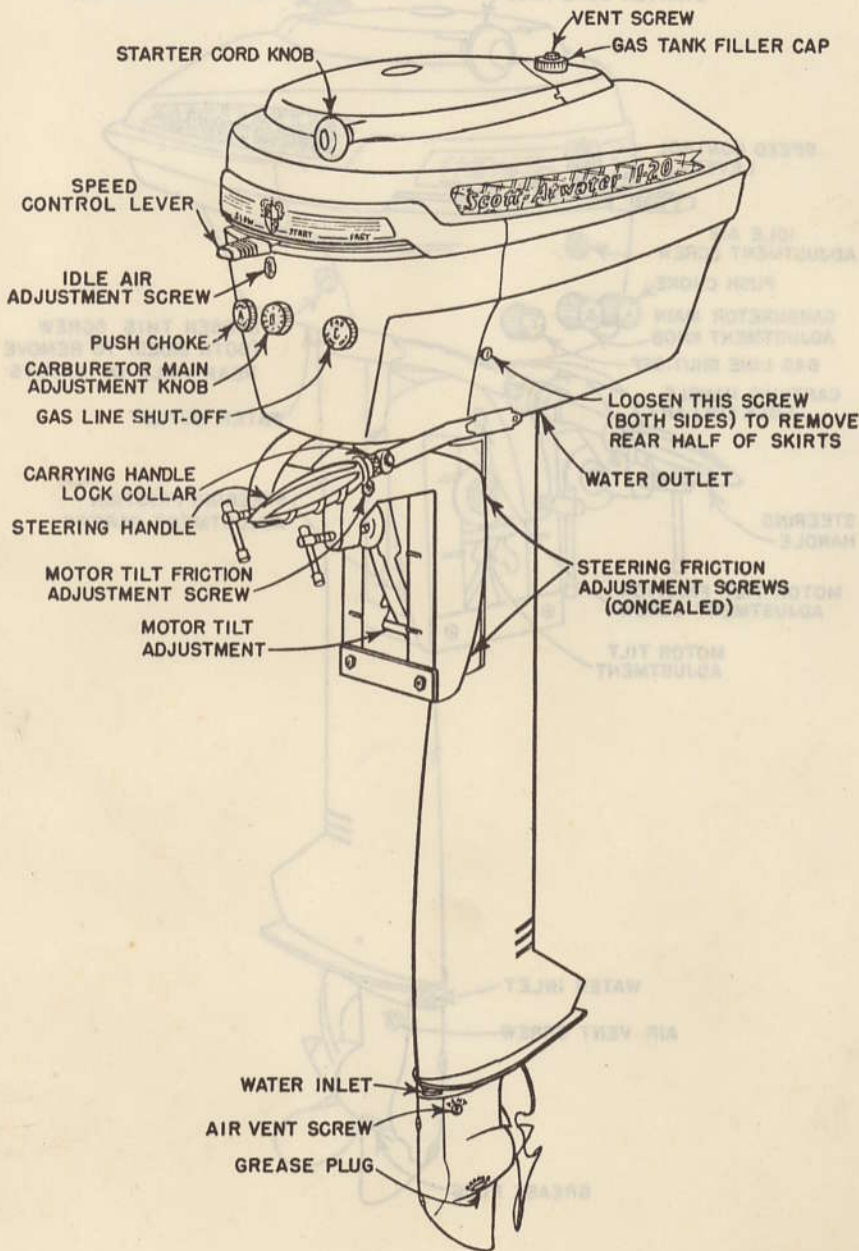
Horsepower	Number of Cylinders	Bore and Stroke	Piston Displacement	Propeller	Fuel Tank Capacity	Gear Ratio	Ignition	Carburetion
3.6 @ 4000 r.p.m. O.B.C. Certified Horsepower	One	2 1/8 x 1 3/4	6.23 Cu. In.	2 Blade 7 1/2 x 6	8 Pints	13-21	High Tension Magneto	Float Feed High and Low Speed Adjustment



# SCOTT-ATWATER 1-20

## DELUXE TWIN

### MODEL 483

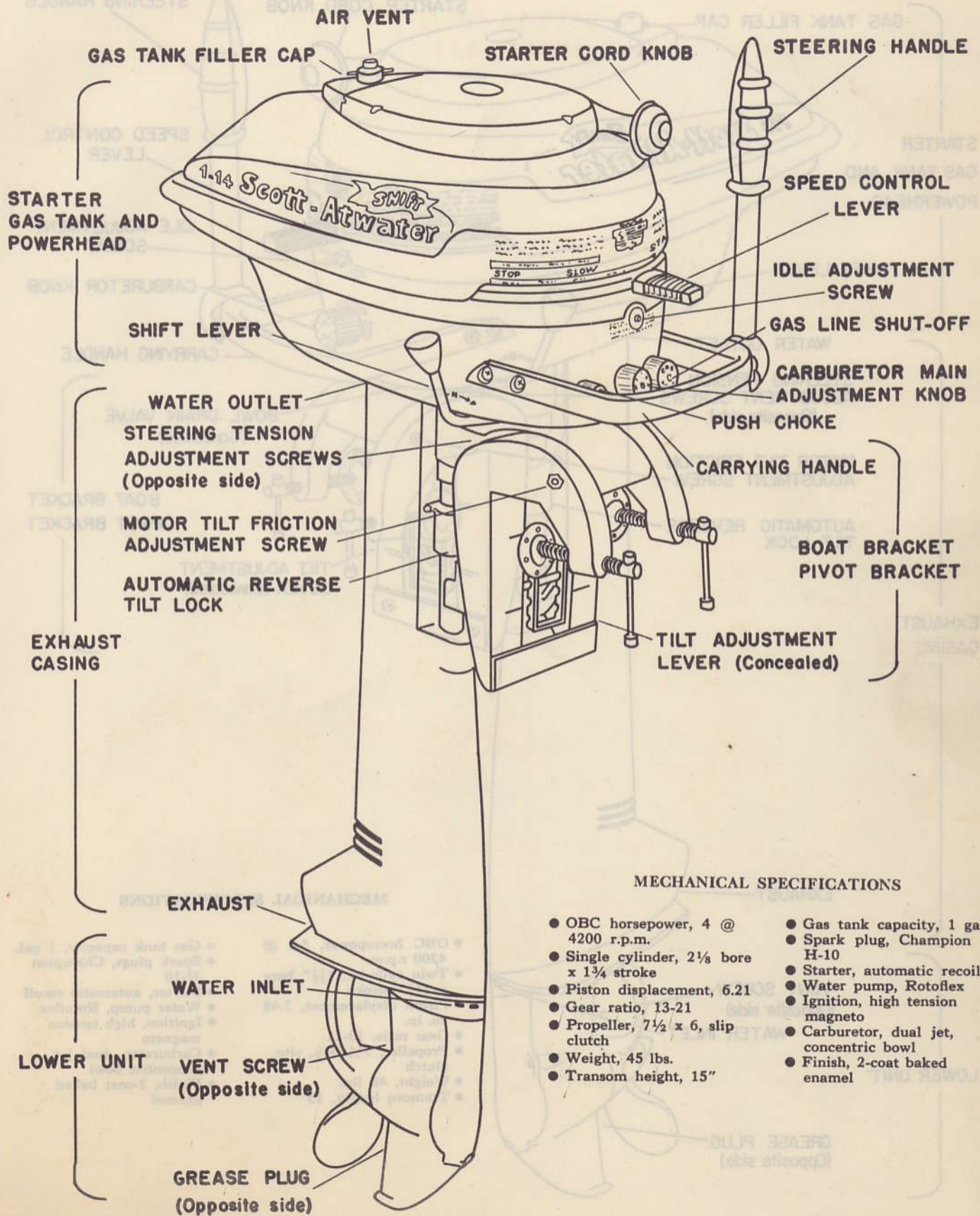


#### MECHANICAL SPECIFICATIONS

Horsepower	Number of Cylinders	Bore and Stroke	Piston Displacement	Propeller	Fuel Tank Capacity	Gear Ratio	Ignition	Carburetion
7.5 @ 4200 r.p.m. O.B.C. Certified Horsepower	Two	2 x 1 3/4	11.0 Cu. In.	2 Blade 8 x 9	8 Pints	13-21	High Tension Magneto	Float Feed High and Low Speed Adjustment



# MODEL 491 4 HP SINGLE 1-14 MPH

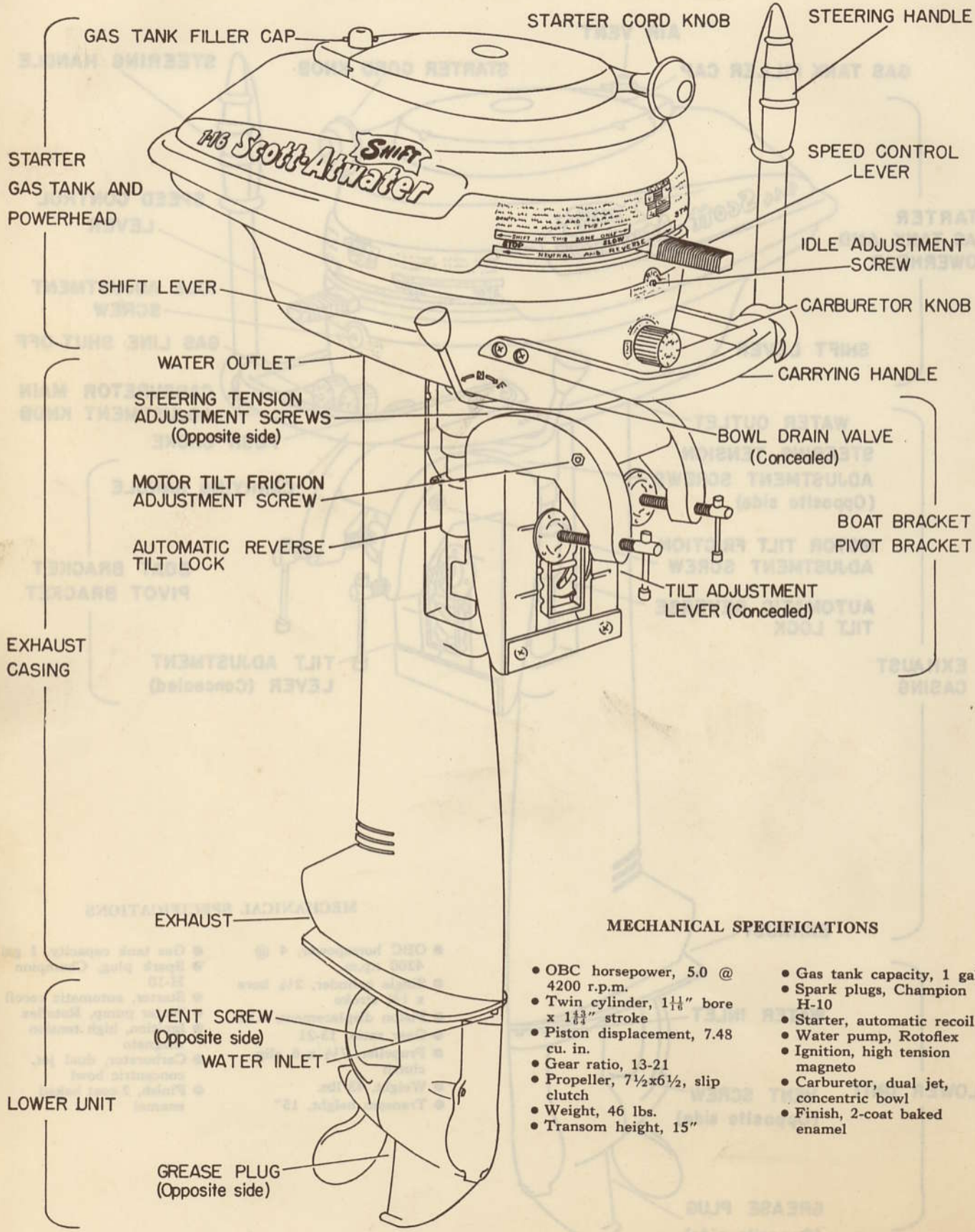


## MECHANICAL SPECIFICATIONS

- OBC horsepower, 4 @ 4200 r.p.m.
- Single cylinder, 2 1/8 bore x 1 3/4 stroke
- Piston displacement, 6.21
- Gear ratio, 13-21
- Propeller, 7 1/2 x 6, slip clutch
- Weight, 45 lbs.
- Transom height, 15"
- Gas tank capacity, 1 gal.
- Spark plug, Champion H-10
- Starter, automatic recoil
- Water pump, Rotoflex
- Ignition, high tension magneto
- Carburetor, dual jet, concentric bowl
- Finish, 2-coat baked enamel



# MODEL 497 5 HP TWIN 1-16 MPH



## MECHANICAL SPECIFICATIONS

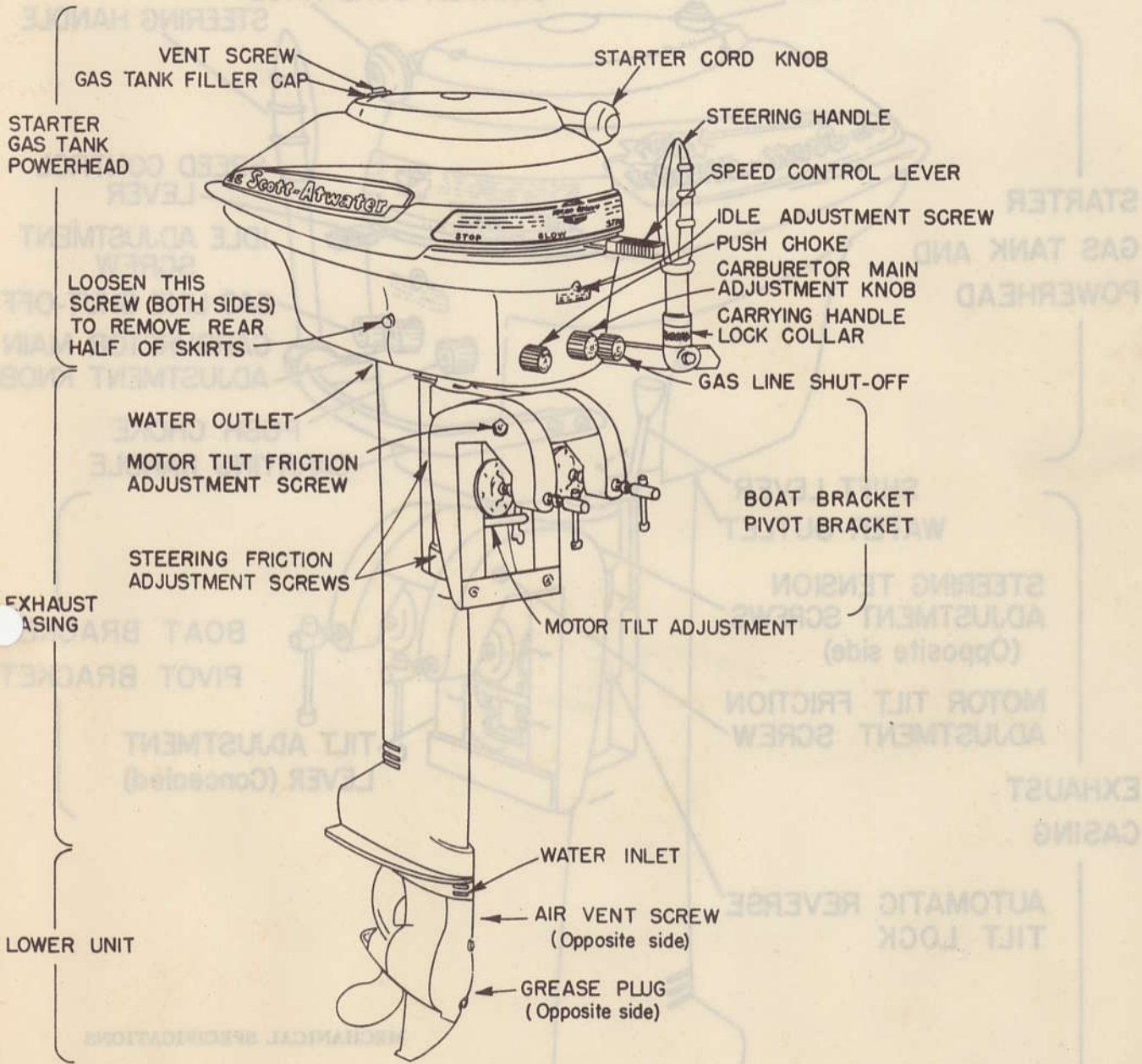
- OBC horsepower, 5.0 @ 4200 r.p.m.
- Twin cylinder, 1 $\frac{1}{4}$ " bore x 1 $\frac{3}{4}$ " stroke
- Piston displacement, 7.48 cu. in.
- Gear ratio, 13-21
- Propeller, 7 $\frac{1}{2}$ x6 $\frac{1}{2}$ , slip clutch
- Weight, 46 lbs.
- Transom height, 15"
- Gas tank capacity, 1 gal.
- Spark plugs, Champion H-10
- Starter, automatic recoil
- Water pump, Rotoflex
- Ignition, high tension magneto
- Carburetor, dual jet, concentric bowl
- Finish, 2-coat baked enamel



# SCOTT-ATWATER 1-12

## DELUXE SINGLE

### MODEL 500

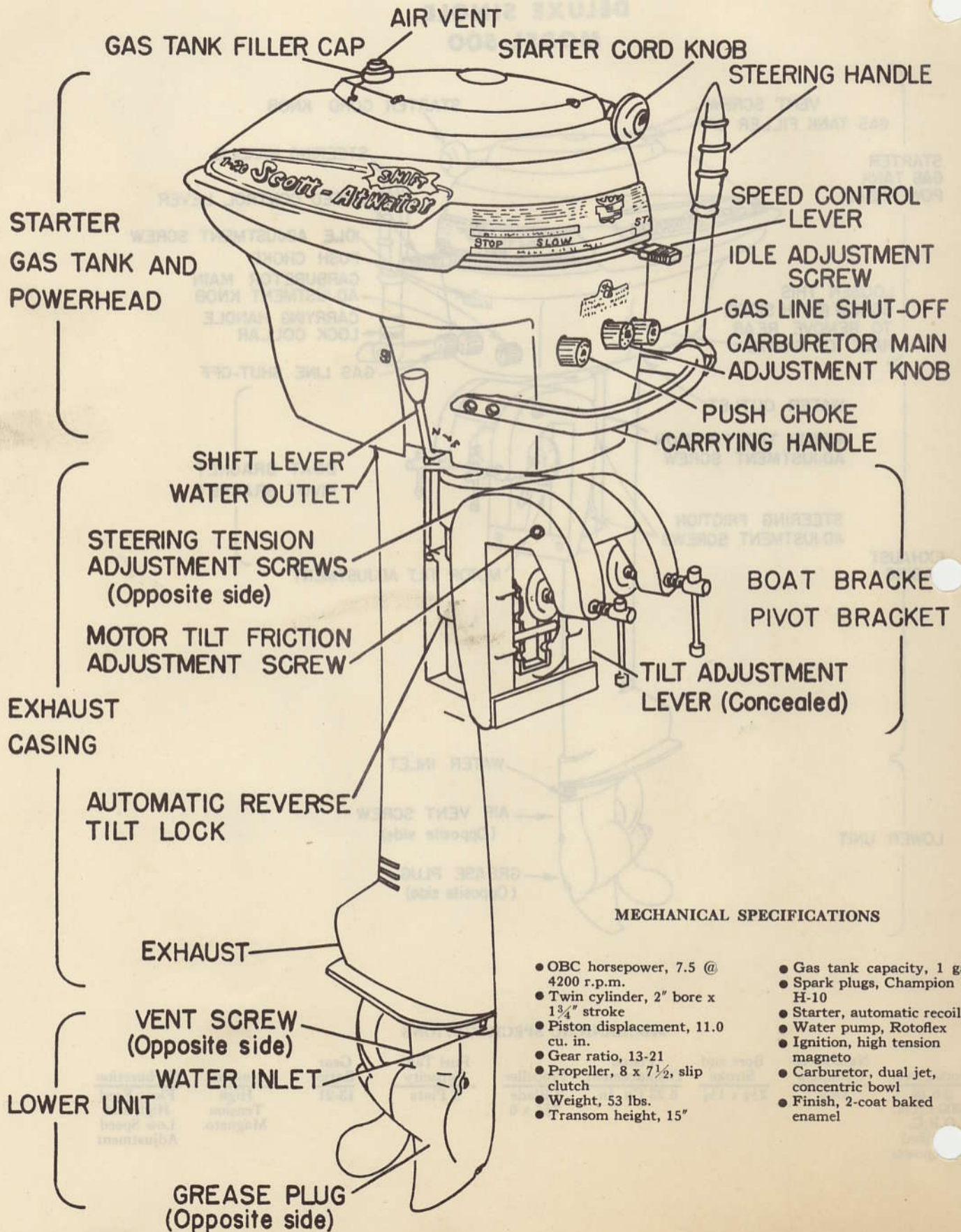


#### MECHANICAL SPECIFICATIONS

Horsepower	Number of Cylinders	Bore and Stroke	Piston Displacement	Propeller	Fuel Tank Capacity	Gear Ratio	Ignition	Carburetion
3.6 @ 4000 r.p.m. O.B.C. Modified Horsepower	One	2 1/8 x 1 3/4	6.23 Cu. In.	2 Blade 7 1/2 x 6	8 Pints	13-21	High Tension Magneto	Float Feed High and Low Speed Adjustment



MODEL 493  $7\frac{1}{2}$  HP TWIN 1-20 MPH

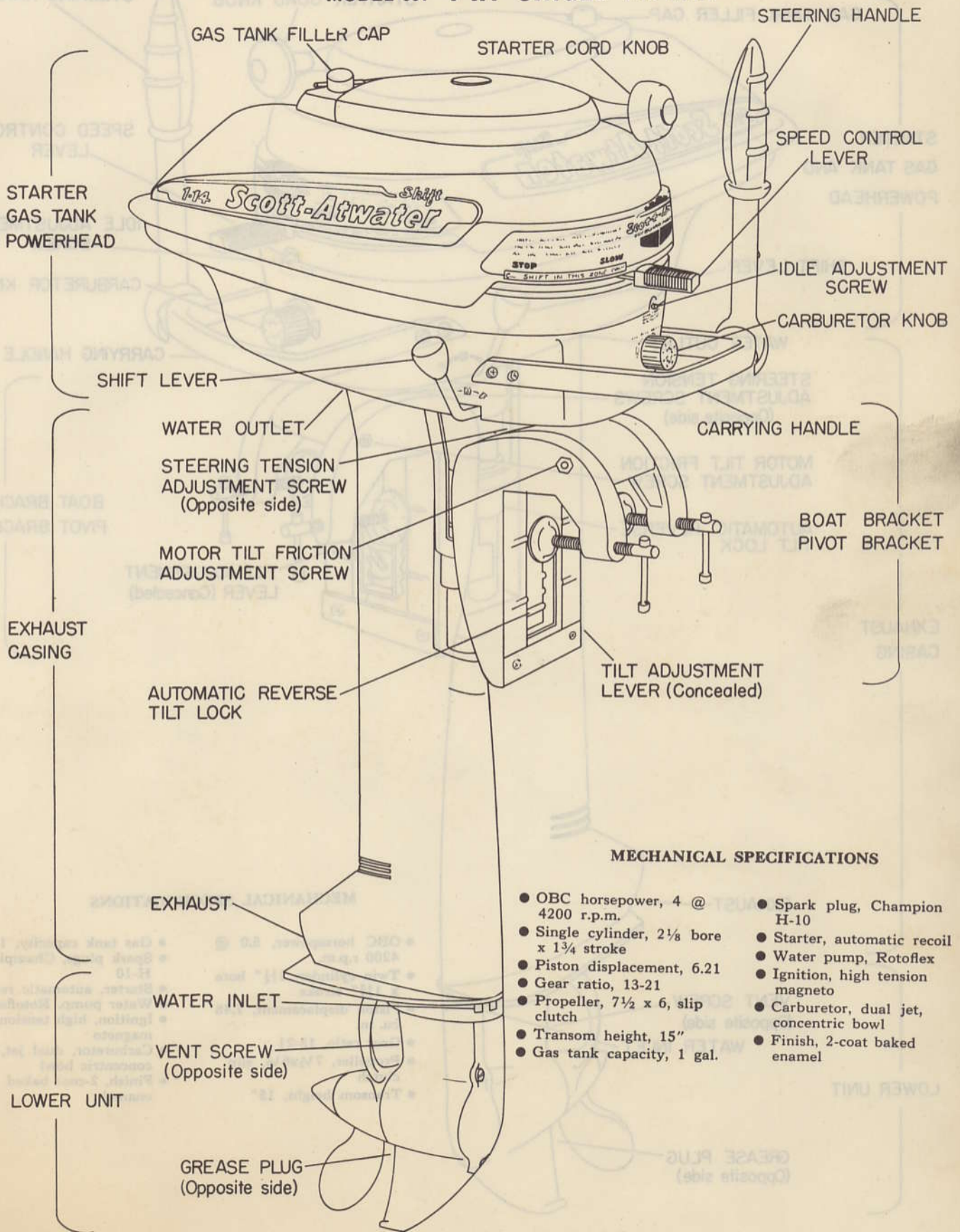


MECHANICAL SPECIFICATIONS

- OBC horsepower, 7.5 @ 4200 r.p.m.
- Twin cylinder, 2" bore x 1 $\frac{3}{4}$ " stroke
- Piston displacement, 11.0 cu. in.
- Gear ratio, 13-21
- Propeller, 8 x 7 $\frac{1}{2}$ , slip clutch
- Weight, 53 lbs.
- Transom height, 15"
- Gas tank capacity, 1 gal.
- Spark plugs, Champion H-10
- Starter, automatic recoil
- Water pump, Rotoflex
- Ignition, high tension magneto
- Carburetor, dual jet, concentric bowl
- Finish, 2-coat baked enamel



MODEL 501 4 HP SINGLE 1-14 MPH

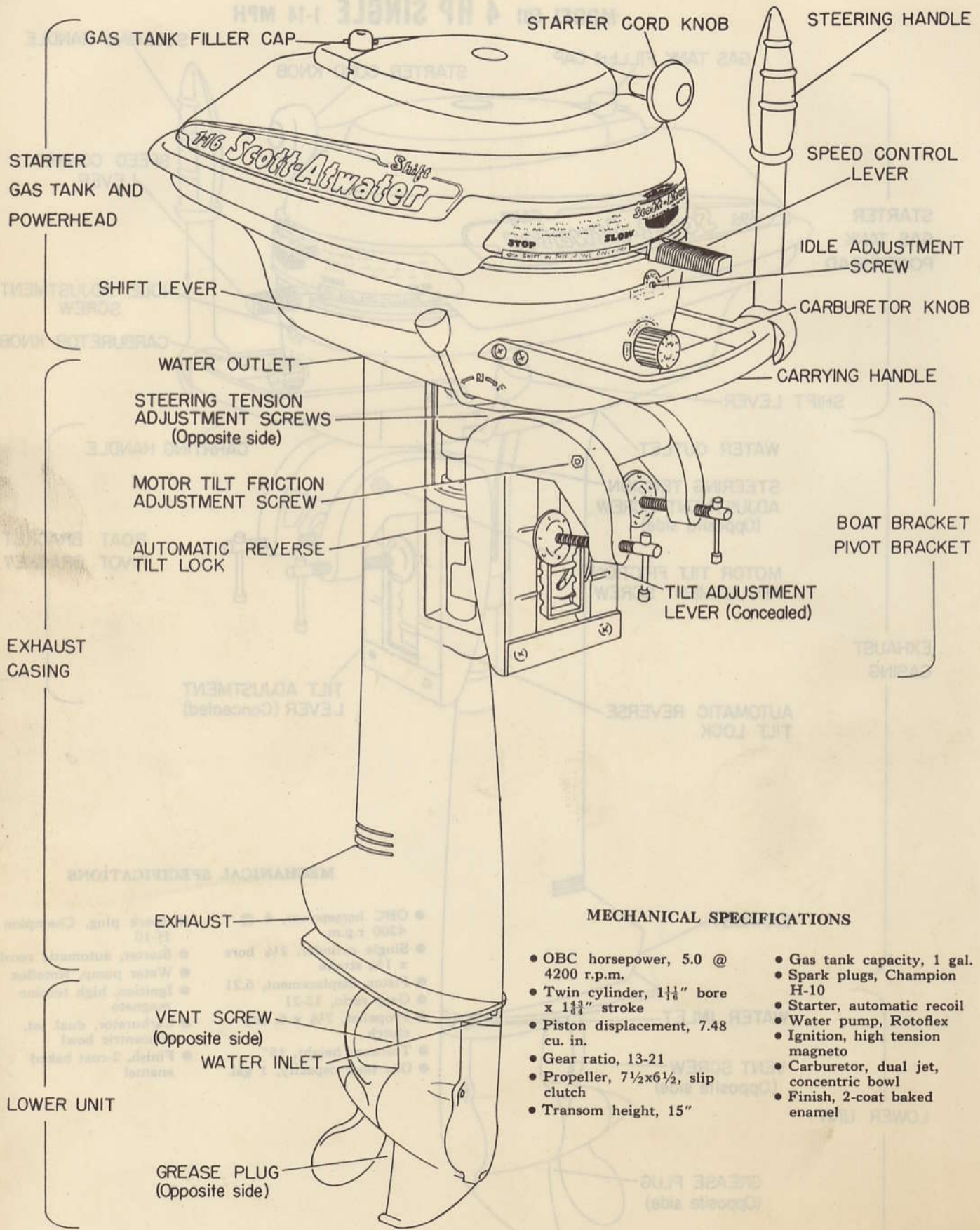


MECHANICAL SPECIFICATIONS

- OBC horsepower, 4 @ 4200 r.p.m.
- Single cylinder, 2 1/8 bore x 1 3/4 stroke
- Piston displacement, 6.21
- Gear ratio, 13-21
- Propeller, 7 1/2 x 6, slip clutch
- Transom height, 15"
- Gas tank capacity, 1 gal.
- Spark plug, Champion H-10
- Starter, automatic recoil
- Water pump, Rotoflex
- Ignition, high tension magneto
- Carburetor, dual jet, concentric bowl
- Finish, 2-coat baked enamel



# MODEL 507 5 HP TWIN 1-16 MPH

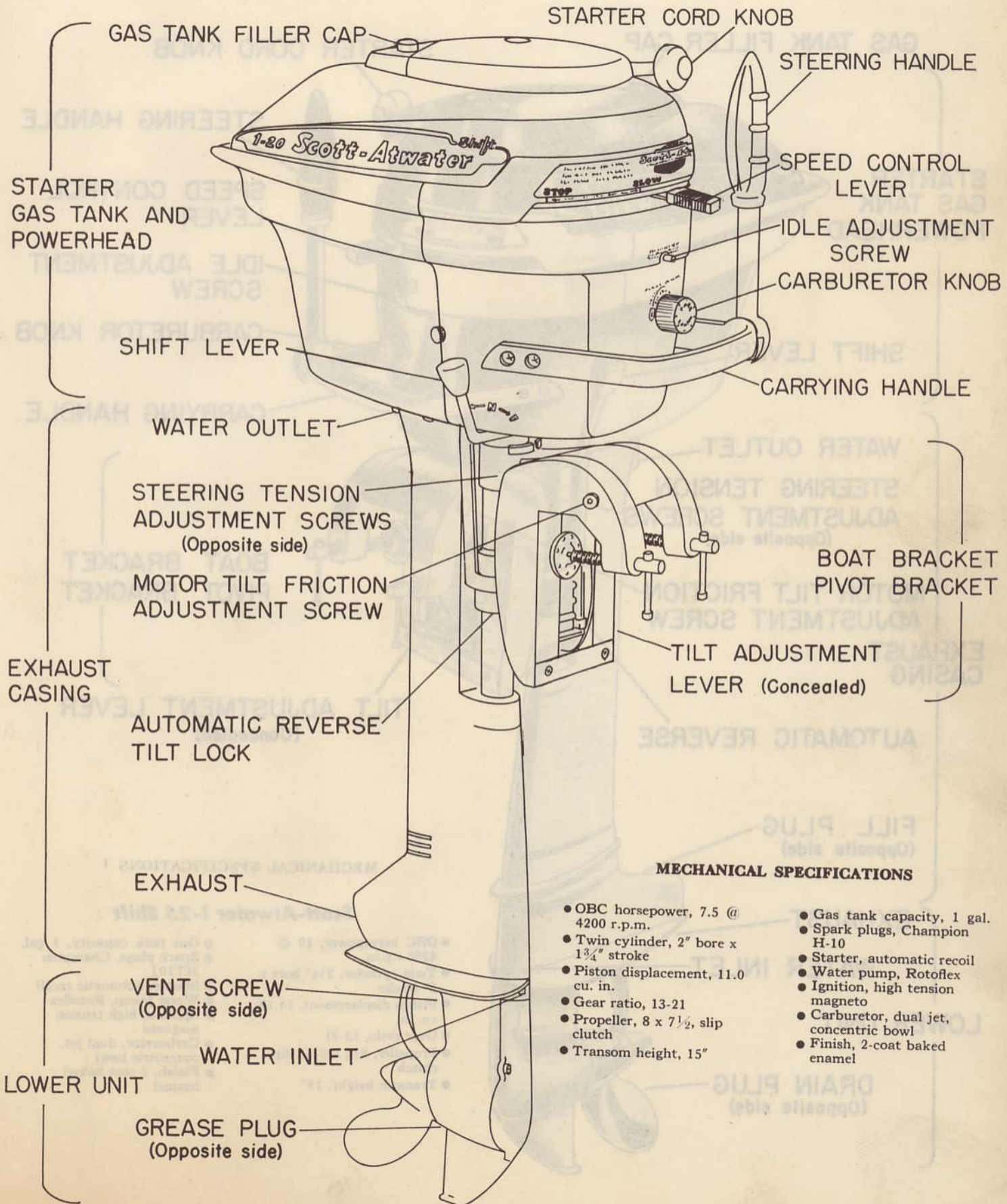


## MECHANICAL SPECIFICATIONS

- OBC horsepower, 5.0 @ 4200 r.p.m.
- Twin cylinder, 1 $\frac{1}{8}$ " bore x 1 $\frac{3}{4}$ " stroke
- Piston displacement, 7.48 cu. in.
- Gear ratio, 13-21
- Propeller, 7 $\frac{1}{2}$ x6 $\frac{1}{2}$ , slip clutch
- Transom height, 15"
- Gas tank capacity, 1 gal.
- Spark plugs, Champion H-10
- Starter, automatic recoil
- Water pump, Rotoflex
- Ignition, high tension magneto
- Carburetor, dual jet, concentric bowl
- Finish, 2-coat baked enamel



# MODEL 503 7½ HP TWIN 1-20 MPH

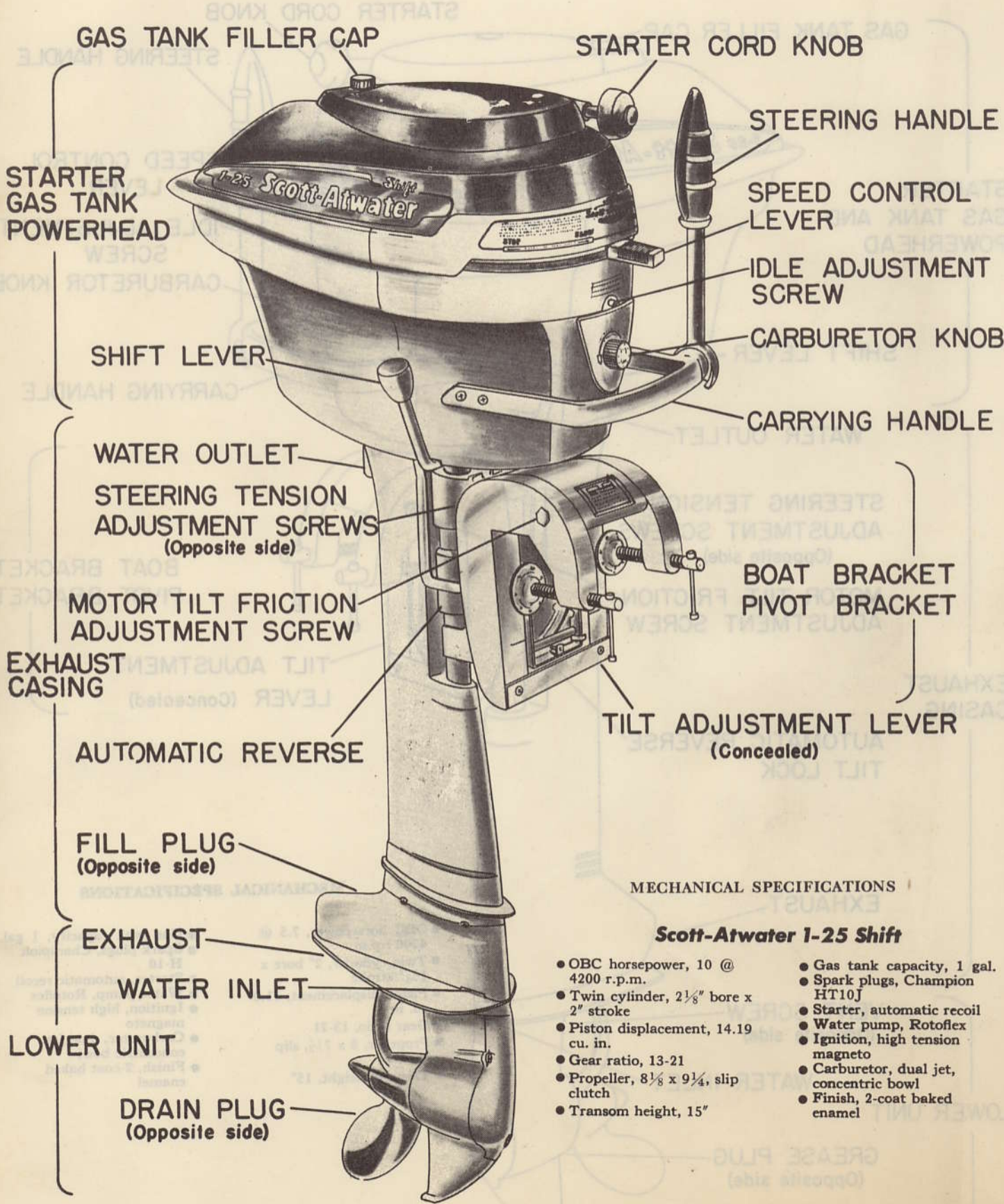


## MECHANICAL SPECIFICATIONS

- OBC horsepower, 7.5 @ 4200 r.p.m.
- Twin cylinder, 2" bore x 1¾" stroke
- Piston displacement, 11.0 cu. in.
- Gear ratio, 13-21
- Propeller, 8 x 7½, slip clutch
- Transom height, 15"
- Gas tank capacity, 1 gal.
- Spark plugs, Champion H-10
- Starter, automatic recoil
- Water pump, Rotoflex
- Ignition, high tension magneto
- Carburetor, dual jet, concentric bowl
- Finish, 2-coat baked enamel



MODEL 518 **10 HP TWIN** 1-25 MPH



- GAS TANK FILLER CAP
- STARTER CORD KNOB
- STARTER GAS TANK POWERHEAD
- STEERING HANDLE
- SPEED CONTROL LEVER
- IDLE ADJUSTMENT SCREW
- CARBURETOR KNOB
- SHIFT LEVER
- CARRYING HANDLE
- WATER OUTLET
- STEERING TENSION ADJUSTMENT SCREWS (Opposite side)
- MOTOR TILT FRICTION ADJUSTMENT SCREW
- BOAT BRACKET PIVOT BRACKET
- EXHAUST CASING
- TILT ADJUSTMENT LEVER (Concealed)
- AUTOMATIC REVERSE
- FILL PLUG (Opposite side)
- EXHAUST
- WATER INLET
- LOWER UNIT
- DRAIN PLUG (Opposite side)

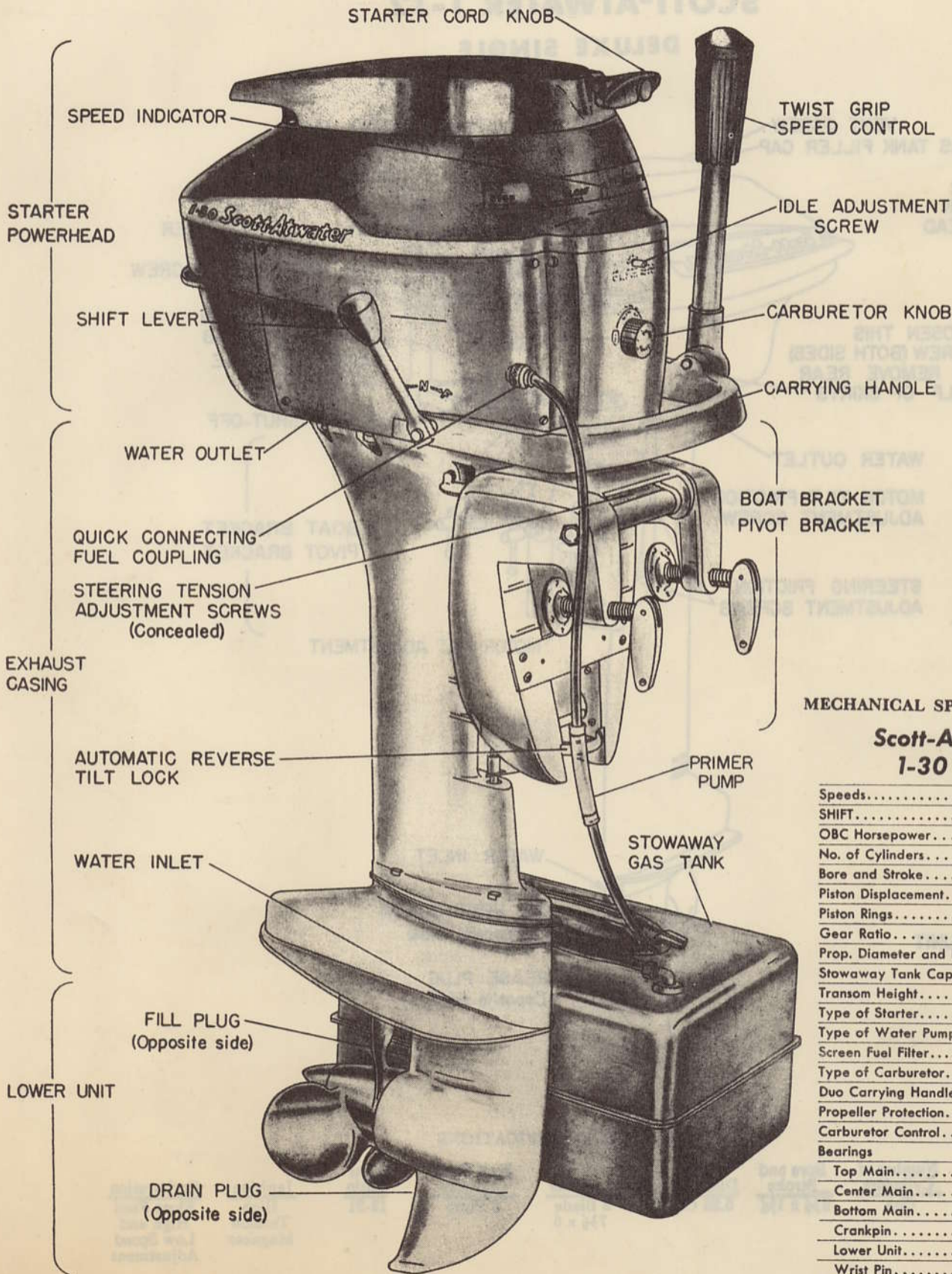
MECHANICAL SPECIFICATIONS

**Scott-Atwater 1-25 Shift**

- OBC horsepower, 10 @ 4200 r.p.m.
- Twin cylinder, 2 1/8" bore x 2" stroke
- Piston displacement, 14.19 cu. in.
- Gear ratio, 13-21
- Propeller, 8 1/8 x 9 1/4, slip clutch
- Transom height, 15"
- Gas tank capacity, 1 gal.
- Spark plugs, Champion HT10J
- Starter, automatic recoil
- Water pump, Rotoflex
- Ignition, high tension magneto
- Carburetor, dual jet, concentric bowl
- Finish, 2-coat baked enamel



# MODEL 509 16 HP TWIN 1-30 MPH



## MECHANICAL SPECIFICATIONS

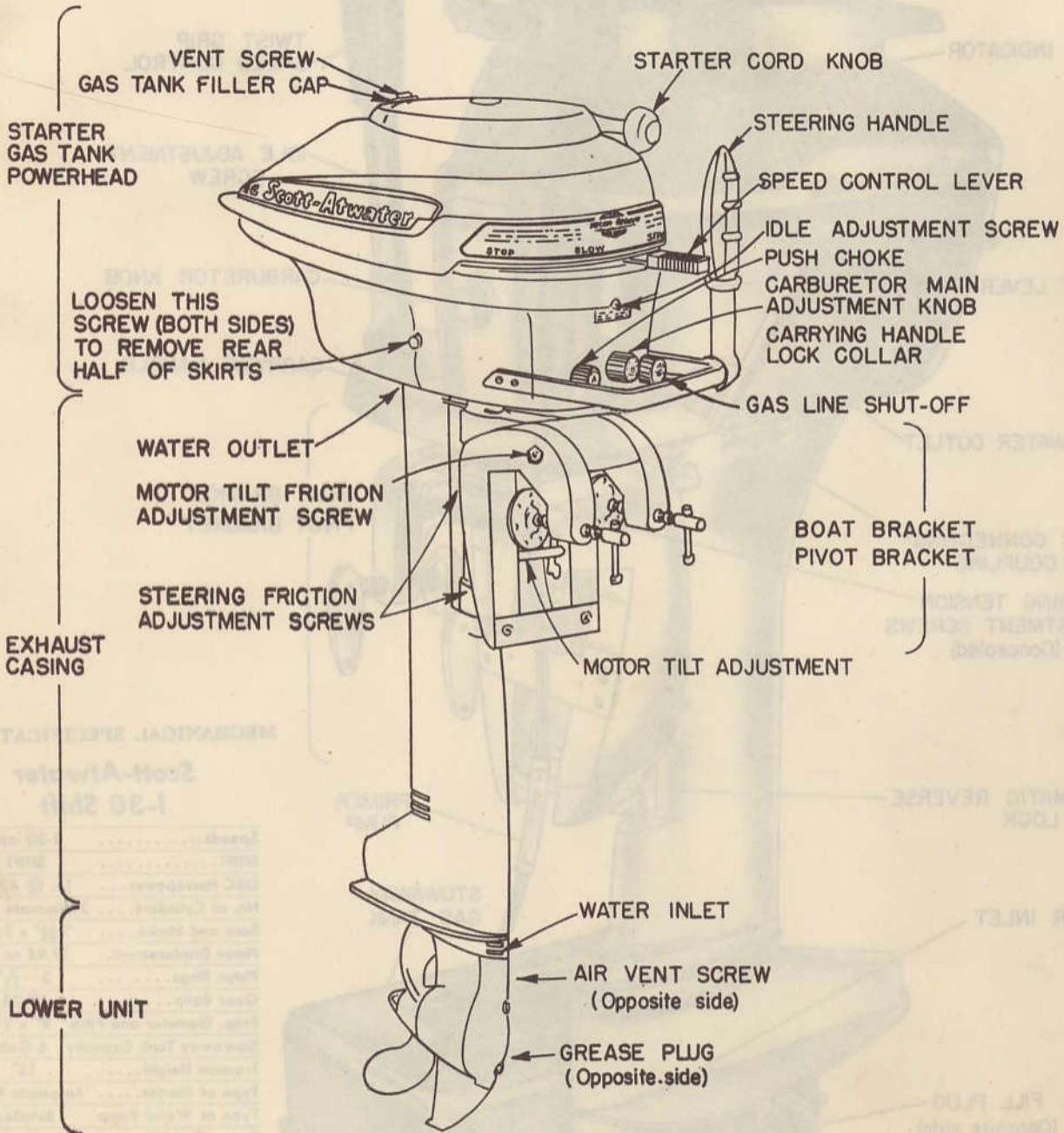
### Scott-Atwater 1-30 Shift

Speeds.....	1-30 mph
SHIFT.....	SHIFT
OBC Horsepower...	16. @ 4200
No. of Cylinders...	2 Alternate Firing
Bore and Stroke...	2 1/2" x 2 5/8"
Piston Displacement..	19.95 cu. in.
Piston Rings.....	3 - 3/2"
Gear Ratio.....	17-23
Prop. Diameter and Pitch	9" x 9 1/2"
Stowaway Tank Capacity	6 Gallons
Transom Height.....	15"
Type of Starter.....	Automatic Recoil
Type of Water Pump	Rotoflex
Screen Fuel Filter...	Yes
Type of Carburetor...	Concentric Bowl
Duo Carrying Handle	Yes
Propeller Protection..	Shock Absorber
Carburetor Control..	Single Knob
<b>Bearings</b>	
Top Main.....	Double Roller
Center Main.....	Roller
Bottom Main.....	Roller
Crankpin.....	Roller
Lower Unit.....	Ball and Roller
Wrist Pin.....	Double Roller



# SCOTT-ATWATER 1-12

## DELUXE SINGLE

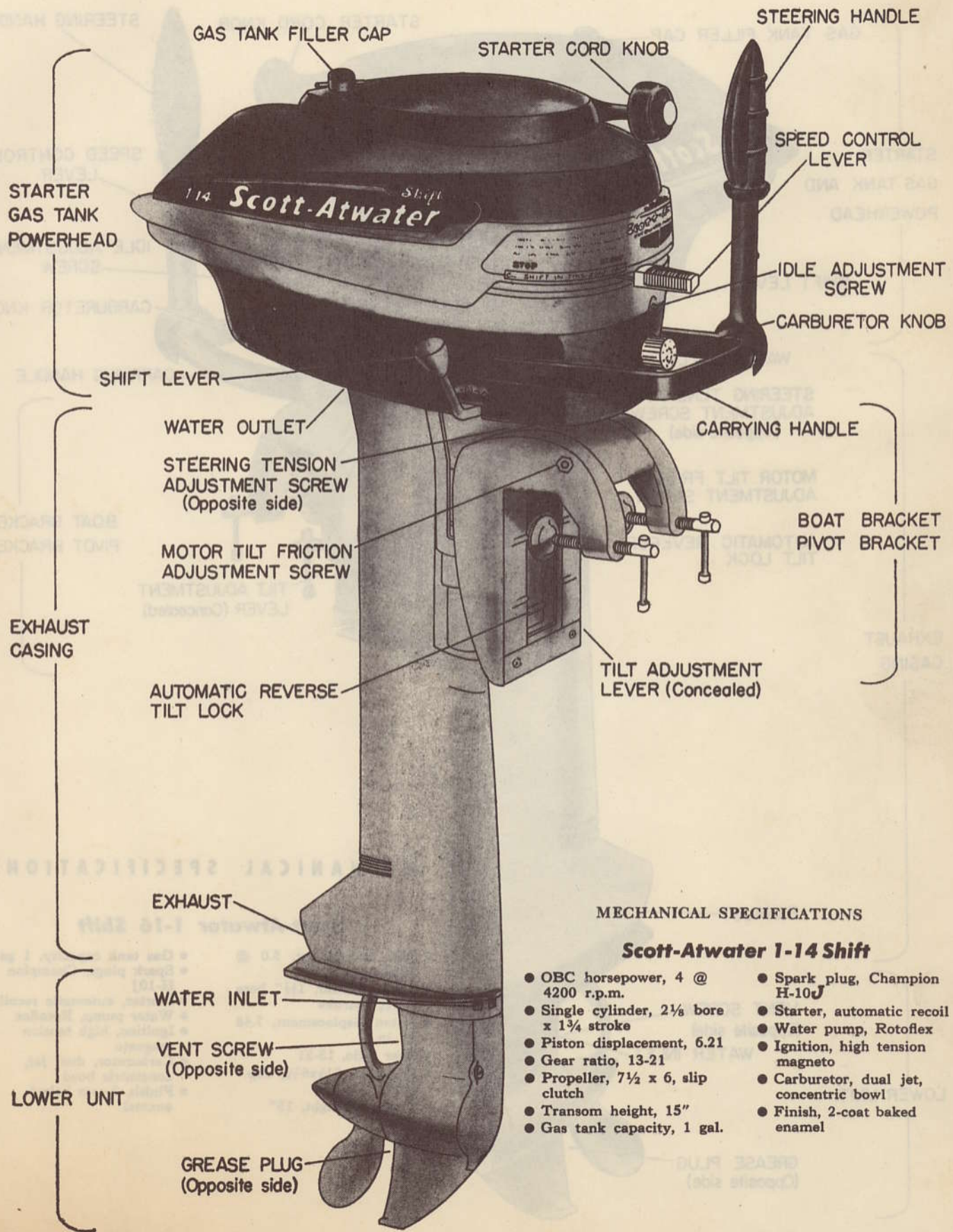


### MECHANICAL SPECIFICATIONS

Horsepower	Number of Cylinders	Bore and Stroke	Piston Displacement	Propeller	Fuel Tank Capacity	Gear Ratio	Ignition	Carburetion
8.6 @ 4000 r.p.m. O.B.C. Certified Horsepower	One	2 1/4 x 1 1/2	8.23 Cu. In.	2 Blade 7 1/2 x 6	8 Pints	13-21	High Tension Magneto	Float Feed High and Low Speed Adjustment



# 4 HP SINGLE 1-14 MPH



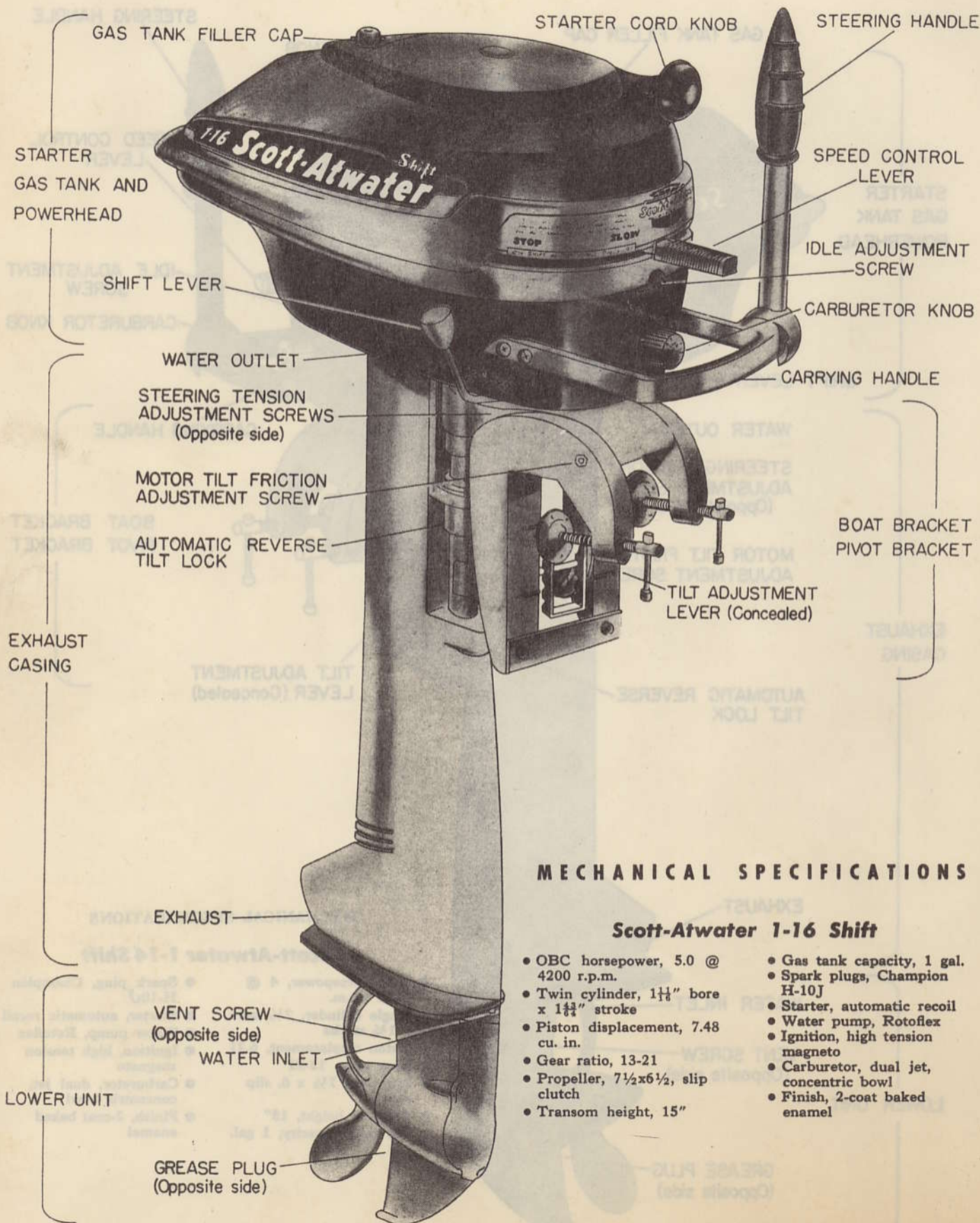
## MECHANICAL SPECIFICATIONS

### Scott-Atwater 1-14 Shift

- OBC horsepower, 4 @ 4200 r.p.m.
- Single cylinder, 2 1/8 bore x 1 3/4 stroke
- Piston displacement, 6.21
- Gear ratio, 13-21
- Propeller, 7 1/2 x 6, slip clutch
- Transom height, 15"
- Gas tank capacity, 1 gal.
- Spark plug, Champion H-10J
- Starter, automatic recoil
- Water pump, Rotoflex
- Ignition, high tension magneto
- Carburetor, dual jet, concentric bowl
- Finish, 2-coat baked enamel



# 5 HP TWIN • 1-16 MPH



GAS TANK FILLER CAP

STARTER CORD KNOB

STEERING HANDLE

STARTER  
GAS TANK AND  
POWERHEAD

SPEED CONTROL  
LEVER

SHIFT LEVER

IDLE ADJUSTMENT  
SCREW

CARBURETOR KNOB

WATER OUTLET

CARRYING HANDLE

STEERING TENSION  
ADJUSTMENT SCREWS  
(Opposite side)

MOTOR TILT FRICTION  
ADJUSTMENT SCREW

BOAT BRACKET  
PIVOT BRACKET

AUTOMATIC REVERSE  
TILT LOCK

TILT ADJUSTMENT  
LEVER (Concealed)

EXHAUST  
CASING

EXHAUST

## MECHANICAL SPECIFICATIONS

### Scott-Atwater 1-16 Shift

- OBC horsepower, 5.0 @ 4200 r.p.m.
- Twin cylinder, 1 $\frac{1}{4}$ " bore x 1 $\frac{1}{4}$ " stroke
- Piston displacement, 7.48 cu. in.
- Gear ratio, 13-21
- Propeller, 7 $\frac{1}{2}$ x6 $\frac{1}{2}$ , slip clutch
- Transom height, 15"
- Gas tank capacity, 1 gal.
- Spark plugs, Champion H-10J
- Starter, automatic recoil
- Water pump, Rotoflex
- Ignition, high tension magneto
- Carburetor, dual jet, concentric bowl
- Finish, 2-coat baked enamel

VENT SCREW  
(Opposite side)

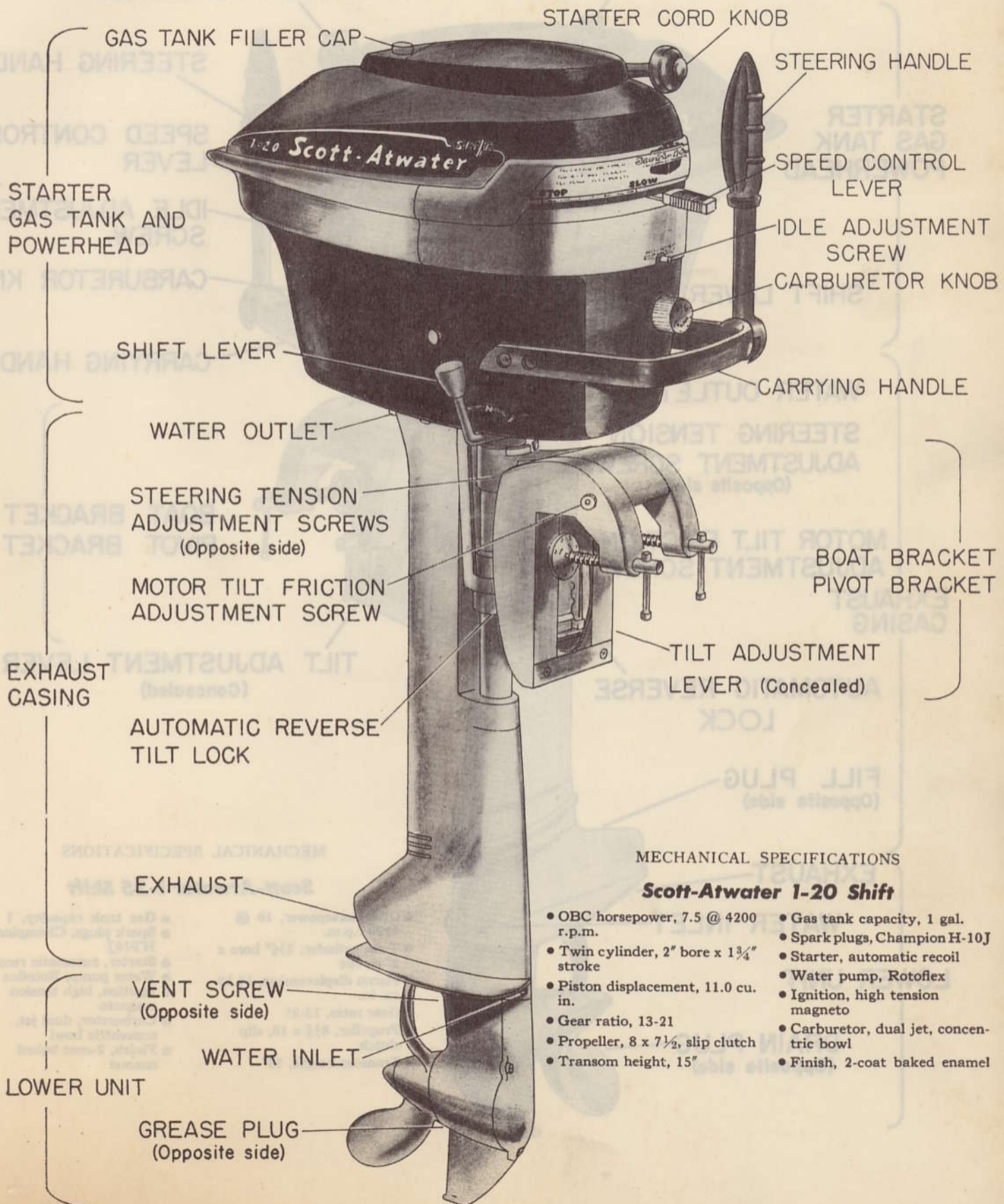
WATER INLET

LOWER UNIT

GREASE PLUG  
(Opposite side)



# 7½ HP TWIN • 1-20 MPH



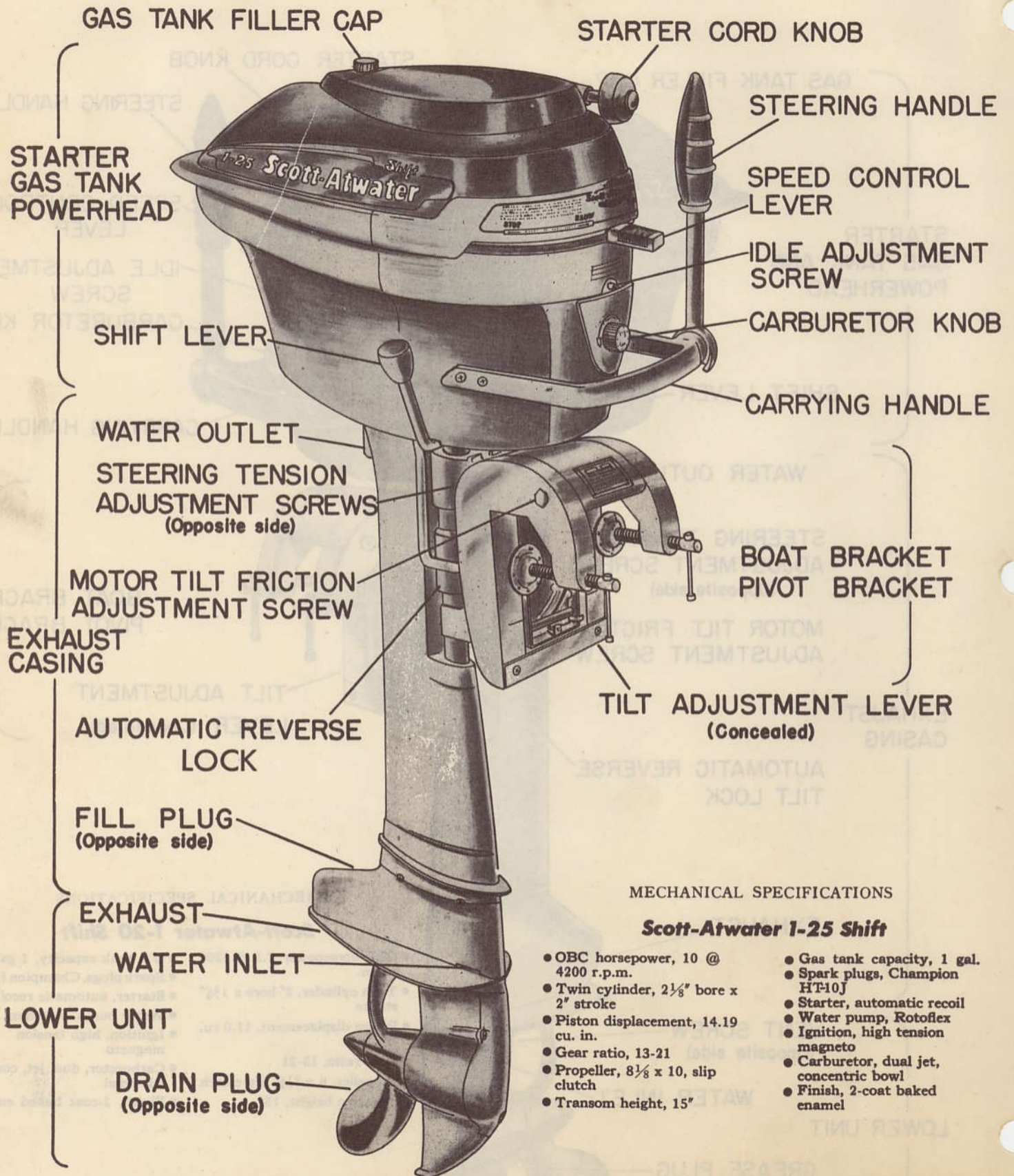
## MECHANICAL SPECIFICATIONS

### Scott-Atwater 1-20 Shift

- OBC horsepower, 7.5 @ 4200 r.p.m.
- Twin cylinder, 2" bore x 1¾" stroke
- Piston displacement, 11.0 cu. in.
- Gear ratio, 13-21
- Propeller, 8 x 7½, slip clutch
- Transom height, 15"
- Gas tank capacity, 1 gal.
- Spark plugs, Champion H-10J
- Starter, automatic recoil
- Water pump, Rotoflex
- Ignition, high tension magneto
- Carburetor, dual jet, concentric bowl
- Finish, 2-coat baked enamel



# 10 HP TWIN • 1-25 MPH



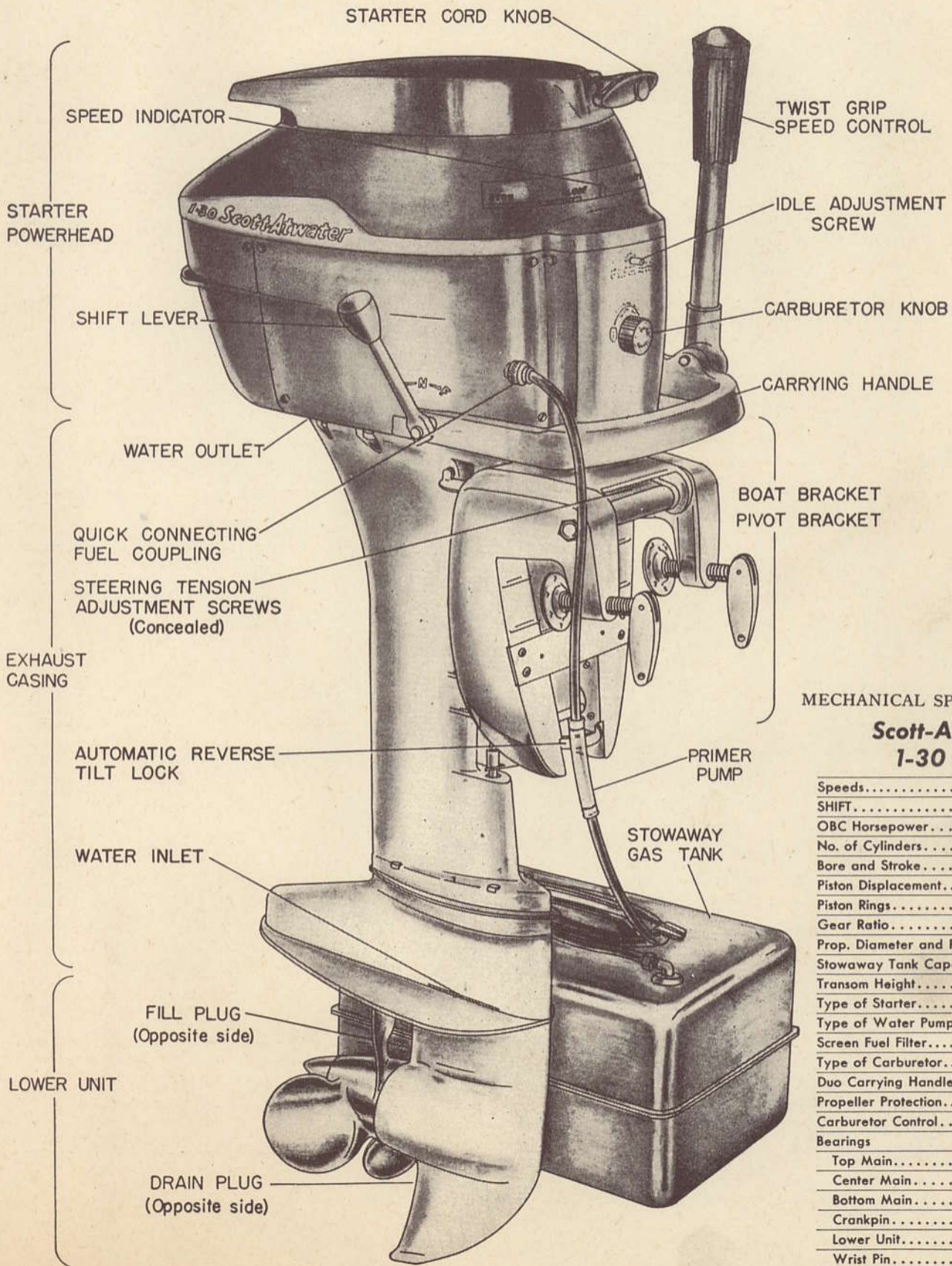
## MECHANICAL SPECIFICATIONS

### Scott-Atwater 1-25 Shift

- OBC horsepower, 10 @ 4200 r.p.m.
- Twin cylinder, 2 $\frac{1}{8}$ " bore x 2" stroke
- Piston displacement, 14.19 cu. in.
- Gear ratio, 13-21
- Propeller, 8 $\frac{1}{8}$  x 10, slip clutch
- Transom height, 15"
- Gas tank capacity, 1 gal.
- Spark plugs, Champion HT10J
- Starter, automatic recoil
- Water pump, Rotoflex
- Ignition, high tension magneto
- Carburetor, dual jet, concentric bowl
- Finish, 2-coat baked enamel



# 16 HP TWIN • 1-30 MPH



## MECHANICAL SPECIFICATIONS

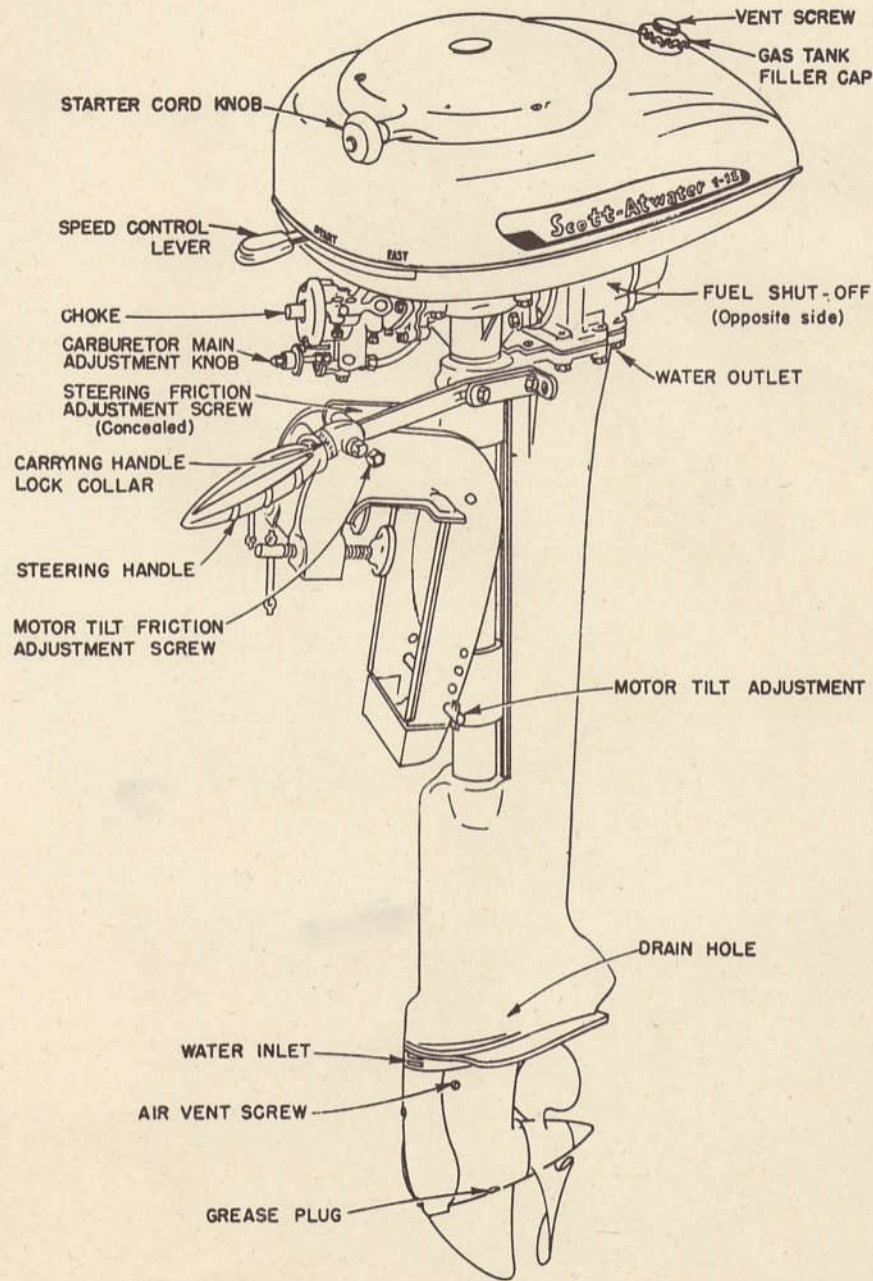
### Scott-Atwater 1-30 Shift

Speeds.....	1-30 mph
SHIFT.....	SHIFT
OBC Horsepower... ..	16. @ 4200
No. of Cylinders... ..	2 Alternate Firing
Bore and Stroke... ..	2 1/2" x 2 5/8"
Piston Displacement..	19.95 cu. in.
Piston Rings.....	3 - 3/2"
Gear Ratio.....	17-23
Prop. Diameter and Pitch	9" x 9 1/2"
Stowaway Tank Capacity	6 Gallons
Transom Height.....	15"
Type of Starter.....	Automatic Recoil
Type of Water Pump	Rotoflex
Screen Fuel Filter....	Yes
Type of Carburetor..	Concentric Bowl
Duo Carrying Handle	Yes
Propeller Protection..	Shock Absorber
Carburetor Control..	Single Knob
<b>Bearings</b>	
Top Main.....	Double Roller
Center Main.....	Roller
Bottom Main.....	Roller
Crankpin.....	Roller
Lower Unit.....	Ball and Roller
Wrist Pin.....	Double Roller



# SCOTT-ATWATER 1-12

SERIES 3025



## MECHANICAL SPECIFICATIONS

Horsepower	Number of Cylinders	Bore and Stroke	Piston Displacement	Propeller	Fuel Tank Capacity	Gear Ratio	Ignition	Carburetion
3.6 @ 4000 r.p.m. O.B.C. Certified Horsepower	One	2 1/8 x 1 3/4	6.23 Cu. In.	2 Blade 7 1/2 x 6	8 Pints	13-21	High Tension Magneto	Float Feed High and Low Speed Adjustment





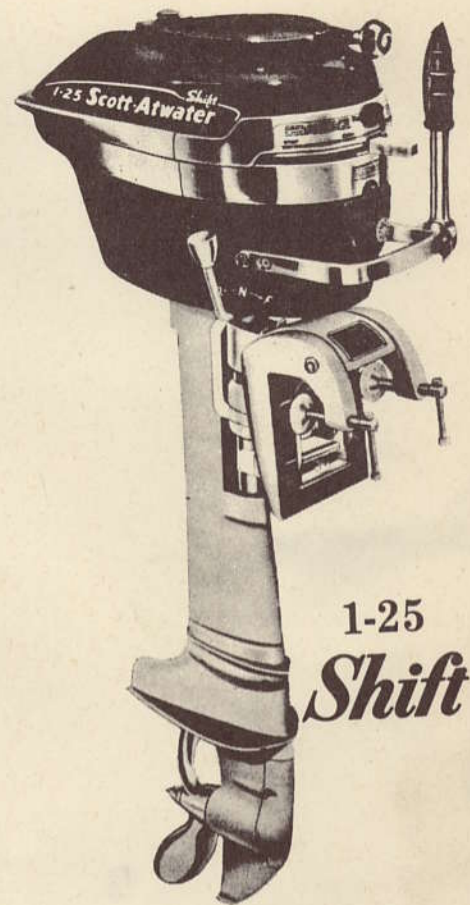
1-16  
*Shift*

3725



1-20  
*Shift*

3325



1-25  
*Shift*

3825

**1-16 Shift**

**1-20 Shift**

**1-25 Shift**

Speeds.....	1-16 mph	1-20 mph	1-25 mph
SHIFT.....	SHIFT	SHIFT	SHIFT
OBC Horsepower.....	5.0 @ 4200 r.p.m.	7.5 @ 4200 r.p.m.	10.0 @ 4200 r.p.m.
No. of Cylinders.....	2 Alternate Firing	2 Alternate Firing	2 Alternate Firing
Bore and Stroke.....	1 1/16" x 1 3/64"	2" x 1 3/8"	2 1/8" x 2"
Piston Displacement.....	7.48 Cu. In.	11.0 Cu. In.	14.19 Cu. In.
Piston Rings.....	2-1/8"	2-1/8"	2-1/8"
Gear Ratio.....	13-21	13-21	13-21
Prop. Diameter and Pitch.....	7 1/2 x 6 1/4, 2 Blade	8 x 7 1/2, 2 Blade	8 1/8 x 10, 2 Blade
Fuel Tank Capacity.....	1 Gallon	1 Gallon	1 Gallon
Transom Height.....	15"	15"	15"
Type of Starter.....	Automatic Recoil	Automatic Recoil	Automatic Recoil
Type of Water Pump.....	Rotoflex	Rotoflex	Rotoflex
Screen Fuel Filter.....	Yes	Yes	Yes
Type of Carburetor.....	Concentric Bowl	Concentric Bowl	Concentric Bowl
Down Carrying Handle.....	Yes	Yes	Yes
Propeller Protection.....	Slip Clutch	Slip Clutch	Slip Clutch
Carburetor Control.....	Single Knob	Single Knob	Single Knob
<b>Bearings</b>			
Top Main.....	Double Roller	Bronze	Double Roller
Center Main.....	Bronze	Bronze	Bronze
Bottom Main.....	Roller	Bronze	Roller
Crankpin.....	Roller	Roller	Roller
Lower Unit.....	Ball and Roller	Ball and Roller	Ball and Roller
Wrist Pin.....	Bronze	Bronze	Bronze

1-30 Shift (3925) - same as 1951 Model





**3735**



**3335**



**3835**



**3935**

**3735  
Shift**

**3335  
Shift**

**3835  
Shift**

**3935  
Shift**

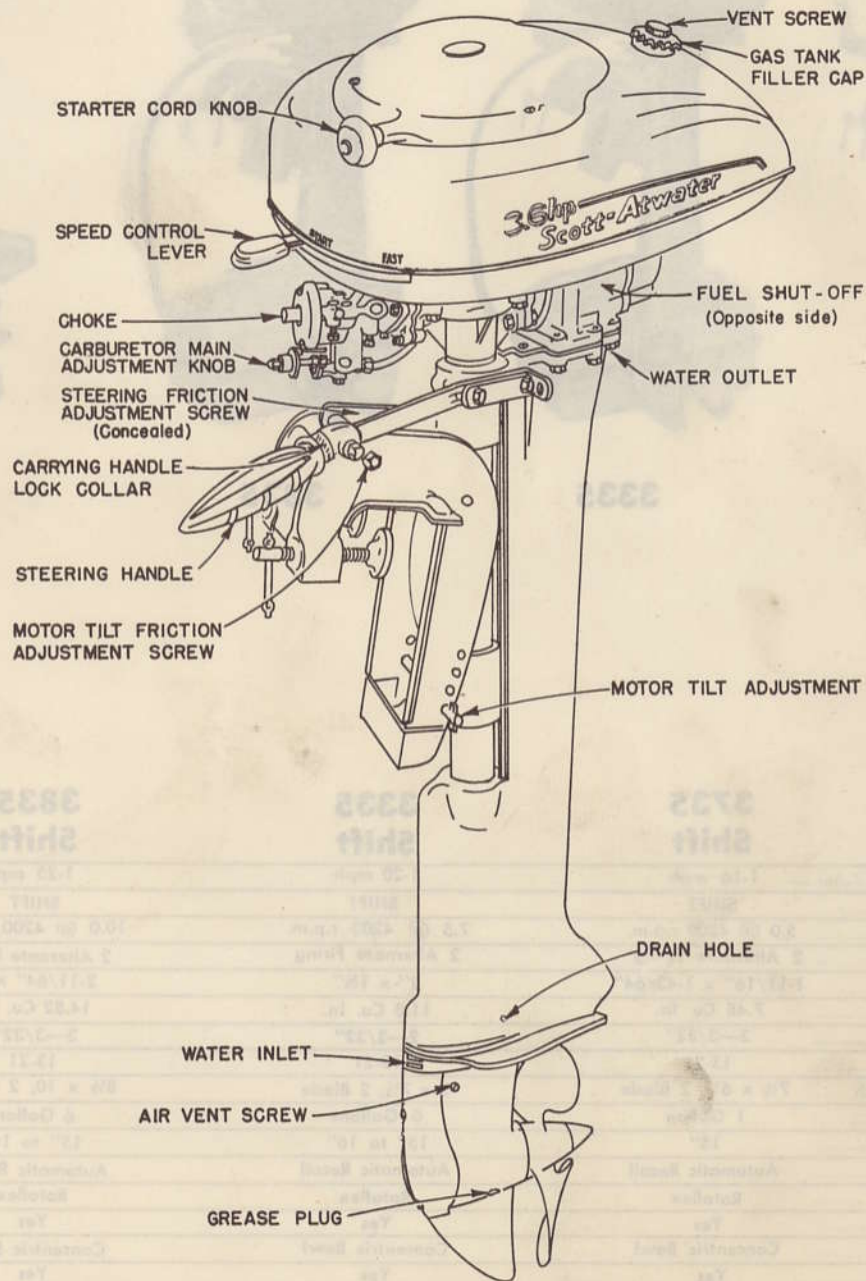
Speeds	1-16 mph	1-20 mph	1-25 mph	1-30 mph
SHIFT	SHIFT	SHIFT	SHIFT	SHIFT
OBC Horsepower	5.0 @ 4200 r.p.m.	7.5 @ 4200 r.p.m.	10.0 @ 4200 r.p.m.	16. at 4200 r.p.m.
No. of Cylinders	2 Alternate Firing	2 Alternate Firing	2 Alternate Firing	2 Alternate Firing
Bore and Stroke	1-11/16" x 1-43/64"	2" x 1 3/4"	2-11/64" x 2"	2-11/32" x 2-5/16"
Piston Displacement	7.48 Cu. In.	11.0 Cu. In.	14.82 Cu. In.	19.95 Cu. In.
Piston Rings	2-3/32"	2-3/32"	3-3/32"	3-3/32"
Gear Ratio	13-21	13-21	13-21	17-23
Prop. Diameter and Pitch	7 1/2 x 6 1/4, 2 Blade	8 x 7 1/2, 2 Blade	8 1/8 x 10, 2 Blade	9" x 9 1/2"
Fuel Tank Capacity	1 Gallon	6 Gallons	6 Gallons	6 Gallons
Transom Height	15"	15" to 16"	15" to 16"	15"
Type of Starter	Automatic Recoil	Automatic Recoil	Automatic Recoil	Automatic Recoil
Type of Water Pump	Rotoflex	Rotoflex	Rotoflex	Rotoflex
Screen Fuel Filter	Yes	Yes	Yes	Yes
Type of Carburetor	Concentric Bowl	Concentric Bowl	Concentric Bowl	Concentric Bowl
Duo Carrying Handle	Yes	Yes	Yes	Yes
Propeller Protection	Cushioned Hub	Cushioned Hub	Cushioned Hub	Shock Absorber
Carburetor Control	Single Knob	Single Knob	Single Knob	Single Knob
<b>Bearings</b>				
Top Main	Double Roller	Bronze	Double Roller	Double Roller
Center Main	Bronze	Bronze	Bronze	Bronze
Bottom Main	Roller	Bronze	Roller	Roller
Crankpin	Roller	Roller	Roller	Roller
Lower Unit	Ball and Roller	Ball and Roller	Ball and Roller	Ball and Roller
Wrist Pin	Bronze	Bronze	Bronze	Double Roller

(3035 Same as 3025 Model)



# SCOTT-ATWATER SUPER SINGLE

## 3045



### MECHANICAL SPECIFICATIONS

Horsepower	Number of Cylinders	Bore and Stroke	Piston Displacement	Propeller	Fuel Tank Capacity	Gear Ratio	Ignition	Carburetion
3.6 @ 4000 r.p.m. O.B.C. Certified Horsepower	One	2 1/8 x 1 3/4	6.23 Cu. In.	2 Blade 7 1/2 x 6	8 Pints	13-21	High Tension Magneto	Float Feed High and Low Speed Adjustment

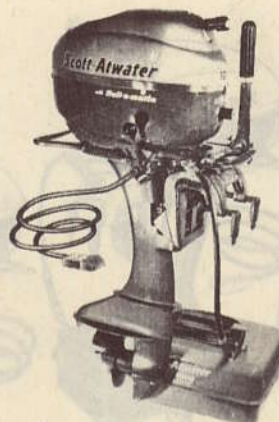




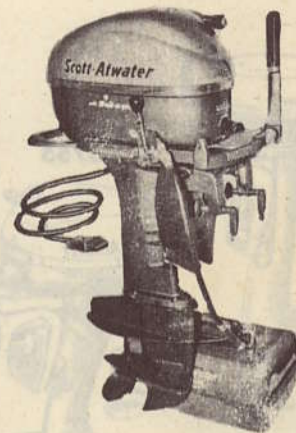
**3745**



**3345**



**3845**

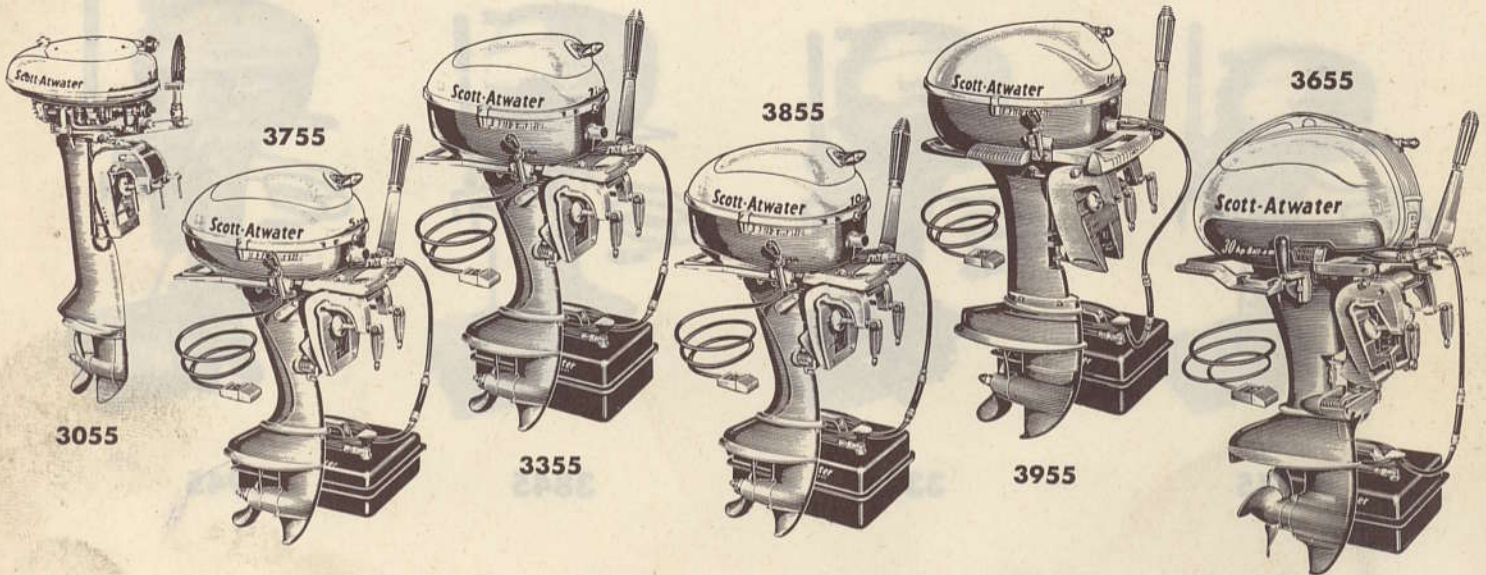


**3945**

	<b>3745</b>	<b>3345</b>	<b>3845</b>	<b>3945</b>
	<b>Bail-a-matic</b>	<b>Bail-a-matic</b>	<b>Bail-a-matic</b>	<b>Bail-a-matic</b>

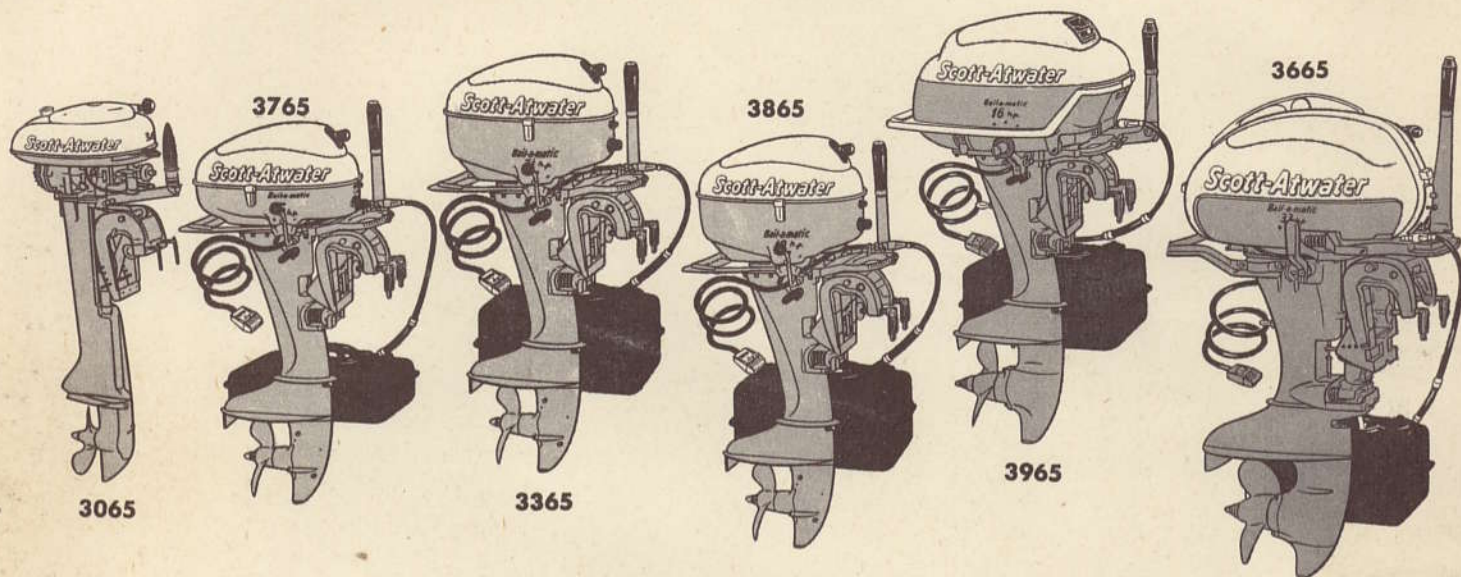
Speeds .....	1-16 mph	1-20 mph	1-25 mph	1-30 mph
Shift .....	Full Shift	Full Shift	Full Shift	Full Shift
OBC Horsepower .....	5.0 @ 4200 r.p.m.	7.5 @ 4200 r.p.m.	10.0 @ 4200 r.p.m.	16.0 @ 4200 r.p.m.
No. of Cylinders .....	2	2	2	2
Bore and Stroke .....	1-11/16" x 1-43/64"	2" x 1 3/4"	2-11/64" x 2"	2-11/32" x 2-5/16"
Piston Displacement .....	7.48 Cu. In.	11.0 Cu. In.	14.82 Cu. In.	19.95 Cu. In.
Gear Ratio .....	13-21	13-21	13-21	17-23
Prop. Dia. & Pitch (2 Blade) .....	7 1/2" x 6"	8" x 7"	8 1/8" x 9 1/2"	9" x 9"
Prop. Protection .....	Cushion Hub	Cushion Hub	Cushion Hub	Cushion Hub
Gas Tank (Remote) .....	3 1/2 Gallons	6 Gallons	6 Gallons	6 Gallons
Recoil Starter .....	Drop Paul	Drop Paul	Drop Paul	Drop Paul
Water Pump .....	Vacu-matic	Vacu-matic	Vacu-matic	Vacu-matic
Carburetor .....	Concentric Bowl	Concentric Bowl	Concentric Bowl	Concentric Bowl
<b>Bearings:</b>				
Top Main .....	Needle	Bronze	Needle	Needle
Center Main .....	Bronze	Bronze	Bronze	Bronze and Roller
Lower Main .....	Needle	Bronze	Needle	Needle
Crankpin .....	Needle	Needle	Needle	Needle
Wrist Pin .....	Bronze	Bronze	Bronze	Bronze
Lower Unit .....	Ball and Bronze	Ball and Bronze	Ball and Bronze	Ball and Roller
Weight—Driving Depth .....	45 lbs., 15"	49 lbs., 15"	58 lbs., 15"	79 lbs., 15"
Bailing .....	Power Bailing	Power Bailing	Power Bailing	Power Bailing
Carburetor Control .....	Single Knob	Single Knob	Single Knob	Single Knob
Main Motor Mount .....	Pillowed Power	Pillowed Power	Pillowed Power	Conventional
Flushing Inlet .....	Yes	Yes	Yes	Yes
Carburetor Drain and Flush .....	Yes	Yes	Yes	Yes
Stabilized Steering .....	Cushioned	Cushioned	Cushioned	Cushioned





	<b>3055</b> <b>Super Single</b>	<b>3755</b> <b>Bail-a-Matic</b>	<b>3355</b> <b>Bail-a-Matic</b>	<b>3855</b> <b>Bail-a-Matic</b>	<b>3955</b> <b>Bail-a-Matic</b>	<b>3655</b> <b>Bail-a-Matic</b>
Speed .....	1-12 mph	1-16 mph	1-20 mph	1-25 mph	1-30 mph	2-40 mph
Shift .....	No	Full Shift	Full Shift	Full Shift	Full Shift	Full Shift
OBC Horsepower .....	3.6 @ 4000 r.p.m.	5.0 @ 4200 r.p.m.	7.5 @ 4200 r.p.m.	10.0 @ 4200 r.p.m.	16.0 @ 4200 r.p.m.	30.0 @ 4200 r.p.m.
No. of Cylinders .....	1	2	2	2	2	2
Bore and Stroke .....	2 $\frac{1}{8}$ " x 1 $\frac{3}{4}$ "	1 $\frac{11}{16}$ " x 1 $\frac{3}{64}$ "	2" x 1 $\frac{3}{4}$ "	2 $\frac{1}{64}$ " x 2"	2 $\frac{11}{32}$ " x 2 $\frac{5}{16}$ "	3 $\frac{1}{16}$ " x 2 $\frac{3}{4}$ "
Piston Displacement .....	6.23 Cu. In.	7.48 Cu. In.	11.0 Cu. In.	14.82 Cu. In.	19.95 Cu. In.	40.51 Cu. In.
Gear Ratio .....	13-21	13-21	13-21	13-21	17-23	13-22
Prop. Dia. & Pitch (2 Blade) .....	7 $\frac{1}{2}$ " x 6"	7 $\frac{1}{2}$ " x 6"	8" x 7"	8 $\frac{1}{8}$ " x 9 $\frac{1}{2}$ "	9" x 9"	10" x 14"
Prop. Protection .....	Shear Pin	Cushion Hub	Cushion Hub	Cushion Hub	Cushion Hub	Cushion Hub
Gas Tank .....	Integral—8 Ft.	3 $\frac{1}{2}$ Gals. (Remote)	6 Gals. (Remote)	6 Gals. (Remote)	6 Gals. (Remote)	6 Gals. (Remote)
Recoil Starter .....	Recoil	Drop Pawl	Drop Pawl	Drop Pawl	Drop Pawl	Drop Pawl
Water Pump .....	Rotor	Vacu-matic	Vacu-matic	Vacu-matic	Vacu-matic	Vacu-matic
Carburetor .....	Side Bowl	Concentric Bowl	Concentric Bowl	Concentric Bowl	Concentric Bowl	Concentric Bowl
<b>Bearings:</b>						
Top Main .....	Bronze	Needle	Bronze	Needle	Needle	Roller
Center Main .....		Bronze	Bronze	Bronze	Bronze and Roller	Bronze and Roller
Lower Main .....	Bronze	Needle	Bronze	Needle	Needle	Roller
Crankpin .....	Needle	Needle	Needle	Needle	Needle	Roller
Wrist Pin .....	Bronze	Bronze	Bronze	Bronze	Bronze	Needle
Lower Unit .....	Bronze	Ball and Bronze	Ball and Bronze	Ball and Bronze	Ball and Roller	Ball-Bronze-Needle
Weight .....	36 lbs.	45 lbs.	49 lbs.	58 lbs.	79 lbs.	115 lbs.
Bailing .....	No	Power Bailing	Power Bailing	Power Bailing	Power Bailing	Power Bailing
Carburetor Control .....	Conventional	Single Knob	Single Knob	Single Knob	Single Knob	Single Knob
Main Motor Mount .....	Conventional	Hush-Spring	Hush-Spring	Hush-Spring	Conventional	Hush-Spring
Flushing Inlet .....	No	Yes	Yes	Yes	Yes	Yes
Carburetor Drain and Flush .....	No	Yes	Yes	Yes	Yes	Yes
Aquamute Exhaust .....	No	Yes	Yes	Yes	Yes	Yes
Stabilized Steering .....	Yes	Yes	Yes	Yes	Yes	Yes
Long Shaft .....	No	No	No	No	Yes	Yes
Transom Height .....	15"	15"	15"	15"	15"	15"





	<b>3065</b> Super Single	<b>3765</b> Bail-a-Matic	<b>3365</b> Bail-a-Matic	<b>3865</b> Bail-a-Matic	<b>3965</b> Bail-a-Matic	<b>3665</b> Bail-a-Matic
Speed	1-12 mph	1-16 mph	1-20 mph	1-25 mph	1-30 mph	2-42 mph
Shift	No	Full Shift	Full Shift	Full Shift	Full Shift	Full Shift
OBC Horsepower	3.6 @ 4000 r.p.m.	5.0 @ 4200 r.p.m.	7.5 @ 4200 r.p.m.	10.0 @ 4200 r.p.m.	16.0 @ 4200 r.p.m.	33.0 <sup>(1)</sup> @ 4200 r.p.m.
No. of Cylinders	1	2	2	2	2	2
Bore and Stroke	2 1/8" x 1 3/4"	1 11/16" x 1 9/16"	2" x 1 3/4"	2 1/8" x 2"	2 1/32" x 2 5/16"	3 1/8" x 2 3/4"
Piston Displacement	6.23 Cu. In.	7.48 Cu. In.	11.0 Cu. In.	14.82 Cu. In.	19.95 Cu. In.	42-18 Cu. In.
Gear Ratio	13-21	13-21	13-21	13-21	15-23	13-22
Prop. Dia. & Pitch (2 Blade)	7 1/2" x 6"	7 1/2" x 6"	8" x 7"	8 1/8" x 9 1/2"	9" x 10"	10" x 14"
Prop. Protection	Shear Pin	Cushion Hub	Cushion Hub	Cushion Hub	Cushion Hub	Cushion Hub
Gas Tank	Integral—8 Ft.	3 1/2 Gals. (Remote)	6 Gals. (Remote)	6 Gals. (Remote)	6 Gals. (Remote)	6 Gals. (Remote)
Recoil Starter	Recoil	Drop Pawl	Drop Pawl	Drop Pawl	Drop Pawl	Drop Pawl
Water Pump	Rotor	Vacu-matic	Vacu-matic	Vacu-matic	Vacu-matic	Vacu-matic
Carburetor	Side Bowl	Concentric Bowl	Concentric Bowl	Concentric Bowl	Concentric Bowl	Concentric Bowl
<b>Bearings:</b>						
Top Main	Bronze	Needle	Bronze	Needle	Needle	Roller
Center Main		Bronze	Bronze	Bronze	Roller	Roller
Lower Main	Bronze	Needle	Bronze	Needle	Needle	Roller
Crankpin	Needle	Needle	Needle	Needle	Needle	Roller
Wrist Pin	Bronze	Bronze	Bronze	Bronze	Bronze	Needle
Lower Unit	Bronze	Ball and Bronze	Ball and Bronze	Ball and Bronze	Roller-Bronze-Needle	Roller-Bronze-Needle
Weight	36 lbs.	45 lbs.	49 lbs.	58 lbs.	75 lbs.	130 lbs.
Bailing	No	Power Bailing	Power Bailing	Power Bailing	Power Bailing	Power Bailing
Carburetor Control	Conventional	Single Knob	Single Knob	Single Knob	Separate Choke	Separate Choke
Main Motor Mount	Conventional	Hush-Spring	Hush-Spring	Hush-Spring	Hush-Spring	Hush-Spring
Flushing Inlet	No	Yes	Yes	Yes	Yes	Yes
Carburetor Drain and Flush	No	Yes	Yes	Yes	Yes	Yes
Aquamute Exhaust	No	Yes	Yes	Yes	Yes	Yes
Stabilized Steering	Yes	Yes	Yes	Yes	Yes	Yes
Long Shaft	No	No	No	No	Yes	Yes
Transom Height	15"	15"	15"	15"	15"	15"
Tilt Lock	No	Yes	Yes	Yes	Yes	Yes



## SCOTT-ATWATER SERVICE MANUAL

### SECTION B - ADJUSTMENTS AND TUNE-UP

#### CONTENTS

	Page
MAIN CARBURETOR KNOB	1
CHOKE	1
SYNCHRONIZATION OF SPARK AND THROTTLE	1
SYNCHRONOUS CONTROL SETTINGS	1
TILT ADJUSTMENT	2
SPEED CONTROL LEVER TENSION	3
LIMITER ROD - '49 MODELS	3
LIMITER ROD - '50 MODELS	4
RUNNING TEST	4
AVERAGE RPM'S OF ENGINES	4A
SYNCHRONIZATION ON 10 AND 16 H. P. MODELS	5
SYNCHRONIZATION ON 30 AND 33 H. P. MODELS	5A
FLAT RATE LABOR CHARES	6
TROUBLE SHOOTING	P1 and P2
GASKET SETS	Begin P3



## ADJUSTMENT AND TUNE UP (Except Ignition)

A large percentage of service work deals with making the simple adjustments described on these pages. It's important to be familiar with these adjustments - motor tune up is easy when you know just what to look for and what to do about it.

### MAIN CARBURETOR KNOB

The main carburetor knob should be installed so that the stop pin on the knob rests on the under side of the knob stop when the jet is closed. To effect this: remove the knob and, using a screwdriver, screw the needle in until lightly seated and then replace the knob with the pin on the under side of the knob stop. Adjust the tension on the knob by tightening or loosening the packing nut.

### CHOKE

The choke actuating assembly should be checked to see that it completely closes when operated to insure a fully enriched charge of fuel when starting. During normal operation, the choke should be fully open. On the '46 and '47 models, check to see that the choke shutter seats flatly against the choke bracket and the soldered joint is solid between the shutter and choke shaft.

### SYNCHRONIZATION OF SPARK AND THROTTLE

When the speed control lever is moved toward the "Fast" position, the ignition timing is being advanced and the throttle opening must be increased at the same time. The correct synchronization is accomplished when the throttle shutter is just beginning to open when the center of the speed control lever has reached the position given in the table below. All measurements in the table are based on center of throttle lever and center of motor. For example, "5° retard" means that the center of the throttle lever should be retarded to a point 5° from the center of the motor for correct synchronization.

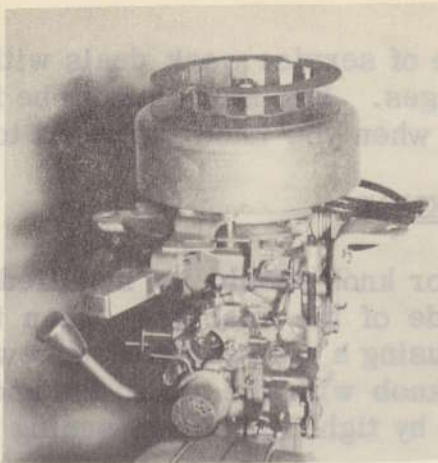
### SYNCHRONOUS CONTROL SETTINGS

Degrees retard (i. e. distance the center of control lever should be from center of motor towards "Slow") at point throttle shutter begins to open.

Model	Degrees Retard	Inches on Flywheel	Inches on Gas Tank	Model	Degrees Retard	Inches on Flywheel	Inches on Gas Tank
461 & 467 470 & 471	6-1/2 to 8	3/8 to 15/32	23/32 to 7/8	493	10	9/16	1-1/8
473	3-1/2 to 5	3/16 to 9/32	3/8 to 9/16	500	5	9/32	9/16
480 & 481	5	9/32	9/16	501 & 507	15	27/32	1-11/16
483	7-1/2	7/16	27/32	503	10	9/16	1-1/8
491	5	9/32	9/16	508			
497	15	27/32	1-11/16	509			



Setting the position of the speed control lever is not critical. For example, here are a couple short-cuts you may want to use. To set it at 5 degrees, place the lever so that its left (port side) edge is lined up over the right edge of the idle adjustment screw (or choke shaft on '46 and '47 models.) To set it at 15 degrees, place the lever so that the step on the limiter cam is lined up with the follower assembly. Other settings can be approximated, using these two settings as a guide. The handle can also be set by making a mark on the gas tank or flywheel when the handle is in the center position, measuring off the required distance (see preceding table) to the starboard, and then moving the center of the handle to the new mark.

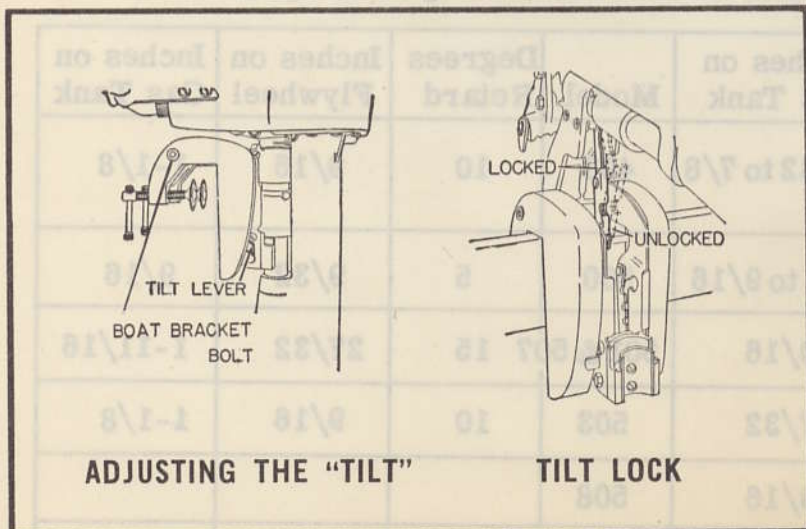


Correct position of speed control handle for 15° synchronization.

After the speed control handle has been set according to the above, adjust the linkage so that the throttle shutter is just beginning to open. Check to see that the throttle opens wide at full speed and that there is no interference with the linkage. Synchronization on models 461, 467, 470 and 471, equipped with the AJ-16A carburetor, is achieved by adjusting the synchronous control lever on the throttle shaft so that the pin on the magneto stator plate just misses the foot of the control lever as the magneto is being advanced.

Some motors act differently so that it is necessary to synchronize them according to how they run. If a motor idles well, but, as the speed control lever is advanced, runs roughly, set the synchronization so that the throttle will open sooner. The best way to set the synchronization is to run the motor in a tank and check to see that there is a smooth flow of power all through the speed range. The carburetor throttle shutter must close and seat tightly in the throat when motor is running in idling range.

### TILT FRICTION ADJUSTMENT



Set the tilt friction by tightening or loosening the boat bracket bolt which runs through the boat brackets and pivot brackets.

Check to see that there is enough friction so the motor will begin to hold itself as it nears the position of greatest tilt. If the adjustment is too tight, it will not allow the motor to tilt up upon striking an obstruction. Also check the tilt stop to see that the motor can be locked in the tilted position.



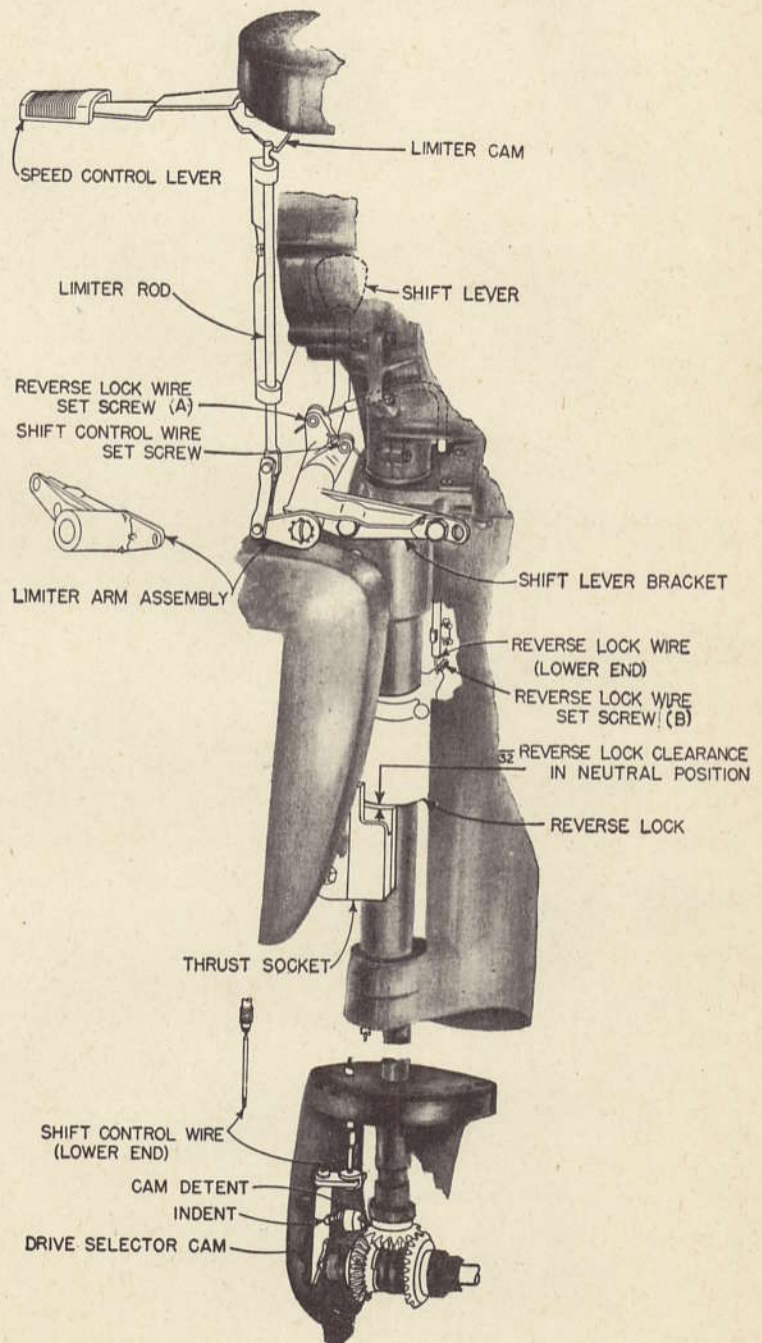
## SPEED CONTROL LEVER TENSION (Except 509)

Tighten or loosen the tension screw on the under side of the stator plate to the point where the lever holds any setting while the motor is running and still moves freely without binding.

## LIMITER ROD - MODELS 491, 497, 493

The function of the limiter rod is to limit the speed of the engine in neutral and reverse and to prevent shifting at too high a speed. If it is out of adjustment, first check the pin on the limiter arm assembly to see that it is midway between the two stops on the shift lever bracket when in neutral. If not, loosen the shift lever bracket and move it up or down to the correct position and tighten. If further adjustment is needed, place the gearshift handle in neutral (you can feel the detent engage the indent in the drive selector cam) loosen the set screw that holds the shift control wire and move the gearshift handle until the limiter cam engages the center of the top notch in the limiter rod. Tighten the set screw again and check to see that the limiter cam will engage the second notch when in reverse. Use a No. 8 Bristol Multiple Spline Wrench, or a 5/64" Allen Wrench. \*

The reverse lock should clear the thrust socket by 1/32" when the gearshift handle is in neutral. If not, loosen the reverse lock wire set screw (B), move the lock to the correct position and tighten the set screw.

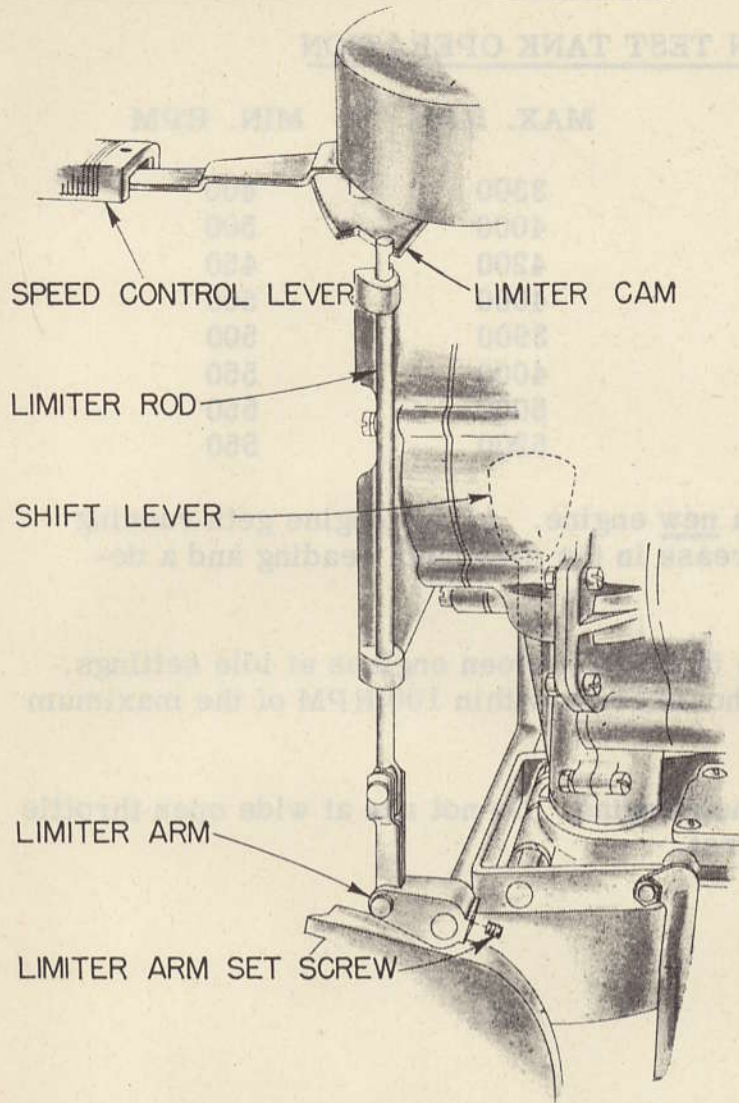


1949 Shift Controls

\*To remove Limiters see Sect. H.



LIMITER ROD - MODELS 501, 507, 503



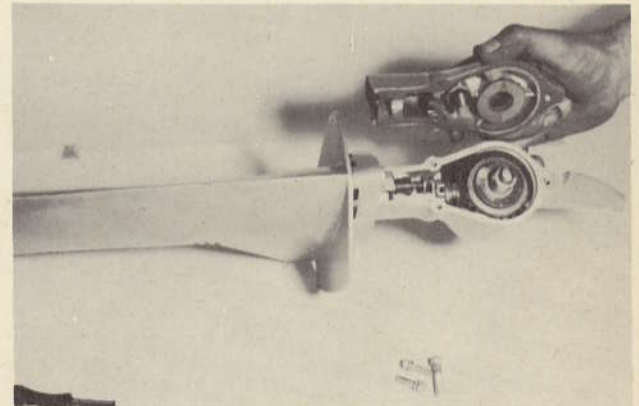
Place the gearshift handle in neutral, as above, and loosen the limiter arm set screw with a No. 10 Bristol Spline Wrench. Advance the speed control lever and move the limiter arm until the limiter cam engages the center of the top notch. Tighten the set screw. Retard the speed lever and shift into reverse, then check to see that the limiter cam engages the second notch in the limiter rod.

The reverse lock should clear the thrust socket by  $1/32''$  when the gearshift handle is in neutral. If it does not, remove the lower unit bearing cap and move the shift lever until the correct clearance is obtained. (Refer to Section G for Lower Unit Assembly.) Then screw the special nut on the drive selector rod up or down until the cam fork will engage the special nut without moving either the shift rod or the fork out of the correct neutral position. Usually, the nut is screwed on until two or three threads on the rod show through.

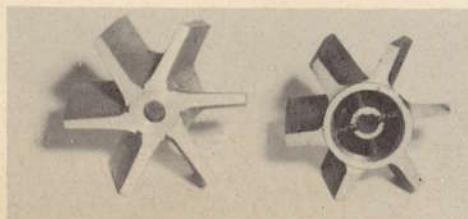
*1950 Shift Controls*

RUNNING TEST

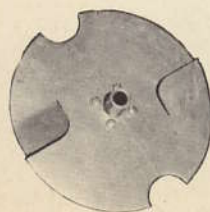
Running the motor in a test tank with the standard prop does not allow the motor to operate as it would on a boat. For correct and true engine check out, the following size test props are recommended:  $3 \frac{1}{4}''$  for the 3.6 & 4 HP,  $3 \frac{13}{16}''$  for the 5 HP,  $3 \frac{7}{8}''$  for the  $7 \frac{1}{2}$  HP,  $4 \frac{1}{8}''$  for the 10 HP,  $9 \frac{1}{16}''$  for the 16 HP, and  $6 \frac{7}{8}''$  for the 30 HP.



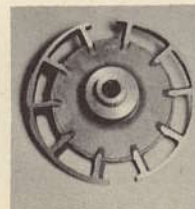
*Testing for correct Reverse Lock Clearance on '50 models.*



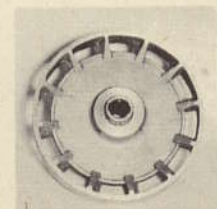
*Test Tank Propeller, front and rear view  
5— $7 \frac{1}{2}$ —10 HP*



*16 HP  
Through 1955*



*16 HP  
1956*



*30-33 HP*



## AVERAGE RPM's EXPECTED IN TEST TANK OPERATION

MODEL	TYPE PROP	MAX. RPM	MIN. RPM
3.6	Stock Prop	3300	400
5.0	Test Prop	4000	500
7.5	Test Prop	4200	450
10.0	Test Prop	4000	500
16 - '50 to '55	Test Prop	3900	500
16 - '56	Test Prop	4000	550
30	Test Prop	5000	550
33	Test Prop	5200	550

These readings are average for a new engine. As the engine gets running time on it there should be an increase in the maximum reading and a decrease in the minimum.

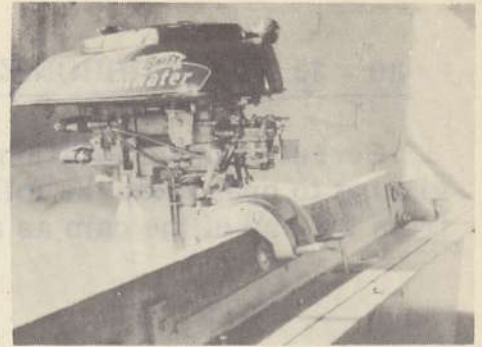
There will be a deviation of up to 50 RPM between engines at idle settings. At wide open throttle an engine should come within 100 RPM of the maximum RPM listed or be above this.

Consideration should be given a new engine. Do not run at wide open throttle except for an occasional short burst.



With the motor running at full speed, adjust the main carburetor knob until it runs best. Check the water pump discharge volume and temperature. The water discharge should not be so hot that you cannot hold your hand under it. Check the entire motor for leaks due to loose parts or blown gaskets.

If the motor will not maintain a setting, but turns when running, tighten the steering tension screws on the motor pivot bracket.



*Test tank running test a "must" for good service.*

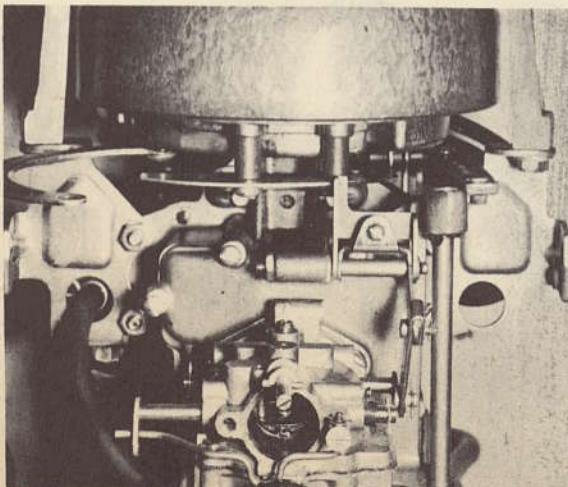
Adjust the carburetor as follows: Warm the motor up a moment, place shift in forward, and check the setting of the Carburetor Knob at FAST position. Then slow the motor down to its slowest possible speed. If it coughs at slow speed, the mixture is too lean - turn the idle adjustment screw clockwise to a slightly richer setting. If the mixture is too rich, the motor will run roughly, smoke excessively, or stop. Turn the adjustment to a slightly leaner setting (counter-clockwise). The correct adjustment will lie approximately between 1/2 and 3/4 of a turn open from the fully closed (clockwise) position.

With the motor running in the shifting zone, shift into neutral and reverse. Check to see that the speed control lever can be moved approximately to the start position in reverse and neutral.

#### SYNCHRONIZATION OF SPARK AND THROTTLE ON 10 AND 16 HP MODELS

MODEL	CARBURETOR	DEGREES RETARD	INCHES ON FLYWHEEL	INCHES ON TANK
518	MD-48 A or AB	12° - 15°	11/16 - 27/32	1 3/8 - 1 11/16
518	MD-48 B	15° - 20°	27/32 - 1 1/8	1 11/16 - 2 1/4
509	MD-43 A	12°	3/4	* 1 1/8
519	MD-43 B	3° - 5°	3/16 - 5/16	* 9/32 - 15/32

\* Measure on the face of the plastic window for 16 HP model

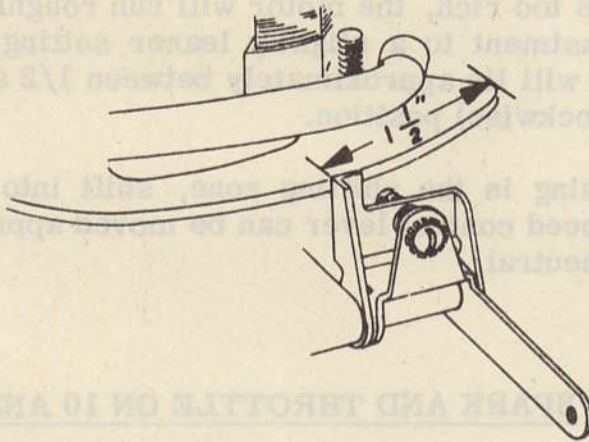


Correct Synchronization is accomplished on all motors through 10 HP if the throttle shutter is just beginning to open when the follower assembly and control cam make contact at point shown. The follower makes contact approximately in line with the first screw on the stator plate cam, and should be "worked in" for best performance (see photo).



### 30 - 33 HP SYNCHRONIZATION OF SPARK AND THROTTLE

Correct synchronization is accomplished where the throttle shutter is just beginning to open when the follower assembly and control cam make contact at 1-1/2" from the end of the cam as shown.



### SYNCHRONIZATION OF SPARK AND THROTTLE ON 10 AND 16 HP MODELS

MODEL	CARBURETOR	DEGREES RETARD	INCHES ON FLYWHEEL	INCHES ON TANK
518	MD-48 A or AB	12° - 15°	11/16 - 27/32	1 5/8 - 1 11/16
518	MD-48 B	15° - 20°	27/32 - 1 1/8	1 11/16 - 2 1/8
509	MD-48 A	12°	3/4	1 1/8
519	MD-48 B	3° - 5°	2/16 - 5/16	1 5/32 - 15/32

\* Measure on the top of the plastic window for 16 HP model.

Correct synchronization is accomplished on all motors through 10 HP if the throttle shutter is just beginning to open when the follower assembly and control cam make contact at point shown. The follower makes contact approximately in line with the first screw on the stator plate cam, and should be worked in for best performance (see photo).



SUGGESTED FLAT RATE LABOR CHARGE - HOURS : MINUTES

Scott - Atwater Motors  
- 1946 thru 1955 -

First column - Disassemble and assembly time to get at part in question.  
Second column - Repairing or replacing time.

REPAIRS TO BE COMPLETED	3.6 HP		4.0 HP		5.0 HP		7.5 HP		10 HP		16 HP		30 HP	
	:10	:05	:10	:05	:10	:05	:10	:05	:10	:05	:10	:05	:20	:30
Starter - Repair	:10	:05	:10	:05	:10	:05	:10	:05	:10	:05	:10	:05	:20	:30
Skirts - Remove	:15		:15		:15		:15		:15		:30		:10	
16 HP Hood window											1:00	:15		
16 HP Handle assembly											1:00	:30		
Gas tank - clean	:30	:15	:30	:15	:30	:15	:30	:15	:30	:15		:30		:30
Clean and adjust magneto	:45	:15	:45	:15	:45	:15	:45	:15	:45	:15	:45	:15	:45	:15
Replace coil, condenser or points	:45	:30	:45	:30	:45	:30	:45	:30	:45	:30	:45	:30	:45	:30
Spark plugs - replace or clean	:10	:05	:10	:05	:10	:05	:10	:05	:10	:05	:10	:05	:15	:10
Cylinder head - replace or gasket	:30	:15	:30	:15	:30	:15	:30	:15	:30	:15	:30	:15	:30	:10
Block - Replace	:30	:30	:30	:30	2:30		:30	:45	:30	:45	:30	1:30	5:00	:45
Intake cover plates	:30	:15	:30	:15	:15	:15	:15	:15	:15	:15	:15	:15	:15	:15
Exhaust cover plates					:15	:15	:15	:15	:15	:15	:15	:30	:30	:30
Pistons	:45	:15	:45	:15	2:30		1:15	:15	1:15	:15	2:00	:15	5:00	:30
Rods	1:00	:30	1:00	:30	3:00		1:00	1:00	1:00	1:00	3:00	1:00	5:00	:30
Crankshaft	2:00		2:00		3:00		2:30		2:30		4:00		5:00	
Top bearing assembly					1:00	:45			1:00	:45	1:00	:45	4:00	
Center bearing assembly					2:15	:15			2:15	:15	3:15	:30	4:00	
Bottom bearing assembly					2:30	:15			2:30	:15	3:00	:15	4:00	
Crankcase or gaskets - replace	2:00		2:00		3:00		3:00	:15	3:00	:15	3:00	1:00	5:00	1:00
Reed valves	:30	:15	:30	:15	:30	:15	:30	:15	:30	:15	:45	:15	1:00	:20
Manifold	:15	:15	:15	:15	:15	:15	:15	:15	:15	:15	:30	:15	:30	:15
Carburetor cleaning	:15	:15	:15	:15	:15	:15	:15	:15	:15	:15	:30	:15	:30	:15
Boat bracket	:15	:15	:15	:15	:15	:15	:15	:15	:15	:15	:15	:15	:20	:20
Pivot bracket	:15	:15	1:00	:30	1:00	:30	1:30	:30	1:30	:30	1:45	:30	:20	:30
Tilt assembly	:15	:15	:15	:15	:15	:15	:15	:15	:15	:15	:15	:15		
Pivot tube	1:00	:15	1:00	:30	1:00	:30	1:00	:30	1:00	:30	1:15	:30	2:00	:15
Lower motor casing	1:00	:30	1:30	:30	1:30	:30	1:30	:30	1:30	:30	1:30	:30	:30	1:00
Water Line - Replace or clean	:15	:10	:15	:10	:15	:10	:15	:10	:15	:10	:30	:10	1:00	:30
Water pump - Replace	:10	:10	:15	:10	:15	:10	:15	:10	:30	:15	:30	:30	:30	:15
Gears - Replace	:15	:15	:15	:30	:15	:30	:15	:30	:30	:30	1:00	1:00	1:30	:20
Propeller - Repair	:10	:15	:10	:15	:10	:15	:10	:15	:10	:15	:10	:15	:10	:10
Grease seal - Replace	:10	:10	:10	:10	:10	:10	:10	:10	:10	:10	:15	:10	:20	:10
Lower unit bearings - Replace	:30	:30	:30	:45	:30	:45	:30	:45	:30	1:00	1:00	1:00	2:00	1:00
Shift rod - Replace			:30	:15	:30	:15	:30	:15	:45	:30	1:00	:15	1:00	:15
Remote control installation							2:00		2:00		2:00		:10	
Fuel pump installation					1:00		1:00		1:00				:10	:10
Two way valve installation					1:00		1:00		1:00					
Rebuild Hornet lower unit											2:00			
Refinish	2:00		2:00		2:00		2:00		2:00		2:00		2:00	
Test run	:30		:30		:30		:30		:30		:30		:30	
Demonstration	1:00		1:00		1:00		1:00		1:00		1:00		1:00	
1949 Shift conversion			2:00		2:00		2:00							
Salt water slip clutch prop.			:30		:30		:30		:30					
Tiller bar installation	:15		:15		:15		:15		:15		:15			

NOTE: Times shown on above chart are based on an average and will vary from year to year according to model.



# Trouble shooting made easy

## WHAT TO LOOK FOR FIRST

There is nothing difficult in servicing an outboard motor *if you know what to look for*. Look for gasoline or ignition troubles when your motor won't run, or won't run just right. These ailments—in any type of gasoline engine—occur much more frequently than any others. So it makes sense to make sure first that the motor is getting gas and that the ignition system is functioning properly.

If you have no obvious fuel or ignition problem, but your motor still won't perform as it should, check over the check chart below. In nearly every case, it will help you find the trouble.

## MOTOR CHECK CHART

### PROBLEM

### PROBABLE CAUSES

#### MOTOR WON'T START, OR MISSES

#### FUEL

- |  |                                     |
|--|-------------------------------------|
| Empty gas tank                             | or fuel line                        |
| Motor not choked                           | Too much oil mixed with gasoline    |
| Dirt or water in carburetor, tank, filter, | Crankcase or intake gaskets leaking |

#### IGNITION

- |  |   |
|--|---|
| Disconnected, loose, or broken spark plug wire           | of spark plugs cracked or dirty                             |
| Spark plugs improperly gapped or dirty (.035 is correct) | Magneto points improperly gapped or dirty (.020 is correct) |
| Porcelain insulation on outside or inside                | Magneto coils or condensers weak                            |



**PROBLEM****PROBABLE CAUSES****MOTOR WON'T IDLE SMOOTHLY AND SLOWLY**

Carburetor idling adjustment not properly set

Check also under "Motor Won't Start, or Misses"

Motor too deep in water (proper height of boat transom: 15")

**MOTOR LOSES POWER OR SLOWS DOWN**

Carburetor Knob set too lean (backfires and slows down)

Too much oil in gas (will not affect full speed operation, but causes motor to run roughly and slow down at slower speeds)

Carburetor Knob set too rich (runs roughly and slows down)

Gas line or filter clogged or dirty

Not enough oil in gas (motor overheats and slows down)

Poor compression: scored cylinders; rings stuck in grooves; gaskets leaking or blown

**MOTOR VIBRATES EXCESSIVELY**

Carburetor Knob set too rich

Steering tension improperly adjusted

Boat clamp screws loose

Bent, broken, or fouled propeller

Pivot bracket loose

Check also under "Motor Won't Start, or Misses"

**MOTOR KNOCKS**

Propeller nut loose

Motor overheating, causing pre-ignition (see "Motor Overheats")

Flywheel nut loose

Starter not properly centered

Carbon in cylinders (too much oil, or wrong kind, in fuel causes rapid formation)

Worn bearings, pistons, cylinders, or loose rods

**MOTOR STIFFENS UP OR "FREEZES"**

Rust on cylinder walls, rings or crankshaft (caused by raising Lower Unit higher than Power Head, allowing water to run into Power Head through exhaust ports)

Fishline wound around propeller shaft inside propeller hub

No lubrication in Lower Unit gear housing

Bent propeller, driveshaft, or propeller shaft

Not enough oil in fuel

Overheating (see "Motor Overheats")

**MOTOR RUNS WITHOUT TURNING PROPELLER**

Shift lever in neutral

Propeller shaft or driveshaft broken

Propeller shear pin broken

**MOTOR RUNS BUT BOAT SCARCELY MOVES**

Weeds caught on Lower Unit, causing cavitation

Rope or other obstruction dragging

Motor not deep enough in water, causing cavitation

Propeller clutch slipping

Propeller blades bent

**MOTOR OVERHEATS**

(water jacketed portion of cylinder block too hot to touch)

Water pump inlet clogged

Water pump clogged or worn

Water line leading or broken

Motor not deep enough in water. (Proper height of boat transom: 15". Never run motor out of water. Do not run motor in a barrel so long that water becomes hot.)

Gasket between Power Head and exhaust casing blown



GASKETS - 461 - 467

Part Number	Description
462-607	Gasket - Float Bowl Drain Plug
462-612	Gasket - Idle Tube
462-615	Gasket - Inlet Seat
462-620	Gasket - Main Adjustment Screw
462-633	Gasket - Float Cover
462-1601	Gasket - Gas Tank Cap
462-1864	Gasket - Crankcase
462-1872	Gasket - Reed Valve Plate
462-1874	Gasket - Carburetor Flange

Part Number	Description
462-1882	Gasket - Cylinder Head
462-1885	Gasket - Cylinder Flange
462-1890	Gasket - Carburetor Adaptor
462-2423	Gasket - Cylinder Exhaust Flange
461-2424	Gasket - Lower Motor Casing Cover Plate
462-3112	Gasket - Lower Unit Grease Plug
463-3115	Gasket - Lower Unit Bearing Cap

GASKETS - 470 - 471

Part Number	Description
462-607	Gasket - Float Bowl Drain Plug
462-612	Gasket - Idle Tube
462-615	Gasket - Inlet Seat
462-620	Gasket - Main Adjustment Screw
462-633	Gasket - Float Cover
462-1601	Gasket - Gas Tank Cap
462-1864	Gasket - Crankcase
462-1872	Gasket - Reed Valve Plate
462-1874	Gasket - Carburetor Flange

Part Number	Description
470-1882	Gasket - Cylinder Head
462-1885	Gasket - Cylinder Flange
462-1890	Gasket - Carburetor Adaptor
470-1896	Gasket - Intake Cover Plate
470-2423	Gasket - Cylinder Exhaust Flange
461-2424	Gasket - Lower Motor Casing Cover Plate
462-3112	Gasket - Lower Unit Grease Plug
463-3115	Gasket - Lower Unit Bearing Cap

GASKETS - 473

Part Number	Description
462-607	Gasket - Float Bowl Drain Plug
462-612	Gasket - Idle Tube
462-615	Gasket - Inlet Seat
462-620	Gasket - Main Adjustment
462-633	Gasket - Float Cover
462-1601	Gasket - Gas Tank Cap
465-1872	Gasket - Reed Valve Plate
465-1874	Gasket - Carburetor Flange
465-1882	Gasket - Cylinder Head

Part Number	Description
465-1885	Gasket - Cylinder Flange
465-1890	Gasket - Intake Manifold
465-1896	Gasket - Intake Cover Plate
465-1898	Gasket - Exhaust Cover Plate
462-2423	Gasket - Cylinder
461-2424	Gasket - Lower Motor Casing Cover Plate
462-3112	Gasket - Lower Unit Grease Plug
463-3115	Gasket - Lower Unit Bearing Cap



## GASKETS - 480

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket & Packing Set
462-1601	Gasket—Gas Tank Cap
480-1644	Gasket—Gas Tank Outlet Filter
480-1645	Gasket—Gas Tank Outlet Filter Cup
462-1872	Gasket—Valve Reed Plate

Part Number	Description
480-1874	Gasket—Carburetor Flange
470-1882	Gasket—Cylinder Head
462-1885	Gasket—Cylinder Flange
462-1890	Gasket—Carburetor Adaptor
470-1896	Gasket—Intake Cover Plate
470-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
462-3112	Gasket—Lower Unit Grease Plug
463-3115	Gasket—Lower Unit Bearing Cap

## GASKETS - 481

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket & Packing Set
481-1601	Gasket—Gas Tank Cap
480-1644	Gasket—Gas Tank Outlet Filter
480-1645	Gasket—Gas Tank Outlet Filter Cup
462-1872	Gasket—Valve Reed Plate

Part Number	Description
480-1874	Gasket—Carburetor Flange
470-1882	Gasket—Cylinder Head
462-1885	Gasket—Cylinder Flange
462-1890	Gasket—Carburetor Adaptor
470-1896	Gasket—Intake Cover Plate
470-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
462-3112	Gasket—Lower Unit Grease Plug
463-3115	Gasket—Lower Unit Bearing Cap

## GASKETS - 483

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket & Packing Set
481-1601	Gasket—Gas Tank Cap
480-1644	Gasket—Gas Tank Outlet Filter
480-1645	Gasket—Gas Tank Outlet Filter Cup
465-1872	Gasket—Valve Reed Plate
480-1874	Gasket—Carburetor Flange

Part Number	Description
465-1882	Gasket—Cylinder Head
465-1885	Gasket—Cylinder Flange
465-1890	Gasket—Intake Manifold
465-1896	Gasket—Intake Cover Plate
465-1898	Gasket—Exhaust Cover Plate
462-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
462-3112	Gasket—Lower Unit Grease Plug
463-3115	Gasket—Lower Unit Bearing Cap



**GASKETS - 491**

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
462-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
491-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
480-1644	Gasket—Gas Tank Outlet Filter
490-1645	Gasket—Gas Tank Outlet Filter Cup

Part Number	Description
462-1864	Gasket—Crankcase
462-1872	Gasket—Valve Reed Plate
480-1874	Gasket—Carburetor Flange
470-1882	Gasket—Cylinder Head
462-1885	Gasket—Cylinder Flange
491-1890	Gasket—Carburetor Adaptor
463-1893	Pivot Tube Seal Ring
470-1896	Gasket—Intake Cover Plate
470-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
493-3115	Gasket—Lower Unit Bearing Cap
493-4336	Seal Sleeve—Shift Wire Casing

**GASKETS - 497**

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
462-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
497-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
480-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
497-1872	Gasket—Valve Reed Plate

Part Number	Description
480-1874	Gasket—Carburetor Flange
497-1882	Gasket—Cylinder Head
497-1890	Gasket—Intake Manifold
463-1893	Pivot Tube Seal Ring
497-1896	Gasket—Intake Cover Plate
497-1898	Gasket—Exhaust Cover Plate
497-1912	Gasket—Magneto Mount Bearing Cage
497-1918	Gasket—Water Cover Plate
462-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
493-3115	Gasket—Lower Unit Bearing Cap
493-4336	Seal Sleeve—Shift Wire Casing

**GASKETS - 493**

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
462-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
491-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
480-1644	Gasket—Gas Tank Outlet Filter
490-1645	Gasket—Gas Tank Outlet Filter Cup

Part Number	Description
462-1872	Gasket—Valve Reed Plate
480-1874	Gasket—Carburetor Flange
465-1882	Gasket—Cylinder Head
465-1885	Gasket—Cylinder Flange
465-1890	Gasket—Intake Manifold
463-1893	Pivot Tube Seal Ring
465-1896	Gasket—Intake Cover Plate
465-1898	Gasket—Exhaust Cover Plate
462-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
493-3115	Gasket—Lower Unit Bearing Cap
493-4336	Seal Sleeve—Shift Wire Casing



## GASKETS - 500

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket & Packing Set
481-1601	Gasket—Gas Tank Cap
480-1644	Gasket—Gas Tank Outlet Filter
490-1645	Gasket—Gas Tank Outlet Filter Cup
462-1872	Gasket—Valve Reed Plate

Part Number	Description
480-1874	Gasket—Carburetor Flange
470-1882	Gasket—Cylinder Head
462-1885	Gasket—Cylinder Flange
491-1890	Gasket—Carburetor Adaptor
470-1896	Gasket—Intake Cover Plate
470-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
462-3112	Gasket—Lower Unit Grease Plug
463-3115	Gasket—Lower Unit Bearing Cap

## GASKETS - 501

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
462-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
501-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup

Part Number	Description
462-1864	Gasket—Crankcase
462-1872	Gasket—Valve Reed Plate
480-1874	Gasket—Carburetor Flange
470-1882	Gasket—Cylinder Head
462-1885	Gasket—Cylinder Flange
491-1890	Gasket—Carburetor Adaptor
463-1893	Pivot Tube Seal Ring
470-1896	Gasket—Intake Cover Plate
470-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
503-3115	Gasket—Lower Unit Bearing Cap

## GASKETS - 507

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
462-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
507-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
497-1872	Gasket—Valve Reed Plate

Part Number	Description
480-1874	Gasket—Carburetor Flange
497-1882	Gasket—Cylinder Head
497-1890	Gasket—Intake Manifold
463-1893	Pivot Tube Seal Ring
497-1896	Gasket—Intake Cover Plate
497-1898	Gasket—Exhaust Cover Plate
497-1912	Gasket—Magneto Mount Bearing Cage
497-1918	Gasket—Water Cover Plate
462-2423	Gasket—Cylinder Exhaust Flange
462-2424	Gasket—Lower Motor Casing Cover Plate
503-3115	Gasket—Lower Unit Bearing Cap

## GASKETS - 503

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
462-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
503-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup

Part Number	Description
465-1872	Gasket—Valve Reed Plate
480-1874	Gasket—Carburetor Flange
465-1882	Gasket—Cylinder Head
465-1885	Gasket—Cylinder Flange
465-1890	Gasket—Intake Manifold
463-1893	Pivot Tube Seal Ring
465-1896	Gasket—Intake Cover Plate
465-1898	Gasket—Exhaust Cover Plate
462-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
503-3115	Gasket—Lower Unit Bearing Cap
5017-4336	Seal Sleeve—Shift Wire Casing



## GASKETS - 518 (Early)

Part Number	Description
508-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
509-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
508-671	Complete Carburetor Gasket and Packing Set (508-612 thru 480-633)
508-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
501-1644	Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
497-1809	"O" Ring Shift Rod

Part Number	Description
508-1872	Gasket—Valve Reed Plate
465-1874	Gasket—Carburetor Flange
508-1882	Gasket—Cylinder Head
508-1885	Gasket—Cylinder Flange
508-1890	Gasket—Intake Manifold
508-1893	Pivot Tube Seal Ring
465-1896	Gasket—Intake Cover Plate
465-1898	Gasket—Exhaust Cover Plate
508-2423	Gasket—Cylinder Exhaust Flange
508-2424	Gasket—Lower Motor Casing Cover Plate
503-3115	Gasket—Lower Unit Bearing Cap
508-3185	Seal Ring—Pump Cavity
508-3186	Seal Ring—Drive Shaft
508-3191	Seal Ring—Pump Housing
5017-4336	Seal Sleeve—Shift Wire Casing
509-4385	Seal Ring—Lower Unit

## GASKETS - 509

Part Number	Description
509-1601	Gasket—Gas Tank Cap
509-1872	Gasket—Reed Valve Plate
509-1874	Gasket—Carburetor Flange
509-1882	Gasket—Cylinder Head
509-1885	Gasket—Cylinder Flange
509-1890	Gasket—Intake Manifold
509-1896	Gasket—Intake Cover Plate
509-1898	Gasket—Exhaust Cover Plate
509-1918	Gasket—Water Cover Plate
509-1930	"O" Ring Magneto Mount

Part Number	Description
509-2423	Gasket—Cylinder Exhaust Flange
509-2424	Gasket—Lower Motor Casing Cover Plate
509-3179	Seal Ring—Pinion Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3184	Seal Ring—Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity
509-3191	Seal Ring—Lower Pump Housing
509-5503	"O" Ring Water Line

## GASKETS - 510

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket & Packing Set
462-1601	Gasket—Gas Tank Cap
480-1644	Gasket—Gas Tank Outlet Filter
480-1645	Gasket—Gas Tank Outlet Filter Cup
462-1872	Gasket—Valve Reed Plate

Part Number	Description
480-1874	Gasket—Carburetor Flange
470-1882	Gasket—Cylinder Head
462-1885	Gasket—Cylinder Flange
462-1890	Gasket—Carburetor Adaptor
470-1896	Gasket—Intake Cover Plate
470-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
462-3112	Gasket—Lower Unit Grease Plug
463-3115	Gasket—Lower Unit Bearing Cap

## GASKETS - 511

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
462-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
501-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup

Part Number	Description
462-1864	Gasket—Crankcase
462-1872	Gasket—Valve Reed Plate
480-1874	Gasket—Carburetor Flange
470-1882	Gasket—Cylinder Head
462-1885	Gasket—Cylinder Flange
491-1890	Gasket—Carburetor Adaptor
463-1893	Pivot Tube Seal Ring
470-1896	Gasket—Intake Cover Plate
470-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
503-3115	Gasket—Lower Unit Bearing Cap



## GASKETS - 517

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
462-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
507-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
497-1872	Gasket—Valve Reed Plate

Part Number	Description
480-1874	Gasket—Carburetor Flange
497-1882	Gasket—Cylinder Head
497-1890	Gasket—Intake Manifold
463-1893	Pivot Tube Seal Ring
497-1896	Gasket—Intake Cover Plate
497-1898	Gasket—Exhaust Cover Plate
497-1912	Gasket—Magneto Mount Bearing Cage
497-1918	Gasket—Water Cover Plate
462-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
503-3115	Gasket—Lower Unit Bearing Cap

## GASKETS - 513

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
462-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
503-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup

Part Number	Description
465-1872	Gasket—Valve Reed Plate
480-1874	Gasket—Carburetor Flange
465-1882	Gasket—Cylinder Head
465-1885	Gasket—Cylinder Flange
465-1890	Gasket—Intake Manifold
463-1893	Pivot Tube Seal Ring
465-1896	Gasket—Intake Cover Plate
465-1898	Gasket—Exhaust Cover Plate
462-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
503-3115	Gasket—Lower Unit Bearing Cap

## GASKETS - 518

Part Number	Description
508-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
509-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
508-671	Complete Carburetor Gasket and Packing Set (508-612 thru 480-633)
518-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
501-1644	Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
497-1809	"O" Ring Shift Rod

Part Number	Description
508-1872	Gasket—Valve Reed Plate
465-1874	Gasket—Carburetor Flange
508-1882	Gasket—Cylinder Head
508-1885	Gasket—Cylinder Flange
508-1890	Gasket—Intake Manifold
508-1893	Pivot Tube Seal Ring
465-1896	Gasket—Intake Cover Plate
465-1898	Gasket—Exhaust Cover Plate
508-2423	Gasket—Cylinder Exhaust Flange
508-2424	Gasket—Lower Motor Casing Cover Plate
503-3115	Gasket—Lower Unit Bearing Cap
508-3185	Seal Ring—Pump Cavity
508-3186	Seal Ring—Drive Shaft
508-3191	Seal Ring—Pump Housing
5017-4336	Seal Sleeve—Shift Wire Casing
509-4385	Seal Ring—Lower Unit
508-5503	Seal Ring—Cylinder Block Stud

## GASKETS - 519

Part Number	Description
509-1601	Gasket—Gas Tank Cap
509-1872	Gasket—Reed Valve Plate
509-1874	Gasket—Carburetor Flange
509-1882	Gasket—Cylinder Head
509-1885	Gasket—Cylinder Flange
509-1890	Gasket—Intake Manifold
509-1896	Gasket—Intake Cover Plate
509-1898	Gasket—Exhaust Cover Plate
509-1918	Gasket—Water Cover Plate
509-1930	"O" Ring Magneto Mount

Part Number	Description
509-2423	Gasket—Cylinder Exhaust Flange
509-2424	Gasket—Lower Motor Casing Cover Plate
509-3179	Seal Ring—Pinion Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3184	Seal Ring—Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity
509-3191	Seal Ring—Lower Pump Housing
509-5503	"O" Ring Water Line



GASKETS - 3035, 3045

Part Number	Description
462-607	Float Bowl Drain Plug Gasket
462-612	Idle Tube Gasket
462-615	Inlet Seat Gasket
462-620	Main Adjustment Gasket
462-622	Main Adjusting Packing
462-633	Float Cover Gasket
462-1601	Gasket—Gas Tank Cap
462-1864	Crankcase Gasket
462-1872	Gasket—Valve Reed Plate

Part Number	Description
480-1874	Gasket—Carburetor Flange
470-1882	Gasket—Cylinder Head
462-1885	Gasket—Cylinder Flange
462-1890	Gasket—Carburetor Adaptor
470-1896	Gasket—Intake Cover Plate
470-2423	Gasket—Cylinder Exhaust Flange
462-2424	Gasket—Lower Motor Casing Cover Plate
462-5503	Gasket—Lower Unit Grease Plug
463-3115	Gasket—Lower Unit Bearing Cap

GASKETS - 3335

Part Number	Description
480-612	Idle Tube Gasket
480-615	Inlet Seat Gasket
460-620	Main Adj. Screw Gland Gasket
509-622	Main Adj. Screw Packing
480-633	Body Gasket
465-1872	Reed Valve Plate Gasket
465-1874	Carburetor Flange Gasket
465-1882	Cylinder Head Gasket

Part Number	Description
465-1885	Cylinder Flange Gasket
503-1890	Intake Manifold Gasket
461-1896	Intake Cover Plate Gasket
3825-1896	Exhaust Cover Plate Gasket
3825-2423	Cylinder Exhaust Flange Gasket
3825-2424	Lower Motor Casing Plate Cover Gasket
503-3115	Lower Unit Brg. Cap Gasket
462-5503	Grease Plug Gasket

GASKETS - 3735

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
462-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
507-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
481-1601	Gasket—Gas Tank Cap
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup

Part Number	Description
497-1872	Gasket—Valve Reed Plate
480-1874	Gasket—Carburetor Flange
497-1882	Gasket—Cylinder Head
497-1890	Gasket—Intake Manifold
463-1893	Pivot Tube Seal Ring
497-1896	Gasket—Intake Cover Plate
497-1898	Gasket—Exhaust Cover Plate
497-1912	Gasket—Magneto Mount Bearing Cage
497-1918	Gasket—Water Cover Plate
497-2423	Gasket—Cylinder Exhaust Flange
461-2424	Gasket—Lower Motor Casing Cover Plate
503-3115	Gasket—Lower Unit Bearing Cap

GASKETS - 3835

Part Number	Description
480-612	Idle Tube Gasket
480-615	Inlet Seat Gasket
460-620	Main Adj. Screw Gland Gasket
509-622	Main Adj. Screw Packing
480-633	Body Gasket
508-1872	Valve Reed Plate Gasket
3835-1882	Cylinder Head Gasket

Part Number	Description
508-1890	Intake Manifold Gasket
3835-1896	Intake Cover Plate Gasket
3835-1898	Exhaust Cover Plate Gasket
3835-1918	Water Cover Plate Gasket
3835-2423	Cylinder Exhaust Flange Gasket
503-3115	Lower Unit Brg. Cap Gasket
462-5503	Grease Plug Gasket



## GASKETS - 3935

Part Number	Description
497-1806	"O" Ring
509-1601	Gasket—Gas Tank Cap
509-1872	Gasket—Reed Valve Plate
509-1874	Gasket—Carburetor Flange
509-1882	Gasket—Cylinder Head
509-1885	Gasket—Cylinder Flange
509-1890	Gasket—Intake Manifold
509-1896	Gasket—Intake Cover Plate
509-1898	Gasket—Exhaust Cover Plate
509-1918	Gasket—Water Cover Plate

(GASKETS - 3045 P10)

## GASKETS - 3345

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
509-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
3345-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
509-1601	Gasket—Gas Tank Cap
465-1872	Gasket—Valve Reed Plate
465-1874	Gasket—Carburetor Flange

## GASKETS - 3745

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
509-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
3745-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
509-1601	Gasket—Gas Tank Cap
497-1872	Gasket—Valve Reed Plate
480-1874	Gasket—Carburetor Flange

Part Number	Description
509-1930	"O" Ring Magneto Mount
509-2423	Gasket—Cylinder Exhaust Flange
509-2424	Gasket—Lower Motor Casing Cover Plate
509-3179	Seal Ring—Pinion Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3184	Seal Ring—Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-3191	Seal Ring—Lower Pump Housing
509-5503	"O" Ring Water Line

Part Number	Description
465-1882	Gasket—Cylinder Head
465-1885	Gasket—Cylinder Flange
503-1890	Gasket—Intake Manifold
3745-1893	Seal Ring—Crankcase
465-1896	Gasket—Intake Cover Plate
3825-1898	Gasket—Exhaust Cover Plate
3825-1918	Gasket—Water Cover Plate
3825-2423	Gasket—Cylinder Exhaust Flange
3745-2424	Gasket—Lower Motor Casing
3345-3115	Gasket—Bearing Cap (.005)
3745-3115	Gasket—Bearing Cap (.015)
3845-3115	Gasket—Bearing Cap (.010)
3745-5119	Gasket—Bailer Inlet and Outlet

Part Number	Description
497-1882	Gasket—Cylinder Head
497-1890	Gasket—Intake Manifold
3745-1893	Seal Ring—Crankcase
497-1896	Gasket—Intake Cover Plate
497-1898	Gasket—Exhaust Cover Plate
3825-2423	Gasket—Cylinder Exhaust Flange
3745-2424	Gasket—Lower Motor Casing
3345-3115	Gasket—Bearing Cap (.005)
3745-3115	Gasket—Bearing Cap (.015)
3845-3115	Gasket—Bearing Cap (.010)
3745-5119	Gasket—Bailer Inlet and Outlet



## GASKETS — 3845

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
509-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
508-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
3845-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
509-1601	Gasket—Gas Tank Cap
508-1872	Gasket—Valve Reed Plate
465-1874	Gasket—Carburetor Flange

Part Number	Description
3835-1882	Gasket—Cylinder Head
508-1890	Gasket—Intake Manifold
3845-1893	Seal Ring—Crankcase
3835-1896	Gasket—Intake Cover Plate
3835-1898	Gasket—Exhaust and Water Cover Plate
3845-2423	Gasket—Cylinder Exhaust Flange
3745-2424	Gasket—Lower Motor Casing
3345-3115	Gasket—Bearing Cap (.005)
3745-3115	Gasket—Bearing Cap (.015)
3845-3115	Gasket—Bearing Cap (.010)
3745-5119	Gasket—Bailer Inlet and Outlet

## GASKETS — 3945

Part Number	Description
497-1806	"O" Ring
509-1601	Gasket—Gas Tank Cap
509-1872	Gasket—Reed Valve Plate
509-1874	Gasket—Carburetor Flange
509-1882	Gasket—Cylinder Head
509-1885	Gasket—Cylinder Flange
509-1890	Gasket—Intake Manifold
509-1896	Gasket—Intake Cover Plate
509-1898	Gasket—Exhaust Cover Plate
509-1918	Gasket—Water Cover Plate

Part Number	Description
509-1930	"O" Ring Magneto Mount
509-2423	Gasket—Cylinder Exhaust Flange
509-2424	Gasket—Lower Motor Casing Cover Plate
509-3179	Seal Ring—Pinion Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3184	Seal Ring—Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-5503	"O" Ring Water Line

(GASKETS—3055, 3065, P-10)

## GASKETS—3355, 3365

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
509-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
3355-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
3755-1601	Gasket—Gas Tank Cap
465-1872	Gasket—Valve Reed Plate
465-1874	Gasket—Carburetor Flange

Part Number	Description
465-1882	Gasket—Cylinder Head
465-1885	Gasket—Cylinder Flange
503-1890	Gasket—Intake Manifold
3745-1893	Seal Ring—Crankcase
465-1896	Gasket—Intake Cover Plate
3825-1898	Gasket—Exhaust Cover Plate
3825-1918	Gasket—Water Cover Plate
3825-2423	Gasket—Cylinder Exhaust Flange
3745-2424	Gasket—Lower Motor Casing
3745-3115	Gasket—Bearing Cap
3845-3115	Gasket—Bearing Cap
3745-5119	Gasket—Bailer Inlet and Outlet
3755-5216	Gasket—Fuel Pump Bowl



## GASKETS—3655, 3665

Part Number	Description
3655-622	Packing—Main Adj. Screw
3655-633	Gasket—Carburetor Body
3655-639	Gasket—Nozzle Boss
509-1601	Gasket—Gas Tank Cap
3755-1668	Gasket—Tilt Handle Front
3645-1674	Gasket—Tilt Handle Rear
3655-1872	Gasket—Baffle Plate
3645-1874	Gasket—Carburetor Flange
3645-1882	Gasket—Cylinder Head
3645-1885	Seal—Case to Block

Number Part	Description
3645-1890	Gasket—Intake Manifold and Reed Plate
3645-1896	Gasket—Intake Cover Plate
3645-1898	Gasket—Exhaust & Water Cover Plate
3655-1921	Gasket Set Complete (Less Carburetor Gaskets)
3645-1945	Gasket—Cylinder Head Water
3645-2424	Gasket—Lower Motor Casing
3645-3115	Seal—L. U. Bearing Cap
3645-3184	Seal—Skeg to Lower Unit
3755-5216	Gasket—Sediment Bowl

## GASKETS—3755, 3765

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
509-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
480-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
3745-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
3755-1601	Gasket—Gas Tank Cap
497-1872	Gasket—Valve Reed Plate
480-1874	Gasket—Carburetor Flange

Part Number	Description
497-1882	Gasket—Cylinder Head
497-1890	Gasket—Intake Manifold
3745-1893	Seal Ring—Crankcase
497-1896	Gasket—Intake Cover Plate
497-1898	Gasket—Exhaust and Water Cover Plate
3825-2423	Gasket—Cylinder Exhaust Flange
3745-2424	Gasket—Lower Motor Casing
3745-3115	Gasket—Bearing Cap (.015)
3845-3115	Gasket—Bearing Cap (.010)
3745-5119	Gasket—Bailer Inlet and Outlet

## GASKETS—3855, 3865

Part Number	Description
480-612	Gasket—Idle Tube
480-615	Gasket—Inlet Seat
462-620	Gasket—Main Adjustment Screw Gland
509-622	Packing—Main Adjustment Screw
480-633	Gasket—Carburetor Body
508-671	Complete Carburetor Gasket and Packing Set (480-612 thru 480-633)
3855-1921	Complete Motor Gasket Set (Less Carburetor Gaskets)
3755-1601	Gasket—Gas Tank Cap
508-1872	Gasket—Valve Reed Plate
465-1874	Gasket—Carburetor Flange

Part Number	Description
3835-1882	Gasket—Cylinder Head
508-1890	Gasket—Intake Manifold
3845-1893	Seal Ring—Crankcase
3835-1896	Gasket—Intake Cover Plate
3835-1898	Gasket—Exhaust and Water Cover Plate
3845-2423	Gasket—Cylinder Exhaust Flange
3745-2424	Gasket—Lower Motor Casing
3745-3115	Gasket—Bearing Cap
3845-3115	Gasket—Bearing Cap
3745-5119	Gasket—Bailer Inlet and Outlet
3755-5216	Gasket—Sediment Bowl

## GASKETS — 3955

Part Number	Description
497-1806	"O" Ring
3755-1601	Gasket—Gas Tank Cap
509-1872	Gasket—Reed Valve Plate
509-1874	Gasket—Carburetor Flange
509-1882	Gasket—Cylinder Head
509-1885	Gasket—Cylinder Flange
509-1890	Gasket—Intake Manifold
509-1893	Seal Ring—Crankcase
509-1896	Gasket—Intake Cover Plate
509-1898	Gasket—Exhaust and Water Cover Plate

Part Number	Description
509-1930	"O" Ring Magneto Mount
509-2423	Gasket—Cylinder Exhaust Flange
509-2424	Gasket—Lower Motor Casing Cover Plate
509-3179	Seal Ring—Pinion Bearing
509-3182	Seal Ring—Bearing Sleeve
3945-3184	Seal Ring—Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-5503	"O" Ring Water Line



## GASKETS—3965

<i>Part Number</i>	<i>Description</i>
509-671	Carburetor Gasket Set
3755-1601	Gasket—Gas Tank Cap
509-1872	Gasket—Reed Valve Plate
509-1874	Gasket—Carburetor Flange
509-1882	Gasket—Cylinder Head
509-1885	Gasket—Cylinder Flange
509-1890	Gasket—Intake Manifold
3965-1893	Seal—Crankcase
509-1896	Gasket—Intake Cover Plate
509-1898	Gasket—Exhaust and Water Plate (2)
3965-1921	Gasket Set Complete (Less Card. Gaskets)
509-1930	"O" Ring—Mag. Mount
3965-2423	Gasket—Cylinder Exhaust Flange
3745-2424	Gasket—Lower Motor Casing
3755-2459	Seal—Shift Rod

<i>Part Number</i>	<i>Description</i>
3965-3109	Seal—Prop Shaft
3965-3114	Seal—Drain and Grease Screws (2)
509-3184	Seal—Adaptor
509-3185	Seal—Pump
509-3186	Seal—Driveshaft (2)
3845-4336	Seal—Water Line—Upper and Lower (2)
3745-4385	Seal—Shift Rod Extension
3645-5112	Seal—Bearing Cap
3745-5112	Seal—Pump
3965-5112	Seal—Pump Cover Plate (2)
3745-5113	Seal—Bailer Outlet
3745-5119	Gasket—Bailer Fitting
3335-5503	Seal—Adaptor Screw
3745-5503	Seal—Bailer Inlet
3745-5703	Seal—Water Inlet Cup



# SCOTT-ATWATER SERVICE MANUAL

## SECTION C - SKIRTS, TANK AND STARTER

### CONTENTS

	Page
SKIRTS	1
Installing Duo Carrying Handle	1A
GASK TANK	2
RECOIL STARTER	3
Disassembly	3
Possible Repairs	4
Assembly	4
Installation	5
Installing Starter on Standard Models	5
Installing Cord Pulley With Snubbing Rivet	6
Drop Pawl Starter	6A
Drop Pawl Starter - 30 & 33 HP	6B
Electric Starter	6B
16 HP CARRYING AND STEERING HANDLE ASSEMBLY	7
Repairs and Adjustments	7
TWIST GRIP ASSEMBLY - '53	8A
TWIST GRIP ASSEMBLY - '54	8B
TWIST GRIP ASSEMBLY - '55, '56	8C
SPRING MOUNT	8D
STOWAWAY GAS TANK AND HOSE	9
Installing Replacement Clamps	9
Stowaway Tank and Ferrules	9A
AUTOMATIC SHUT-OFF	10
RUBBER FUEL LINES	10
PARTS LISTS ON ALL MODELS	Begin P1



## SKIRTS, GAS TANK AND RECOIL STARTER

### SKIRTS

The skirts (or covers) around the powerhead are important not only for the appearance of the motor, but also for its protection. They are made of cast aluminum, which is ideal from the standpoint of maximum strength, minimum of noise transmission, smooth appearance and complete protection.

Skirts on '46 and '47 models are split from front to rear. To remove them, loosen two screws on each side and remove the starboard half, then the port half. On the '46 and '47 singles, the port half must be swung forward in order to clear the carrying handle.

Normal care must be taken to see that the carburetor knobs, the gas shutoff and the idle adjustment screw are not damaged when removing or replacing the skirts. The name band need not be removed.

Skirts split crosswise on '48 and later models. The rear is removed first by loosening the two thumb screws on each side and removing one screw on the back (on '49 and later models). The front half slides off the gas tank seam over the carburetor controls. Remove the screws that hold it on the inside and remove the speed control lever handle. '50 and later models have an enlarged opening that allows the skirt to be pulled off without removing this handle.

The carrying handle should be checked to see that it is tight and the steering handle held with the proper tension.

When replacing the skirts, check to see that the carburetor controls do not bind. On the Model 497, the locking device that holds the speed control lever in the off position should be held in place while installing the skirt. The simplest way to do this is to wind a fine wire around the lever, holding the lock in position. After the skirt is attached, lock the speed control lever, remove the wire and attach the handle. If trouble is experienced with the latch pin (on early 497 models only) it should be replaced with the fastening fork, Part No. 493-1672.

The skirts on the '54 Models are of two pieces, top and bottom halves. The top is detached first, by removing the starter cord knob and then the two top housing screws. (On later model '54 series, an enlarged cut-out on the skirt permits the knob to remain intact while removing the skirt). Remove the screw on each side of the lower housing and unsnap the latch on the back. By slightly spreading the split end, the housing will slide forward over the carburetor control knob and off the front.

### SNAP-OFF HOODS

Models with snap-off hoods contain no hinges or screws. Simply unsnap the clasp on each side and lift hood off. On the lower skirt, release the snap-catch at the rear, spread the skirt and slide it forward and off the front.



## REMOVAL OF 30 HP SKIRTS

Open the snaps at front and back on the center band. This will loosen the right half. Swing it outward and upward, removing this half. Remove the two screws from the tilt-up handle. Loosen the screw and washer at the center-band rear. The complete left half can then be taken off. The opening in the front portion of the tilt-up handle is suitable as a hooking point for lifting the motor.

## REMOVAL OF 1956 - 16 HP SKIRTS

The top half is made of fiberglass. It is fastened at three points (front and both sides). Unlock the three latches and lift the top up and off.

The rear half of the bottom housing is removed by taking out six screws. Four screws, adaptor to housing, and two screws holding the rear housing to the front housing.

To remove the front lower housing, remove the silencer chamber and carburetor adaptor as one piece. This is done by removing four screws, chamber to front housing, and two screws, adaptor to carburetor. Remove the carburetor. This will expose the front screw (housing to powerhead adaptor).

On electric starting engines, remove the electric harness, by removing two screws on the side, fastening the harness to the front handle. Unfasten all cable connections.

Remove the three screws holding the housing to the powerhead adaptor, and lift the housing off.

## INSTALLING DUO CARRYING HANDLE ON 1948 MODELS

On Models 481 and 483, duo carrying and steering handle are not standard equipment. The entire assembly necessary for installation can be obtained by ordering Part No. 491-3636 for the single, Part No. 493-3636 for the twin. To install, remove the skirts, and using the new handle for a pattern, mark and drill the four 1/4" holes in the sides of the skirt. On the single these holes go through a boss which is an extension of the bracket for attaching the rear half of the skirt. Bolt the handle in place (using the cast adaptor back of the skirt on 7 1/2 HP models) and tighten down the nuts over the adaptor. The old handle should then be removed.



## GAS TANK

After the skirts have been removed, the tank can be removed by disconnecting the gas lines, removing the two nuts on either side and the screw or nuts on the back. Remove the gas cap and inspect the sealing gasket and seating surfaces.

If the tank interior seems to be dirty, remove the fitting that holds the gas line connection, take the filter out, and clean out the tank with gasoline. Check the filter and clean off any accumulation of dirt. If trouble is experienced with the Model 497 in that it stops or slows down due to apparent lack of gas but the tank is still 1/4 to 1/2 full, complete the following replacement: The porous bronze fuel filter should be replaced with Part No. 501-1500. (Some types of gasoline will corrode and thus plug up the porous type filter.) It may also be necessary to replace the inlet needle and seat in the carburetor. See "Models With MD Carburetors" under Carburetion, Section D.

The tank on the '46 and '47 models is made of two pieces of lead coated sheet steel rolled and soldered together. If the tank becomes damaged so that it leaks, it can be soldered. Dents can be filled in with solder, too. If a crack develops in the bottom, solder a strip of metal over the crack. This will give a strong joint and one that will stand more strain than a simple butt joint.

On '48 and later models, the bottom is made of die cast aluminum and the top of lead coated sheet steel. The two halves are bonded together with a resilient plastic adhesive, which will maintain a seal through any usage encountered in normal operation. If the tank is damaged and develops a leak in the top, it can be soldered. But if the plastic seal is broken, it is best to replace the tank because of the difficulty in making a satisfactory seal between the die cast aluminum bottom and the steel top in the field. If the top has been dented, it is an easy matter to clean the surface and fill with solder.

Any gas tank which is badly rusted or scaly inside will clog filters and screens as well as the small ports and passages in the carburetor. If these tanks are structurally sound and do not leak they can be reclaimed and serve several additional seasons by the following method.

1. Pour all gas out of tank.
2. Take about two cups of coarse gritty sand and put into tank with about a quart of water.
3. Slosh the tank thoroughly until all scale and rust is off metal.
4. Rinse tank with clear fresh water until clean. Then dry tank thoroughly.
5. Coat inside of tank with underbody coater by pouring about a pint into tank and rotating tank until the inside is completely coated. Invert tank and permit excess coater to drain out. Allow coating to dry and reinstall tank on motor.



The tank must be installed so that it is centered around the fly-wheel at such height that the top of the ratchet pulley will project  $3/16$ " above the top of the tank. Unless the tank is installed properly, the starter will rub against the ratchet pulley. To check the gas tank height, lay a straight edge across the top of the ratchet pulley. This should measure  $3/16$  inches all the way around. If not, bend the side brackets slightly to obtain the correct measurement. Center the tank when installing the recoil starter.



*Measuring gas tank height.*

### RECOIL STARTER

The automatic recoil starter is of the spring type and has been perfected to the point where very little service is necessary. The rope should be checked, and if worn, replaced.

### DISASSEMBLY

1. Remove the starter by loosening the three screws around the outside edge of the housing. The light aluminum cover on '46 and early '47 models must first be removed.
2. Pry out the cap from the end of the knob, untie the knot and pull the knob off.
3. Relieve the tension by allowing the pulley to wind up the cord. Limit the speed at which the cord is wound up by braking against the inner pulley.
4. Remove the snap cap from the top of the housing and remove the pivot bolt nut and lockwasher. The entire mechanism will then be released from the housing.

**Caution:** '50 and later models are equipped with a housing that incorporates the spring retainer. When disassembling, hold the mechanism facing away from you because the spring may accidentally unwind when the inner mechanism is removed.

5. Pry the spring retainer off the pivot bolt and pull the pivot bolt out of the pulley.
6. Remove the spring from the retainer by starting the inner end out, being careful to hold it away from you. Limit the speed at which the spring unwinds.



**Possible Repairs** If the starter does not work properly, check the following points:

1. Cord frayed, broken or binding in pulley.
2. Spring broken or hook straightened out.
3. Pin in pulley broken or loose.
4. Pin in retainer broken or loose.
5. Pin in pivot bolt broken.
6. Tabs on retainer sheared off or bent.
7. Pawls in backward or not engaged by pulley pins.
8. Tabs on retainer not positioned over web.

## ASSEMBLY

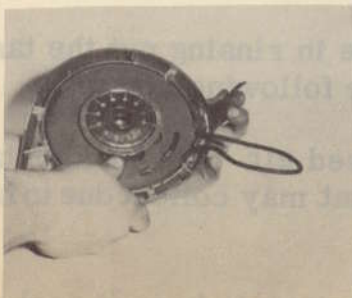
1. Insert the pivot bolt and pawl plate assembly in the pulley, making sure that the pins on the underside of the pulley engage the pawls.
2. Wind the cord on the pulley, bringing the last six or seven inches out of the elongated notch in the outer edge of the pulley and snub between the pulley and pawl plate.

3. Place the closed eye of the spring on the pin in the retainer, with the hooked end facing inward, and wind the spring into the retainer counter-clockwise. When fully coiled, the open hook in the end of the spring should be within  $9/16$  to  $5/32$  inches from the outside diameter of the center hole of the retainer. If not, bend the spring slightly to bring it within the required distance.



*Winding spring in retainer.*

- 4A. (Models with Separate Spring Retainer.) Place the spring retainer over the pivot bolt so that it engages the pin in the pivot bolt. Then place the entire mechanism in the housing so that the tabs in the retainer fit over the heavy rear web in the housing. Screw on the large nut over the lockwasher. On 1946 and early '47 models with the steel spider and light aluminum cover, the pin projecting through the retainer engages the hole in the web of the spider.
- 4B. (Models with Retainer in Housing.) Place the assembly in the housing so that the pin in the pivot bolt engages the slot in the housing. Screw on the large nut over the lockwasher.



*Elongated notch correctly positioned opposite cord outlet.*

5. Take the end of the cord and pull the starter pulley around until the spring catches the pin on the pulley, then pull around about two full turns until the elongated notch is opposite the cord outlet in the housing. Run the cord out of the hole and replace the knob.



6. Now, with the initial two turns of tension on the spring, you should have  $1/2$  to  $3/4$  of a turn of cord left on the pulley when the spring is wound up tight. If not, work the cord out of the elongated notch and increase or decrease the tension accordingly.

## INSTALLATION

Replace the starter assembly on the motor and start the three screws that hold it down. Check with the centering pin to make sure that the starter is centered and the gas cap swivels in easily. If the gas tank is not closely centered around the flywheel, it may be necessary to loosen the nuts and shift the tank until the centering pin will engage the hole in the crankshaft. Tighten down the starter and tank and replace the snap cap. If the starter rubs against the ratchet pulley, it is not properly positioned. Remove the starter and check to see that the top of the ratchet pulley projects  $3/16$ " above the gas tank.

'46 and '47 models have an oversize hole in the starter housing which allows centering the starter by shifting the entire mechanism in the housing until the centering pin engages the hole in the crankshaft. It has been found more satisfactory to insert a centering bushing, Part No. 464-4151, over the pivot bolt and to center the unit by either shifting the starter unit on the tank, or moving the tank and starter until the centering pin freely engages the hole in the crankshaft.

## INSTALLING RECOIL STARTERS ON STANDARD MODELS 461 - 470 - 480

This Recoil Starter Conversion Kit can be ordered by Part No. 471-4150.

Remove the skirts and the tank. Remove the filler cap, the gas line connection and the fuel filter. Empty out all the fuel and rinse out the tank several times with water.

Insert the starter fastening ring into the center of the tank from the bottom and position so that when the starter is screwed on, the starting rope will come out toward the front on the port side. Clean the tank surfaces adjacent to each hole in the fastening ring and solder the ring to the tank.

Gasoline fumes will be present regardless of the care in rinsing out the tank. To eliminate the possibility of an explosion, use one of the following methods:

1. If available, run a constant stream of compressed air through the tank while soldering. This will blow out any vapors that may collect due to heat of soldering, also helps to keep the interior cool.
2. Keep about an inch of water in the bottom of the tank to keep it cool and reduce vapor formation.



*Testing for correct spring tension, with  $1/2$  to  $3/4$  of a turn of rope left on pulley.*



3. After the tank is rinsed out several times with water, stand back and direct a flame from a soldering torch over the filler hole. This will ignite any remaining vapor in the tank without harm.

For soldering, it is advisable to use an electric iron or heat a regular iron at a safe distance from the tank.

Repaint the tank and ring where soldered to prevent rust at these points.

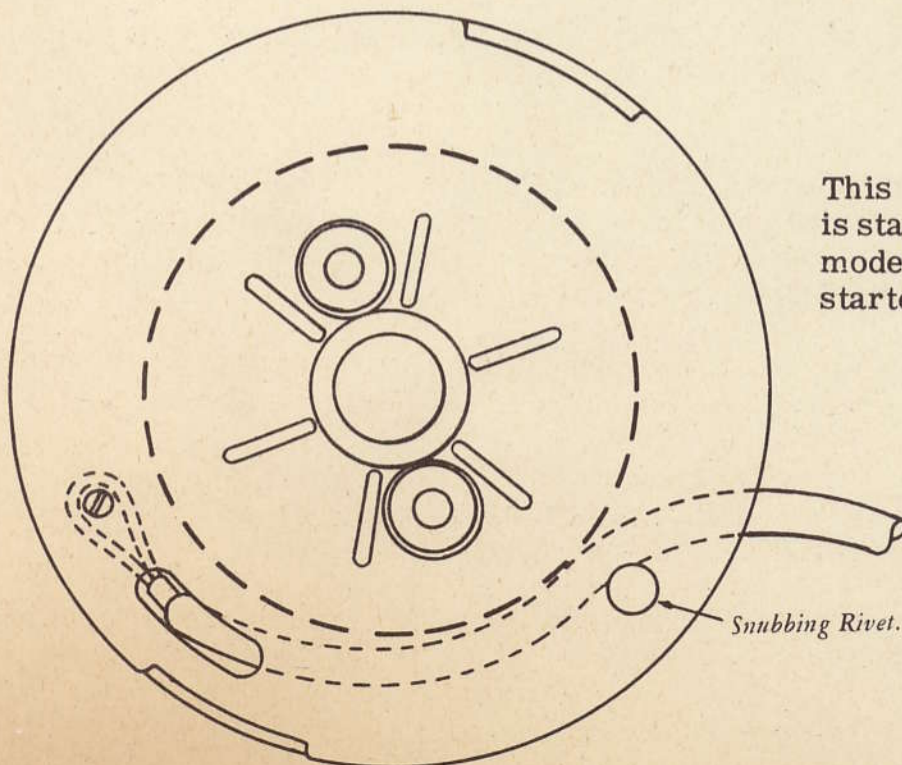
Remove the original manual starting pulley from the flywheel by removing the dome cover and the three screws inside the pulley. Install the starter ratchet pulley with special screws and lockwashers provided in the kit. Remount the tank so that it is centered around the flywheel and the distance from the top of the tank to the top of the ratchet pulley is  $3/16$  inches. The tank brackets should be bent as required to bring the tank both level and to the proper height.

Install the starter according to instructions given previously.

#### INSTALLING CORD PULLEY WITH SNUBBING RIVET

In previous designs, the owner could pull the cord out until the spring was wound tight. With a particularly vigorous pull he could straighten out the hook on the end of the spring, making the starter inoperative. The snubbing rivet in the new style pulley limits the length of rope that can be pulled out and prevents the owner from exerting force on the hooked spring.

When installing this new pulley, shorten the length of the rope so that it measures 60 inches from the anchored end. The first wind of rope must go inside the snubbing rivet and locked in position in the usual manner. Use only one turn of initial tension on the spring when assembling.



This pulley, Part No. 501-4123, is standard equipment on present models and can be installed in the starter of any previous models.

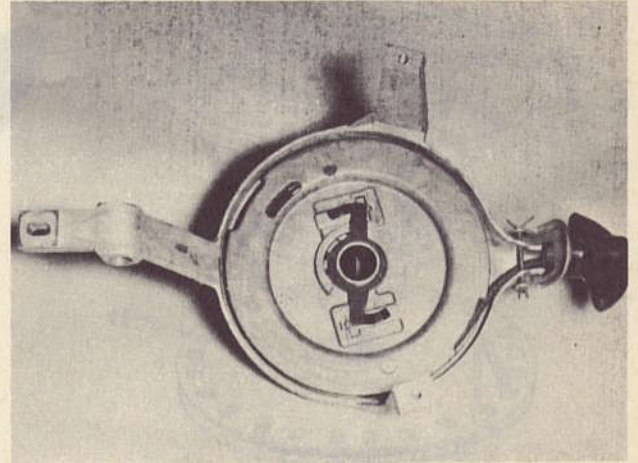


## DROP PAWL STARTER

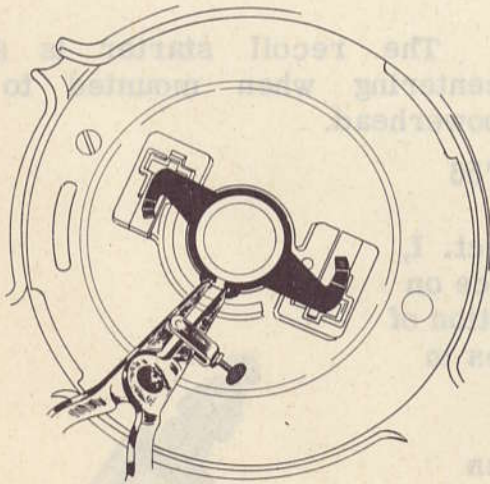
The drop pawl starter is a simplified automatic recoil starter, incorporating two pawls located 180° apart which engage a ratchet plate with the slightest pull of the starter rope. It is simple in construction and lastingly dependable.

### DISASSEMBLY

1. After removing the skirts as shown on page C-1, take off the starter by removing the three starter housing screws.
2. Remove the starter cord knob and allow the cord to gradually wind completely onto the pulley by breaking against the rope pulley.



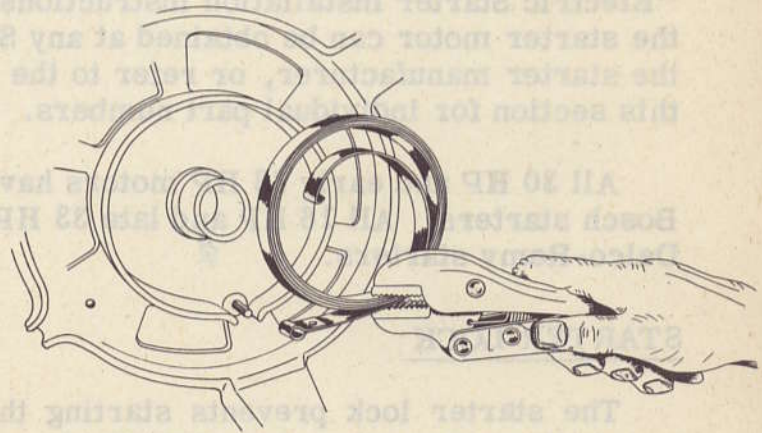
*Drop Pawl Starter*



*Removing & Replacing Friction Spring*

5. When removing the return spring, grasp firmly with a locking pliers and remove in a coiled position.

3. Invert the starter and remove the friction spring (using a #4 Tru-arc pliers), starter pawls and thrust washer.
4. Remove the pulley with caution and the return spring will remain in the retainer.



*Removing Return Spring*

To reassemble reverse the above procedure. When replacing the friction spring (as shown in photo) the open section should be placed toward the fixed boss. Be sure to apply tension to the return spring by rotating the pulley a 3/4 turn initial tension, before feeding the starter rope through the housing and attaching the starter cord knob.

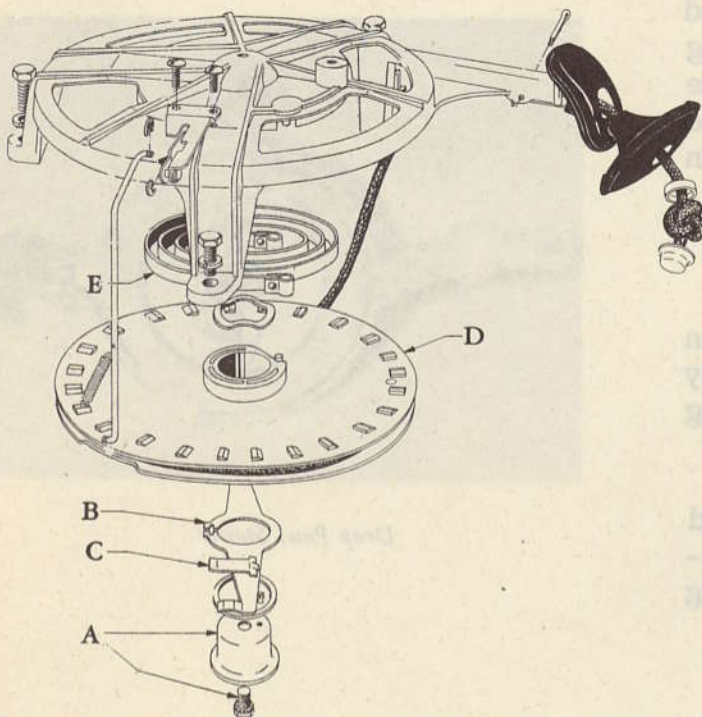


With the starter off, relieve the spring tension by removing the starter cord knob, and allow the pulley to gradually wind up the cord.

Remove the hub screw and hub (A), Friction spring (B), pawls (C), and pulley assembly (D).

Use caution when removing the pulley assembly as the return spring is under tension in the housing. When removing the recoil spring (E) always have the housing facing away from you. **WHEN REPLACING** the pulley assembly, turn it one complete turn before tightening the hub screw. This will put initial tension on the spring. Also have 1/2 to 3/4 turn of cord left on the pulley when the spring is wound up tight (rope pulled maximum distance).

The recoil starter is self-centering when mounted to the powerhead.



30 HP Recoil Starter

**ELECTRIC STARTER - 30 HP '55 - 16 AND 33 HP '56**

For complete electric starter installation see Sect. I, "Electric Starter Installation Instructions". Service on the starter motor can be obtained at any Service Station of the starter manufacturer, or refer to the parts pages in this section for individual part numbers.

All 30 HP and early 33 HP motors have American Bosch starters. All 16 HP and late 33 HP motors have Delco-Remy starters.

**STARTER LOCK**

The starter lock prevents starting the motor while in any shift position other than NEUTRAL.

To properly adjust, put shift handle in reverse, set the Arm for the starter lock link at the bottom of the slotted hole on the shift beam, and tighten the nut. Attach the spring from the arm to the link.



*Elec. Starter*



## 16 HP CARRYING AND STEERING HANDLE ASSEMBLY

It is seldom necessary to disassemble this unit. You will be concerned primarily with making the necessary adjustments in the linkages. The following is a brief explanation of the steps necessary to disassemble and the adjustments to be made.

To remove the handle from the motor, remove the shift actuator pin, loosen the bead chain adjustment "C" and slip the chain off the pulley. See the illustration below. Then remove the two screws on either side and the two nuts in front. If the powerhead is attached to the lower motor casing, remove the carburetor drain tube and the fitting on the bottom of the carburetor. The handle then can be taken off.

The steering handle can be removed by loosening the locking screw underneath and the big nut on the pivot bolt. The control shaft in front can be removed as an assembly after the retaining ring on the end toward the shift lever has been removed and the groove pin driven out of the control shaft pulley. The shift lever shaft can be taken out after the groove pin in the cup and the taper pin in the shift actuator have been driven out.

Refer to the parts illustrations when reassembling to determine proper location for the various parts and washers.

### REPAIRS AND ADJUSTMENTS

Tighten Safety Release Clutch in Twist Grip. If the clutch in the twist grip slips too easily, it will be necessary to increase the tension on the spring. Remove the cap on the handle, drive out the groove pin and disassemble. Add another washer, Part.No. 509-3645, or one similar in dimensions, in front of the spring. Reassemble and check.



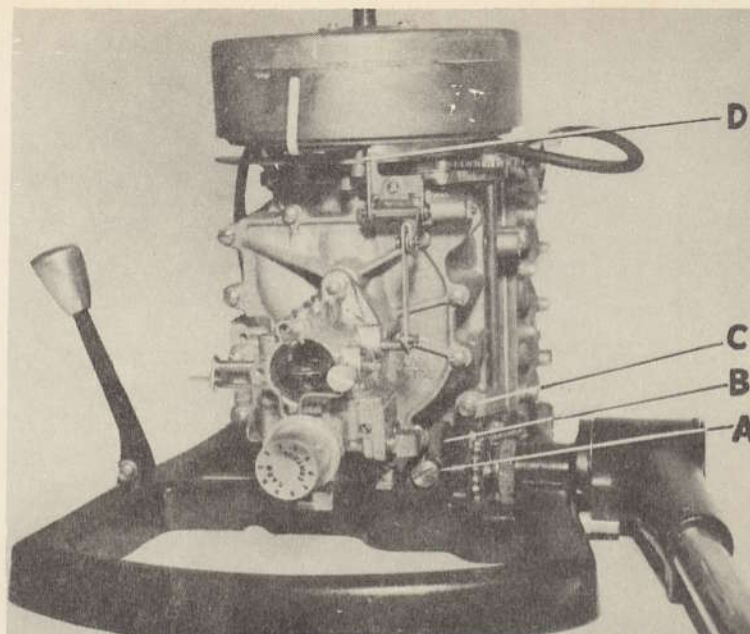
*Clutch parts in the twist grip.*

Replace Bead Chain. It is not necessary to remove the handle from the motor when replacing the endless bead chain. Remove the steering handle and the control shaft, slip the chain over the control shaft and assemble. Loosen the tension' adjustment "C" and slip the chain on the two pulleys.

Synchronize Twist Grip With the Magneto. Loosen the two set screws in the bead chain pulley on the side of the motor. Turn the twist grip until you can feel the detent over the flat spot on the control shaft pulley assembly "B". Then reach



up and move the stator plate until the follower for the carburetor butterfly actuator "D" is 1/4 inch from the center of the screw on the port side holding the cam on the stator plate. Tighten the two Allen set screws in the bead chain pulley.



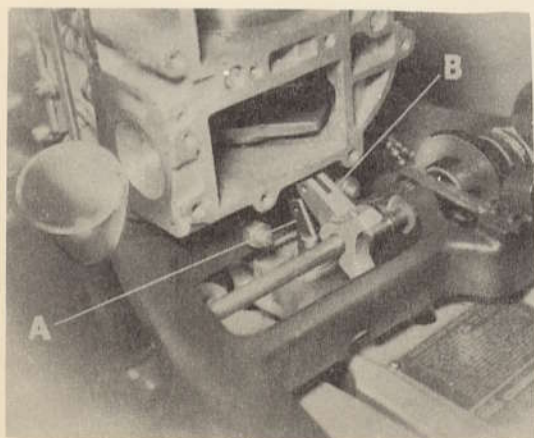
16 HP adjustments.

When the operator feels the detent engage the flat spot, it indicates that the motor is at the limit of its shifting range. With the hood on, the indicator should then be at the upper end of the shifting range

Speed Control Tension. Tighten or loosen the detent "A" until there is enough tension to hold the speed control when the motor is running.

Bead Chain Tension Adjustment. Loosen the locking nut in back, then tighten the lower magneto pinion shaft bearing "C" until you can just turn the beads with your fingers. If the adjustment is too tight, you will not be able to rotate the beads in the chain.

Steering Handle Tension Adjustment. Tighten the big nut on the pivot bolt until there is reasonable friction in lifting the handle. Work the handle up and down a few times so you can be sure the nut will not come loose. The set screw underneath will keep the pivot bolt from turning in the casting.



Synchronizing Lower Unit and Shift Lever. The length of the shift rod should be adjusted so that the detent in the lower unit is in neutral when the shift lever is in neutral. Screw the shift connector "A" on the shift rod until the holes for the pin will line up when both the lower unit and the shift handle are in neutral. As a rough check when first assembling, screw the connector down until the link will just lie horizontally on the pivot tube when the lower unit is in neutral.

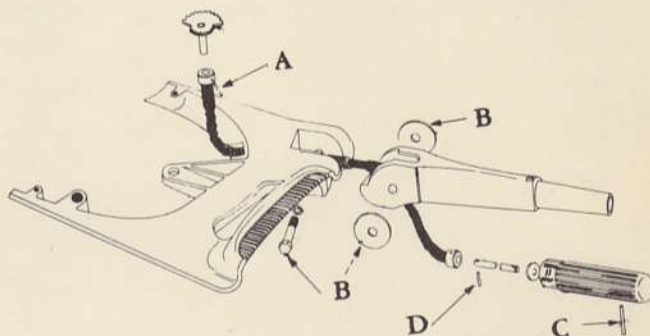


## '53 TWIST GRIP 7 1/2 - 10 HP

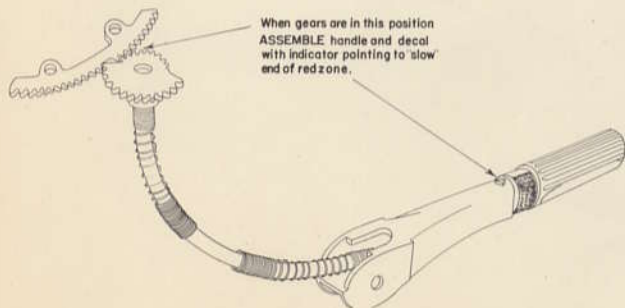
Dual gearing gives twist grip sensitive finger tip control at low speeds and instant response at high speeds. Start, shift and speed zones are clearly marked for convenient, safe operation.

### DISASSEMBLE

1. Drive the magneto pinion gear pin out (A).
2. Remove the pivot bolt and friction washers (B). Pull out the handle assembly, with flexible cable attached.
3. Drive the pin out of the twist grip and slide the grip off (C).
4. To remove the twist grip shaft, slide the flexible cable out of the handle mount and remove the pin attaching the cable to the shaft (D).



*Twist Grip Assembly*



*Positioning the Magneto Pinion Gear*

Assemble the twist grip assembly by reversing the above steps. It is important that the magneto pinion gear and stator plate gear be matched at the recessed area when the handle and decal is assembled with the indicator pointing to the SLOW end of the red zone (see photo).

The aluminum foil speed indicator used on early '53 models is replaceable with the metal indicator (3335-1689) and (480-5853) drive screw. Use a .063 Diam. (#52 drill) to drill a hole for the drive screw. Drill hole in same location radially as center of flat on twist grip handle.

On early production motors it is possible to force the twist grip control when in the high speed position and cause disengagement of the pinion gear from the stator plate gear. This can be corrected by replacing the original 5/16" spacer with a new 7/16" outside diameter spacer (3835-4619).

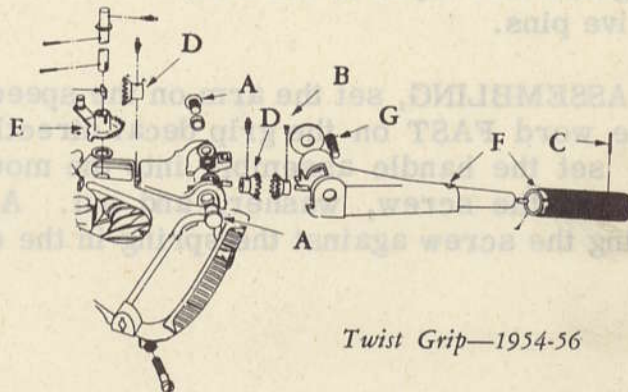


## TWIST GRIP - BAIL-A-MATIC MODELS

Twist grip speed control features synchronized throttle and spark, both controlled by the single twist grip steering handle. Zones for starting, shifting and stopping are clearly indicated. CAUTION - Do not force the speed control at either end of its operating range.

### DISASSEMBLY

1. At the point where the handle hinges, remove screw and nut from the outward side of the handle and the retaining ring and clevis pin from the inward side (A).
2. With the handle off, drive the pin (B) out of the twist grip gear and shaft. The grip and shaft can then be removed from the handle. If it is necessary to separate the shaft from the grip, drive the pin (C) out of the grip.
3. The shaft extending through the steering handle mount has a twist grip gear on each end (D). These gears are keyed to the shaft with drive pins.



*Twist Grip—1954-56*

When assembling push the speed control gear "E" (the gear with the arm for the remote speed attachment all the way to the rear. With the word FAST on the grip decal directly in line with the indicator on the handle (F), set the handle assembly into the handle mount. Insert the clevis pin and retaining ring and the steering handle screw and nut with washer. When assembled in this manner the actual speed is in direct synchronization with the indicator on the grip. The tension on the handle can be set by adjusting the friction plug (G) with a screw driver.

### SPRING MOUNT - 1954

Spring mount features the use of two springs suspended between the motor mount and carrying handle. This is a definite improvement and greatly reduces the amount of vibration transmitted to the boat. The Spring Mount Conversion Kits for the 1954 - 7 1/2 and 10 HP models are 3345-3680 and 3845-3680 respectively. All 7 1/2 HP motors after Serial #334511970 and all 10 HP motors after Serial #38458334 have spring mounting.



## STOWAWAY GAS TANK AND HOSE

The parts illustration for this tank shows how the component parts fit together. Seldom will it be necessary to disassemble any of the parts, except to clean the tank and filter.

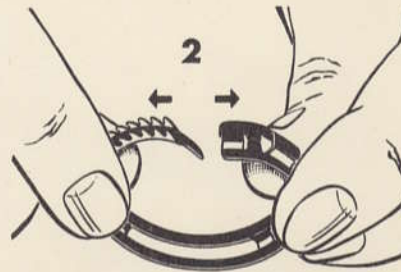
The primer section of the hose, along with the valve in the fuel pump and the one in the tank outlet, act as a pump to fill the carburetor when starting. If the primer doesn't work, check for air leaks or dirt in the check valves.

In the event it becomes necessary to replace sections of the hose or primer; cut off the hose next to the old connection, assemble the parts and use the special clamps described below to clamp the hose. Be sure to use the short length of brass tubing as a stiffener on each end of the primer.

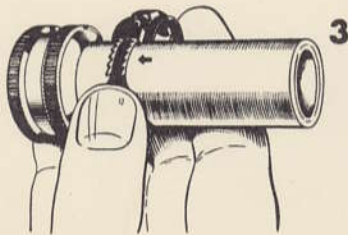
### Instructions for Installing 509-1215 and 1216 Replacement clamp.



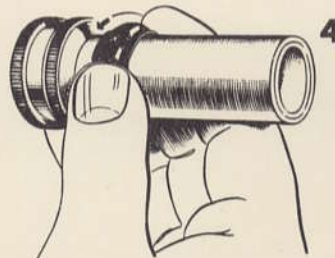
Tinnerman Speed Clamps, with the exception of size -8, are fabricated with their two ends interlocked to prevent tangling or nesting. Size -8 clamps will not nest, therefore interlocking is unnecessary.



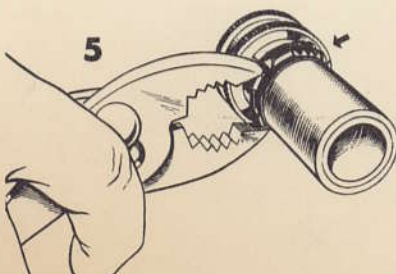
Before installation, the ends should be pulled apart just enough to separate them. Clamp may be slipped over end of hose or opened up enough to install after hose is in place.



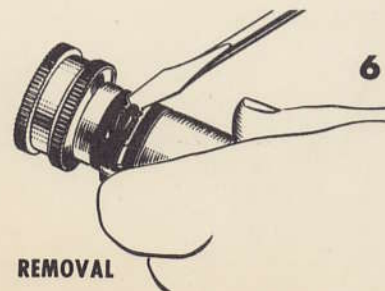
Position the clamp on hose so the end with ratchet teeth is tight against the hose.



Then press other end of clamp down over teeth until the two small tabs, near the end of clamp, snap over the last teeth, into pre-latched position. If clamp cannot be snapped into pre-latched position, a larger size clamp should be used.



Grip the two adjacent bridges with pliers and compress to tightest ratchet position obtainable with one-hand-compression. Locking tongue must engage ratchet teeth to lock clamp.



#### REMOVAL

Insert the point of a small screw driver under the end of the locking tongue and lift up, just enough to clear ratchet teeth. Clamp will spring open for easy removal.



## '54 STOWAWAY TANK

Instead of the customary gas tank, all Bail-A-Matic models have a separate "Stowaway" tank, (3.5 gal. on the 5 HP; 6 gal. on the 7 1/2 HP and up) which can be placed anywhere in your boat. The fuel is pumped to the motor through a single hose, by an automatic diaphragm operated fuel pump. The hose and tank are at no time under pressure. The hose is connected to the motor by a self sealing, quick connect coupling which may be engaged or disengaged instantly. A pliable neoprene section of the hose proves a simple priming pump, which when squeezed a few times will initially fill the hose and carburetor. Fuel flow is controlled by check valves within the primer section, hose outlet and fuel pump. The use of ferrules provide leak proof fittings. Simply slide the ferrule onto the hose, attach the hose to the fitting and clamp the ferrule tight using a Schraeder Ferrule Tool #3220-0. The parts illustration for the tank shows how and where the component parts fit.

The Stowaway tank eliminates the need of refueling on water, permits longer cruising range and provides for easier balancing or distribution of the weight in the boat. Often a 2nd tank, (Trolling mix, 1/4 pt. oil per gallon of gas) is the answer to far off motoring with all day trolling. It may be advantages to build a platform in the boat to fasten the tank in place.

### TROUBLE SHOOTING STOWAWAY TANK

It is seldom necessary to disassemble any of the parts, except to clean the tank. If the primer doesn't work check for air leaks or dirt in the check valve. Make sure all tank fittings are tight and the coupling valve is secure.

*Stowaway Tank*



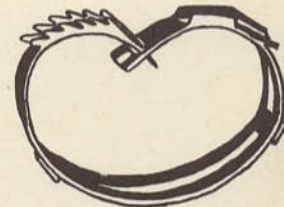
*3 1/2 Gallon - 5 H. P.*

*6 Gallon - 7 1/2 - 10 - 16 - 30 - 33 HP*

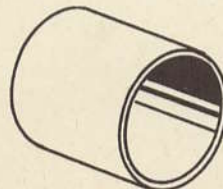
*Ferrules*



*509-1215*



*509-1216*



*509-1212*



*509-1213*



*3745-1213*



*3755-1212*

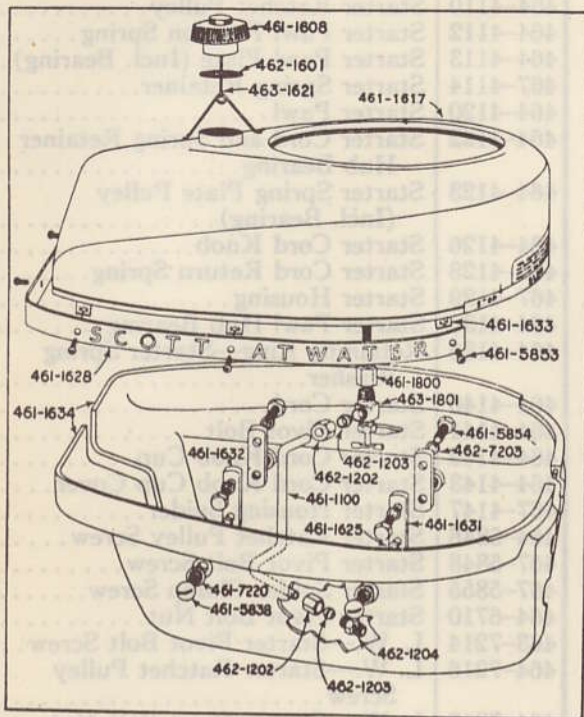
Use Ferrule Tool 9010 when using 509-1212 or 509-1213. The standard stowaway tank hoses are 8 feet in length. Four and eight foot extensions with fittings are available:

4 ft. Extension with fittings - 3345-1724

8 ft. Extension with fittings - 3945-1724

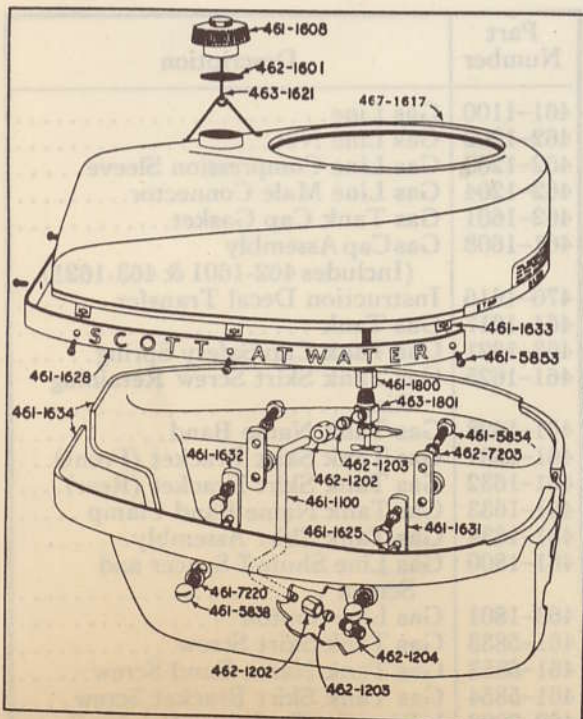


## GAS TANK & SKIRTS - 461



Part Number	Description
461-1100	Gas Line.....
462-1202	Gas Line Nut.....
462-1203	Gas Line Compression Sleeve.....
462-1204	Gas Line Male Connector.....
462-1601	Gas Tank Cap Gasket.....
461-1608	Gas Cap Assembly (Includes 462-1601 & 463-1621).....
461-1617	Gas Tank.....
463-1621	Gas Tank Cap Safety Spring.....
461-1634	Gas Tank Skirt Assembly.....
461-1625	Gas Tank Skirt Screw Retaining Ring.....
461-1628	Gas Tank Name Band.....
461-1631	Gas Tank Skirt Bracket (Front).....
461-1632	Gas Tank Skirt Bracket (Rear).....
461-1633	Gas Tank Name Band Clamp.....
461-1800	Gas Line Shutoff Spacer and Screen.....
463-1801	Gas Line Shutoff.....
461-5838	Gas Tank Skirt Screw.....
461-5853	Gas Tank Name Band Screw.....
461-5854	Gas Tank Skirt Bracket Screw.....
462-7203	L.W.—Gas Tank Skirt Bracket Screw.....
461-7220	L.W.—Gas Tank Skirt Screw.....

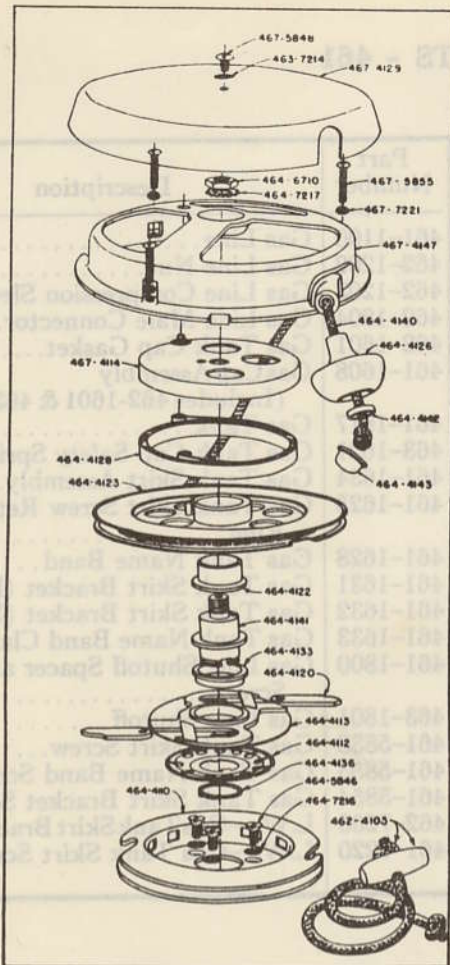
## GAS TANK & SKIRTS - 467



Part Number	Description
461-1100	Gas Line.....
462-1202	Gas Line Nut.....
462-1203	Gas Line Compression Sleeve.....
462-1204	Gas Line Male Connector.....
462-1601	Gas Tank Cap Gasket.....
461-1608	Gas Cap Assembly (Includes 462-1601 & 463-1621).....
467-1617	Gas Tank.....
463-1621	Gas Tank Cap Safety Spring.....
461-1634	Gas Tank Skirt Assembly.....
461-1625	Gas Tank Skirt Screw Retaining Ring.....
461-1628	Gas Tank Name Band.....
461-1631	Gas Tank Skirt Bracket (Front).....
461-1632	Gas Tank Skirt Bracket (Rear).....
461-1633	Gas Tank Name Band Clamp.....
461-1800	Gas Line Shutoff Spacer and Screen.....
463-1801	Gas Line Shutoff.....
461-5838	Gas Tank Skirt Screw.....
461-5853	Gas Tank Name Band Screw.....
461-5854	Gas Tank Skirt Bracket Screw.....
462-7203	L.W.—Gas Tank Skirt Bracket Screw.....
461-7220	L.W.—Gas Tank Skirt Screw.....

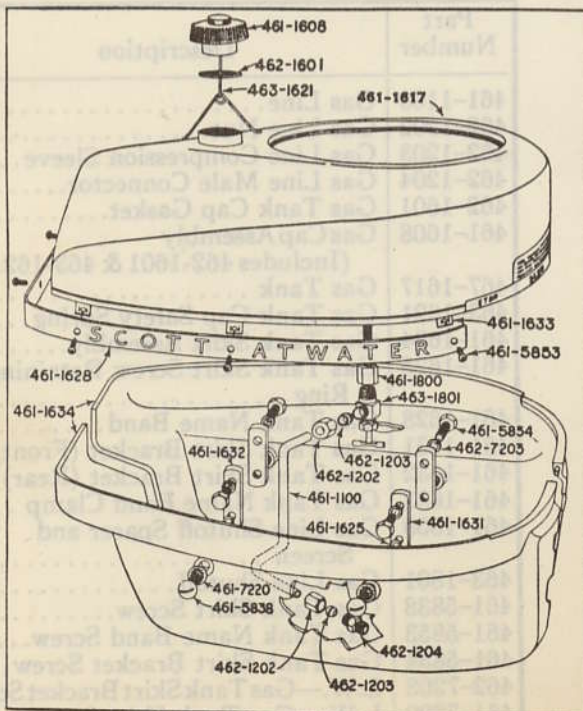


## STARTER 467



Part Number	Description
462-4103	Auxiliary Starting Rope Assembly
464-4110	Starter Ratchet-Pulley
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Plate (Incl. Bearing)
467-4114	Starter Spring Retainer
464-4120	Starter Pawl
464-4122	Starter Cord and Spring Retainer Hub Bearing
464-4123	Starter Spring Plate Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
467-4129	Starter Housing
464-4133	Starter Pawl Hub Bearing
464-4136	Retaining Ring—Starter Spring Washer
464-4140	Starter Cord
464-4141	Starter Pivot Bolt
464-4142	Starter Cord Knob Cup
464-4143	Starter Cord Knob Cup Cover
467-4147	Starter Housing Spider
464-5846	Starter Ratchet Pulley Screw
467-5848	Starter Pivot Bolt Screw
467-5855	Starter Spider Clamp Screw
464-6710	Starter Pivot Bolt Nut
463-7214	L. W.—Starter Pivot Bolt Screw
464-7216	L. W.—Starter Ratchet Pulley Screw
464-7217	L. W.—Starter Pivot Bolt Nut
467-7221	L. W.—Starter Spider Clamp Screw

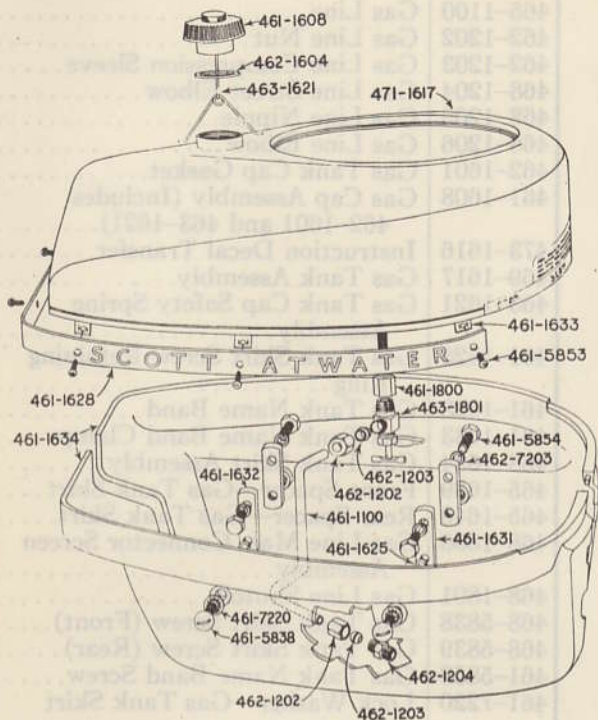
## GAS TANK & SKIRTS 470



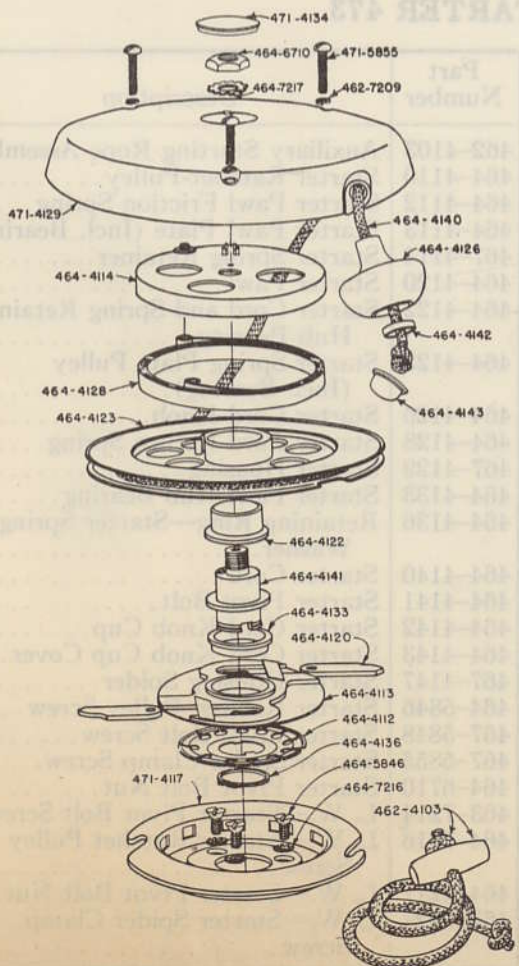
Part Number	Description
461-1100	Gas Line
462-1202	Gas Line Nut
462-1203	Gas Line Compression Sleeve
462-1204	Gas Line Male Connector
462-1601	Gas Tank Cap Gasket
461-1608	Gas Cap Assembly (Includes 462-1601 & 463-1621)
470-1616	Instruction Decal Transfer
461-1617	Gas Tank
463-1621	Gas Tank Cap Safety Spring
461-1625	Gas Tank Skirt Screw Retaining Ring
461-1628	Gas Tank Name Band
461-1631	Gas Tank Skirt Bracket (Front)
461-1632	Gas Tank Skirt Bracket (Rear)
461-1633	Gas Tank Name Band Clamp
461-1634	Gas Tank Skirt Assembly
461-1800	Gas Line Shutoff Spacer and Screen
463-1801	Gas Line Shutoff
461-5838	Gas Tank Skirt Screw
461-5853	Gas Tank Name Band Screw
461-5854	Gas Tank Skirt Bracket Screw
462-7203	L.W.—Gas Tank Skirt Bracket Screw
461-7220	L.W.—Gas Tank Skirt Screw



## GAS TANK & SKIRTS 471



Part Number	Description
461-1100	Gas Line . . . . .
462-1202	Gas Line Nut . . . . .
462-1203	Gas Line Compression Sleeve . . . . .
462-1204	Gas Line Male Connector . . . . .
462-1601	Gas Tank Cap Gasket . . . . .
461-1608	Gas Cap Assembly (Includes 462-1601 & 463-1621) . . . . .
470-1616	Instruction Decal Transfer . . . . .
471-1617	Gas Tank . . . . .
463-1621	Gas Tank Cap Safety Spring . . . . .
461-1634	Gas Tank Skirt Assembly . . . . .
461-1625	Gas Tank Skirt Screw Retaining Ring . . . . .
461-1628	Gas Tank Name Band . . . . .
461-1631	Gas Tank Skirt Bracket (Front) . . . . .
461-1632	Gas Tank Skirt Bracket (Rear) . . . . .
461-1633	Gas Tank Name Band Clamp . . . . .
461-1800	Gas Line Shutoff Spacer and Screen . . . . .
463-1801	Gas Line Shutoff . . . . .
461-5838	Gas Tank Skirt Screw . . . . .
461-5853	Gas Tank Name Band Screw . . . . .
461-5854	Gas Tank Skirt Bracket Screw . . . . .
462-7203	L.W.—Gas Tank Skirt Bracket Screw . . . . .
461-7220	L.W.—Gas Tank Skirt Screw . . . . .



## STARTER 471

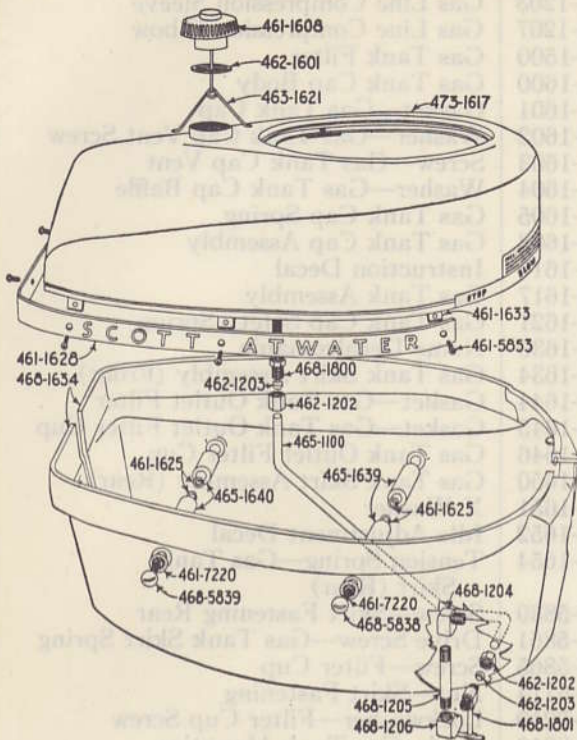
Part Number	Description
462-4103	Auxiliary Starting Rope Assembly . . . . .
464-4112	Starter Pawl Friction Spring . . . . .
464-4113	Starter Pawl Plate (Incl. Bearing) . . . . .
464-4114	Starter Spring Retainer . . . . .
471-4117	Starter Ratchet Pulley . . . . .
464-4120	Starter Pawl . . . . .
464-4122	Starter Spring Plate Pulley Bearing . . . . .
464-4123	Starter Spring Plate Pulley (Incl. Bearing) . . . . .
464-4126	Starter Cord Knob . . . . .
464-4128	Starter Cord Return Spring . . . . .
471-4129	Starter Housing . . . . .
464-4133	Starter Pawl Hub Bearing . . . . .
471-4134	Starter Housing Snap Cap . . . . .
464-4136	Retaining Ring-Starter Spring Washer . . . . .
464-4140	Starter Cord . . . . .
464-4141	Starter Pivot Bolt . . . . .
464-4142	Starter Cord Knob Cup . . . . .
464-4143	Starter Cord Knob Cup Cover . . . . .
464-5846	Starter Ratchet Pulley Screw . . . . .
471-5855	Starter Housing Clamp Screw . . . . .
464-6710	Starter Pivot Bolt Nut . . . . .
462-7209	L.W. Starter Housing Clamp Screw . . . . .
464-7216	L.W. Starter Ratchet Pulley Screw . . . . .
464-7217	L.W. Starter Pivot Bolt Nut . . . . .



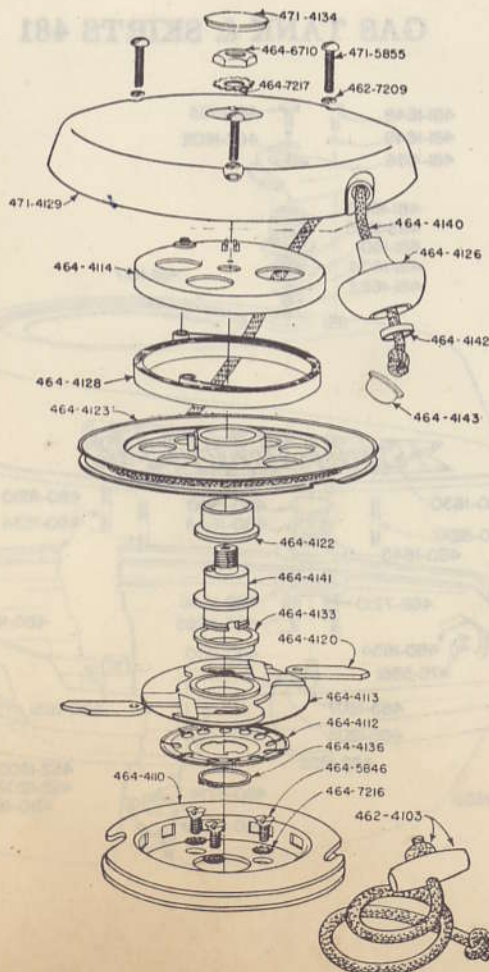




## GAS TANK & SKIRTS 473 Revised



Part Number	Description
465-1100	Gas Line.....
462-1202	Gas Line Nut.....
462-1203	Gas Line Compression Sleeve.....
468-1204	Gas Line Street Elbow.....
468-1205	Gas Line Nipple.....
468-1206	Gas Line Elbow.....
462-1601	Gas Tank Cap Gasket.....
461-1608	Gas Cap Assembly (Includes 462-1601 and 463-1621).....
473-1616	Instruction Decal Transfer.....
473-1617	Gas Tank Assembly.....
463-1621	Gas Tank Cap Safety Spring Assembly.....
461-1625	Gas Tank Skirt Screw Retaining Ring.....
461-1628	Gas Tank Name Band.....
461-1633	Gas Tank Name Band Clamp.....
468-1634	Gas Tank Skirt Assembly.....
465-1639	Front Spacer—Gas Tank Skirt.....
465-1640	Rear Spacer—Gas Tank Skirt.....
468-1800	Gas Line Male Connector Screen Assembly.....
468-1801	Gas Line Shutoff.....
468-5838	Gas Tank Skirt Screw (Front).....
468-5839	Gas Tank Skirt Screw (Rear).....
461-5853	Gas Tank Name Band Screw.....
461-7220	Lock Washer—Gas Tank Skirt Screw.....

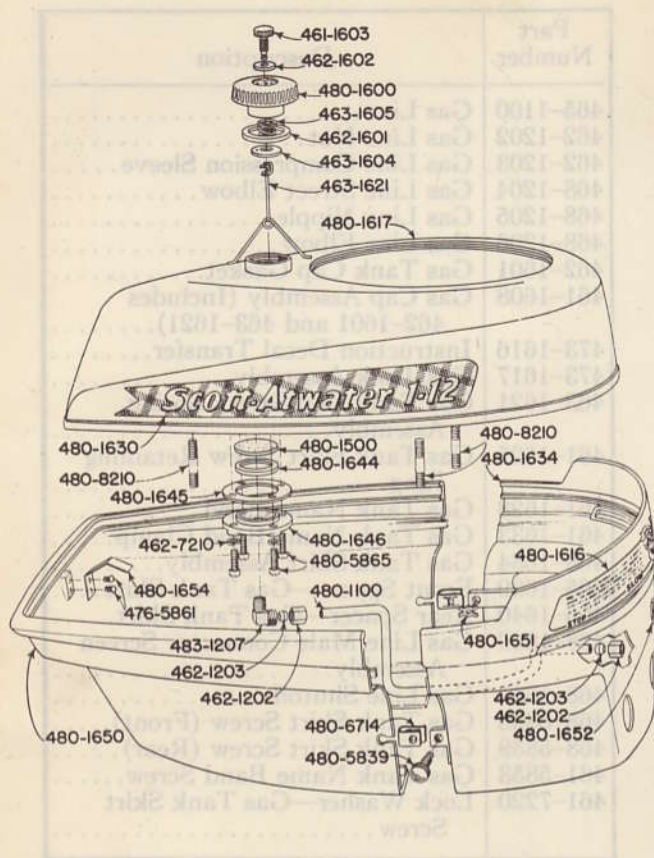


## STARTER 473 Revised

Part Number	Description
462-4103	Auxiliary Starting Rope Assembly.....
464-4110	Starter Ratchet Pulley.....
464-4112	Starter Pawl Friction Spring.....
464-4113	Starter Pawl Plate (Incl. Bearing).....
464-4114	Starter Spring Retainer.....
464-4120	Starter Pawl.....
464-4122	Starter Spring Plate Pulley Bearing.....
464-4123	Starter Spring Plate Pulley (Incl. Bearing).....
464-4126	Starter Cord Knob.....
464-4128	Starter Cord Return Spring.....
471-4129	Starter Housing.....
464-4133	Starter Pawl Hub Bearing.....
471-4134	Starter Housing Snap Cap.....
464-4136	Retaining Ring—Starter Spring Washer.....
464-4140	Starter Cord.....
464-4141	Starter Pivot Bolt.....
464-4142	Starter Cord Knob Cup.....
464-4143	Starter Cord Knob Cup Cover.....
464-5846	Starter Ratchet Pulley Screw.....
471-5855	Starter Housing Clamp Screw.....
464-6710	Starter Pivot Bolt Nut.....
462-7209	L.W. Starter Housing Clamp Screw.....
464-7216	L.W. Starter Ratchet Pulley Screw.....
464-7217	L.W. Starter Pivot Bolt Nut.....



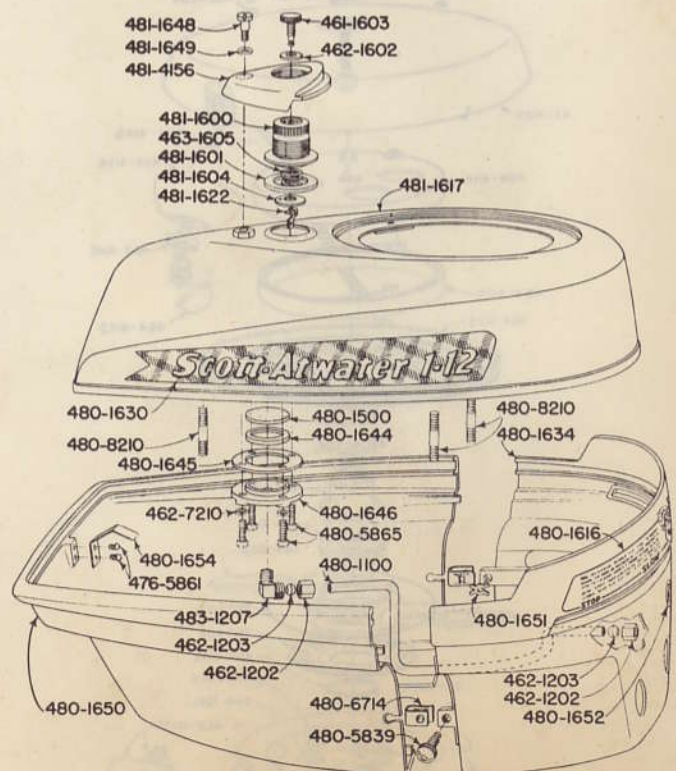
## GAS TANK & SKIRTS 480



Part Number	Description
480-1100	Gas Line
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
483-1207	Gas Line Compression Elbow
480-1500	Gas Tank Filter
*480-1600	Gas Tank Cap Body
*462-1601	Gasket—Gas Tank Cap
*462-1602	Washer—Gas Tank Cap Vent Screw
*461-1603	Screw—Gas Tank Cap Vent
*463-1604	Washer—Gas Tank Cap Baffle
*463-1605	Gas Tank Cap Spring
480-1608	Gas Tank Cap Assembly
480-1616	Instruction Decal
480-1617	Gas Tank Assembly
463-1621	Gas Tank Cap Safety Spring
480-1630	Name Decalomania
480-1634	Gas Tank Skirt Assembly (Front)
480-1644	Gasket—Gas Tank Outlet Filter
480-1645	Gasket—Gas Tank Outlet Filter Cup
480-1646	Gas Tank Outlet Filter Cup
480-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
480-1652	Idle Adjustment Decal
480-1654	Tension Spring—Gas Tank Skirt (Rear)
480-5839	Screw—Skirt Fastening Rear
476-5861	Drive Screw—Gas Tank Skirt Spring
480-5865	Screw—Filter Cup
480-6714	Nut—Skirt Fastening
462-7210	Lockwasher—Filter Cup Screw
480-8210	Stud—Gas Tank Mounting
* Included in Gas Tank Cap Assembly 480-1608	

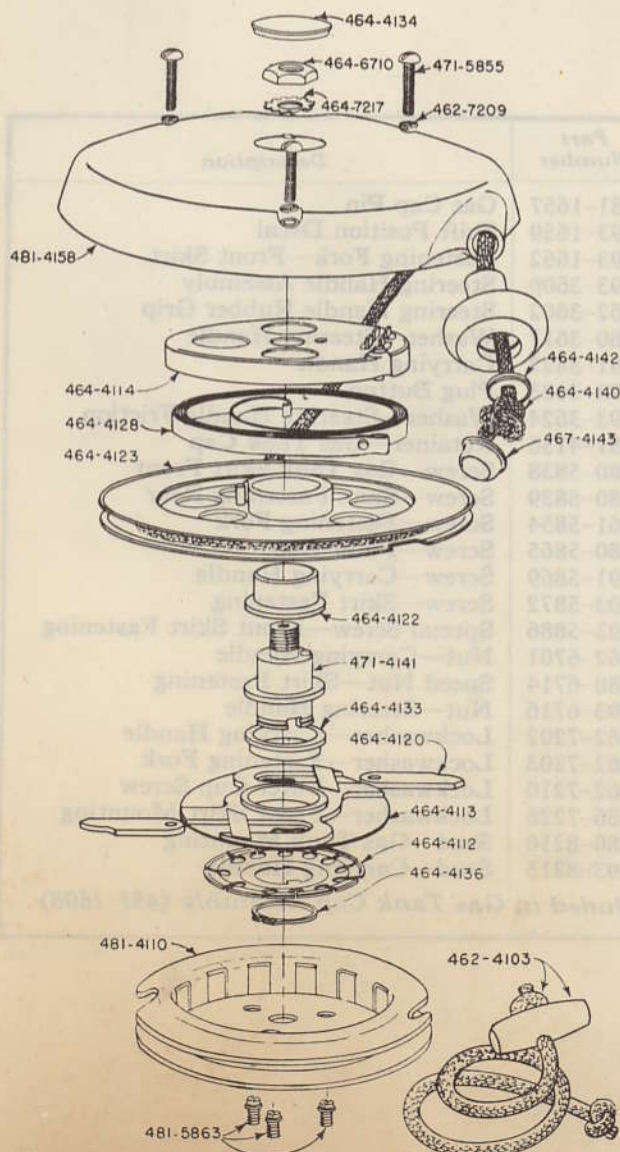
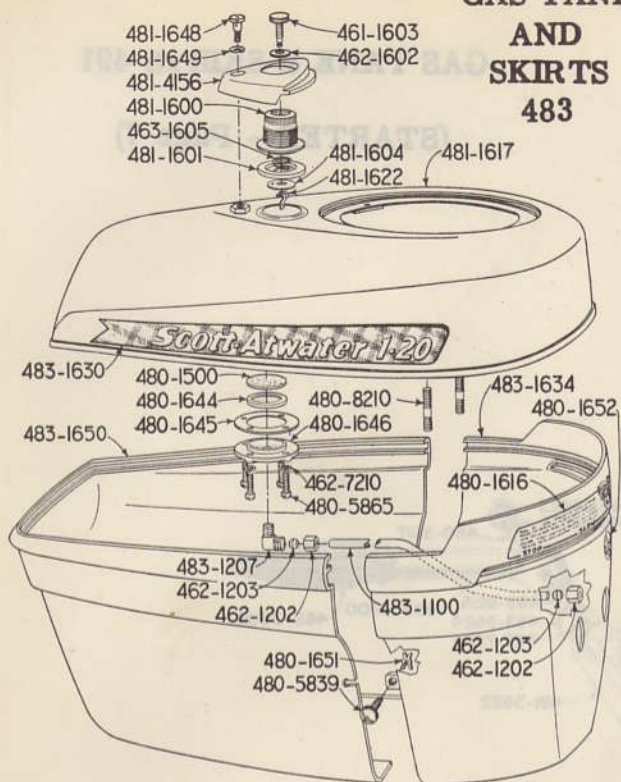
Part Number	Description
480-1100	Gas Line
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
483-1207	Gas Line Compression Elbow
480-1500	Gas Tank Filter
*481-1600	Gas Tank Cap Body
*481-1601	Gasket—Gas Tank Cap
*462-1602	Washer—Gas Tank Cap Vent Screw
*461-1603	Screw—Gas Tank Cap Vent
*481-1604	Washer—Gas Tank Cap Baffle
*463-1605	Gas Tank Cap Spring
481-1608	Gas Tank Cap Assembly
480-1616	Instruction Decal
481-1617	Gas Tank Assembly
*481-1622	Retainer—Gas Tank Cap Vent Screw
480-1630	Name Decalomania
480-1634	Gas Tank Skirt Assembly (Front)
480-1644	Gasket—Gas Tank Outlet Filter
480-1645	Gasket—Gas Tank Outlet Filter Cup
480-1646	Gas Tank Outlet Filter Cup
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
480-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
480-1652	Idle Adjustment Decal
480-1654	Tension Spring—Gas Tank Skirt (Rear)
481-4156	Retainer—Gas Tank Cap
480-5839	Screw—Skirt Fastening Rear
480-5865	Screw—Filter Cup
462-7210	Lockwasher—Filter Cup Screw
480-8210	Stud—Gas Tank Mounting
* Included in Gas Tank Cap Assembly (481-1608)	

## GAS TANK & SKIRTS 481





## GAS TANK AND SKIRTS 483



Part Number	Description
483-1100	Gas Line
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
483-1207	Gas Line Compression Elbow
480-1500	Gas Tank Filter
*481-1600	Gas Tank Cap Body
*481-1601	Gasket—Gas Tank Cap
*462-1602	Washer—Gas Tank Cap Vent Screw
*461-1603	Screw—Gas Tank Cap Vent
*481-1604	Washer—Gas Tank Cap Baffle
*463-1605	Gas Tank Cap Spring
481-1608	Gas Tank Cap Assembly
480-1616	Instruction Decal
481-1617	Gas Tank Assembly
*481-1622	Retainer—Gas Tank Cap Vent Screw
483-1630	Name Decalomania
483-1634	Gas Tank Skirt Assembly (Front) (Sold in matched sets only 483-1634 & 483-1650)
480-1644	Gasket—Gas Tank Outlet Filter
480-1645	Gasket—Gas Tank Outlet Filter Cup
480-1646	Gas Tank Outlet Filter Cup
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
483-1650	Gas Tank Skirt Assembly (Rear) (Sold in matched sets only 483-1634 & 483-1650)
480-1651	X Washer
480-1652	Idle Adjustment Decal
480-1654	Tension Spring—Gas Tank Skirt (Rear)
481-4156	Retainer—Gas Tank Cap
480-5839	Screw—Skirt Fastening Rear
480-5865	Screw—Filter Cup
462-7210	Lockwasher—Filter Cup Screw
480-8210	Stud—Gas Tank Mounting
* Included	in Gas Tank Cap Assembly (481-1608)

## STARTER - 481 - 483 - 491

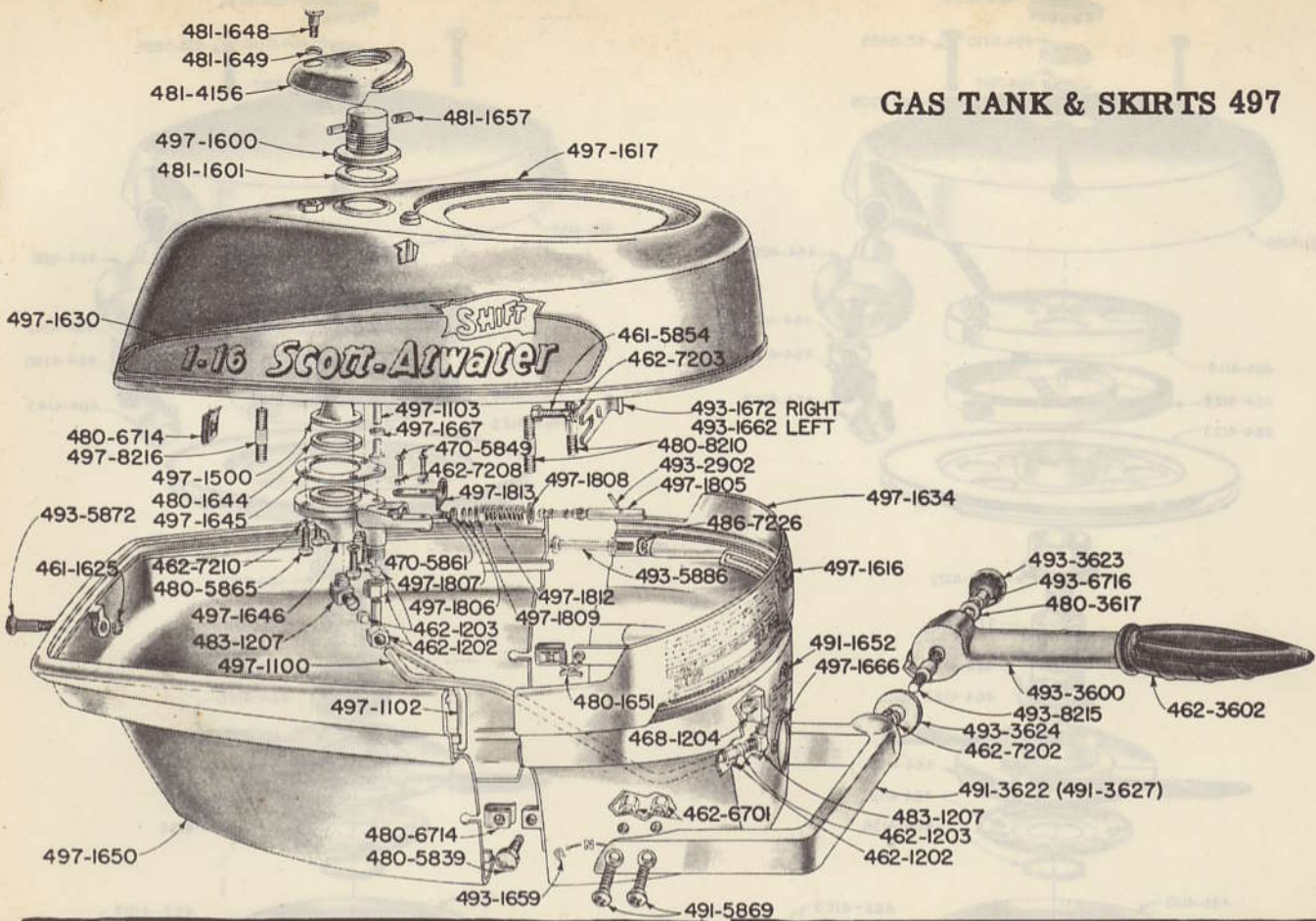
Part Number	Description
462-4103	Auxiliary Starting Rope Assembly
481-4110	Starter Ratchet Pulley
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Retainer Assembly
464-4114	Starter Spring Retainer Assembly
464-4120	Starter Pawl
464-4122	Starter Pulley Hub Bearing
464-4123	Starter Cord Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
464-4133	Starter Pawl Guide Plate Bearing
464-4134	Starter Housing Snap Cap
464-4136	Retaining Ring—Starter Pawl Friction Spring
464-4140	Starter Cord Assembly
471-4141	Starter Pivot Bolt Assembly
464-4142	Starter Cord Knob Cup
467-4143	Starter Cord Knob Cup Cover
481-4158	Starter Housing Assembly
471-5855	Starter Housing Clamp Screw
481-5863	Screw—Starter Ratchet Location
464-6710	Starter Pivot Bolt Nut
462-7209	L.W.Starter Housing Clamp Screw
464-7217	L.W.Starter Pivot Bolt Nut







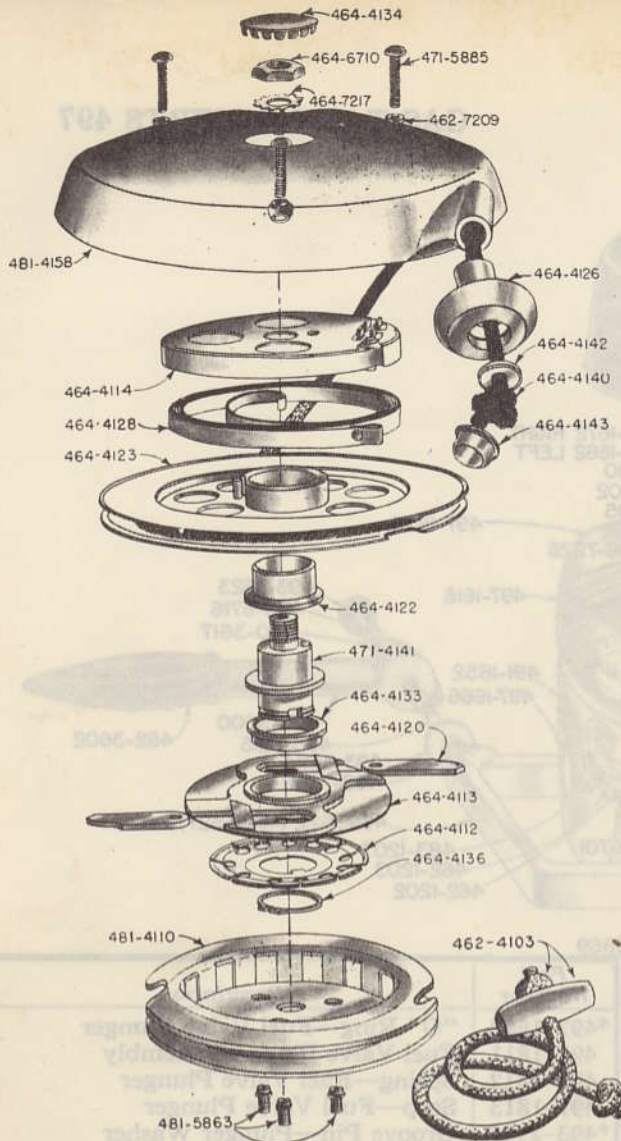
## GAS TANK & SKIRTS 497



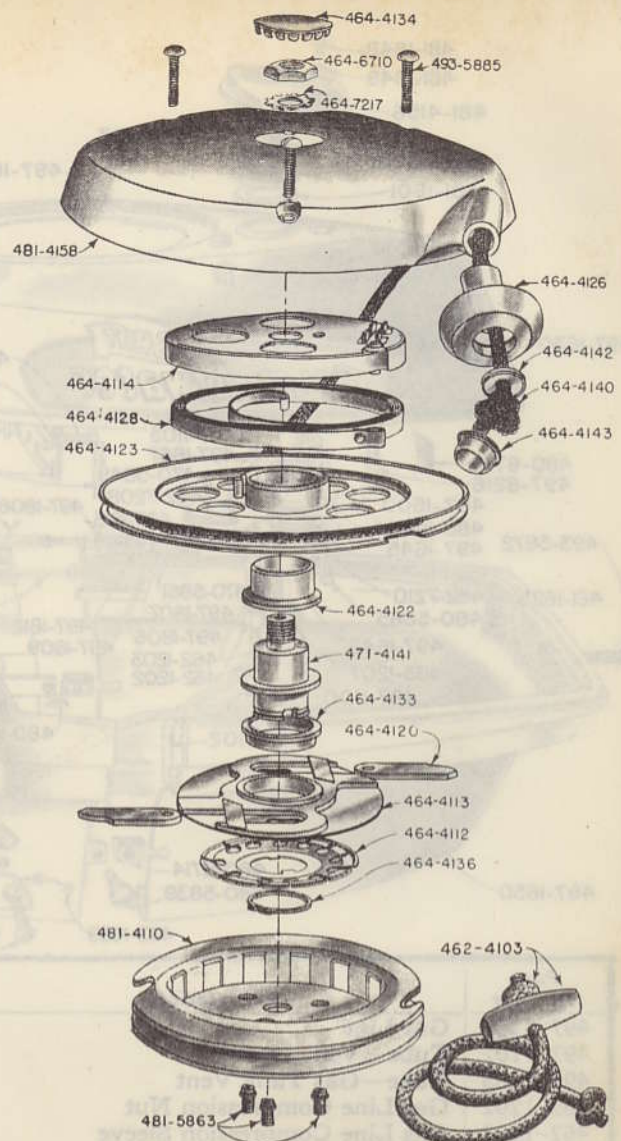
Part Number	Description
497-1100	Gas Line
497-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
468-1204	Gas Line Street Elbow
483-1207	Gas Line Compression Elbow
497-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
497-1616	Instruction Decal
497-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
497-1630	Name Decalomania
497-1634	Gas Tank Skirt Assembly (Front)
480-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
497-1646	Fuel Valve Body
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
497-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
491-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal
493-1662	Fastening Fork—Front Skirt L. H.
497-1666	Carburetor Control Knob Decal
497-1667	Seal—Gas Tank Vent Tube
493-1672	Fastening Fork—Front Skirt R. H.
*497-1805	Plunger
*497-1806	“O” Ring—Fuel Valve Plunger
*497-1807	Seal Washer
497-1808	Washer
*Included in 497-1811 Fuel Valve Plunger Assembly	

Part Number	Description
*497-1809	“O” Ring—Fuel Valve Plunger
497-1811	Fuel Valve Plunger Assembly
497-1812	Spring—Fuel Valve Plunger
497-1813	Stop—Fuel Valve Plunger
*493-2902	Groove Pin—Plunger Washer
493-3600	Steering Handle Assembly
463-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
491-3622	Carrying Handle
493-3623	Plug Button
493-3624	Washer—Steering Handle Friction
491-3627	Carrying Handle Assembly (Includes 493-8215, 491-3622, 491-5869, 462-6701 and 462-7202)
481-4156	Retainer—Gas Tank Cap
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
480-5859	Screw—Fuel Valve Plunger Stop
470-5861	Drive Screw—Plunger
480-5865	Screw—Filter Cup
491-5869	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6716	Nut—Steering Handle
462-7202	Lockwasher—Carrying Handle
462-7203	Lockwasher—Fastening Fork
462-7208	Lockwasher—Fuel Valve Plunger Stop
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting
493-8215	Stud—Carrying Handle
497-8216	Stud—Gas Tank Mounting Rear





**STARTER 493**



**STARTER 497**

Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly
481-4110	Starter Ratchet Pulley
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Retainer Assembly
464-4114	Starter Spring Retainer Assembly
464-4120	Starter Pawl
464-4122	Starter Pulley Hub Bearing
464-4123	Starter Cord Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
464-4133	Starter Pawl Guide Plate Bearing
464-4134	Starter Housing Snap Cap
464-4136	Retaining Ring-Starter Pawl Friction Spring
464-4140	Starter Cord Assembly
471-4141	Starter Pivot Bolt Assembly
464-4142	Starter Cord Knob Cup
464-4143	Starter Cord Knob Cup Cover
481-4158	Starter Housing Assembly
471-5855	Starter Housing Clamp Screw
481-5863	Screw—Starter Ratchet Location
464-6710	Starter Pivot Bolt Nut
462-7209	L.W. Starter Housing Clamp Screw
464-7217	L.W. Starter Pivot Bolt Nut

\*Not included with Motor

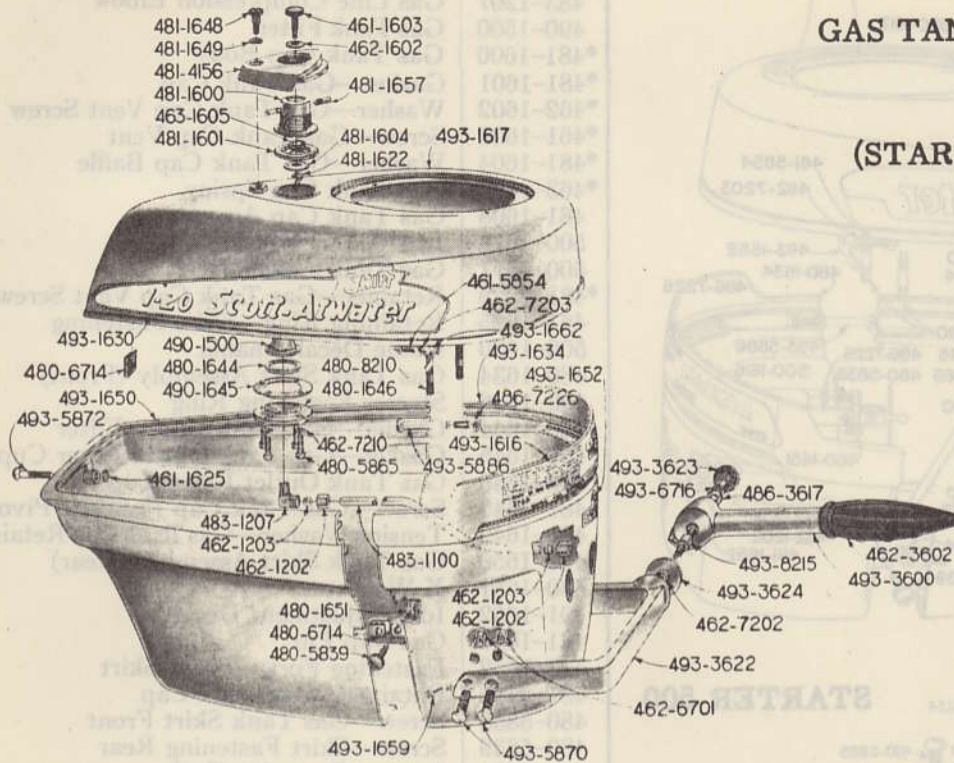
Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly
481-4110	Starter Ratchet Pulley
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Retainer Assembly
464-4114	Starter Spring Retainer Assembly
464-4120	Starter Pawl
464-4122	Starter Pulley Hub Bearing
464-4123	Starter Cord Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
464-4133	Starter Pawl Guide Plate Bearing
464-4134	Starter Housing Snap Cap
464-4136	Retaining Ring-Starter Pawl Friction Spring
464-4140	Starter Cord Assembly
471-4141	Starter Pivot Bolt Assembly
464-4142	Starter Cord Knob Cup
464-4143	Starter Cord Knob Cup Cover
481-4158	Starter Housing Assembly
481-5863	Screw—Starter Ratchet Location
493-5885	Starter Housing Clamp Screw
464-6710	Starter Pivot Bolt Nut
464-7217	L. W. Starter Pivot Bolt Nut

\*Not included with Motor



## GAS TANK & SKIRTS 493

(STARTER - Page 10)



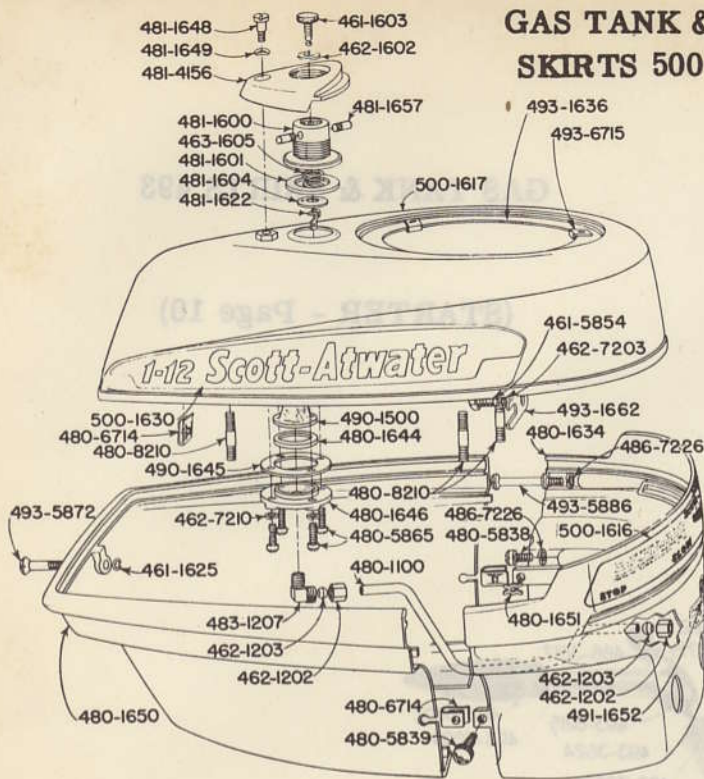
Part Number	Description
483-1100	Gas Line
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
483-1207	Gas Line Compression Elbow
490-1500	Gas Tank Filter
*481-1600	Gas Tank Cap Body Assembly
*481-1601	Gasket—Gas Tank Cap
*462-1602	Washer—Gas Tank Cap Vent Screw
*461-1603	Screw—Gas Tank Cap Vent
*481-1604	Washer—Gas Tank Cap Baffle
*463-1605	Gas Tank Cap Spring
481-1608	Gas Tank Cap Assembly
493-1616	Instruction Decal
493-1617	Gas Tank Assembly
*481-1622	Retainer—Gas Tank Cap Vent Screw
461-1625	Retaining Ring Skirt Fastening Screw
493-1630	Name Decalomania
493-1634	Gas Tank Skirt Assembly (Front)
480-1644	Gasket—Gas Tank Outlet Filter
490-1645	Gasket—Gas Tank Outlet Filter Cup
480-1646	Gas Tank Outlet Filter Cup
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
493-1650	Gas Tank Skirt Assembly (Rear)

*\*Included in Gas Tank Cap Assembly (481-1608)*

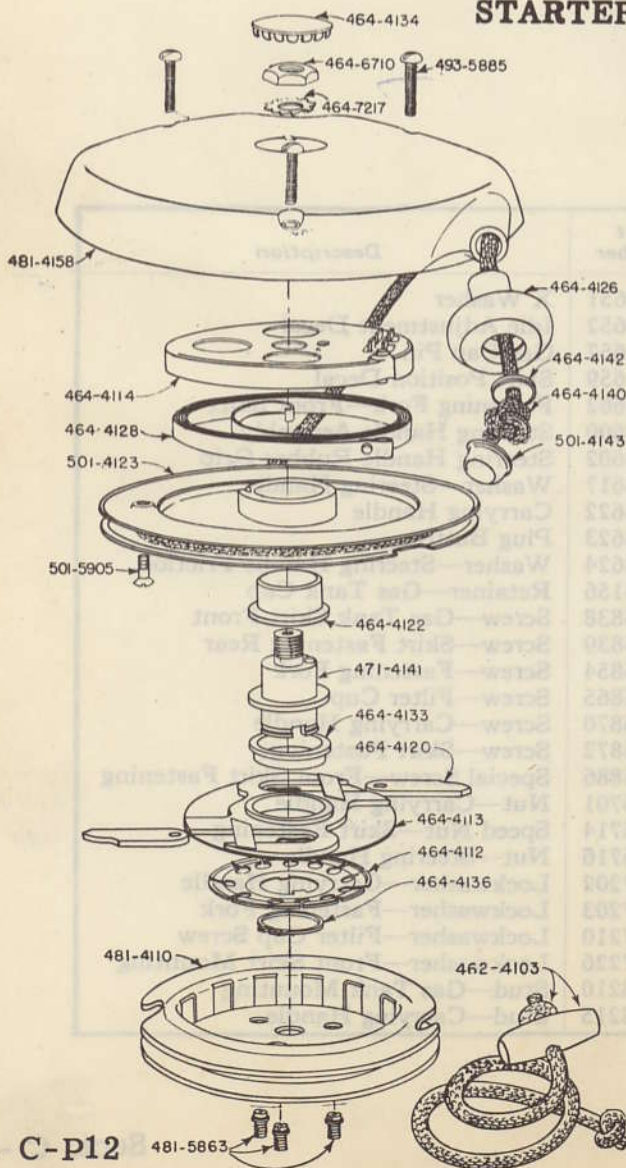
Part Number	Description
480-1651	X Washer
493-1652	Idle Adjustment Decal
*481-1657	Gas Cap Pin
493-1659	Shift Position Decal
493-1662	Fastening Fork—Front Skirt
493-3600	Steering Handle Assembly
462-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
493-3622	Carrying Handle
493-3623	Plug Button
493-3624	Washer—Steering Handle Friction
481-4156	Retainer—Gas Tank Cap
480-5838	Screw—Gas Tank Skirt Front
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
480-5865	Screw—Filter Cup
493-5870	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6716	Nut—Steering Handle
462-7202	Lockwasher—Carrying Handle
462-7203	Lockwasher—Fastening Fork
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting
493-8215	Stud—Carrying Handle



## GAS TANK & SKIRTS 500



## STARTER 500



Part Number	Description
480-1100	Gas Line
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
483-1207	Gas Line Compression Elbow
490-1500	Gas Tank Filter
*481-1600	Gas Tank Cap Body
*481-1601	Gasket—Gas Tank Cap
*462-1602	Washer—Gas Tank Cap Vent Screw
*461-1603	Screw—Gas Tank Cap Vent
*481-1604	Washer—Gas Tank Cap Baffle
*463-1605	Gas Tank Cap Spring
481-1608	Gas Tank Cap Assembly
500-1616	Instruction Decal
500-1617	Gas Tank Assembly
*481-1622	Retainer—Gas Tank Cap Vent Screw
461-1625	Retaining Ring—Skirt Fastening
500-1630	Name Decalcomania
480-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
480-1644	Gasket—Gas Tank Outlet Filter
490-1645	Gasket—Gas Tank Outlet Filter Cup
480-1646	Gas Tank Outlet Filter Cup
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
491-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
491-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1662	Fastening Fork—Front Skirt
481-4156	Retainer—Gas Tank Cap
480-5838	Screw—Gas Tank Skirt Front
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
480-5865	Screw—Filter Cup
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
480-6714	Speed Nut—Skirt Fastening
493-6715	Speed Nut—Starter Fastening
462-7203	Lockwasher—Fastening Fork
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting

\*Included in Gas Tank Cap Assembly (481-1608)

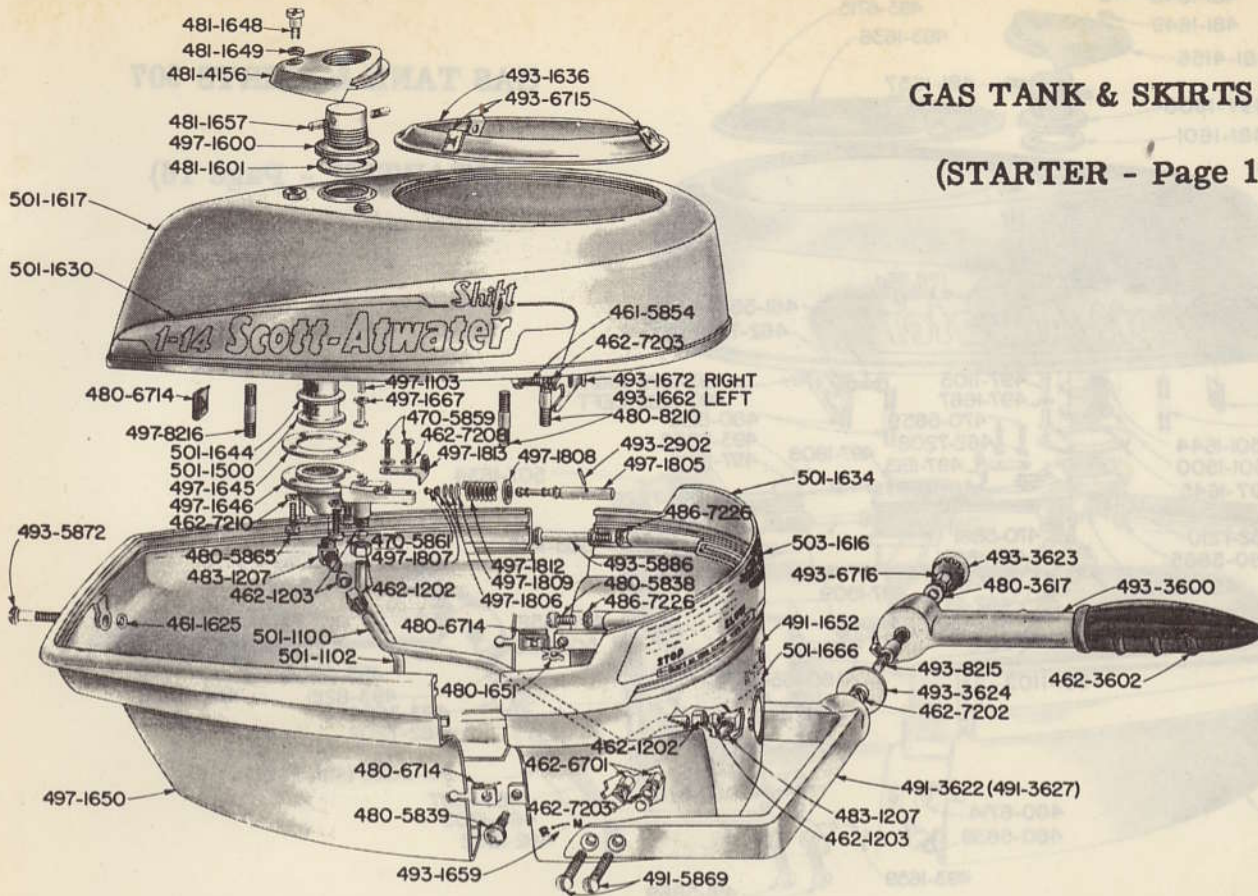
Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly
481-4110	Starter Ratchet Pulley
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Retainer Assembly
464-4114	Starter Spring Retainer Assembly
464-4120	Starter Pawl
464-4122	Starter Pulley Hub Bearing
501-4123	Starter Cord Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
464-4133	Starter Pawl Guide Plate Bearing
464-4134	Starter Housing Snap Cap
464-4136	Retaining Ring—Starter Pawl Friction Spring
464-4140	Starter Cord Assembly
471-4141	Starter Pivot Bolt Assembly
464-4142	Starter Cord Knob Cup
501-4143	Starter Cord Knob Cup Cover
481-4158	Starter Housing Assembly
493-5885	Starter Housing Clamp Screw
481-5863	Screw—Starter Ratchet Location
501-5905	Screw—Starter Pulley Hub
464-6710	Starter Pivot Bolt Nut
464-7217	L.W. Starter Pivot Bolt Nut

\*Not included with Motor



# GAS TANK & SKIRTS 501

(STARTER - Page 16)



Part Number	Description
501-1100	Gas Line
501-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
483-1207	Gas Line Compression Elbow
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
503-1616	Instruction Decal
501-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
501-1630	Name Decalomania
501-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
497-1646	Fuel Valve Body
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
497-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
491-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal
493-1662	Fastening Fork—Front Skirt L. H.
501-1666	Carburetor Control Knob Decal
497-1667	Seal—Gas Tank Vent Tube
493-1672	Fastening Fork—Front Skirt R. H.
*497-1805	Plunger
*497-1806	“O” Ring—Fuel Valve Plunger
*497-1807	Seal Washer
497-1808	Washer
*497-1809	“O” Ring—Fuel Valve Plunger
497-1811	Fuel Valve Plunger Assembly
497-1812	Spring—Fuel Valve Plunger

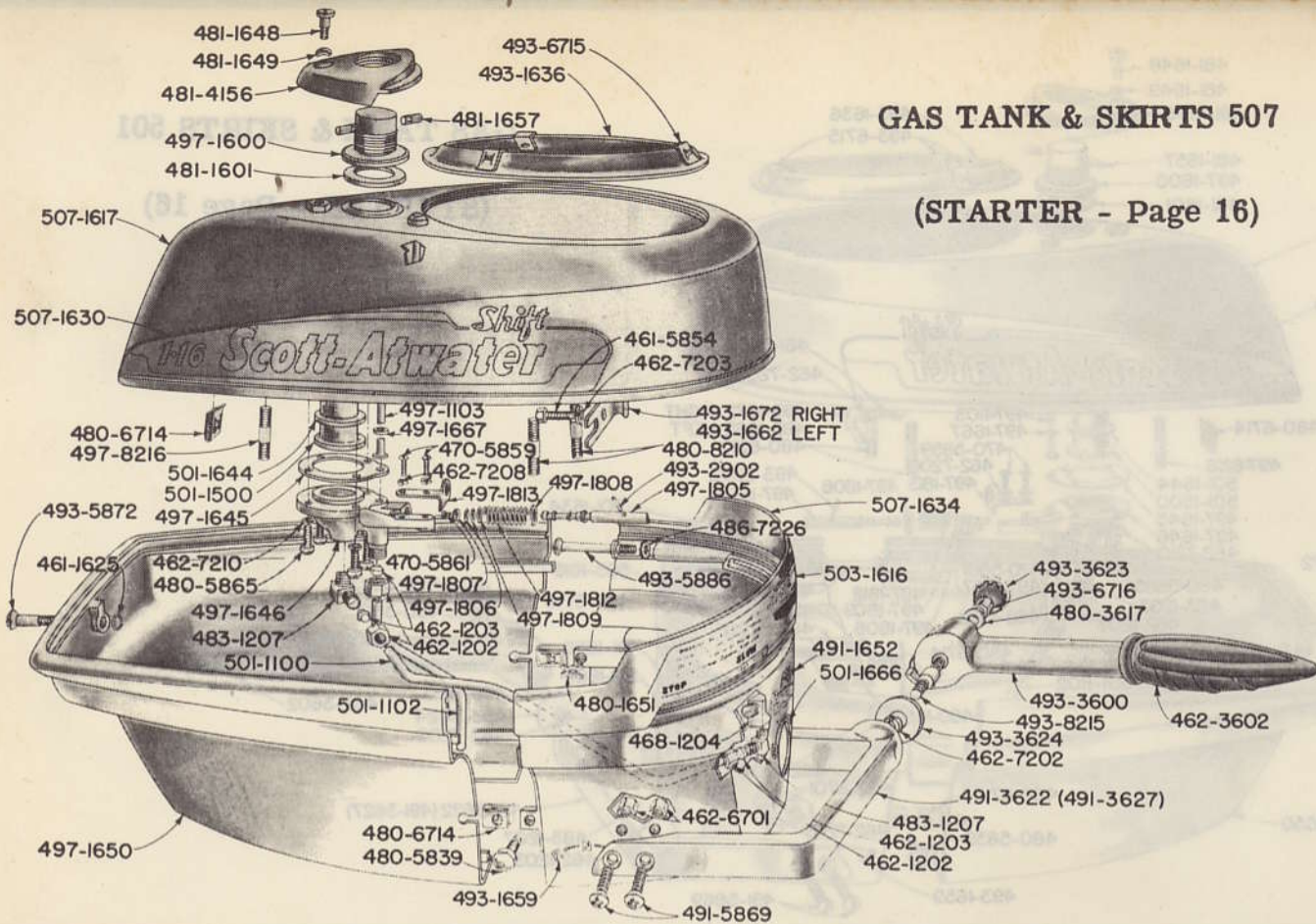
Part Number	Description
497-1813	Stop—Fuel Valve Plunger
*493-2902	Groove Pin—Plunger Washer
493-3600	Steering Handle Assembly
463-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
491-3622	Carrying Handle
493-3623	Plug Button
493-3624	Washer—Steering Handle Friction
491-3627	Carrying Handle Assembly (Includes 493-8215, 491-3622, 491-5869, 462-6701 and 462-7202)
481-4156	Retainer—Gas Tank Cap
480-5838	Screw—Gas Tank Skirt—Front
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
470-5859	Screw—Fuel Valve Plunger Stop
470-5861	Drive Screw—Plunger
480-5865	Screw—Filter Cup
491-5869	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6715	Speed Nut—Starter Fastening Ring
493-6716	Nut—Steering Handle
462-7202	Lockwasher—Carrying Handle
462-7203	Lockwasher—Fastening Fork and Carrying Handle
462-7208	Lockwasher—Fuel Valve Plunger Stop Screen
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting
493-8215	Stud—Carrying Handle
497-8216	Stud—Gas Tank Mounting Rear

\*Included in 497-1811 Fuel Valve Plunger Assembly



# GAS TANK & SKIRTS 507

(STARTER - Page 16)



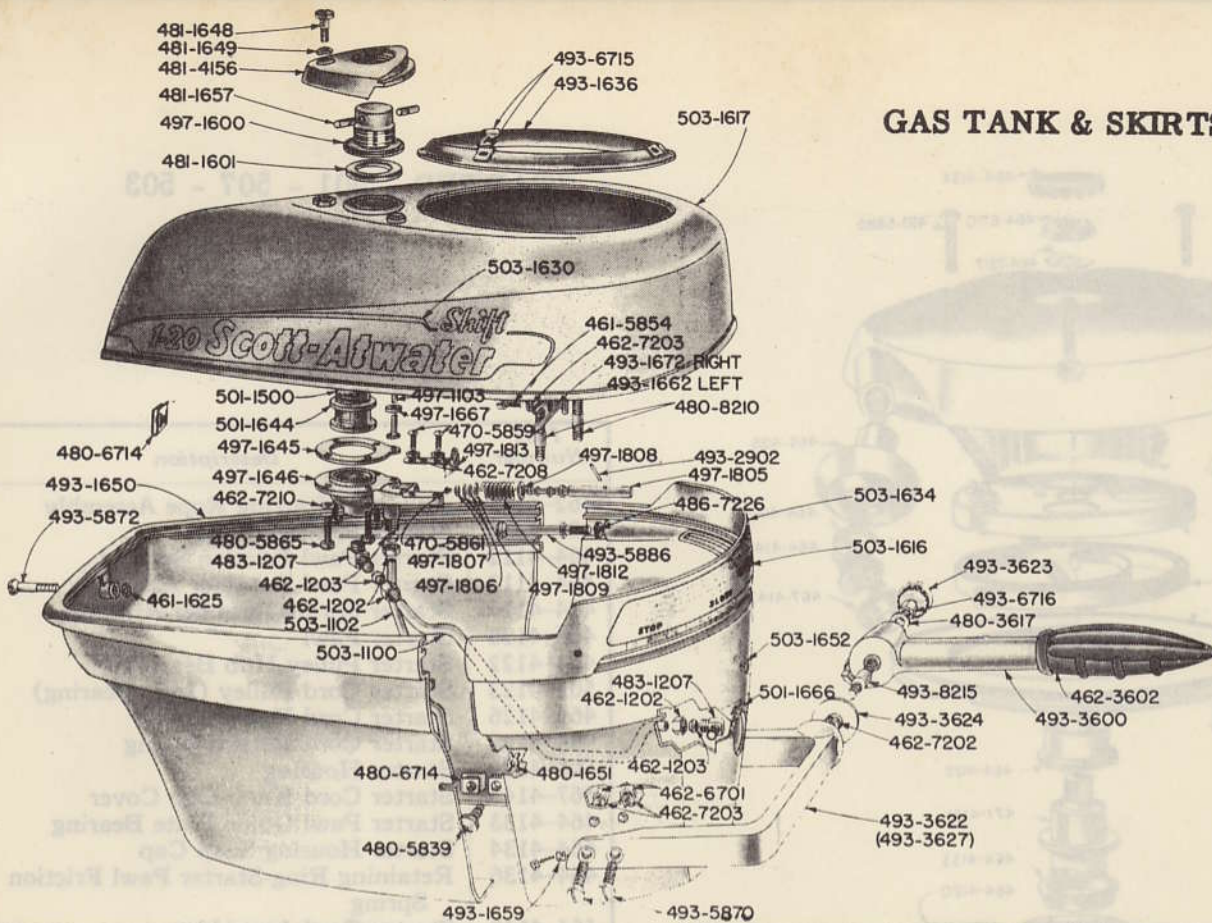
Part Number	Description
501-1100	Gas Line
501-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
483-1207	Gas Line Compression Elbow
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
503-1616	Instruction Decal
507-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
507-1630	Name Decalomania
507-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
497-1646	Fuel Valve Body
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
497-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
491-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal
493-1662	Fastening Fork—Front Skirt L. H.
501-1666	Carburetor Control Knob Decal
497-1667	Seal—Gas Tank Vent Tube
493-1672	Fastening Fork—Front Skirt R. H.
*497-1805	Plunger
*497-1806	“O” Ring—Fuel Valve Plunger
*497-1807	Seal Washer
497-1808	Washer
*497-1809	“O” Ring—Fuel Valve Plunger
497-1811	Fuel Valve Plunger Assembly
497-1812	Spring—Fuel Valve Plunger
497-1813	Stop—Fuel Valve Plunger

Part Number	Description
*493-2902	Groove Pin—Plunger Washer
493-3600	Steering Handle Assembly
463-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
491-3622	Carrying Handle
493-3623	Plug Button
493-3624	Washer—Steering Handle Friction
491-3627	Carrying Handle Assembly (Includes 493-8215, 491-3622, 491-5869, 462-6701 and 462-7202)
481-4156	Retainer—Gas Tank Cap
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
470-5859	Screw—Fuel Valve Plunger Stop
470-5861	Drive Screw—Plunger
480-5865	Screw—Filter Cup
491-5869	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6715	Speed Nut—Starter Fastening
493-6716	Nut—Steering Handle
462-7202	Lockwasher—Carrying Handle
462-7203	Lockwasher—Fastening Fork and Carrying Handle
462-7208	Lockwasher—Fuel Valve Plunger Stop Screw
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting
493-8215	Stud—Carrying Handle
497-8216	Stud—Gas Tank Mounting Rear

\*Included in 497-1811 Fuel Valve Plunger Assembly



# GAS TANK & SKIRTS 503



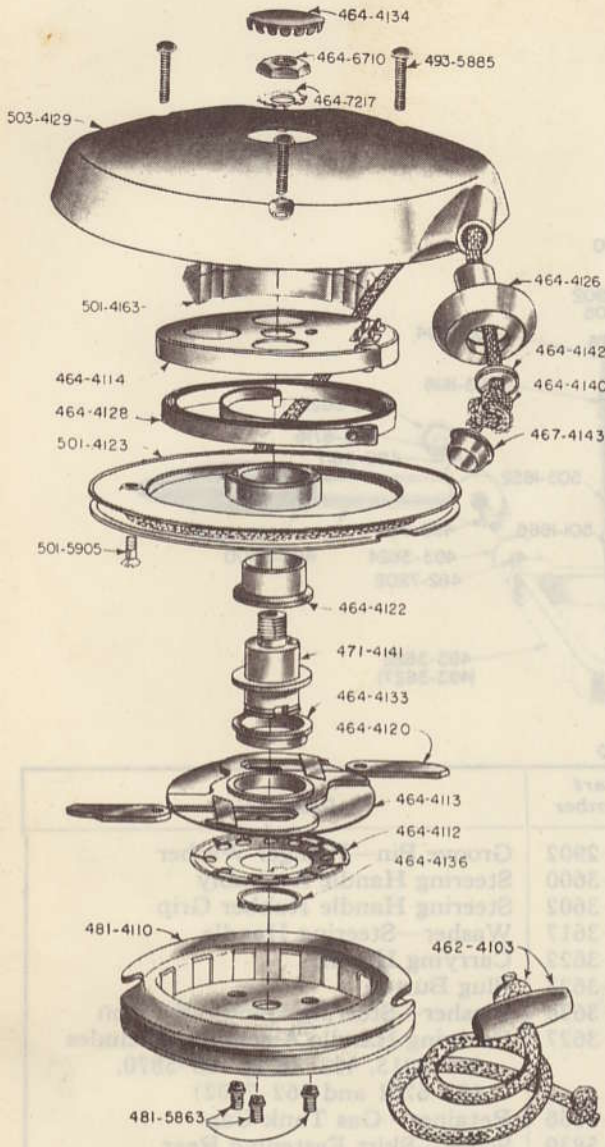
Part Number	Description
503-1100	Gas Line
503-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
483-1207	Gas Line Compression Elbow
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
503-1616	Instruction Decal
503-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
503-1630	Name Decalcomania
503-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
497-1646	Fuel Valve Body
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
493-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
503-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal
493-1662	Fastening Fork—Front Skirt L.H.
501-1666	Carburetor Control Knob Decal
497-1667	Seal—Gas Tank Vent Tube
493-1672	Fastening Fork—Front Skirt R. H.
*497-1805	Plunger
*497-1806	“O” Ring—Fuel Valve Plunger
*497-1807	Seal Washer
497-1808	Washer
*497-1809	“O” Ring—Fuel Valve Plunger
497-1811	Fuel Valve Plunger Assembly
497-1812	Spring—Fuel Valve Plunger
497-1813	Stop—Fuel Valve Plunger

Part Number	Description
*493-2902	Groove Pin—Plunger Washer
493-3600	Steering Handle Assembly
462-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
493-3622	Carrying Handle
493-3623	Plug Button
493-3624	Washer—Steering Handle Friction
493-3627	Carrying Handle Assembly (Includes 493-8215, 493-3622, 493-5870, 462-6701 and 462-7202)
481-4156	Retainer—Gas Tank Cap
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
470-5859	Screw—Fuel Valve Plunger Stop
470-5861	Drive Screw—Plunger
480-5865	Screw—Filter Cup
493-5870	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6716	Nut—Steering Handle
493-6715	Speed Nut—Starter Fastening
462-7202	Lockwasher—Carrying Handle
462-7203	Lockwasher—Fastening Fork and Carrying Handle
462-7208	Lockwasher—Fuel Valve Plunger Stop Screen
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting
493-8215	Stud—Carrying Handle

\*Included in 497-1811 Fuel Valve Plunger Assembly



STARTER - 501 - 507 - 503



Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly
481-4110	Starter Ratchet Pulley
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Retainer Assembly
464-4114	Starter Spring Retainer Assembly
464-4120	Starter Pawl
464-4122	Starter Pulley Hub Bearing
501-4123	Starter Cord Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
‡503-4129	Starter Housing
467-4143	Starter Cord Knob Cup Cover
464-4133	Starter Pawl Guide Plate Bearing
464-4134	Starter Housing Snap Cap
464-4136	Retaining Ring-Starter Pawl Friction Spring
464-4140	Starter Cord Assembly
471-4141	Starter Pivot Bolt Assembly
464-4142	Starter Cord Knob Cup
501-4163	Gasket—Starter Housing
493-5885	Starter Housing Clamp Screw
481-5863	Screw—Starter Ratchet Location
501-5905	Screw—Starter Pulley Hub
464-6710	Starter Pivot Bolt Nut
464-7217	L. W. Starter Pivot Bolt Nut

\*Not included with Motor

‡When replacing Part 503-4129 Starter Housing, Part 464-4114 is not used.

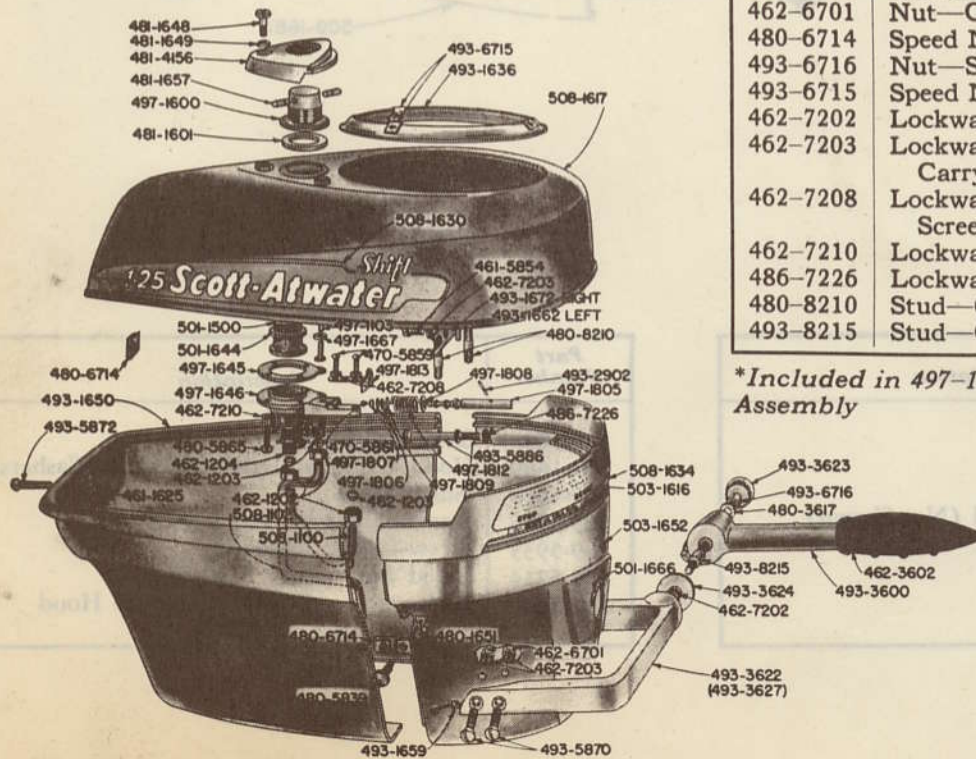


# GAS TANK AND SKIRTS 518

## STARTER - Page 21

Part Number	Description
508-1100	Gas Line
508-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sieve
462-1204	Gas Line Male Connector
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
503-1616	Instruction Decal
508-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
508-1630	Name Decalcomania
508-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
497-1646	Fuel Valve Body
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
508-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
503-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal

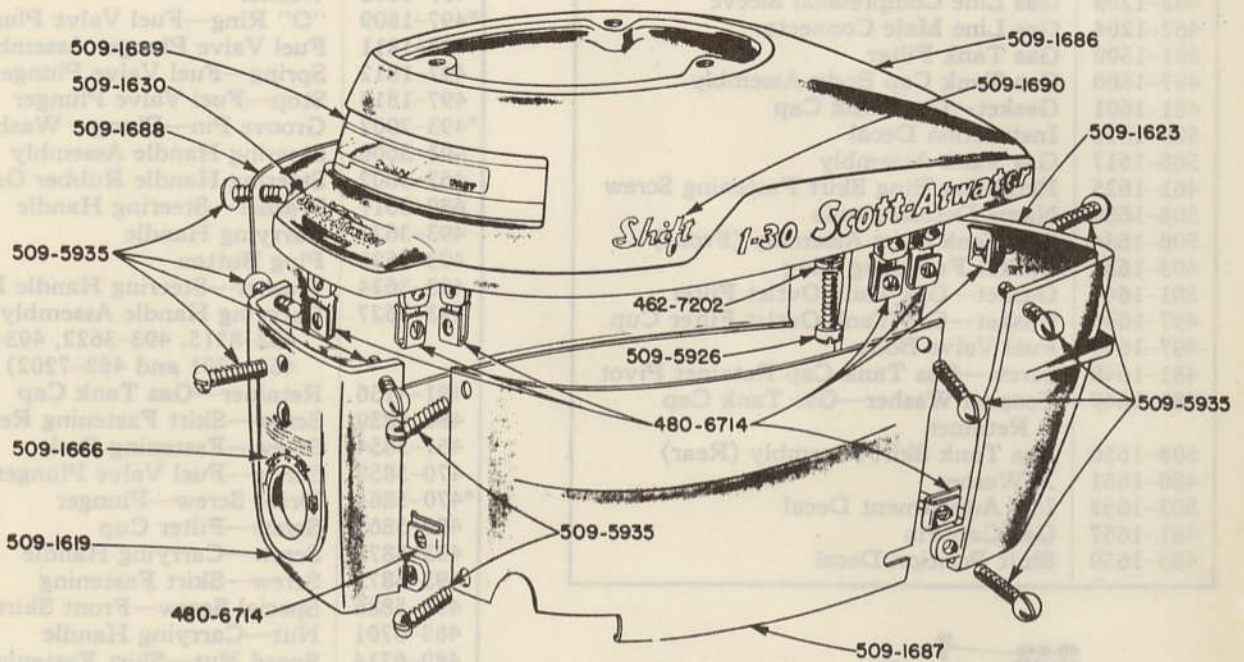
493-1662	Fastening Fork—Front Skirt L.H.
501-1666	Carburetor Control Knob Decal
497-1667	Seal—Gas Tank Vent Tube
493-1672	Fastening Fork—Front Skirt R. H.
*497-1805	Plunger
*497-1806	"O" Ring—Fuel Valve Plunger
*497-1807	Seal Washer
497-1808	Washer
*497-1809	"O" Ring—Fuel Valve Plunger
497-1811	Fuel Valve Plunger Assembly
497-1812	Spring—Fuel Valve Plunger
497-1813	Stop—Fuel Valve Plunger
*493-2902	Groove Pin—Plunger Washer
493-3600	Steering Handle Assembly
462-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
493-3622	Carrying Handle
493-3623	Plug Button
493-3624	Washer—Steering Handle Friction
493-3627	Carrying Handle Assembly (Includes 493-8215, 493-3622, 493-5870, 462-6701 and 462-7202)
481-4156	Retainer—Gas Tank Cap
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
470-5859	Screw—Fuel Valve Plunger Stop
*470-5861	Drive Screw—Plunger
480-5865	Screw—Filter Cup
493-5870	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6716	Nut—Steering Handle
493-6715	Speed Nut—Starter Fastening
462-7202	Lockwasher—Carrying Handle
462-7203	Lockwasher—Fastening Fork and Carrying Handle
462-7208	Lockwasher—Fuel Valve Plunger Stop
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting
493-8215	Stud—Carrying Handle



*\*Included in 497-1811 Fuel Valve Plunger Assembly*



**HOOD & SKIRTS 509**



Part Number	Description
509-1619	Front Skirt
509-1623	Rear Skirt
509-1630	Trademark Decal
493-1659	Shift Position Decal (Not Shown)
509-1666	Adjustment Decal
*509-1686	Hood Assembly
509-1687	Skirt Panel—Left

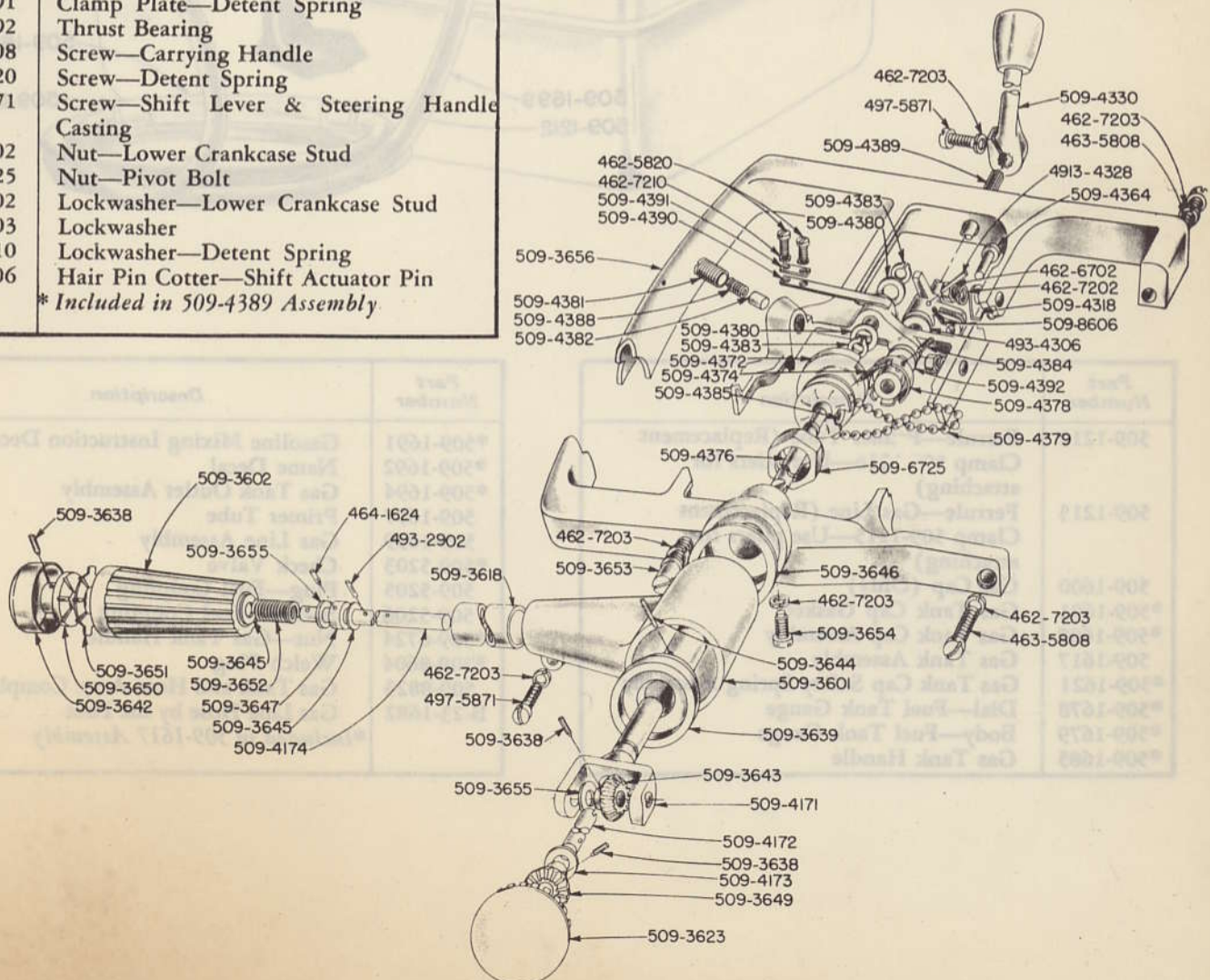
Part Number	Description
509-1688	Skirt Panel—Right
509-1689	Hood Window (Drive Screws & Washers)
509-1690	'Shift' Decal
509-5926	Screw—Cylinder Head to Hood
509-5935	Screw—Skirt Fastening
480-6714	Speed Nut—Skirt Fastening
462-7202	Lockwasher—Cylinder Head to Hood
* Includes 509-1689	



# CARRYING HANDLE 509

Part Number	Description
509-4174	Control Rod—Steering Handle
493-4306	Thrust Washer—Shift Actuator & Shift Lever Shaft Cup
509-4318	Drain Tube Support
*4913-4328	Taper Pin—Shift Actuator
509-4330	Shift Lever
509-4364	Pin—Shift Actuator
509-4372	Control Shaft Pulley Assembly
509-4374	Groove Pin—Control Shaft
509-4376	Control Shaft
509-4378	Cup—Shift Lever Shaft
509-4379	Bead Chain
509-4380	Thrust Washer—Control Shaft
509-4381	Retainer—Stop Detent
509-4382	Detent—Control Stop
509-4383	Retaining Ring—Control Shaft
509-4384	Groove Pin—Shift Lever Shaft Cup
509-4385	"O" Ring—Control Shaft Pulley Assembly
509-4388	Spring—Detent
509-4389	Shift Lever Shaft Assembly
509-4390	Spring—Shift Lever Detent
509-4391	Clamp Plate—Detent Spring
509-4392	Thrust Bearing
463-5808	Screw—Carrying Handle
462-5820	Screw—Detent Spring
497-5871	Screw—Shift Lever & Steering Handle Casting
462-6702	Nut—Lower Crankcase Stud
509-6725	Nut—Pivot Bolt
462-7202	Lockwasher—Lower Crankcase Stud
462-7203	Lockwasher
462-7210	Lockwasher—Detent Spring
509-8606	Hair Pin Cotter—Shift Actuator Pin
* Included in 509-4389 Assembly	

Part Number	Description
464-1624	Groove Pin—Steering Handle Plug
492-2902	Groove Pin—Control Rod
509-3601	Steering Handle
509-3602	Grip—Steering Handle
509-3618	Steering Handle Tube
509-3623	Plug Button—Steering Handle
509-3638	Groove Pin—Bevel Gear
509-3639	Pivot Bolt—Steering Handle
509-3642	Cap—Steering Handle Grip
509-3643	Speed Control Bevel Gear & Driver
509-3644	Pin—Control Gear Yoke Locating
509-3645	Washer—Clutch Spring & Control Rod
509-3646	Washer—Steering Handle Tension
509-3647	Plug—Steering Handle
509-3649	Bevel Gear—Control Shaft
509-3650	Driver—Safety Release Clutch
509-3651	Clutch Plate—Steering Grip
509-3652	Spring—Clutch
509-3653	Steering Handle Stop
509-3654	Screw—Steering Handle Pivot Bolt Retainer.
509-3655	Thrust Washer
509-3656	Carrying Handle
509-4171	Control Gear Yoke
509-4172	Shaft—Control Gear Stub
509-4173	Thrust Washer—Control Gear

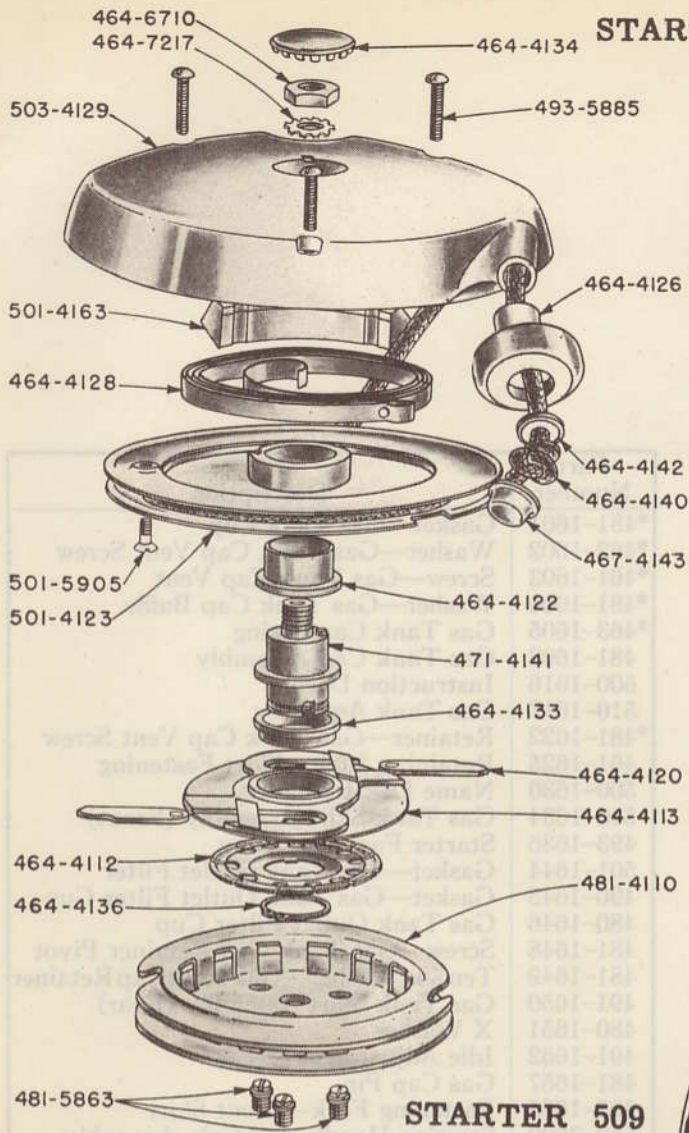






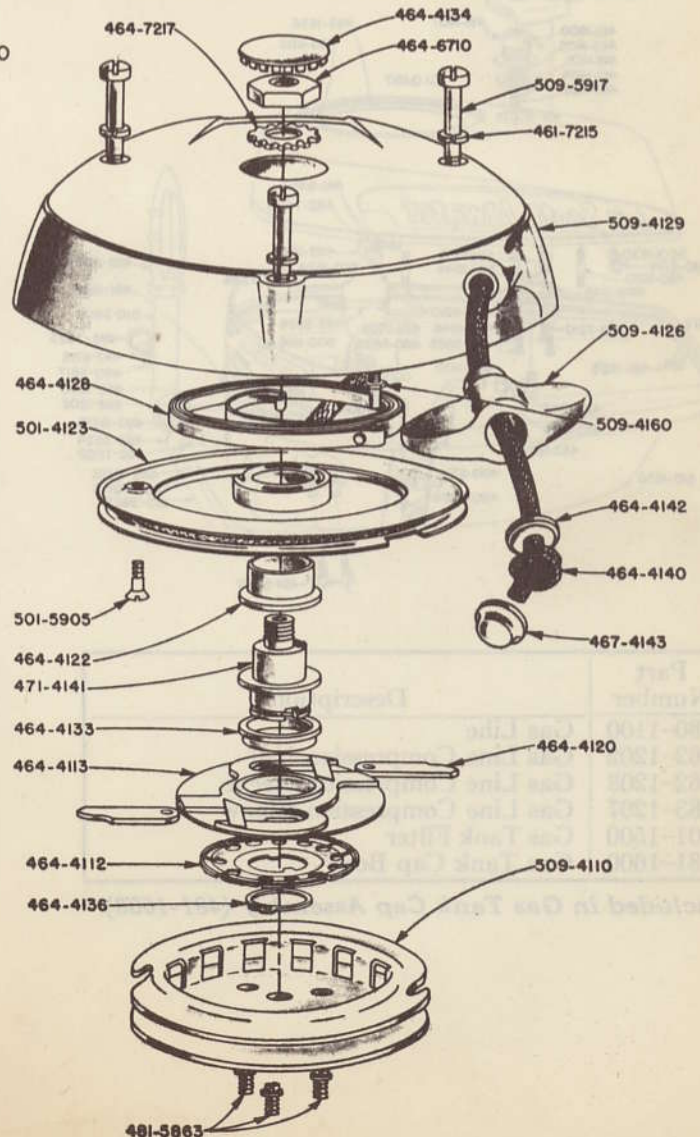


# STARTER 518



Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly
481-4110	Starter Ratchet Pulley
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Retainer Assembly
464-4120	Starter Pawl
464-4122	Starter Pulley Hub Bearing
501-4123	Starter Cord Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
503-4129	Starter Housing
464-4133	Starter Pawl Guide Plate Bearing
464-4134	Starter Housing Snap Cap
464-4136	Retaining Ring-Starter Pawl Friction Spring
464-4140	Starter Cord Assembly
471-4141	Starter Pivot Bolt Assembly
464-4142	Starter Cord Knob Cup
467-4143	Starter Cord Knob Cup Cover
501-4163	Gasket—Starter Housing
493-5885	Starter Housing Clamp Screw
481-5863	Screw—Starter Ratchet Location
501-5905	Screw—Starter Pulley Hub
464-6710	Starter Pivot Bolt Nut
464-7217	L.W. Starter Pivot Bolt Nut

\*Not included with Motor

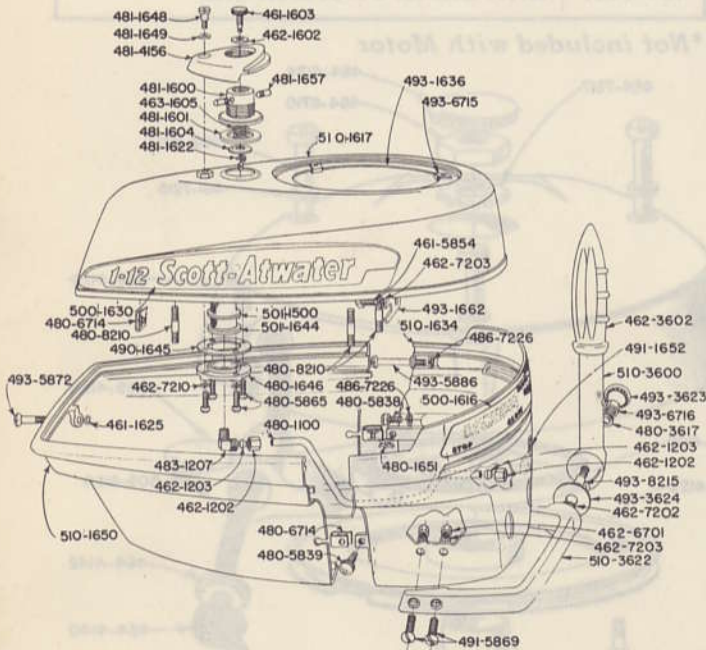


# STARTER 509

Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly
509-4110	Starter Ratchet Assembly
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Retainer Assembly
464-4120	Starter Pawl
464-4122	Starter Pulley Hub Bearing
501-4123	Starter Cord Pulley Assembly
509-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
509-4129	Starter Housing
464-4133	Starter Pawl Guide Plate Bearing
464-4134	Starter Housing Snap Cap
464-4136	Retaining Ring — Starter Pawl Friction Spring
464-4140	Starter Cord Assembly
471-4141	Starter Pivot Bolt Assembly
464-4142	Starter Cord Knob Cup
467-4143	Starter Cord Knob Cup Cover
509-4160	Starter Spring Outer Retaining Pin
481-5863	Screw—Starter Ratchet Location
501-5905	Screw—Starter Cord
509-5917	Screw—Starter Housing
464-6710	Nut—Starter Pivot Bolt
461-7215	Lockwasher—Starter Housing
464-7217	Lockwasher—Starter Pivot Bolt Nut
* Not Included With Motor	



**GAS TANK & SKIRTS - 510  
STARTER - PAGE P16**



Part Number	Description
480-1100	Gas Life
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
483-1207	Gas Line Compression Elbow
501-1500	Gas Tank Filter
*481-1600	Gas Tank Cap Body

\*Included in Gas Tank Cap Assembly (481-1608)

Part Number	Description
*481-1601	Gasket—Gas Tank Cap
*462-1602	Washer—Gas Tank Cap Vent Screw
*461-1603	Screw—Gas Tank Cap Vent
*481-1604	Washer—Gas Tank Cap Baffle
*463-1605	Gas Tank Cap Spring
481-1608	Gas Tank Cap Assembly
500-1616	Instruction Decal
510-1617	Gas Tank Assembly
*481-1622	Retainer—Gas Tank Cap Vent Screw
461-1625	Retaining Ring—Skirt Fastening
500-1630	Name Decalcomania
510-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
490-1645	Gasket—Gas Tank Outlet Filter Cup
480-1646	Gas Tank Outlet Filter Cup
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
491-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
491-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1662	Fastening Fork—Front Skirt
510-3600	Steering Handle and Grip Assembly
462-3602	Steering Handle Grip
480-3617	Washer—Steering Handle
510-3622	Carrying Handle
493-3623	Plug Button
493-3624	Washer—Steering Handle Friction
481-4156	Retainer—Gas Tank Cap
480-5838	Screw—Gas Tank Skirt Front
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
480-5865	Screw—Filter Cup
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6715	Speed Nut—Starter Fastening
493-6716	Nut—Steering Handle
462-7202	Lockwasher—Carrying Handle
462-7203	Lockwasher
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting
493-8215	Stud—Carrying Handle

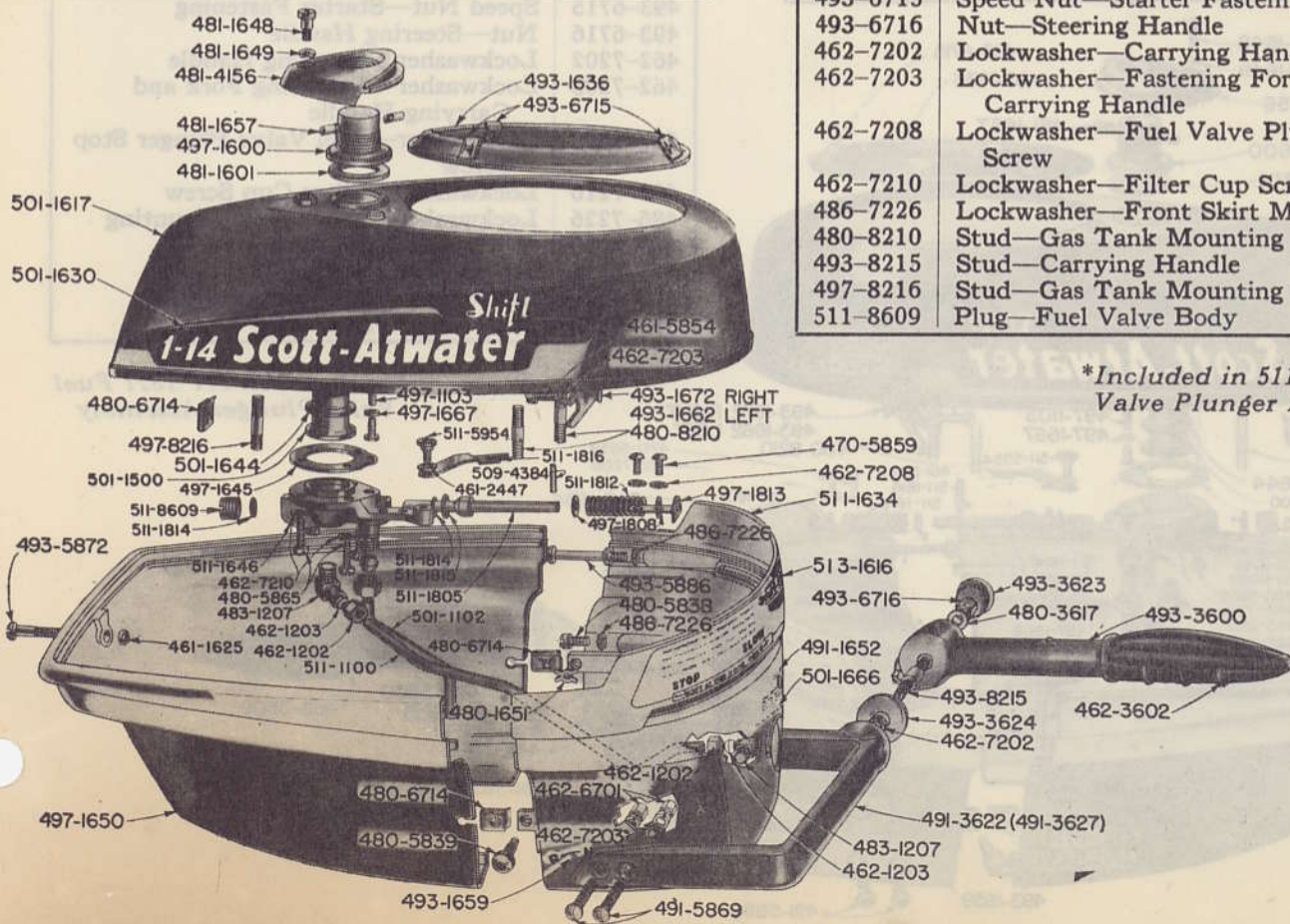


**GAS TANK & SKIRTS - 511  
STARTER - PAGE P16**

GAS TANK & SKIRTS - 511  
STARTER - PAGE P16

Part Number	Description
511-1100	Gas Line
501-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
483-1207	Gas Line Compression Elbow
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
513-1616	Instruction Decal
501-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
501-1630	Name Decalomania
511-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
511-1646	Fuel Valve Body
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
497-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
491-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal
493-1662	Fastening Fork—Front Skirt L. H.
501-1666	Carburetor Control Knob Decal
497-1667	Seal—Gas Tank Vent Tube

493-1672	Fastening Fork—Front Skirt R. H.
*511-1805	Plunger
497-1808	Washer
511-1811	Fuel Valve Plunger Assembly
511-1812	Spring—Fuel Valve Plunger
497-1813	Stop—Fuel Valve Plunger
511-1814	“O” Ring—Fuel Valve Plunger
511-1815	“O” Ring—Fuel Valve Plunger
511-1816	Fuel Valve Plunger Actuator
461-2447	Tension Spring—Fuel Valve Plunger Actuator
493-3600	Steering Handle Assembly
462-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
493-3622	Carrying Handle
493-3623	Plug Button
493-3624	Washer—Steering Handle Friction
493-3627	Carrying Handle Assembly (Includes 493-8215, 493-3622, 491-5869, 462-6701 and 462-7202)
481-4156	Retainer—Gas Tank Cap
*509-4384	Roll Pin—Plunger
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
470-5859	Screw—Fuel Valve Plunger Stop
480-5865	Screw—Filter Cup
491-5869	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
511-5954	Screw—Fuel Valve Plunger Actuator
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6715	Speed Nut—Starter Fastening
493-6716	Nut—Steering Handle
462-7202	Lockwasher—Carrying Handle
462-7203	Lockwasher—Fastening Fork and Carrying Handle
462-7208	Lockwasher—Fuel Valve Plunger Stop Screw
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting
493-8215	Stud—Carrying Handle
497-8216	Stud—Gas Tank Mounting Rear
511-8609	Plug—Fuel Valve Body



*\*Included in 511-1811 Fuel Valve Plunger Assembly*

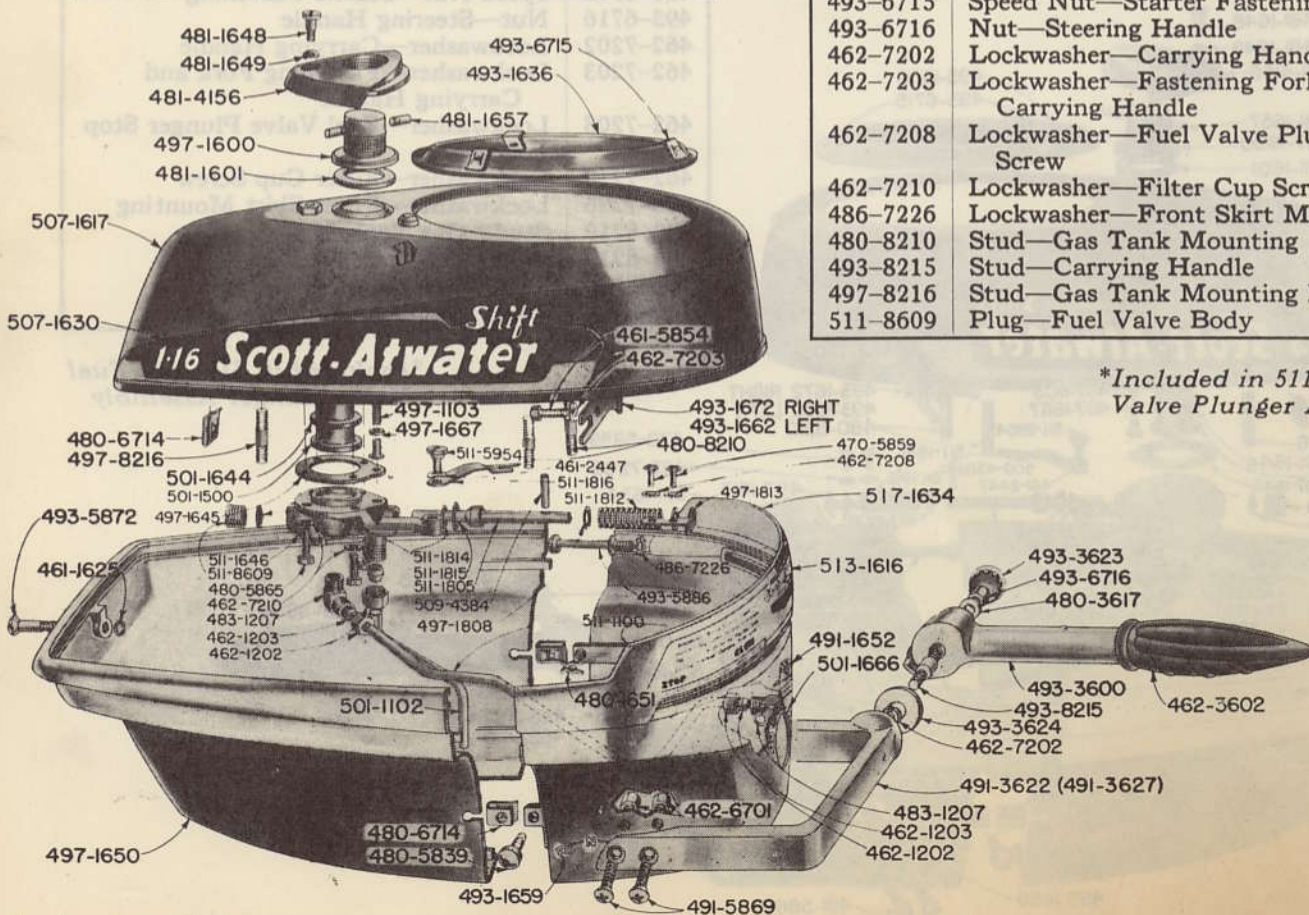


**GAS TANK & SKIRTS - 517  
STARTER - PAGE P16**

GAS TANK & SKIRTS - 517  
STARTER - PAGE P16

Part Number	Description
511-1100	Gas Line
501-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
483-1207	Gas Line Compression Elbow
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
513-1616	Instruction Decal
507-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
507-1630	Name Decalomania
517-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
497-1646	Fuel Valve Body
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
497-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
491-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal
493-1662	Fastening Fork—Front Skirt L. H.
501-1666	Carburetor Control Knob Decal
497-1667	Seal—Gas Tank Vent Tube

493-1672	Fastening Fork—Front Skirt R. H.
*511-1805	Plunger
497-1808	Washer
511-1811	Fuel Valve Plunger Assembly
511-1812	Spring—Fuel Valve Plunger
497-1813	Stop—Fuel Valve Plunger
511-1814	“O” Ring—Fuel Valve Plunger
511-1815	“O” Ring—Fuel Valve Plunger
511-1816	Fuel Valve Plunger Actuator
461-2447	Tension Spring—Fuel Valve Plunger Actuator
493-3600	Steering Handle Assembly
462-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
493-3622	Carrying Handle
493-3623	Plug Button
493-3624	Washer—Steering Handle Friction
493-3627	Carrying Handle Assembly (Includes 493-8215, 493-3622, 491-5869, 462-6701 and 462-7202)
481-4156	Retainer—Gas Tank Cap
*509-4384	Roll Pin—Plunger
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
470-5859	Screw—Fuel Valve Plunger Stop
480-5865	Screw—Filter Cup
491-5869	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
511-5954	Screw—Fuel Valve Plunger Actuator
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6715	Speed Nut—Starter Fastening
493-6716	Nut—Steering Handle
462-7202	Lockwasher—Carrying Handle
462-7203	Lockwasher—Fastening Fork and Carrying Handle
462-7208	Lockwasher—Fuel Valve Plunger Stop Screw
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting
493-8215	Stud—Carrying Handle
497-8216	Stud—Gas Tank Mounting Rear
511-8609	Plug—Fuel Valve Body



\*Included in 511-1811 Fuel Valve Plunger Assembly

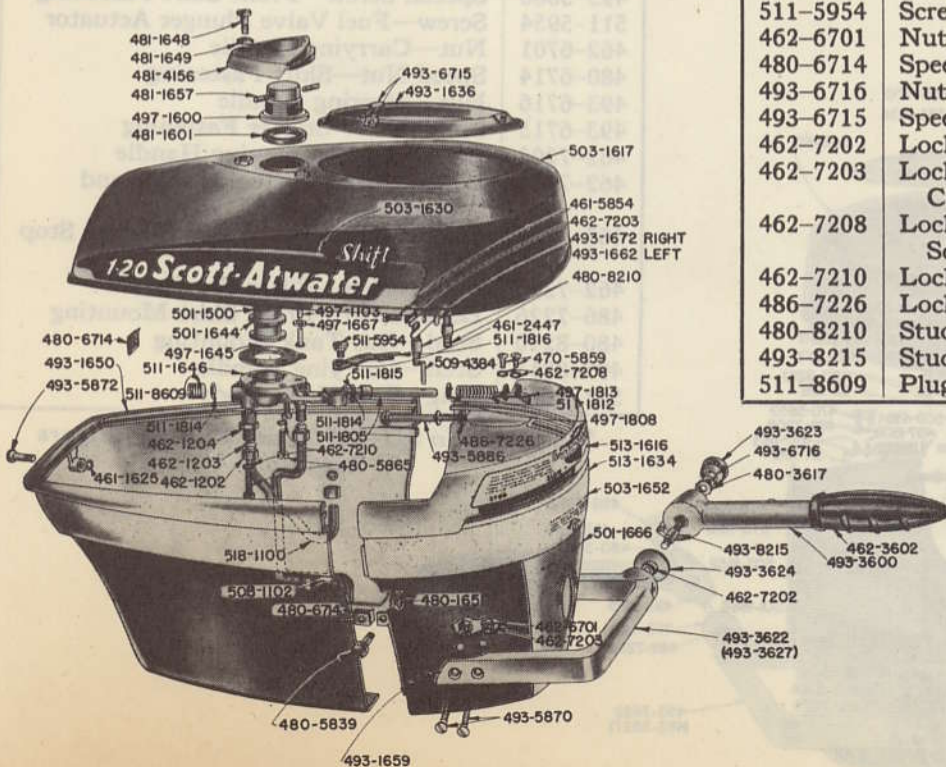


**GAS TANK & SKIRTS - 513  
STARTER - PAGE P16**

GAS TANK & SKIRTS - 513  
STARTER - PAGE P16

Part Number	Description
518-1100	Gas Line
508-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
462-1204	Gas Line Male Connector
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
513-1616	Instruction Decal
503-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
503-1630	Name Decalcomania
513-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
511-1646	Fuel Valve Body
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
493-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
503-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal

493-1662	Fastening Fork—Front Skirt L.H.
501-1666	Carburetor Control Knob Decal
497-1667	Seal—Gas Tank Vent Tube
493-1672	Fastening Fork—Front Skirt R. H.
*511-1805	Plunger
497-1808	Washer
511-1811	Fuel Valve Plunger Assembly
511-1812	Spring—Fuel Valve Plunger
497-1813	Stop—Fuel Valve Plunger
511-1814	“O” Ring—Fuel Valve Plunger
511-1815	“O” Ring—Fuel Valve Plunger
511-1816	Fuel Valve Plunger Actuator
461-2447	Tension Spring—Fuel Valve Plunger Actuator
493-3600	Steering Handle Assembly
462-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
493-3622	Carrying Handle
493-3623	Plug Button
493-3624	Washer—Steering Handle Friction
493-3627	Carrying Handle Assembly (Includes 493-8215, 493-3622, 493-5870, 462-6701 and 462-7202)
481-4156	Retainer—Gas Tank Cap
*509-4384	Roll Pin—Plunger
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
470-5859	Screw—Fuel Valve Plunger Stop
480-5865	Screw—Filter Cup
493-5870	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
511-5954	Screw—Fuel Valve Plunger Actuator
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6716	Nut—Steering Handle
493-6715	Speed Nut—Starter Fastening
462-7202	Lockwasher—Carrying Handle
462-7203	Lockwasher—Fastening Fork and Carrying Handle
462-7208	Lockwasher—Fuel Valve Plunger Stop Screw
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting
493-8215	Stud—Carrying Handle
511-8609	Plug—Fuel Valve Body



*\*Included in 511-1811  
Fuel Valve Plunger Assembly*

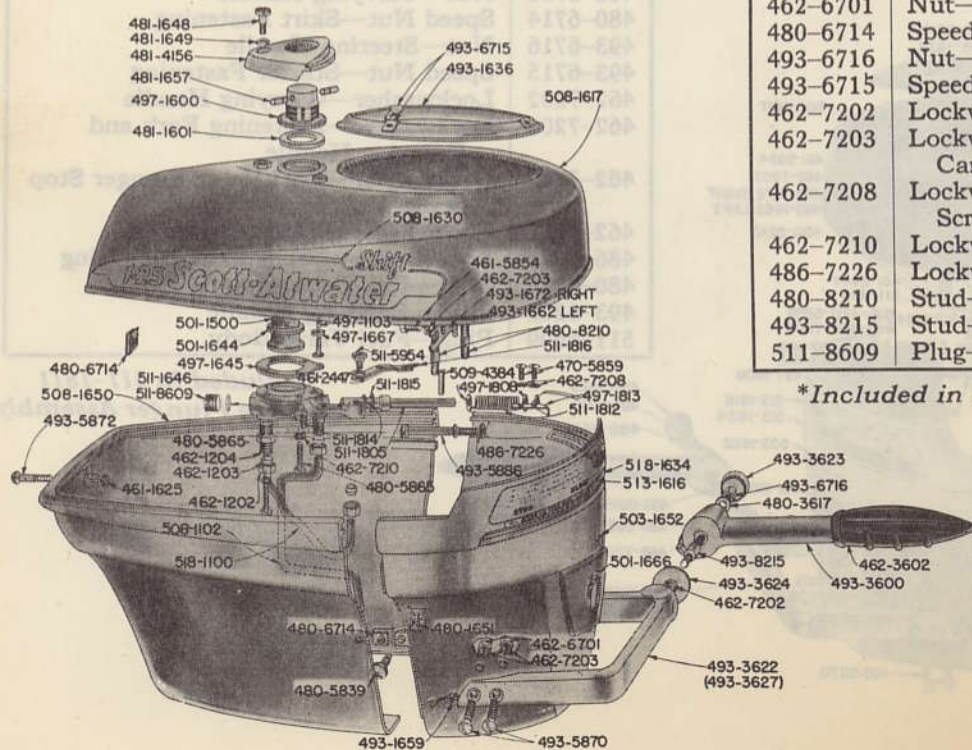


**GAS TANK & SKIRTS - 518  
STARTER - PAGE P16**

GAS TANK & SKIRTS - 518  
STARTER - PAGE P16

Part Number	Description
518-1100	Gas Line
508-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
462-1204	Gas Line Male Connector
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
513-1616	Instruction Decal
508-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
508-1630	Name Decalcomania
518-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
511-1646	Fuel Valve Body
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
508-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
503-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal

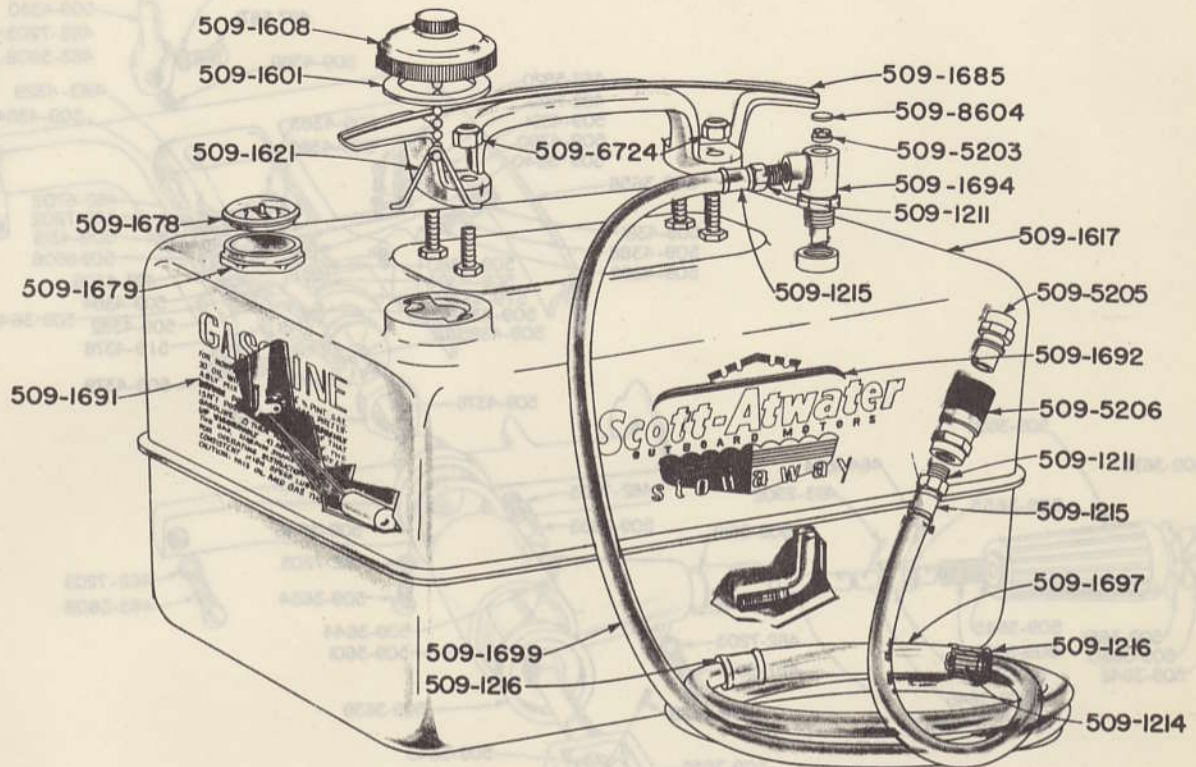
493-1662	Fastening Fork—Front Skirt L.H.
501-1666	Carburetor Control Knob Decal
497-1667	Seal—Gas Tank Vent Tube
493-1672	Fastening Fork—Front Skirt R. H.
*511-1805	Plunger
497-1808	Washer
511-1811	Fuel Valve Plunger Assembly
511-1812	Spring—Fuel Valve Plunger
497-1813	Stop—Fuel Valve Plunger
*511-1814	“O” Ring—Fuel Valve Plunger
511-1815	“O” Ring—Fuel Valve Plunger
511-1816	Fuel Valve Plunger Actuator
461-2447	Tension Spring—Fuel Valve Plunger Actuator
493-3600	Steering Handle Assembly
462-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
493-3622	Carrying Handle
493-3623	Plug Button
493-3624	Washer—Steering Handle Friction
493-3627	Carrying Handle Assembly (Includes 493-8215, 493-3622, 493-5870, 462-6701 and 462-7202)
481-4156	Retainer—Gas Tank Cap
509-4384	Roll Pin—Plunger
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
470-5859	Screw—Fuel Valve Plunger Stop
480-5865	Screw—Filter Cup
493-5870	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
511-5954	Screw—Fuel Valve Plunger Actuator
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6716	Nut—Steering Handle
493-6715	Speed Nut—Starter Fastening
462-7202	Lockwasher—Carrying Handle
462-7203	Lockwasher—Fastening Fork and Carrying Handle
462-7208	Lockwasher—Fuel Valve Plunger Stop Screw
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
480-8210	Stud—Gas Tank Mounting
493-8215	Stud—Carrying Handle
511-8609	Plug—Fuel Valve Body



*\*Included in 511-1811 Fuel Valve Plungers Assembly*



STOWAWAY TANK - 519



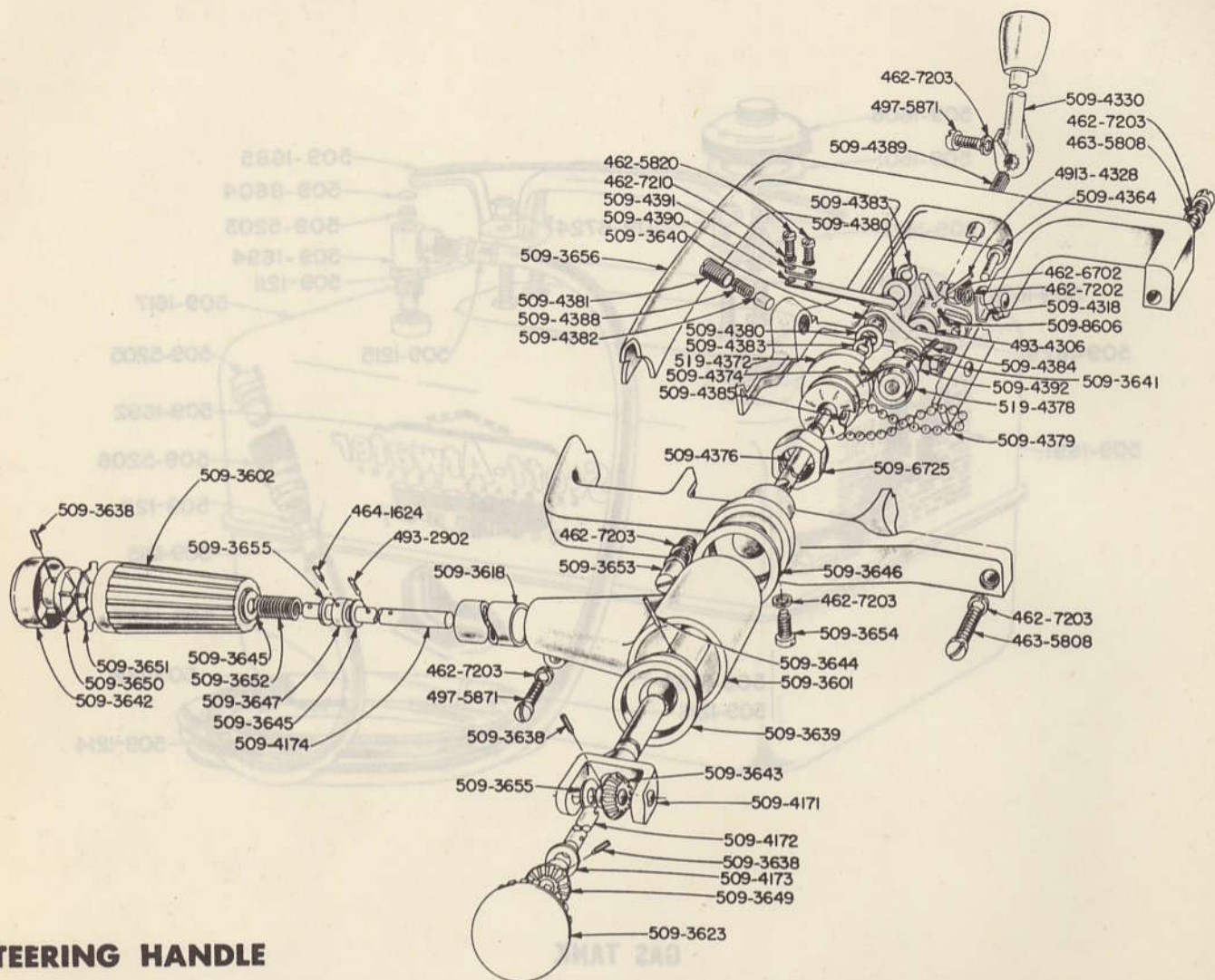
GAS TANK

Part Number	Description
509-1211	Gas Line Coupling
509-1214	Insert—Primer Tube
509-1215	Ferrule—Primer Tube
509-1216	Ferrule—Gas Line
509-1600	Gas Cap (Only)
*509-1601	Gas Tank Cap Gasket
*509-1608	Gas Tank Cap Assembly
509-1617	Gas Tank Assembly
*509-1621	Gas Tank Cap Safety Spring Assembly
*509-1678	Dial—Fuel Tank Gauge
*509-1679	Body—Fuel Tank Gauge
*509-1685	Gas Tank Handle

Part Number	Description
*509-1691	Gasoline Mixing Instruction Decal
*509-1692	Name Decal
*509-1694	Gas Tank Outlet Assembly
509-1697	Primer Tube
509-1699	Gas Line Assembly
*509-5203	Check Valve
509-5205	Plug—Fuel Coupling
509-5206	Socket—Fuel Coupling
*509-6724	Nut—Gas Tank Handle
*509-8604	Welch Plug
509-8823	Gas Tank and Hose Assy. Complete
B-23-1682	Gas Line Hose by the Foot
<i>*Included in 509-1617 Assembly</i>	



# STEERING AND CARRYING HANDLE - 519



## STEERING HANDLE

Part Number	Description
464-1624	Groove Pin—Steering Handle Plug
493-2902	Groove Pin—Control Rod
509-3600	Steering Handle Assy.—Complete
509-3601	Steering Handle Casting
509-3602	Grip—Steering Handle
509-3618	Steering Handle Tube
509-3623	Plug Button—Steering Handle
509-3638	Groove Pin—Bevel Gear
509-3639	Pivot Bolt—Steering Handle
509-3642	Cap—Steering Handle Grip
509-3643	Speed Control Bevel Gear & Driver
509-3644	Pin—Control Gear Yoke Locating
509-3645	Washer—Clutch Spring & Control Rod
509-3646	Washer—Steering Handle Tension
509-3640	Bearing—Control Shaft
509-3641	Bearing—Shift Lever Shaft

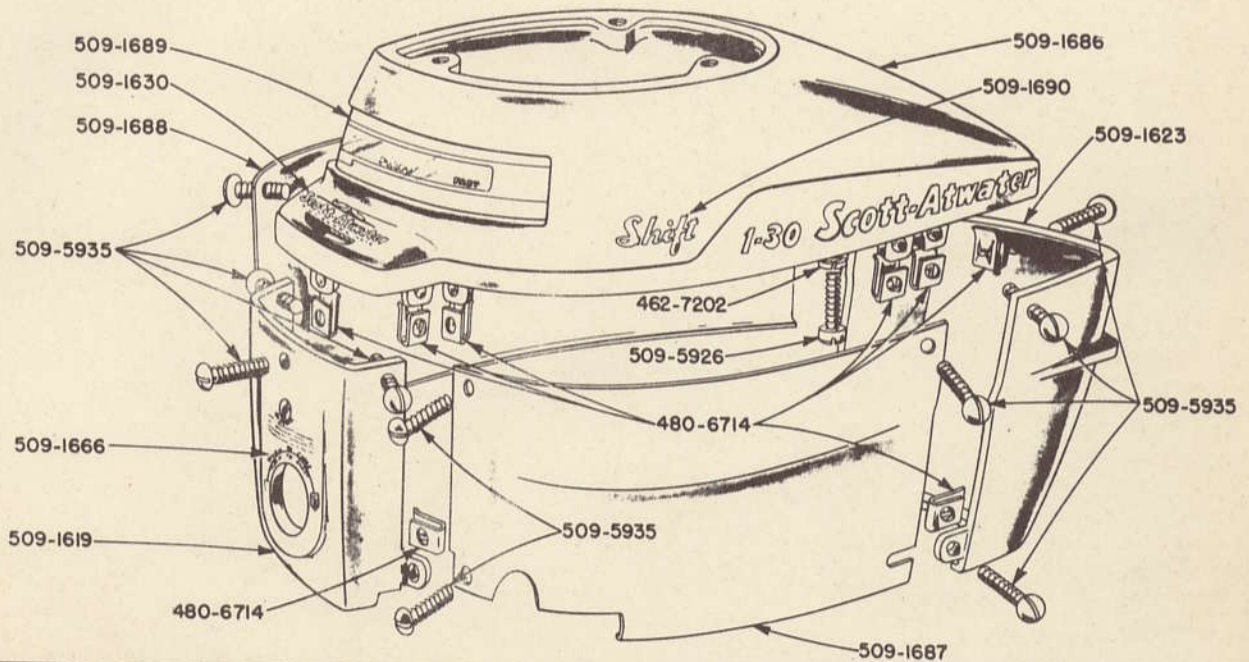
Part Number	Description
509-3647	Plug—Steering Handle
509-3649	Bevel Gear—Control Shaft
509-3650	Driver—Safety Release Clutch
509-3651	Clutch Plate—Steering Grip
509-3652	Spring—Clutch
509-3653	Steering Handle Stop
509-3654	Screw—Pivot Bolt Retainer.
509-3655	Thrust Washer
509-4171	Control Gear Yoke
509-4172	Shaft—Control Gear Stub
509-4173	Thrust Washer—Control Gear
509-4174	Control Rod—Steering Handle
497-5871	Screw—Steering Handle Casting
509-6725	Nut—Pivot Bolt
462-7203	Lock Washer



CARRYING HANDLE AND SKIRTS - 519  
STARTER - PAGE P21

Part Number	Description
519-3622	Carrying Handle Assembly Complete
493-4306	Thrust Washer—Shift Actuator & Shift Lever Shaft Cup
509-4318	Drain Tube Support
*4913-4328	Taper Pin—Shift Actuator
509-4330	Shift Lever
509-4364	Pin—Shift Actuator
519-4372	Control Shaft Pulley Assembly
509-4374	Groove Pin—Control Shaft
509-4376	Control Shaft
519-4378	Cup—Shift Lever Shaft
509-4379	Bead Chain
509-4380	Thrust Washer—Control Shaft
509-4381	Retainer—Stop Detent
509-4382	Detent—Control Stop
509-4383	Retaining Ring—Control Shaft

Part Number	Description
509-4384	Groove Pin—Shift Lever Shaft Cup
509-4385	"O" Ring—Control Shaft Pulley Assembly
509-4388	Spring—Detent
509-4389	Shift Lever Shaft Assembly
509-4390	Spring—Shift Lever Detent
509-4391	Clamp Plate—Detent Spring
509-4392	Thrust Bearing
463-5808	Screw—Carrying Handle
462-5820	Screw—Detent Spring
497-5871	Screw—Shift Lever
462-6702	Nut—Lower Crankcase Stud
462-7202	Lockwasher—Lower Crankcase Stud
462-7203	Lockwasher
462-7210	Lockwasher—Detent Spring
509-8606	Hair Pin Cotter—Shift Actuator Pin
* Included in 509-4389 Assembly	

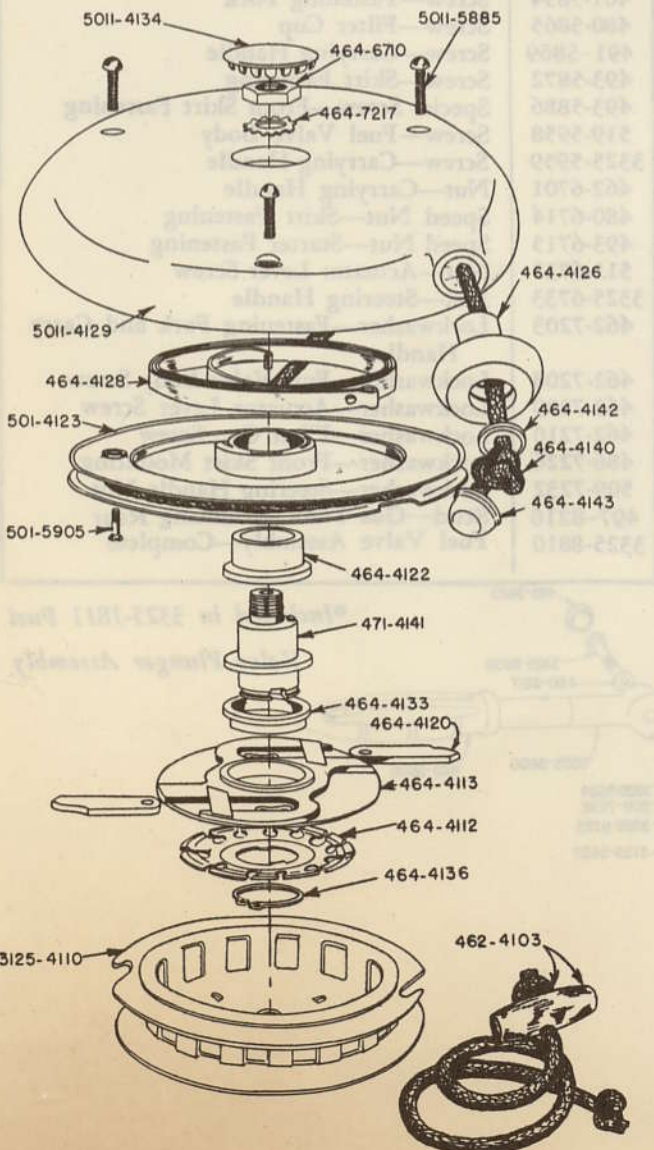
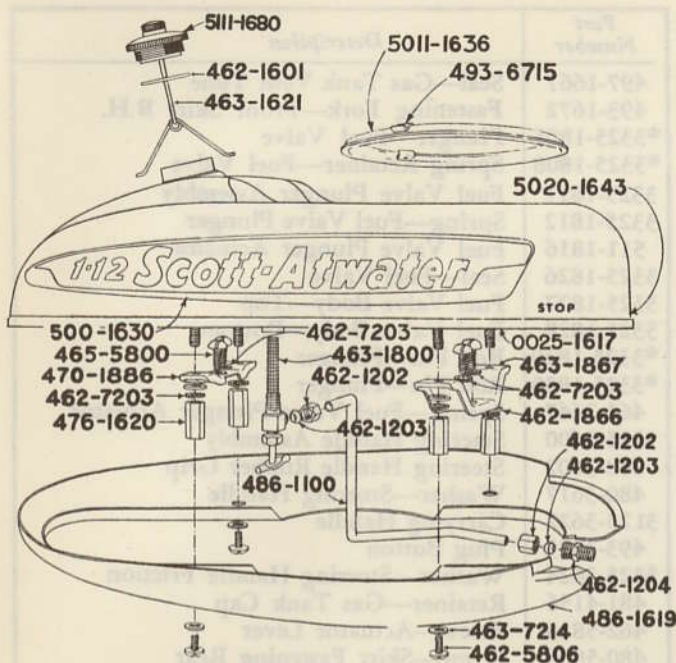


Part Number	Description
509-1619	Front Skirt
509-1623	Rear Skirt
509-1630	Trademark Decal
493-1659	Shift Position Decal (Not Shown)
509-1666	Adjustment Decal
*509-1686	Hood Assembly
509-1687	Skirt Panel—Left

Part Number	Description
509-1688	Skirt Panel—Right
509-1689	Hood Window (Drive Screws & Washers)
509-1690	'Shift' Decal
509-5926	Screw—Cylinder Head to Hood
509-5935	Screw—Skirt Fastening
480-6714	Speed Nut—Skirt Fastening
462-7202	Lockwasher—Cylinder Head to Hood
* Includes 509-1689	



# GAS TANK & SKIRTS 3025



Part Number	Description
486-1100	Gas Line
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
462-1204	Gas Line Male Connector
462-1601	Gas Tank Cap Gasket
5111-1608	Gas Tank Cap Assembly
0025-1617	Gas Tank Assembly
486-1619	Gas Tank Skirt
476-1620	Gas Tank Skirt Screw Spacer
463-1621	Gas Tank Cap Safety Spring Assembly
500-1630	Name Decalomania
5011-1636	Starter Fastening Ring
5020-1643	Magneto Control Lever Position Decalomania
463-1800	Gas Line Shutoff and Screen Assembly
462-1866	Gas Tank Bracket Washer
463-1867	Front Gas Tank Bracket
470-1886	Rear Gas Tank Bracket
465-5800	Gas Tank Bracket Screw
462-5806	Screw—Gas Tank Skirt
493-6715	Speed Nut Starter Fastening
462-7203	Lockwasher—Gas Tank and Bracket Screw
463-7214	Lockwasher—Gas Tank Screw Skirt

# STARTER 3025

Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly *Not included with motor
3125-4110	Starter Ratchet-Pulley
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Plate (Incl. Bearing)
464-4120	Starter Pawl
464-4122	Starter Cord and Spring Retainer Hub Bearing
501-4123	Starter Spring Plate Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
5011-4129	Starter Housing
464-4133	Starter Pawl Hub Bearing
5110-4134	Starter Housing Snap Cap
464-4136	Retaining Ring—Starter Spring Washer
464-4140	Starter Cord
471-4141	Starter Pivot Bolt Assembly
464-4142	Starter Cord Knob Cup
464-4143	Starter Cord Knob Cup Cover
5011-5885	Starter Housing Clamp Screw
501-5905	Screw—Starter Pulley Hub
464-6710	Starter Pivot Bolt Nut
464-7217	Lock Washer—Starter Pivot Bolt Nut

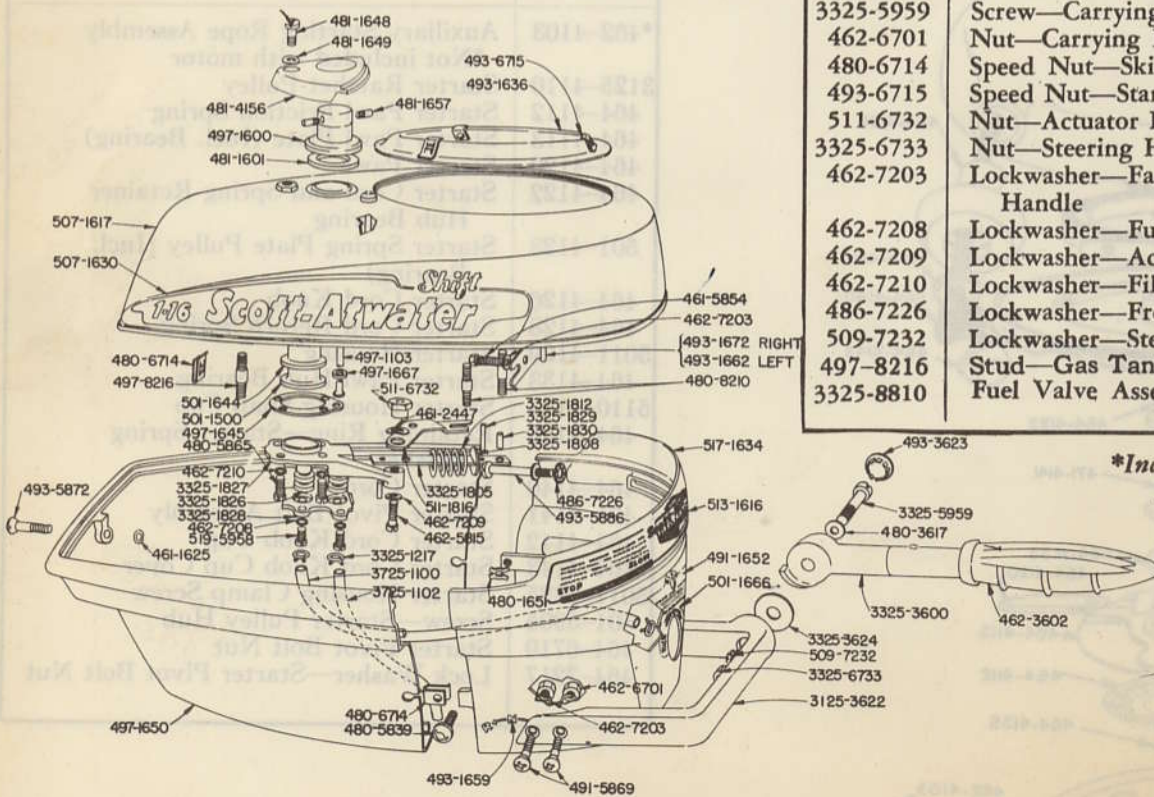


# GAS TANK & SKIRTS 3725

GAS TANK & SKIRTS 3725

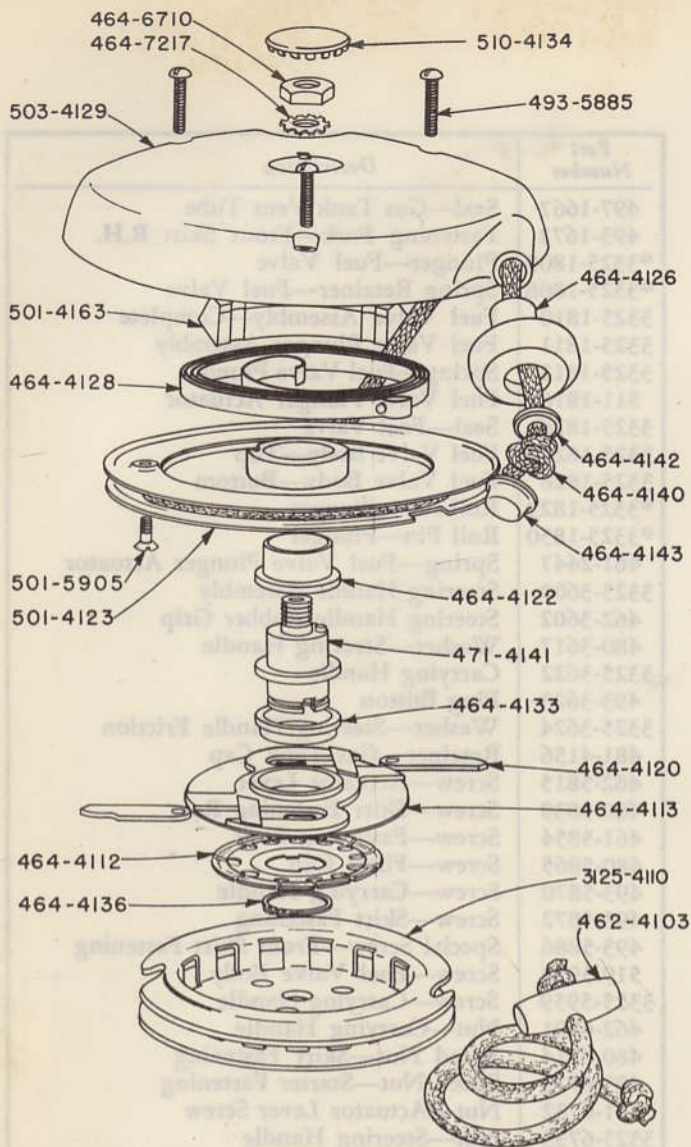
Part Number	Description
3725-1100	Gas Line
3725-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
3325-1217	Hose Clamp
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
513-1616	Instruction Decal
507-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
507-1630	Name Decalomania
517-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
497-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
491-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal
493-1662	Fastening Fork—Front Skirt L.H.
501-1666	Carburetor Control Knob Decal

Part Number	Description
497-1667	Seal—Gas Tank Vent Tube
493-1672	Fastening Fork—Front Skirt R.H.
*3325-1805	Plunger—Fuel Valve
*3325-1808	Spring Retainer—Fuel Valve
3325-1811	Fuel Valve Plunger Assembly
3325-1812	Spring—Fuel Valve Plunger
511-1816	Fuel Valve Plunger Actuator
3325-1826	Seal—Fuel Valve
3325-1827	Fuel Valve Body—Top
3325-1828	Fuel Valve Body—Bottom
*3325-1829	Roll Pin—Plunger
*3325-1830	Roll Pin—Plunger
461-2447	Spring—Fuel Valve Plunger Actuator
3325-3600	Steering Handle Assembly
462-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
3125-3622	Carrying Handle
493-3623	Pfug Button
3325-3624	Washer—Steering Handle Friction
481-4156	Retainer—Gas Tank Cap
462-5815	Screw—Actuator Lever
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
480-5865	Screw—Filter Cup
491-5869	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
519-5958	Screw—Fuel Valve Body
3325-5959	Screw—Carrying Handle
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6715	Speed Nut—Starter Fastening
511-6732	Nut—Actuator Lever Screw
3325-6733	Nut—Steering Handle
462-7203	Lockwasher—Fastening Fork and Carry Handle
462-7208	Lockwasher—Fuel Valve Body Screw
462-7209	Lockwasher—Actuator Lever Screw
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
509-7232	Lockwasher—Steering Handle Nut
497-8216	Stud—Gas Tank Mounting Rear
3325-8810	Fuel Valve Assembly—Complete



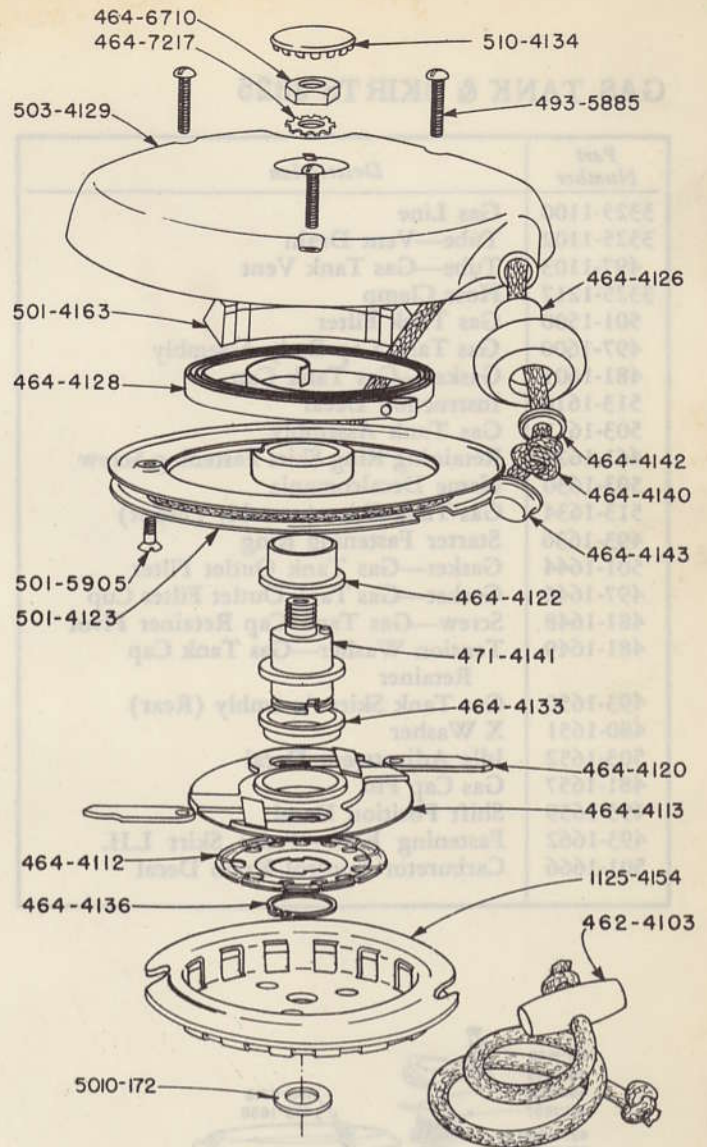
\*Included in 3325-1811 Fuel Valve Plunger Assembly





**STARTER 3725**

Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly
3125-4110	Starter Ratchet Pulley
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Retainer Assembly
464-4120	Starter Pawl
464-4122	Starter Pulley Hub Bearing
501-4123	Starter Cord Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
503-4129	Starter Housing
464-4133	Starter Pawl Guide Plate Bearing
510-4134	Starter Housing Snap Cap
464-4136	Retaining Ring-Starter Pawl Friction Spring
464-4140	Starter Cord Assembly
471-4141	Starter Pivot Bolt Assembly
464-4142	Starter Cord Knob Cup
464-4143	Starter Cord Knob Cup Cover
501-4163	Gasket—Starter Housing
493-5885	Starter Housing Clamp Screw
501-5905	Screw—Starter Pulley Hub
464-6710	Starter Pivot Bolt Nut
464-7217	L.W. Starter Pivot Bolt Nut
<i>*Not included with Motor</i>	



**STARTER 3325**

Part Number	Description
5010-172	Washer—Ratchet Cup Spacer
*462-4103	Auxiliary Starting Rope Assembly
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Retainer Assembly
464-4120	Starter Pawl
464-4122	Starter Pulley Hub Bearing
501-4123	Starter Cord Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
503-4129	Starter Housing
464-4133	Starter Pawl Guide Plate Bearing
510-4134	Starter Housing Snap Cap
464-4136	Retaining Ring-Starter Pawl Friction Spring
464-4140	Starter Cord Assembly
471-4141	Starter Pivot Bolt Assembly
464-4142	Starter Cord Knob Cup
464-4143	Starter Cord Knob Cup Cover
1125-4154	Starter Ratchet Pulley
501-4163	Gasket—Starter Housing
493-5885	Starter Housing Clamp Screw
501-5905	Screw—Starter Pulley Hub
464-6710	Starter Pivot Bolt Nut
464-7217	L. W. Starter Pivot Bolt Nut

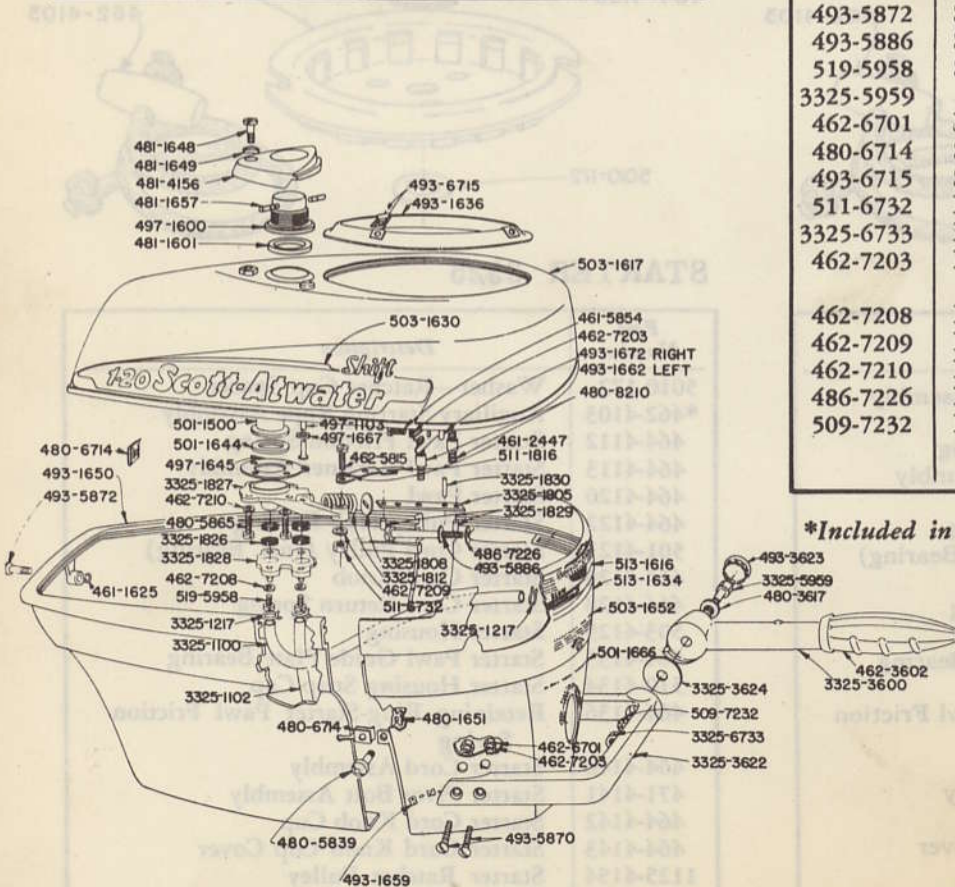
*\*Not included with Motor*



# GAS TANK & SKIRTS 3325

Part Number	Description
3325-1100	Gas Line
3325-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
3325-1217	Hose Clamp
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
513-1616	Instruction Decal
503-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
503-1630	Name Decalcomania
513-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
493-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
503-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal
493-1662	Fastening Fork—Front Skirt L.H.
501-1666	Carburetor Control Knob Decal

Part Number	Description
497-1667	Seal—Gas Tank Vent Tube
493-1672	Fastening Fork—Front Skirt R.H.
*3325-1805	Plunger—Fuel Valve
*3325-1808	Spring Retainer—Fuel Valve
3325-1810	Fuel Valve Assembly—Complete
3325-1811	Fuel Valve Plunger Assembly
3325-1812	Spring—Fuel Valve Plunger
511-1816	Fuel Valve Plunger Actuator
3325-1826	Seal—Fuel Valve
3325-1827	Fuel Valve Body—Top
3325-1828	Fuel Valve Body—Bottom
*3325-1829	Roll Pin—Plunger
*3325-1830	Roll Pin—Plunger
461-2447	Spring—Fuel Valve Plunger Actuator
3325-3600	Steering Handle Assembly
462-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
3325-3622	Carrying Handle
493-3623	Plug Button
3325-3624	Washer—Steering Handle Friction
481-4156	Retainer—Gas Tank Cap
462-5815	Screw—Actuator Lever
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
480-5865	Screw—Filter Cup
493-5870	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
519-5958	Screw—Fuel Valve Body
3325-5959	Screw—Carrying Handle
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6715	Speed Nut—Starter Fastening
511-6732	Nut—Actuator Lever Screw
3325-6733	Nut—Steering Handle
462-7203	Lockwasher—Fastening Fork and Carry Handle
462-7208	Lockwasher—Fuel Valve Body Screw
462-7209	Lockwasher—Actuator Lever Screw
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
509-7232	Lockwasher—Steering Handle Nut



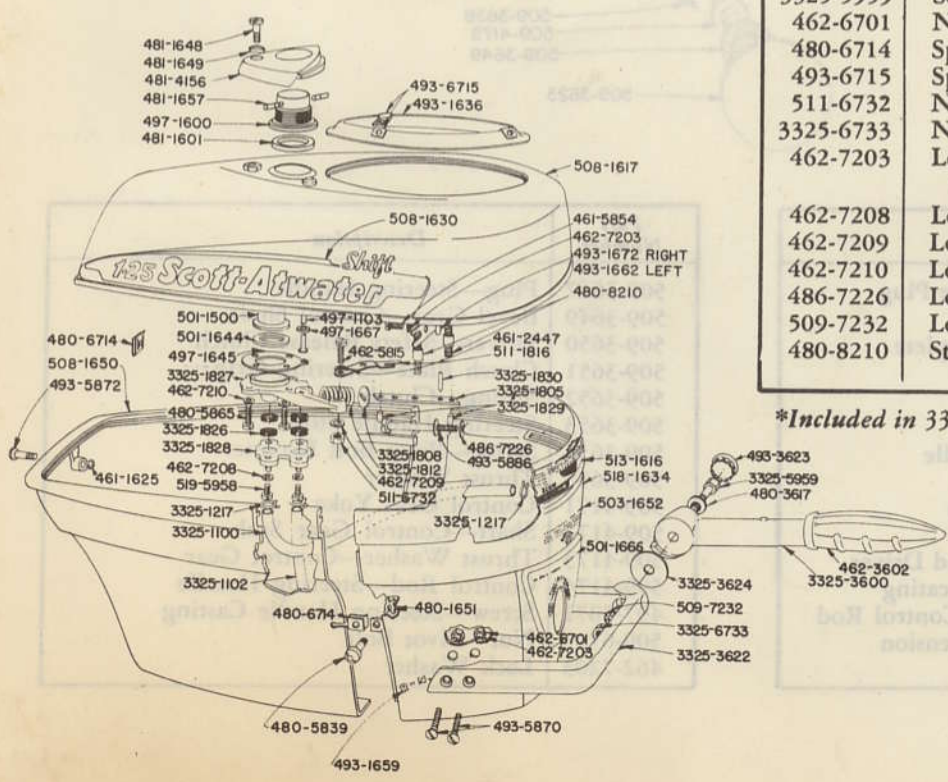
\*Included in 3325-1811 Fuel Valve Plunger Assembly



# GAS TANK & SKIRTS 3825 (STARTER - Page P21)

Part Number	Description
3325-1100	Gas Line
3325-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
3325-1217	Hose Clamp
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket—Gas Tank Cap
513-1616	Instruction Decal
508-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
508-1630	Name Decalomania
518-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
508-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
503-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal
493-1662	Fastening Fork—Front Skirt L. H.
501-1666	Carburetor Control Knob Decal

Part Number	Description
497-1667	Seal—Gas Tank Vent Tube
493-1672	Fastening Fork—Front Skirt R. H.
*3325-1805	Plunger—Fuel Valve
*3325-1808	Spring Retainer—Fuel Valve
3325-1810	Fuel Valve Assembly—Complete
3325-1811	Fuel Valve Plunger Assembly
3325-1812	Spring—Fuel Valve Plunger
511-1816	Fuel Valve Plunger Actuator
3325-1826	Seal—Fuel Valve
3325-1827	Fuel Valve Body—Top
3325-1828	Fuel Valve Body—Bottom
*3325-1829	Roll Pin—Plunger
*3325-1830	Roll Pin—Plunger
461-2447	Spring—Fuel Valve Plunger Actuator
3325-3600	Steering Handle Assembly
462-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
3325-3622	Carrying Handle
493-3623	Plug Button
3325-3624	Washer—Steering Handle Friction
481-4156	Retainer—Gas Tank Cap
462-5815	Screw—Actuator Lever
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
480-5865	Screw—Filter Cup
493-5870	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
519-5958	Screw—Fuel Valve Body
3325-5959	Screw—Carrying Handle
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6715	Speed Nut—Starter Fastening
511-6732	Nut—Actuator Lever Screw
3325-6733	Nut—Steering Handle
462-7203	Lockwasher—Fastening Fork and Carry Handle
462-7208	Lockwasher—Fuel Valve Body Screw
462-7209	Lockwasher—Actuator Lever Screw
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
509-7232	Lockwasher—Steering Handle Nut Stud
480-8210	Stud—Gas Tank Mounting



\*Included in 3325-1811 Fuel Valve Plunger Assembly





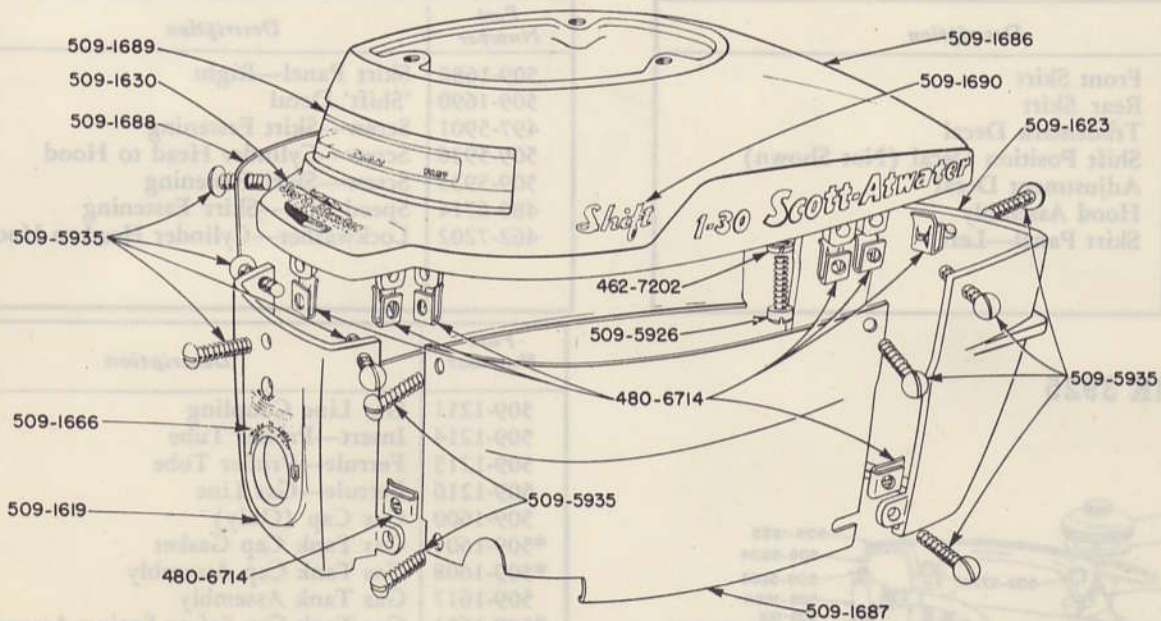


## CARRYING HANDLE 3925

Part Number	Description
3925-175	Indicator—Position
3925-1689	Speed Indicator
3925-3622	Carrying Handle Assembly Complete
509-3640	Bearing—Control Shaft
509-3641	Bearing—Shift Lever Shaft
493-4306	Thrust Washer—Shift Actuator & Shift Lever Shaft Cup
509-4318	Drain Tube Support
*4913-4328	Taper Pin—Shift Actuator
519-4330	Shift Lever Assembly
519-4364	Pin—Shift Actuator
3925-4372	Control Shaft Pulley Assembly
509-4374	Groove Pin—Control Shaft
509-4376	Control Shaft
519-4378	Cup—Shift Lever Shaft
509-4379	Bead Chain
509-4380	Thrust Washer—Control Shaft
509-4383	Retaining Ring—Control Shaft

Part Number	Description
509-4384	Groove Pin—Shift Lever Shaft Cup
509-4385	"O" Ring—Control Shaft Pulley Assembly
509-4390	Spring—Shift Lever Detent
509-4391	Clamp Plate—Detent Spring
509-4392	Thrust Bearing
519-4393	Retainer—Shift Actuator Pin
463-5808	Screw—Carrying Handle
462-5820	Screw—Detent Spring
493-5887	Drive Screw
462-6702	Nut—Lower Crankcase Stud
462-7202	Lockwasher—Lower Crankcase Stud
462-7203	Lockwasher
462-7210	Lockwasher—Detent Spring
<i>*Included in 509-4389 Assembly</i>	

## SKIRTS 3925 (EARLY MODELS)

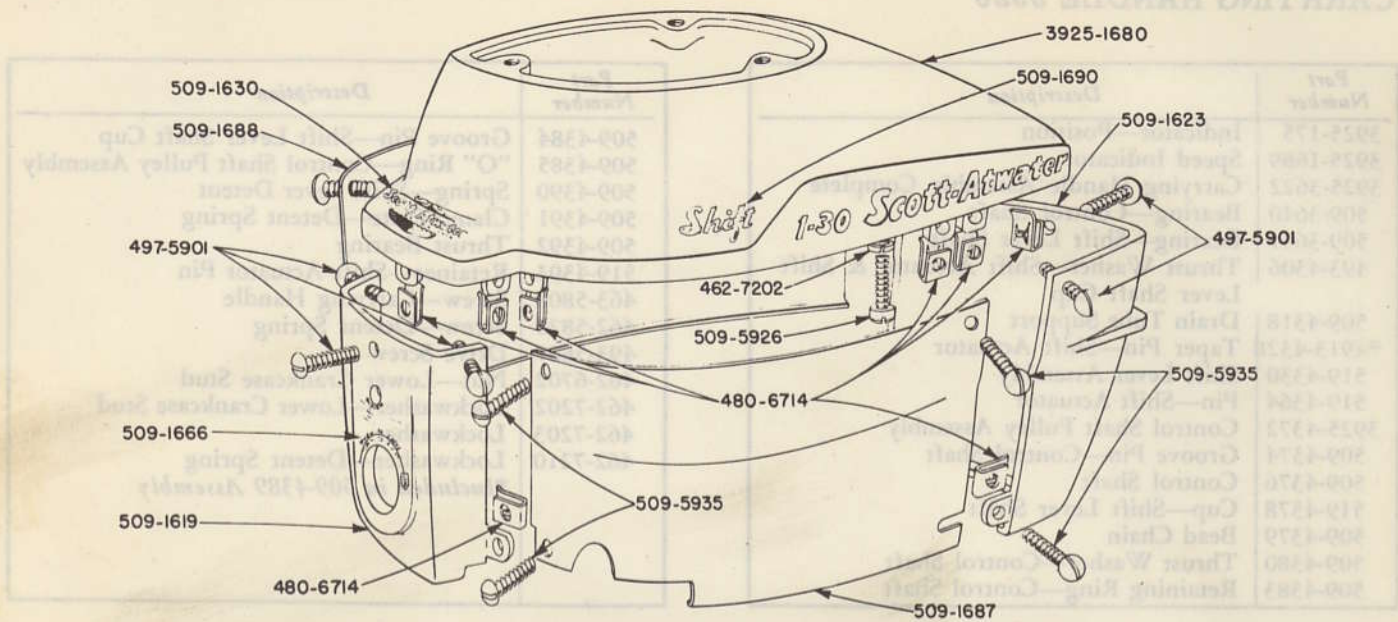


Part Number	Description
509-1619	Front Skirt
509-1623	Rear Skirt
509-1630	Trademark Decal
493-1659	Shift Position Decal (Not Shown)
509-1666	Adjustment Decal
*509-1686	Hood Assembly
509-1687	Skirt Panel—Left

Part Number	Description
509-1688	Skirt Panel—Right
509-1689	Hood Window (Drive Screws & Washers)
509-1690	"Shift" Decal
509-5926	Screw—Cylinder Head to Hood
509-5935	Screw—Skirt Fastening
480-6714	Speed Nut—Skirt Fastening
462-7202	Lockwasher—Cylinder Head to Hood
<i>* Includes 509-1689</i>	



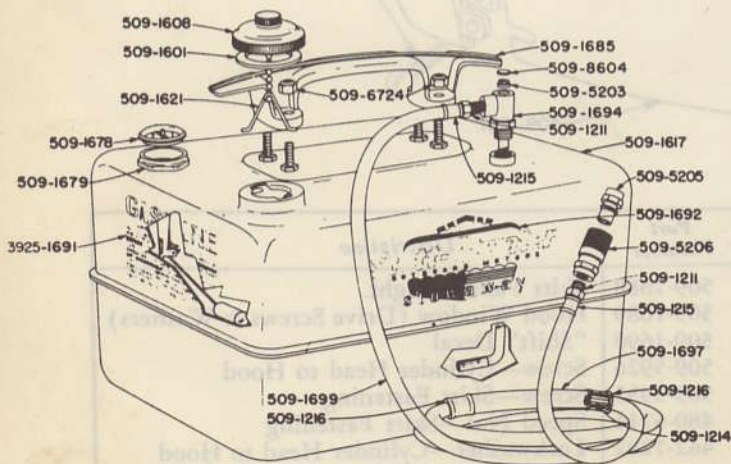
## SKIRTS 3925 (LATE MODELS)



Part Number	Description
509-1619	Front Skirt
509-1623	Rear Skirt
509-1630	Trademark Decal
493-1659	Shift Position Decal (Not Shown)
509-1666	Adjustment Decal
3925-1680	Hood Assembly
509-1687	Skirt Panel—Left

Part Number	Description
509-1688	Skirt Panel—Right
509-1690	'Shift' Decal
497-5901	Screw—Skirt Fastening
509-5926	Screw—Cylinder Head to Hood
509-5935	Screw—Skirt Fastening
480-6714	Speed Nut—Skirt Fastening
462-7202	Lockwasher—Cylinder Head to Hood

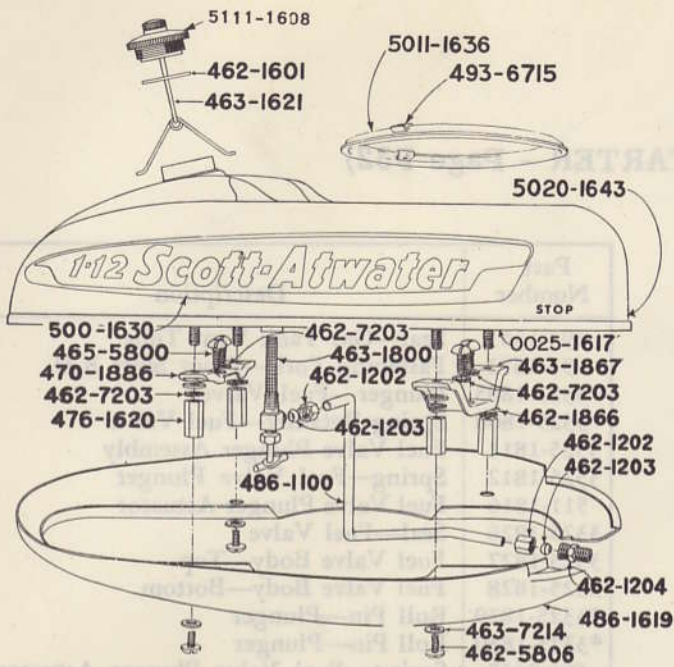
## GAS TANK 3925



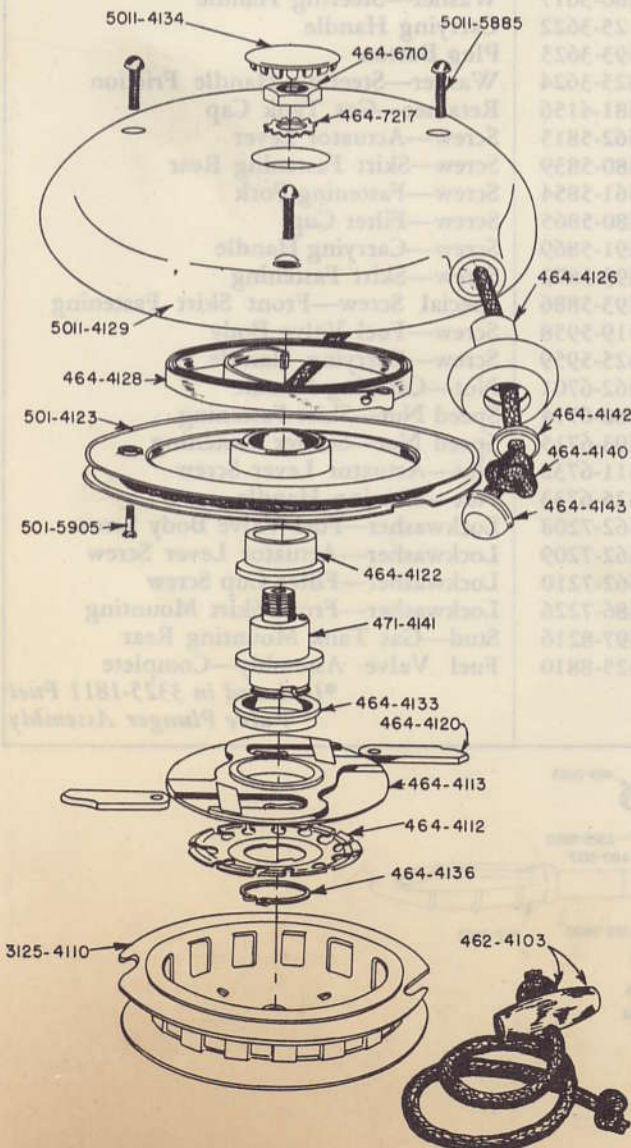
Part Number	Description
509-1211	Gas Line Coupling
509-1214	Insert—Primer Tube
509-1215	Ferrule—Primer Tube
509-1216	Ferrule—Gas Line
509-1600	Gas Cap (Only)
*509-1601	Gas Tank Cap Gasket
*509-1608	Gas Tank Cap Assembly
509-1617	Gas Tank Assembly
*509-1621	Gas Tank Cap Safety Spring Assembly
*509-1678	Dial—Fuel Tank Gauge
*509-1679	Body—Fuel Tank Gauge
*509-1685	Gas Tank Handle
*3925-1691	Gasoline Mixing Instruction Decal
*509-1692	Name Decal
*509-1694	Gas Tank Outlet Assembly
509-1697	Primer Tube
509-1699	Gas Line Assembly
*509-5203	Check Valve
509-5205	Plug—Fuel Coupling
509-5206	Socket—Fuel Coupling
*509-6724	Nut—Gas Tank Handle
*509-8604	Welch Plug
509-8823	Gas Tank and Hose Assy. Complete
B-23-1682	Gas Line Hose by the Foot
	* Included in 509-1617 Assembly



## GAS TANK 3035



## STARTER 3035



Part Number	Description
486-1100	Gas Line
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
462-1204	Gas Line Male Connector
462-1601	Gas Tank Cap Gasket
5111-1608	Gas Tank Cap Assembly
0025-1617	Gas Tank Assembly
486-1619	Gas Tank Skirt
476-1620	Gas Tank Skirt Screw Spacer
463-1621	Gas Tank Cap Safety Spring Assembly
500-1630	Name Decalcomania
5011-1636	Starter Fastening Ring
5020-1643	Magneto Control Lever Position Decalcomania
463-1800	Gas Line Shutoff and Screen Assembly
462-1866	Gas Tank Bracket Washer
463-1867	Front Gas Tank Bracket
470-1886	Rear Gas Tank Bracket
465-5800	Gas Tank Bracket Screw
462-5806	Screw—Gas Tank Skirt
493-6715	Speed Nut Starter Fastening
462-7203	Lockwasher—Gas Tank and Bracket Screw
463-7214	Lockwasher—Gas Tank Screw Skirt

Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly *Not included with motor
3125-4110	Starter Ratchet-Pulley
464-4112	Starter Pawl Friction Spring
464-4113	Starter Pawl Plate (Incl. Bearing)
464-4120	Starter Pawl
464-4122	Starter Cord and Spring Retainer Hub Bearing
501-4123	Starter Spring Plate Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
5011-4129	Starter Housing
464-4133	Starter Pawl Hub Bearing
5110-4134	Starter Housing Snap Cap
464-4136	Retaining Ring—Starter Spring Washer
464-4140	Starter Cord
471-4141	Starter Pivot Bolt Assembly
464-4142	Starter Cord Knob Cup
464-4143	Starter Cord Knob Cup Cover
5011-5885	Starter Housing Clamp Screw
501-5905	Screw—Starter Pulley Hub
464-6710	Starter Pivot Bolt Nut
464-7217	Lock Washer—Starter Pivot Bolt Nut

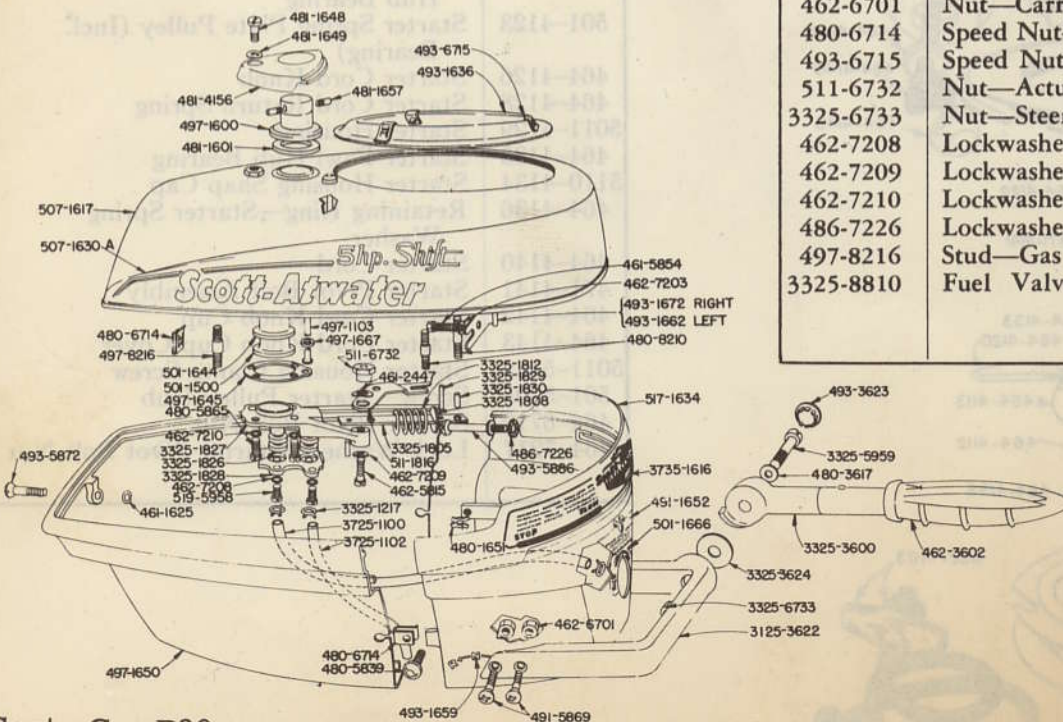


## GAS TANK 3735 (STARTER - Page P32)

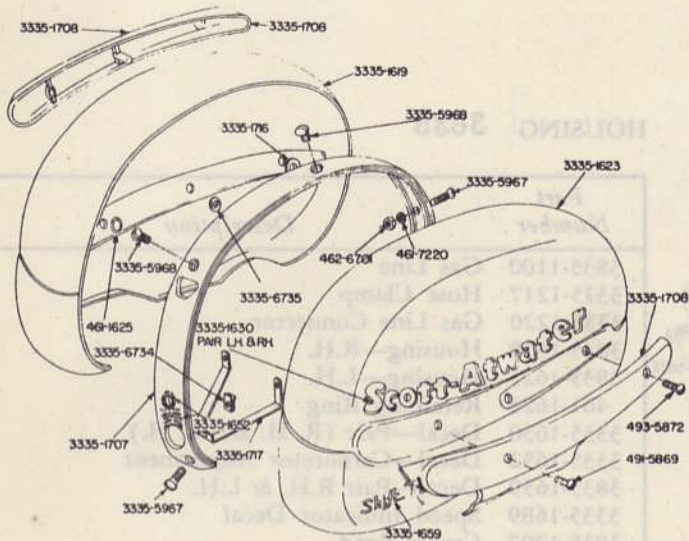
Part Number	Description
3725-1100	Gas Line
3725-1102	Tube—Vent Drain
497-1103	Tube—Gas Tank Vent
3325-1217	Hose Clamp
501-1500	Gas Tank Filter
497-1600	Gas Tank Cap Body Assembly
481-1601	Gasket Gas Tank Cap
3735-1616	Instruction Decal
507-1617	Gas Tank Assembly
461-1625	Retaining Ring Skirt Fastening Screw
507-1630	Name Decalomania
517-1634	Gas Tank Skirt Assembly (Front)
493-1636	Starter Fastening Ring
501-1644	Gasket—Gas Tank Outlet Filter
497-1645	Gasket—Gas Tank Outlet Filter Cup
481-1648	Screw—Gas Tank Cap Retainer Pivot
481-1649	Tension Washer—Gas Tank Cap Retainer
497-1650	Gas Tank Skirt Assembly (Rear)
480-1651	X Washer
491-1652	Idle Adjustment Decal
481-1657	Gas Cap Pin
493-1659	Shift Position Decal
493-1662	Fastening Fork—Front Skirt L.H.
501-1666	Carburetor Control Knob Decal

Part Number	Description
497-1667	Seal—Gas Tank Vent Tube
493-1672	Fastening Fork—Front Skirt R.H.
*3325-1805	Plunger—Fuel Valve
*3325-1808	Spring Retainer—Fuel Valve
3325-1811	Fuel Valve Plunger Assembly
3325-1812	Spring—Fuel Valve Plunger
511-1816	Fuel Valve Plunger Actuator
3325-1826	Seal—Fuel Valve
3325-1827	Fuel Valve Body—Top
3325-1828	Fuel Valve Body—Bottom
*3325-1829	Roll Pin—Plunger
*3325-1830	Roll Pin—Plunger
461-2447	Spring—Fuel Valve Plunger Actuator
3325-3600	Steering Handle Assembly
462-3602	Steering Handle Rubber Grip
480-3617	Washer—Steering Handle
3125-3622	Carrying Handle
493-3623	Plug Button
3325-3624	Washer—Steering Handle Friction
481-4156	Retainer—Gas Tank Cap
462-5815	Screw—Actuator Lever
480-5839	Screw—Skirt Fastening Rear
461-5854	Screw—Fastening Fork
480-5865	Screw—Filter Cup
491-5869	Screw—Carrying Handle
493-5872	Screw—Skirt Fastening
493-5886	Special Screw—Front Skirt Fastening
519-5958	Screw—Fuel Valve Body
3325-5959	Screw—Carrying Handle
462-6701	Nut—Carrying Handle
480-6714	Speed Nut—Skirt Fastening
493-6715	Speed Nut—Starter Fastening
511-6732	Nut—Actuator Lever Screw
3325-6733	Nut—Steering Handle
462-7208	Lockwasher—Fuel Valve Body Screw
462-7209	Lockwasher—Actuator Lever Screw
462-7210	Lockwasher—Filter Cup Screw
486-7226	Lockwasher—Front Skirt Mounting
497-8216	Stud—Gas Tank Mounting Rear
3325-8810	Fuel Valve Assembly—Complete

*\*Included in 3325-1811 Fuel Valve Plunger Assembly*

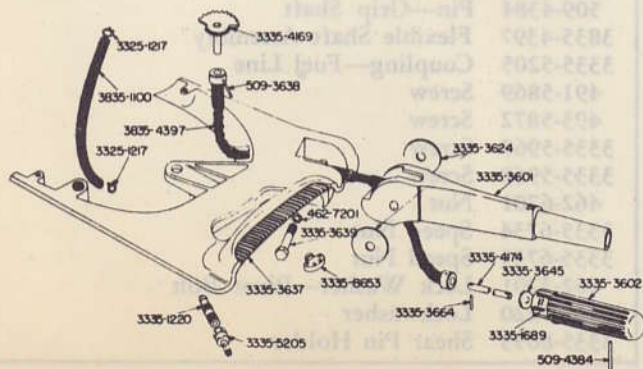






### TWIST GRIP, STEERING HANDLE AND MOUNT

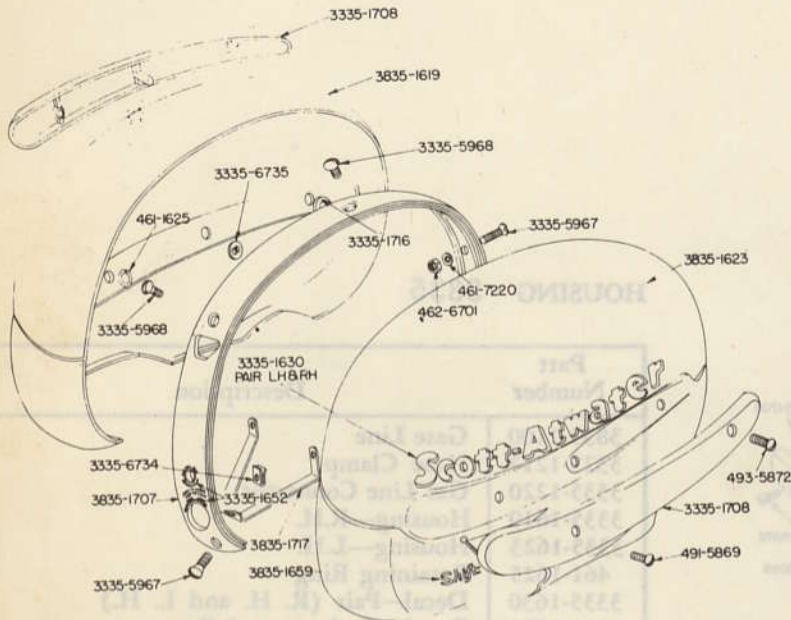
**3335**



### HOUSING 3335

Part Number	Description
3835-1100	Gas Line
3325-1217	Hose Clamp
3335-1220	Gas Line Connector
3335-1619	Housing—R.H.
3335-1623	Housing—L.H.
461-1625	Retaining Ring
3335-1630	Decal—Pair (R. H. and L. H.)
3335-1652	Decal—Carburetor Adjustment
3335-1659	Decal—Pair R.H. & L.H.
3335-1689	Speed Indicator Decal
3335-1707	Center Band
3335-1708	Guard—Housing
3335-1716	Washer
3335-1717	Bracket
3335-3601	Steering Handle
3335-3602	Twist Grip
3335-3624	Friction Washer
3335-3637	Handle Mount
509-3638	Pin—Magneto Pinion
3335-3639	Pivot Bolt—Steering Handle
3335-3645	Thrust Washer
3335-3664	Pin—Grip Shaft
3335-4169	Magneto Pinion
3335-4174	Shaft—Twist Grip
509-4384	Pin—Grip Shaft
3835-4397	Flexible Shaft Assembly
3335-5205	Coupling—Fuel Line
491-5869	Screw
493-5872	Screw
3335-5967	Screw
3335-5968	Screw
462-6701	Nut
3335-6734	Speed Nut
3335-6735	Speed Nut
462-7201	Lock Washer—Pivot Bolt
461-7220	Lockwasher
3335-8653	Shear Pin Holder

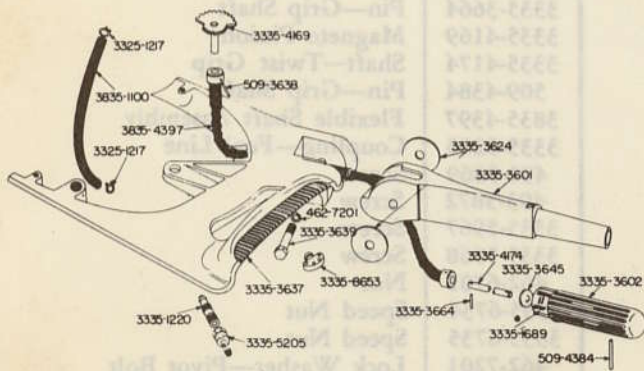




## HOUSING 3835

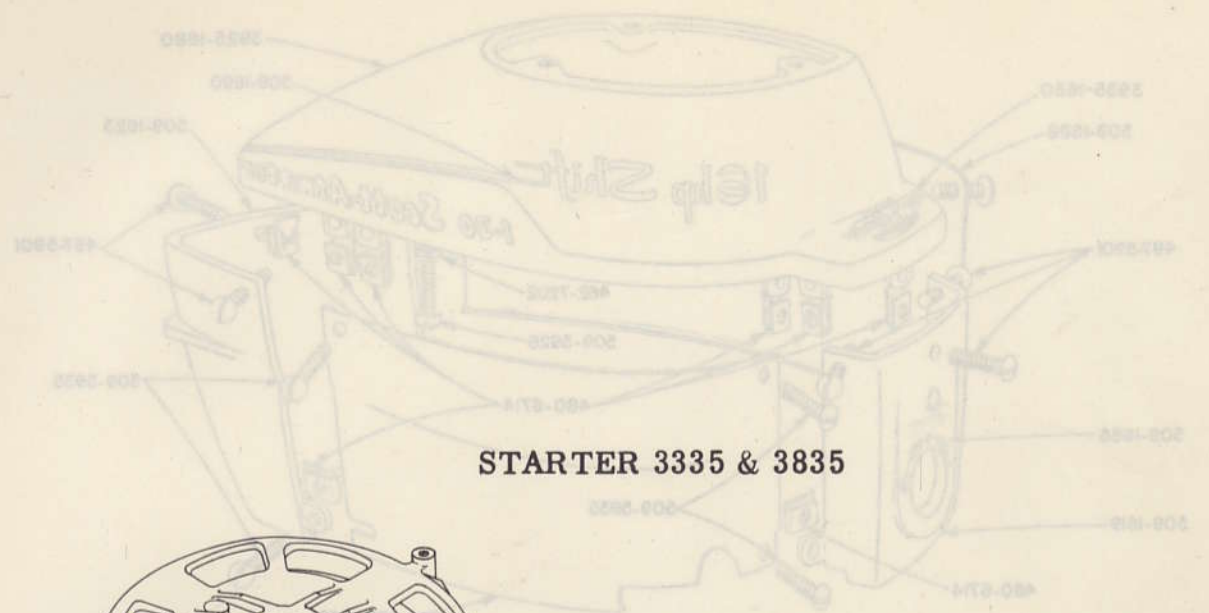
## TWIST GRIP, STEERING HANDLE AND MOUNT

### 3835

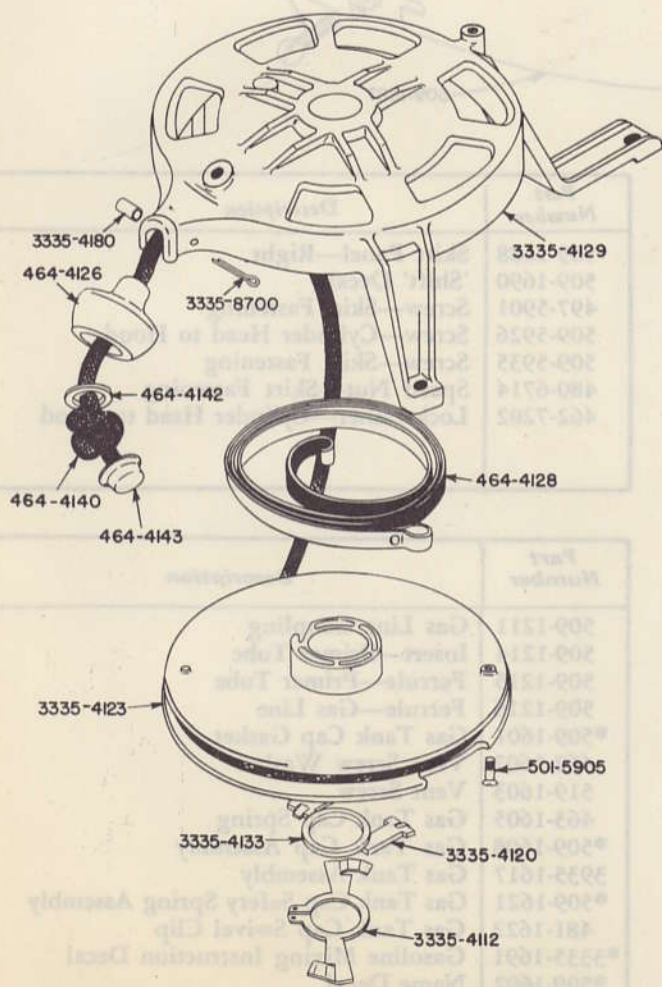


Part Number	Description
3835-1100	Gas Line
3325-1217	Hose Clamp
3335-1220	Gas Line Connector
3835-1619	Housing—R.H.
3835-1623	Housing—L.H.
461-1625	Retaining Ring
3335-1630	Decal—Pair (R. H. and L. H.)
3335-1652	Decal—Carburetor Adjustment
3835-1659	Decal—Pair R.H. & L.H.
3335-1689	Speed Indicator Decal
3835-1707	Center Band
3335-1708	Guard—Housing
3335-1716	Washer
3835-1717	Bracket
3335-3601	Steering Handle
3335-3602	Twist Grip
3335-3624	Friction Washer
3335-3637	Handle Mount
509-3638	Pin—Magneto Pinion
3335-3639	Pivot Bolt—Steering Handle
3335-3645	Thrust Washer
3335-3664	Pin—Grip Shaft
3335-4169	Magneto Pinion
3335-4174	Shaft—Twist Grip
509-4384	Pin—Grip Shaft
3835-4397	Flexible Shaft Assembly
3335-5205	Coupling—Fuel Line
491-5869	Screw
493-5872	Screw
3335-5967	Screw
3335-5968	Screw
462-6701	Nut
3335-6734	Speed Nut
3335-6735	Speed Nut
462-7201	Lock Washer—Pivot Bolt
461-7220	Lockwasher
3335-8653	Shear Pin Holder

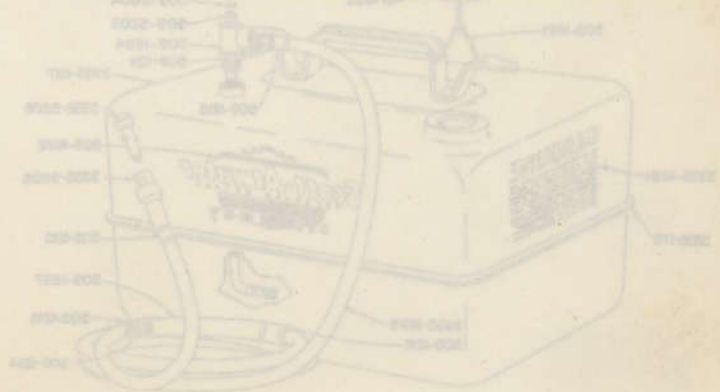




**STARTER 3335 & 3835**

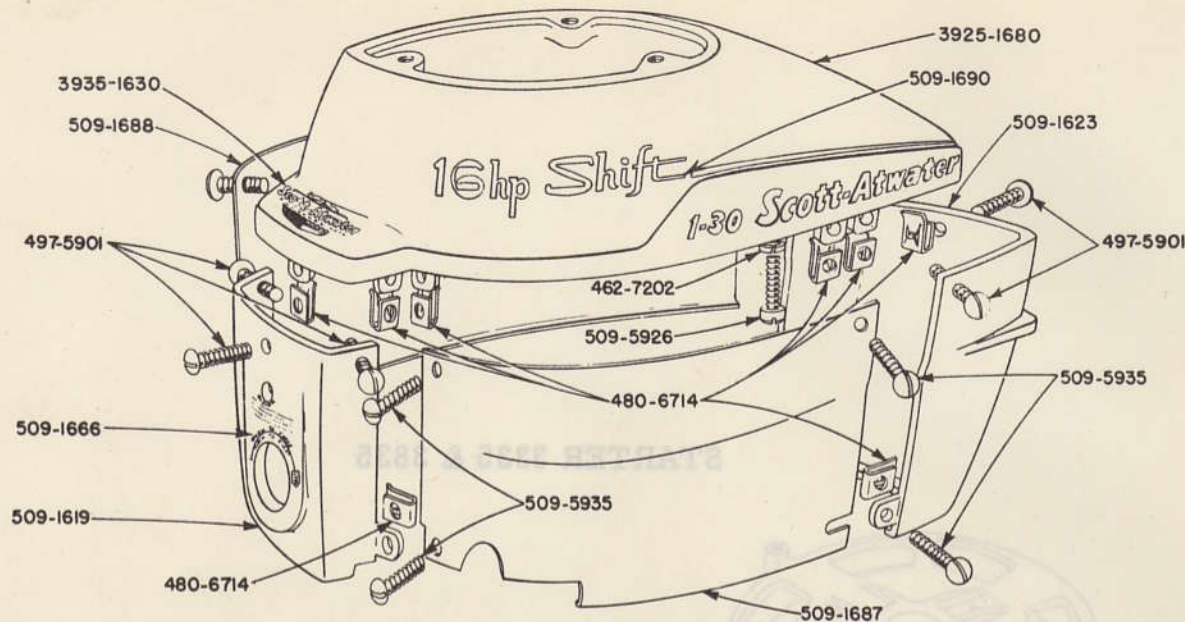


Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly *Not included with motor
3335-4112	Starter Pawl Friction Spring
3335-4120	Starter Pawl
3335-4123	Starter Spring Plate Pulley (Incl. Bearing)
464-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
3335-4129	Starter Housing
3335-4133	Thrust Washer
464-4140	Starter Cord
464-4142	Starter Cord Knob Cup
464-4143	Starter Cord Knob Cup Cover
3335-4148	Starter Assembly
3335-4180	Roller
501-5905	Screw—Starter Pulley Hub
3335-8700	Cotter Pin





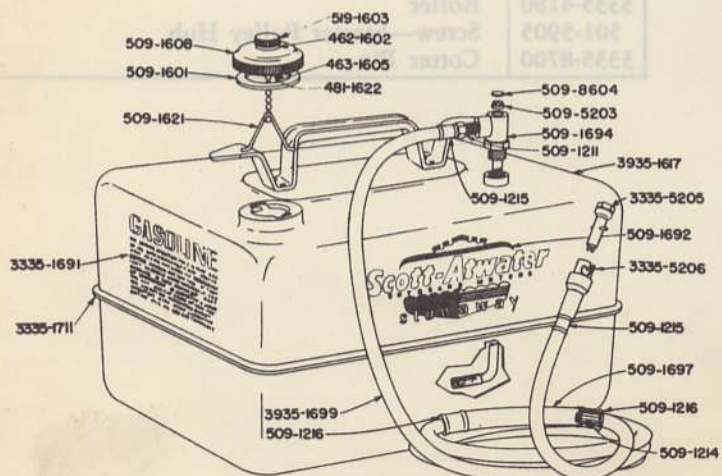
HOOD 3935 (STARTER - Page P21)  
(STEER HANDLE - Page P35)



Part Number	Description
509-1619	Front Skirt
509-1623	Rear Skirt
3935-1630	Trademark Decal
493-1659	Shift Position Decal (Not Shown)
509-1666	Adjustment Decal
3925-1680	Hood Assembly
509-1687	Skirt Panel—Left

Part Number	Description
509-1688	Skirt Panel—Right
509-1690	'Shift' Decal
497-5901	Screw—Skirt Fastening
509-5926	Screw—Cylinder Head to Hood
509-5935	Screw—Skirt Fastening
480-6714	Speed Nut—Skirt Fastening
462-7202	Lockwasher—Cylinder Head to Hood

GAS TANK 3935



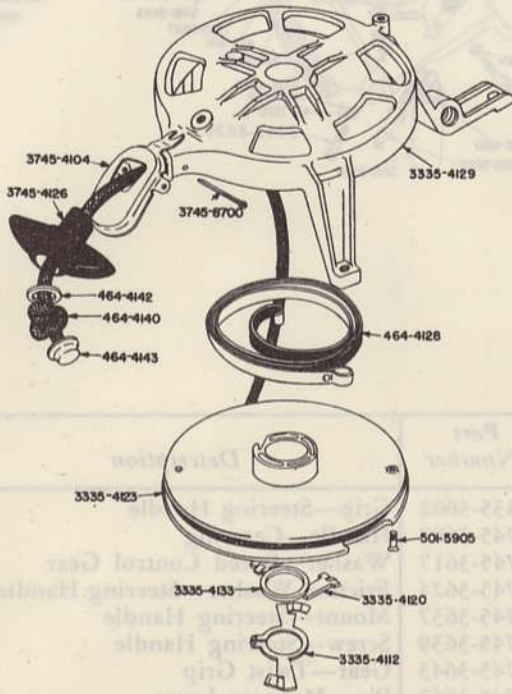
Part Number	Description
509-1211	Gas Line Coupling
509-1214	Insert—Primer Tube
509-1215	Ferrule—Primer Tube
509-1216	Ferrule—Gas Line
*509-1601	Gas Tank Cap Gasket
462-1602	Vent Screw Washer
519-1603	Vent Screw
463-1605	Gas Tank Cap Spring
*509-1608	Gas Tank Cap Assembly
3935-1617	Gas Tank Assembly
*509-1621	Gas Tank Cap Safety Spring Assembly
481-1622	Gas Tank Cap Swivel Clip
*3335-1691	Gasoline Mixing Instruction Decal
*509-1692	Name Decal
*509-1694	Gas Tank Outlet Assembly
509-1697	Primer Tube
3935-1699	Gas Line Assembly
3335-1711	Molding
*509-5203	Check Valve
3335-5205	Plug—Fuel Coupling
3335-5206	Socket—Fuel Coupling
*509-8604	Welch Plug
3935-8823	Gas Tank and Hose Assy. Complete
B-23-1682	Gas Line Hose by the Foot
	*Included in 3935-1617 Assembly



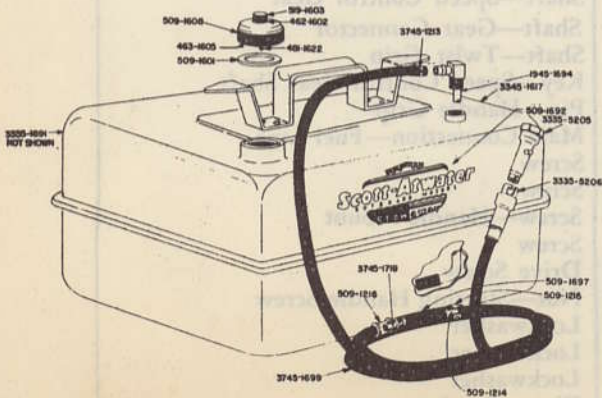
(GAS TANK - 3045-P-38)

(STARTER - 3045 - P-38)

STARTER 3345, 3745, 3845



STOWAWAY TANK 3345, 3845, 3945

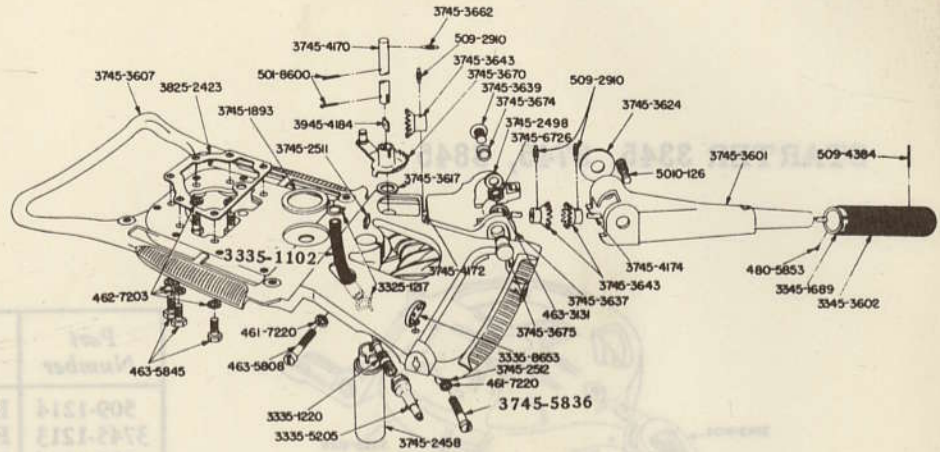
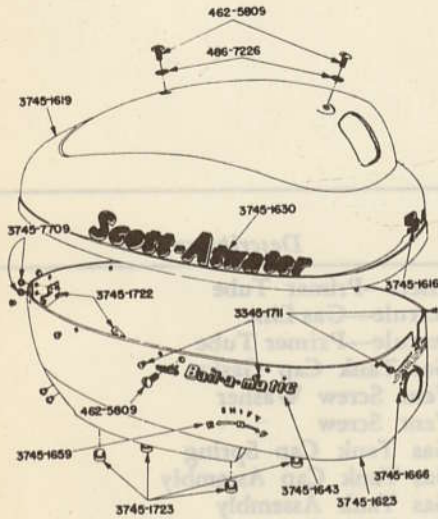


Part Number	Description
509-1214	Insert—Primer Tube
3745-1213	Ferrule—Gas Line
509-1216	Ferrule—Primer Tube
*509-1601	Gas Tank Cap Gasket
462-1602	Vent Screw Washer
519-1603	Vent Screw
463-1605	Gas Tank Cap Spring
*509-1608	Gas Tank Cap Assembly
3345-1617	Gas Tank Assembly
481-1622	Gas Tank Cap Swivel Clip
3335-1691	Gasoline Mixing Instruction Decal
*509-1692	Name Decal
1945-1694	Gas Tank Outlet Assembly
509-1697	Primer Tube
3745-1699	Gas Line Assembly
3745-1718	Check Valve Assembly
*462-4103	Auxiliary Starting Rope Assembly
	*Not included with motor
3745-4104	Panel
3335-4112	Starter Pawl Friction Spring
3335-4120	Starter Pawl
3335-4123	Starter Spring Plate Pulley (Incl. Bearing)
3745-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
3335-4129	Starter Housing
3335-4133	Thrust Washer
464-4140	Starter Cord
464-4142	Starter Cord Knob Cup
464-4143	Starter Cord Knob Cup Cover
3345-4148	Starter Assembly
3335-5206	Socket—Fuel Coupling
501-5905	Screw—Starter Pulley
3745-8700	Cotter Pin
3345-8823	Gas Tank and Hose Assy. Complete
B23-1682	Gas Line Hose by the Foot
	*Included in 3345-1617 Assembly



# HOUSING - 3745

# STEERING HANDLE AND TWIST GRIP - 3745



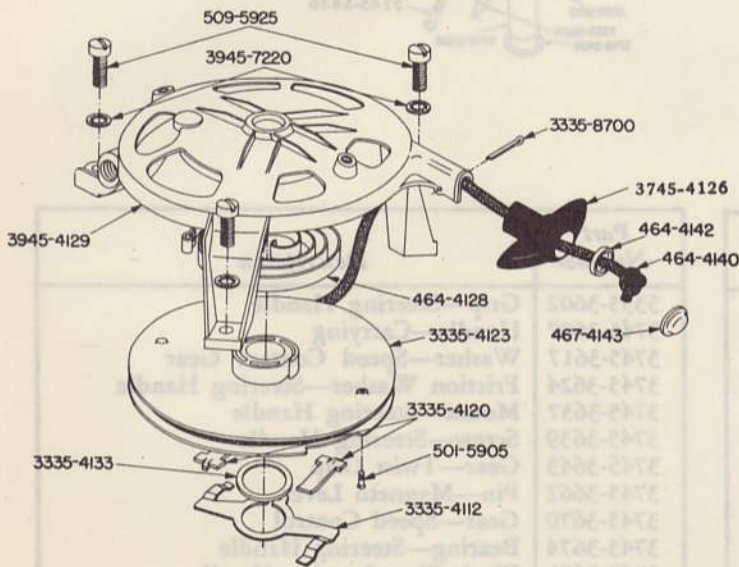
Part Number	Description
5010-126	Friction Plug Group
3335-1102	Gas Line
3325-1217	Hose Clamp
3335-1220	Connector—Gas Line
3745-1616	Decal—Horsepower
3745-1619	Housing—Upper
3745-1623	Housing—Lower
3745-1630	Decal—Pair L.H. and R.H.
3745-1643	Decal—Bail-A-Matic
3745-1659	Decal—Shift
3745-1666	Decal—Idle Adjustment
3345-1689	Speed Indicator
3345-1711	Bumper—Housing
3745-1722	Latch—Lower Housing
3745-1723	Spacer—Lower Housing
3745-1893	Seal Ring
3825-2423	Gasket
3745-2458	Mount—Motor
3745-2498	Washer
3745-2511	Key—Motor Mount
3745-2512	Key—Handle Mount
509-2910	Pin—Twist Grip Gear
463-3131	Retaining Ring—Clevis Pin
3745-3601	Handle—Steering

Part Number	Description
3335-3602	Grip—Steering Handle
3745-3607	Handle—Carrying
3745-3617	Washer—Speed Control Gear
3745-3624	Friction Washer—Steering Handle
3745-3637	Mount—Steering Handle
3745-3639	Screw—Steering Handle
3745-3643	Gear—Twist Grip
3745-3662	Pin—Magneto Lever
3745-3670	Gear—Speed Control
3745-3674	Bearing—Steering Handle
3745-3675	Clevis Pin—Steering Handle
3745-4170	Shaft—Speed Control Gear
3745-4172	Shaft—Gear Connector
3745-4174	Shaft—Twist Grip
3945-4184	Key—Speed Control Gear Shaft
509-4384	Pin—Handle Grip
3335-5205	Male Connection—Fuel Line
463-5808	Screw
462-5809	Screw
3745-5836	Screw—Handle Mount
463-5845	Screw
480-5853	Drive Pin
3745-6726	Nut—Steering Handle Screw
462-7203	Lockwasher
461-7220	Lockwasher
486-7226	Lockwasher
3745-7709	Rivet—Latch
501-8600	Cotter Pin
3335-8653	Holder—Shear Pin



(STARTER 3745 & 3845 - P-44)  
 (GAS TANK 3845 & 3945 - P-44)

STARTER - 3945

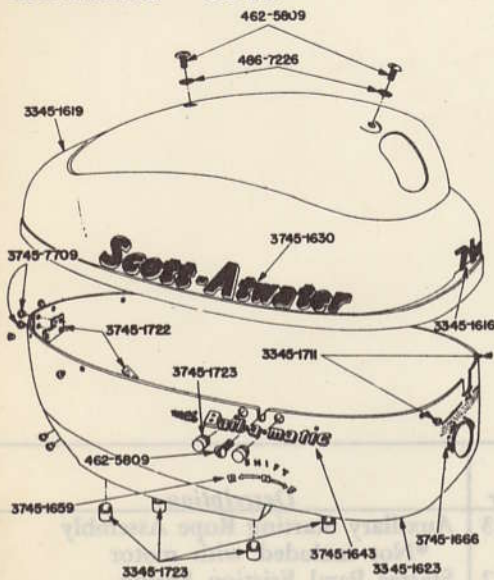


Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly *Not included with motor
3335-4112	Starter Pawl Friction Spring
3335-4120	Starter Pawl
3335-4123	Starter Spring Plate Pulley (Incl. Bearing)
3745-4126	Starter Cord Knob
464-4128	Starter Cord Return Spring
3945-4129	Starter Housing
3335-4133	Thrust Washer
464-4140	Starter Cord
464-4142	Starter Knob Cup
467-4143	Starter Knob Cover
3945-4148	Starter Assembly
501-5905	Screw—Starter Pulley
509-5925	Screw
3945-7220	Lockwasher
3335-8700	Cotter Pin

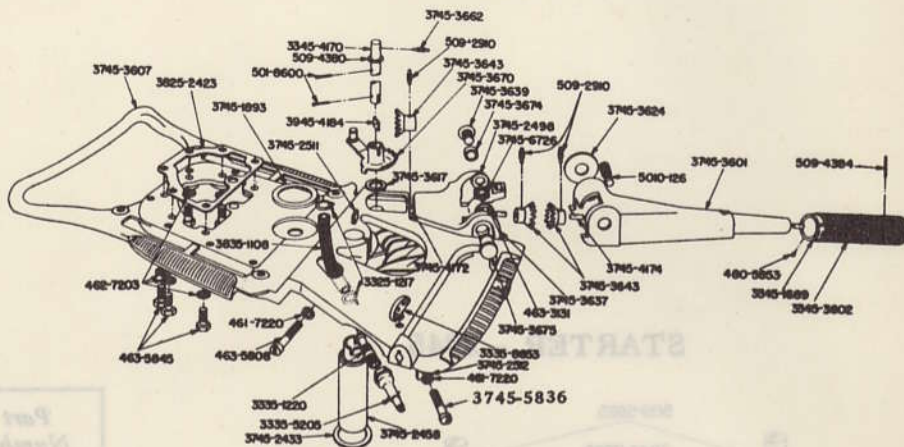


(STARTER 3745 & 3845 - P-44)  
 (GAS TANK 3845 & 3945 - P-44)

**HOUSING - 3345**



**STEERING HANDLE AND TWIST GRIP  
 3345**

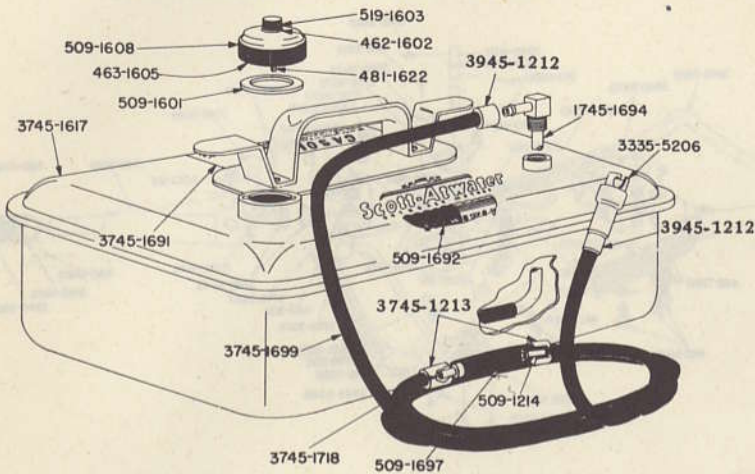


Part Number	Description
5010-126	Friction Plug Group
3835-1108	Gas Line
3325-1217	Hose Clamp
3335-1220	Connector—Gas Line
3345-1616	Decal—Horsepower
3345-1619	Housing—Upper
3345-1623	Housing—Lower
3745-1630	Decal—Pair L.H. and R.H.
3745-1643	Decal—Bail-A-Matic
3745-1659	Decal—Shift
3745-1666	Decal—Idle Adjustment
3345-1689	Speed Indicator
3345-1711	Bumper—Housing
3745-1722	Latch—Lower Housing
3345-1723	Spacer—Lower Housing
3745-1723	Bumper—Housing
3745-1893	Seal Ring
3825-2423	Gasket
3745-2433	Thrust Washer—Pivot Bracket
3745-2458	Mount—Motor
3745-2498	Washer
3745-2511	Key—Motor Mount
3745-2512	Key—Handle Mount
509-2910	Pin—Twist Grip Gear
463-3131	Retaining Ring—Clevis Pin
3745-3601	Handle—Steering

Part Number	Description
3335-3602	Grip—Steering Handle
3745-3607	Handle—Carrying
3745-3617	Washer—Speed Control Gear
3745-3624	Friction Washer—Steering Handle
3745-3637	Mount—Steering Handle
3745-3639	Screw—Steering Handle
3745-3643	Gear—Twist Grip
3745-3662	Pin—Magneto Lever
3745-3670	Gear—Speed Control
3745-3674	Bearing—Steering Handle
3745-3675	Clevis Pin—Steering Handle
3345-4170	Shaft—Speed Control Gear
3745-4172	Shaft—Gear Connector
3745-4174	Shaft—Twist Grip
3945-4184	Key—Speed Control Gear Shaft
509-4380	Washer—Magneto Lever
509-4384	Pin—Handle Grip
3335-5205	Male Connection—Fuel Line
463-5808	Screw
462-5809	Screw
3745-5836	Screw—Handle Mount
463-5845	Screw
480-5853	Drive Screw
3745-6726	Nut—Steering Handle Screw
462-7203	Lockwasher
461-7220	Lockwasher
486-7226	Lockwasher
3745-7709	Rivet—Latch
501-8600	Cotter Pin
3335-8653	Holder—Shear Pin

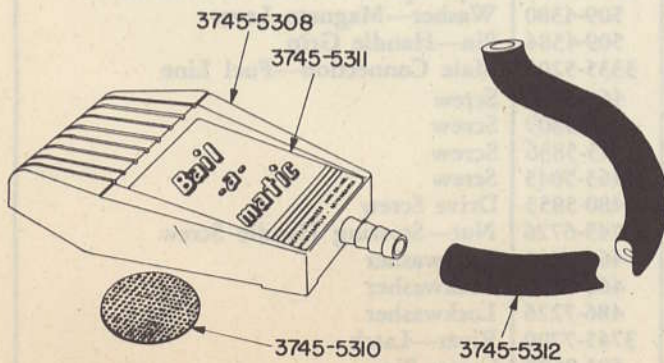


## STOWAWAY TANK - 3745



Part Number	Description
3945-1212	Ferrule—Primer Tube
3745-1213	Ferrule—Gas Line
509-1214	Insert—Primer Tube
*509-1601	Gas Tank Cap Gasket
462-1602	Vent Screw Washer
519-1603	Vent Screw
463-1605	Gas Tank Cap Spring
*509-1608	Gas Tank Cap Assembly
3745-1617	Gas Tank Assembly
481-1622	Gas Tank Cap Swivel Clip
3745-1691	Gasoline Mixing Instruction Decal
*509-1692	Name Decal
1745-1694	Gas Tank Outlet Assembly
509-1697	Primer Tube
3745-1699	Gas Line Assembly
3745-1718	Check Valve Assembly
3335-5206	Socket—Fuel Assembly
3745-8823	Gas Tank and Hose Assembly Complete
B23-1682	Gas Line Hose—Per Foot
	*Included in 3745-1617 Assembly

## IMMERSION UNIT - 3345, 3745, 3845, 3945



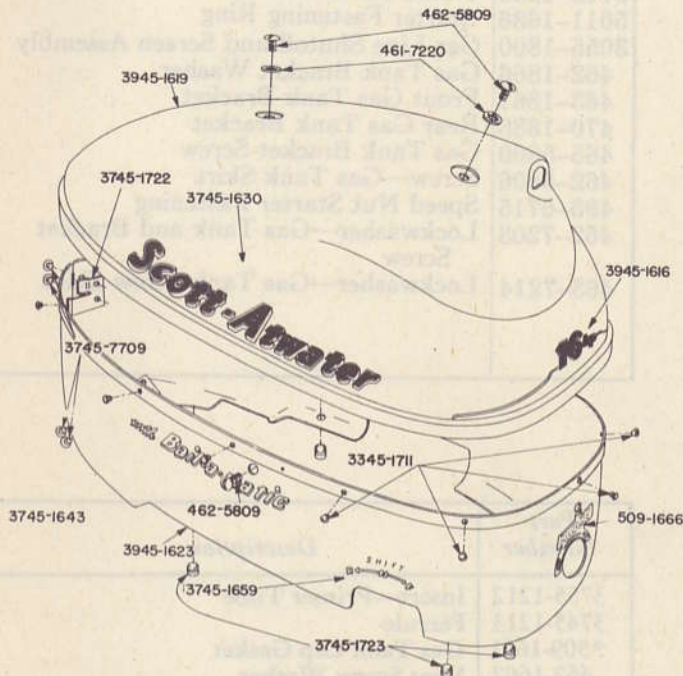
Part Number	Description
*3745-5308	Foot Only—Bailer
3745-5309	Foot Assembly—Bailer
*3745-5310	Screen—Bailer Foot
*3745-5311	Name Plate—Bail-A-Matic
3745-5312	Hose—Bailer (4 ft.)
3345-5312	Hose—Bailer (by the foot)
	*Included in 3745-5309 Foot Assembly





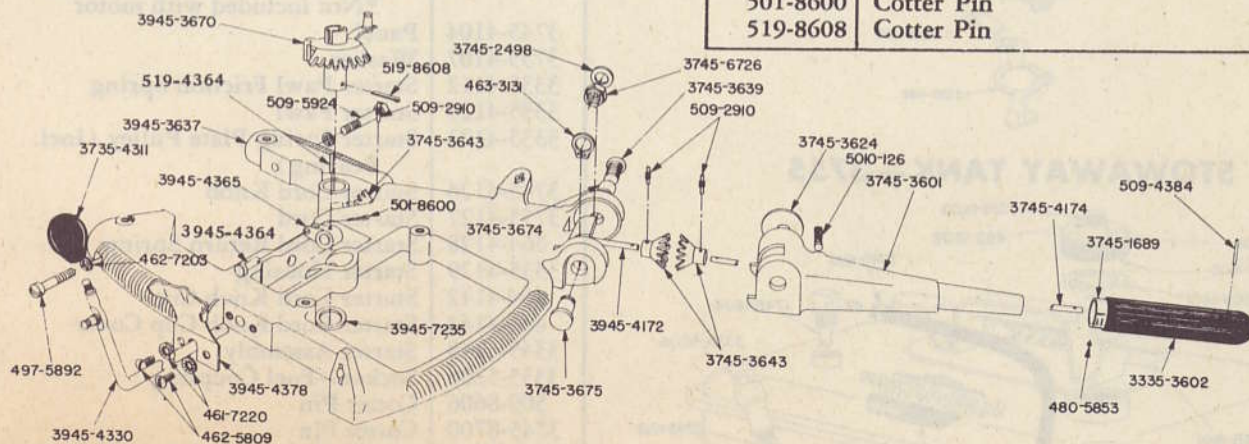


### \* HOUSING — 3945



\*This Housing replaces the Housing used on all 16 HP motors prior to Serial No. 39452039.

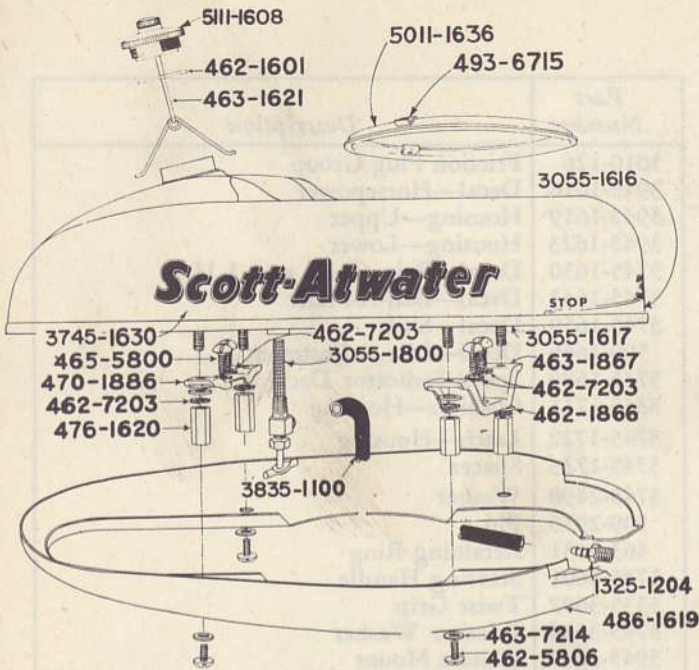
### TWIST GRIP, STEERING HANDLE AND MOUNT — 3945



Part Number	Description
5010-126	Friction Plug Group
3945-1616	Decal—Horsepower
3945-1619	Housing—Upper
3945-1623	Housing—Lower
3745-1630	Decal—Pair (R.H. and L.H.)
3745-1643	Decal—Bail-A-Matic
3745-1659	Decal—Shift
509-1666	Decal—Idle Adjustment
3745-1689	Speed Indicator Decal
3345-1711	Cushion—Housing
3745-1722	Latch—Housing
3745-1723	Spacer
3745-2498	Washer
509-2910	Pin
463-3131	Retaining Ring
3745-3601	Steering Handle
3335-3602	Twist Grip
3745-3624	Friction Washer
3945-3637	Handle Mount
3745-3639	Pivot Bolt—Steering Handle
3745-3643	Gear
3945-3670	Gear Assembly
3745-3674	Steering Handle Bearing
3745-3675	Clevis Pin
3945-4172	Control Shaft
3745-4174	Shaft—Twist Grip
3735-4311	Shift Knob
3945-4330	Shift Lever Assembly
519-4364	Pin
3945-4364	Pin
3945-4365	Shift Actuator
3945-4378	Shift Lever Detent
509-4384	Pin—Grip Shaft
462-5809	Screw—Upper Housing and Detent
480-5853	Drive Pin
497-5892	Screw
509-5924	Screw
3745-6726	Locknut
462-7203	Lockwasher
461-7220	Lockwasher
3945-7235	Washer
3745-7709	Rivet—Latch
501-8600	Cotter Pin
519-8608	Cotter Pin

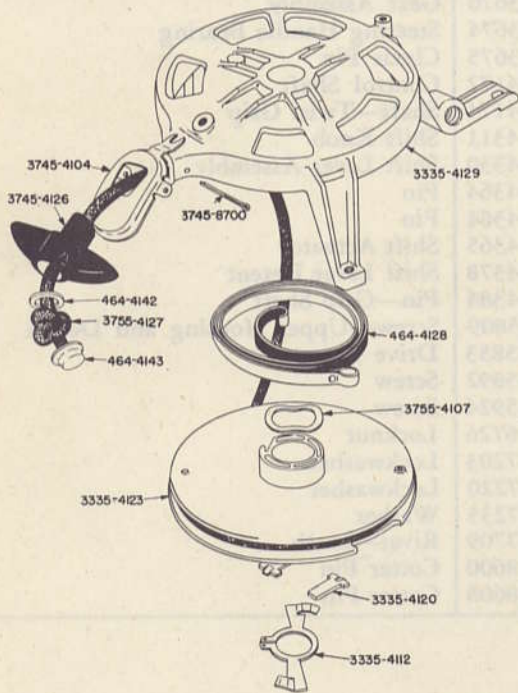


## GAS TANK — 3055



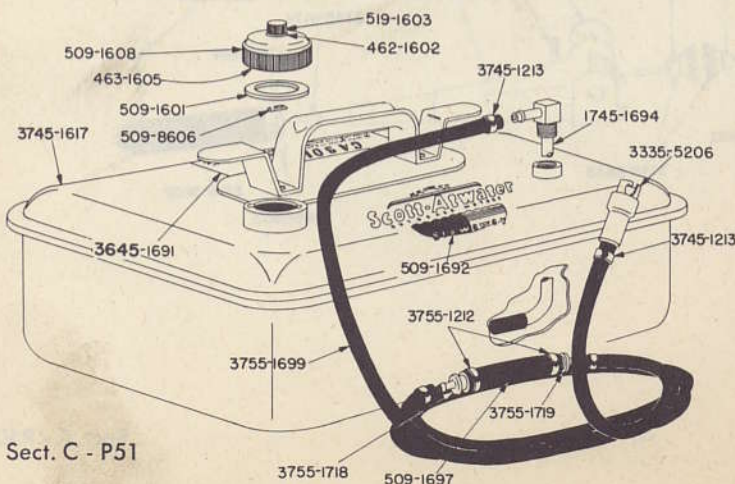
Part Number	Description
3835-1100	Gas Line
1325-1204	Gas Line Male Connector
462-1601	Gas Tank Cap Gasket
5111-1608	Gas Tank Cap Assembly
3055-1616	Decal
3055-1617	Gas Tank Assembly
486-1619	Gas Tank Skirt
476-1620	Gas Tank Skirt Screw Spacer
463-1621	Gas Tank Cap Safety Spring Assembly
3745-1630	Name Decalomania
5011-1636	Starter Fastening Ring
3055-1800	Gas Line Shutoff and Screen Assembly
462-1866	Gas Tank Bracket Washer
463-1867	Front Gas Tank Bracket
470-1886	Rear Gas Tank Bracket
465-5800	Gas Tank Bracket Screw
462-5806	Screw—Gas Tank Skirt
493-6715	Speed Nut Starter Fastening
462-7203	Lockwasher—Gas Tank and Bracket
463-7214	Screw
	Lockwasher—Gas Tank Screw Skirt

## STARTER — 3355, 3755, 3855



Part Number	Description
3755-1212	Insert—Primer Tube
3745-1213	Ferrule
*509-1601	Gas Tank Cap Gasket
462-1602	Vent Screw Washer
519-1603	Vent Screw
463-1605	Gas Tank Cap Spring
*509-1608	Gas Tank Cap Assembly
3745-1617	Gas Tank Assembly
3645-1691	Gasoline Mixing Instruction Decal
*509-1692	Name Decal
1745-1694	Gas Tank Outlet Assembly
509-1697	Primer Tube
3755-1699	Gas Line Assembly
3755-1718	Check Valve Assembly
3755-1719	Coupling
*462-4103	Auxiliary Starting Rope Assembly
	*Not included with motor
3745-4104	Panel
3755-4107	Washer
3335-4112	Starter Pawl Friction Spring
3335-4120	Starter Pawl
3335-4123	Starter Spring Plate Pulley (Incl. Bearing)
3745-4126	Starter Cord Knob
3755-4127	Starter Cord
464-4128	Starter Cord Return Spring
3335-4129	Starter Housing
464-4142	Starter Cord Knob Cup
464-4143	Starter Cord Knob Cup Cover
3345-4148	Starter Assembly
3335-5206	Socket—Fuel Coupling
509-8606	Cotter Pin
3745-8700	Cotter Pin
3745-8823	Gas Tank and Hose Assy. Complete
B23-1682	Gas Line Hose by the Foot
	*Included in 3745-1617 Assembly

## STOWAWAY TANK — 3755

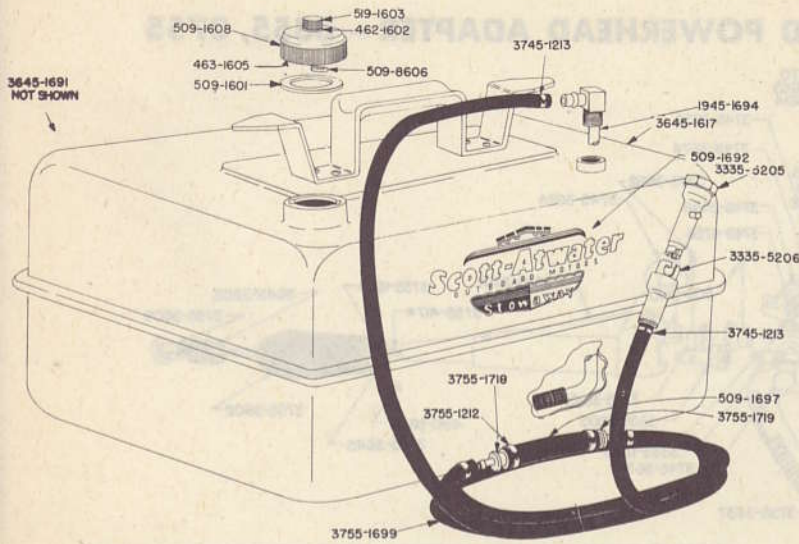








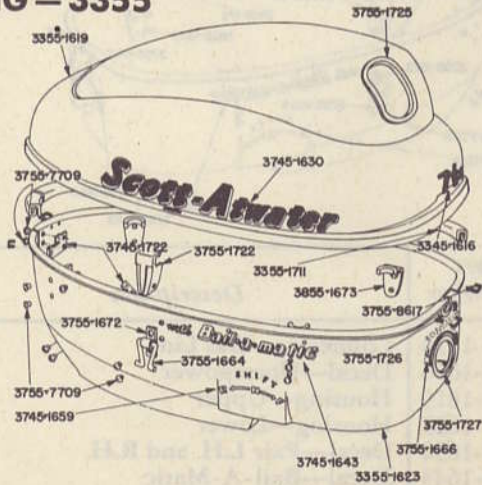
# STOWAWAY TANK — 3355, 3655, 3855, 3955



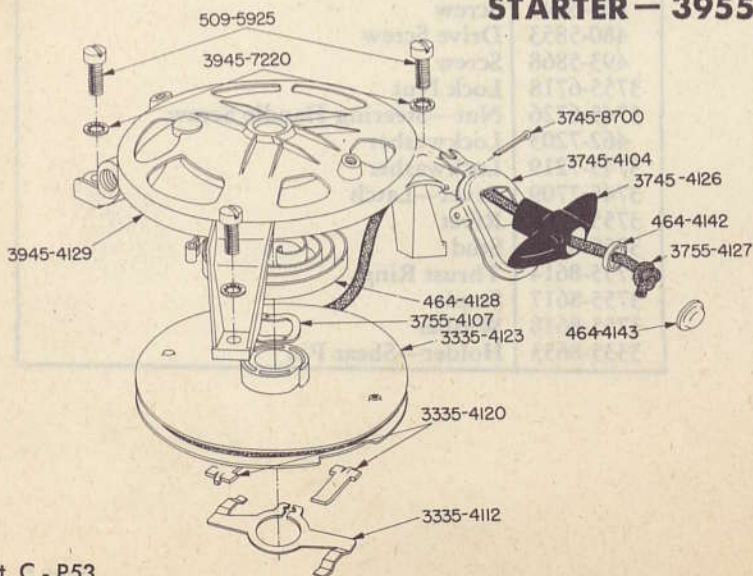
Part Number	Description
3755-1212	Ferrule—Primer Tube
3745-1213	Ferrule
509-1601	Gasket—Cap
462-1602	Washer—Vent Screw
519-1603	Vent Screw
463-1605	Spring
509-1608	Cap Assembly
3645-1617	Tank Assembly
3645-1691	Decal—Instruction
509-1692	Decal—Name
1945-1694	Outlet Assembly
509-1697	Primer Tube
3755-1699	Gas Line Assembly
3755-1718	Check Valve Assembly
3755-1719	Coupling
3335-5205	Fuel Coupling
3335-5206	Socket—Assembly
509-8606	Hair Pin Cotter
3345-8823	Tank and Hose Assembly

Part Number	Description
3345-1616	Decal—HP
3355-1619	Housing—Upper
3355-1623	Housing—Lower
3745-1630	Decal—Pr.
3745-1643	Decal—Bail-A-Matic
3745-1659	Decal—Shift
3755-1664	Spring
3755-1666	Decal
3755-1672	Bracket
3855-1673	Bracket
3355-1711	Molding
3745-1722	Latch
3755-1722	Latch
3755-1725	Grommet
3755-1726	Grommet
3755-1727	Grommet
3755-7709	Rivet
3755-8617	Staple

## HOUSING — 3355



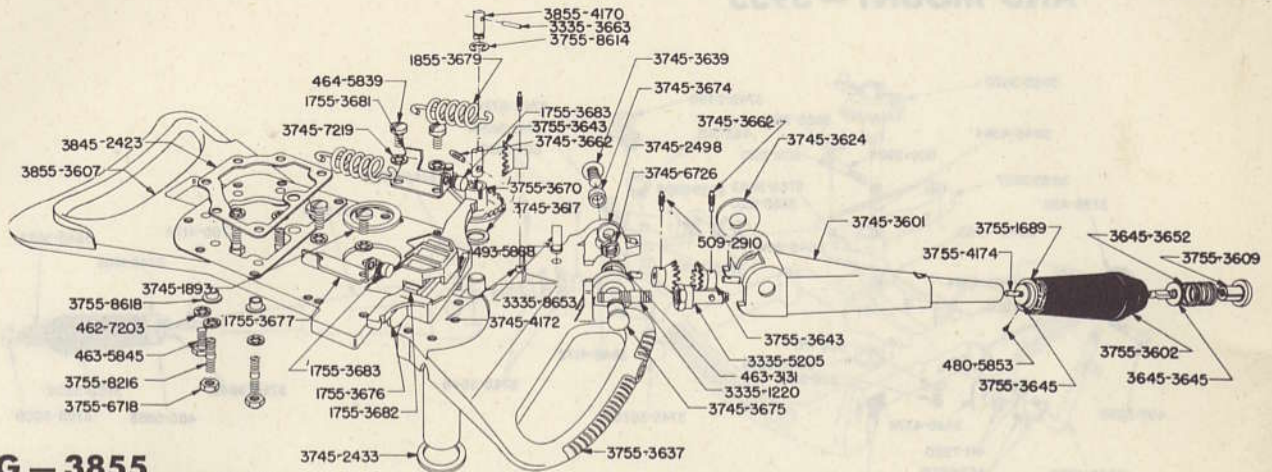
## STARTER — 3955



Part Number	Description
*462-4103	Auxiliary Starting Rope Assembly *Not included with motor
3745-4104	Panel
3755-4107	Spring Washer
3335-4112	Starter Pawl Friction Spring
3335-4120	Starter Pawl
3335-4123	Starter Spring Plate Pulley (Incl. Bearing)
3745-4126	Starter Cord Knob
3755-4127	Starter Cord
464-4128	Starter Cord Return Spring
3945-4129	Starter Housing
464-4142	Starter Knob Cup
464-4143	Starter Knob Cover
3955-4148	Starter Assembly
509-5925	Screw
3945-7220	Lockwasher
3745-8700	Cotter Pin



# STEERING HANDLE, TWIST GRIP AND POWERHEAD ADAPTER — 3855



## HOUSING — 3855

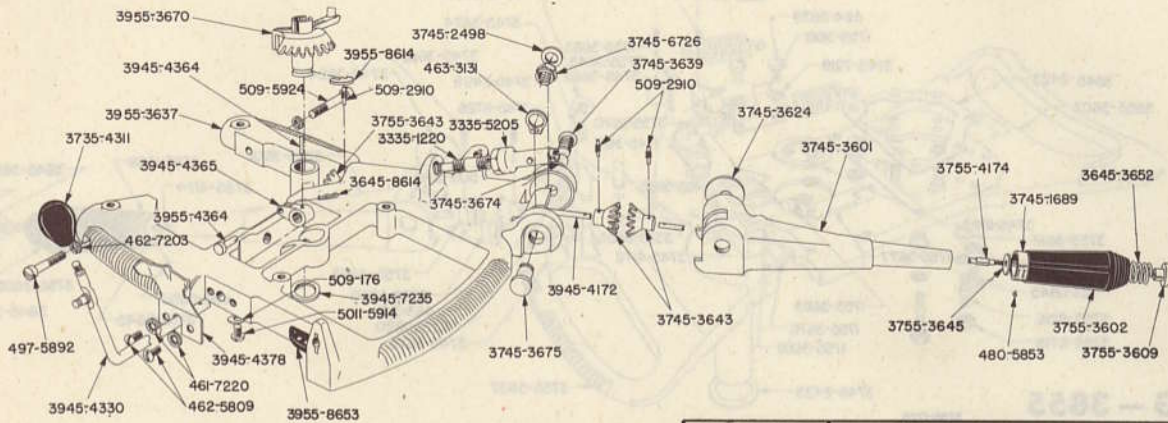


Part Number	Description
3335-1220	Connector—Gas Line
3845-1616	Decal—Horsepower
3855-1619	Housing—Upper
3855-1623	Housing—Lower
3745-1630	Decal—Pair L.H. and R.H.
3745-1643	Decal—Bail-A-Matic
3745-1659	Decal—Shift
3755-1664	Spring
3755-1666	Decal
3755-1672	Bracket
3855-1673	Bracket
3755-1689	Speed Indicator
3855-1711	Molding
3745-1722	Latch
3755-1722	Latch—Lower Housing
3755-1725	Grommet
3755-1726	Grommet
3755-1727	Grommet
3745-1893	Seal Ring
3845-2423	Gasket
3745-2433	Thrust Washer
3745-2498	Washer
509-2910	Pin—Twist Grip Gear
463-3131	Retaining Ring—Clevis Pin
3745-3601	Handle—Steering

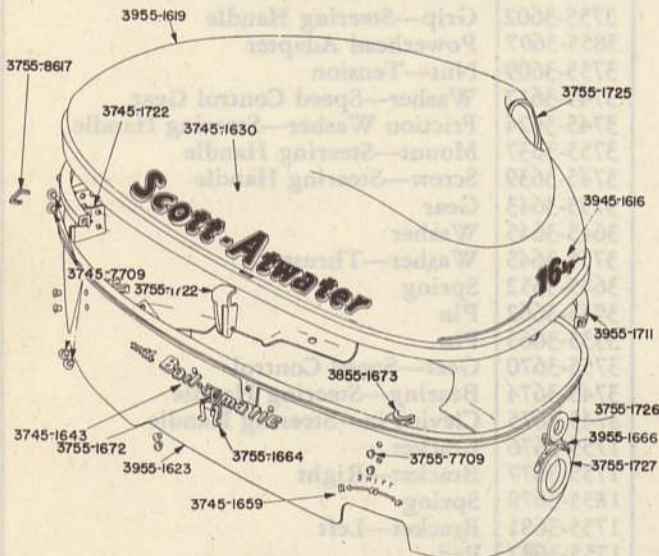
Part Number	Description
3755-3602	Grip—Steering Handle
3855-3607	Powerhead Adapter
3755-3609	Nut—Tension
3745-3617	Washer—Speed Control Gear
3745-3624	Friction Washer—Steering Handle
3755-3637	Mount—Steering Handle
3745-3639	Screw—Steering Handle
3755-3643	Gear
3645-3645	Washer
3755-3645	Washer—Thrust
3645-3652	Spring
3745-3662	Pin
3335-3663	Pin
3755-3670	Gear—Speed Control
3745-3674	Bearing—Steering Handle
3745-3675	Clevis Pin—Steering Handle
1755-3676	Bracket
1755-3677	Bracket—Right
1855-3679	Spring
1755-3681	Bracket—Left
1755-3682	Pad
1755-3683	Bumper
3855-4170	Shaft—Speed Control Gear
3745-4172	Shaft—Gear Connector
3755-4174	Shaft—Twist Grip
3335-5205	Male Connection—Fuel Line
464-5839	Screw
463-5845	Screw
480-5853	Drive Screw
493-5868	Screw
3755-6718	Lock Nut
3745-6726	Nut—Steering Handle Screw
462-7203	Lockwasher
3745-7219	Lockwasher
3755-7709	Rivet
3755-8216	Stud
3755-8614	Thrust Ring
3755-8617	Staple
3755-8618	Washer
3335-8653	Holder—Shear Pin



# TWIST GRIP, STEERING HANDLE AND MOUNT — 3955



## HOUSING — 3955

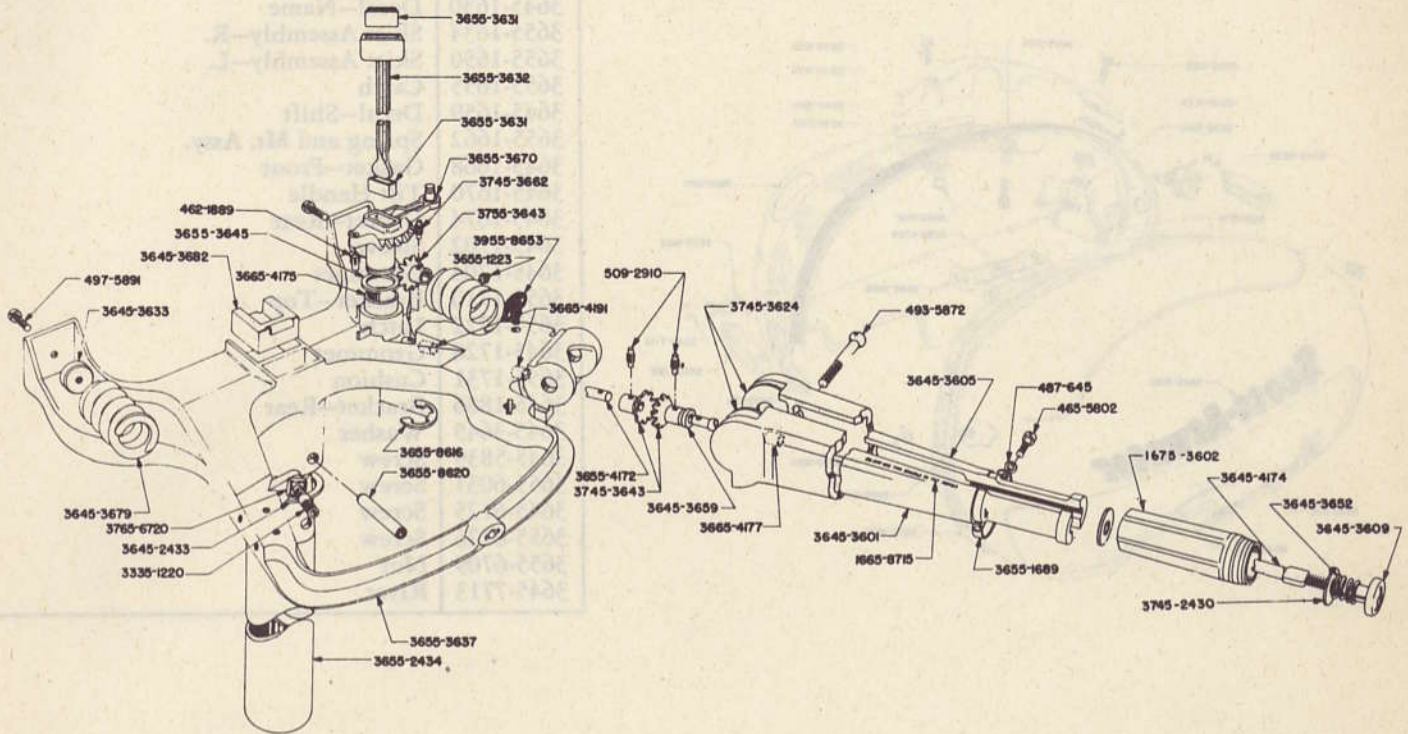


3755-1689	Speed Indicator Decal
3955-1711	Cushion—Housing
3745-1722	Latch
3755-1722	Latch
3755-1725	Grommet—Panel
3755-1726	Grommet—Idle
3755-1727	Grommet
3745-2498	Washer
509-2910	Pin
463-3131	Retaining Ring
3745-3601	Steering Handle
3755-3602	Twist Grip
3755-3609	Nut—Twist Grip
3745-3624	Friction Washer
3955-3637	Handle Mount
3745-3639	Pivot Bolt—Steering Handle
3745-3643	Gear
3755-3643	Gear
3755-3645	Washer—Twist Grip
3645-3652	Spring
3955-3670	Gear Assembly
3745-3674	Steering Handle Bearing
3745-3675	Clevis Pin
3945-4172	Control Shaft
3755-4174	Shaft—Twist Grip
3735-4311	Shift Knob
3945-4330	Shift Lever Assembly
3945-4364	Pin—Shift Actuator
3955-4364	Pin—Roll
3945-4365	Shift Actuator
3945-4378	Shift Lever Detent
3335-5205	Coupling
462-5809	Screw—Detent
480-5853	Drive Pin
497-5892	Screw
5011-5914	Screw
509-5924	Screw
3745-6726	Locknut
462-7203	Lockwasher
461-7220	Lockwasher
3945-7235	Washer
3755-7709	Rivet
3645-8614	Retainer
3955-8614	E Ring
3755-8617	Staple
3955-8653	Holder—Shear Pin

Part Number	Description
509-176	Drain Tube Support
3335-1220	Fitting
3945-1616	Decal—Horsepower
3955-1619	Housing—Upper
3955-1623	Housing—Lower
3745-1630	Decal—Pair (R.H. and L.H.)
3745-1643	Decal—Bail-A-Matic
3745-1659	Decal—Shift
3755-1664	Spring—Bracket
3955-1666	Decal
3755-1672	Bracket
3855-1673	Bracket



# STEERING HANDLE AND MOUNT ASSEMBLY—3655, 3665

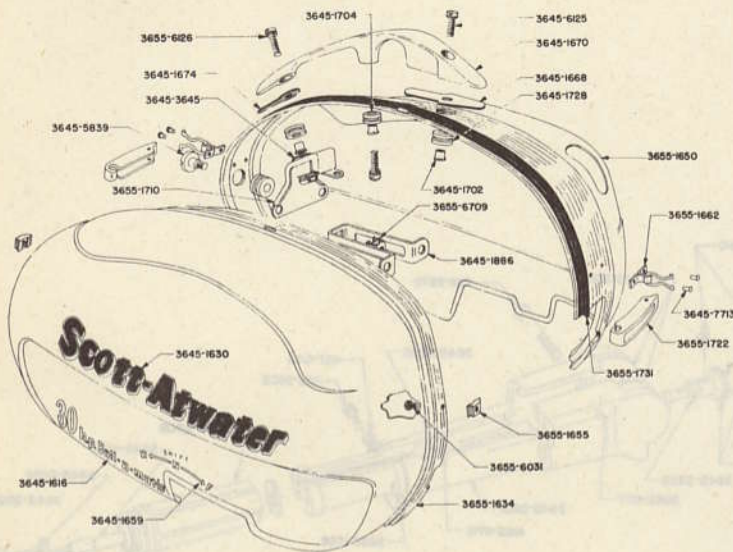


Part Number	Description
487-645	Washer
3335-1220	Connector—Gas Line
3655-1223	Fitting
3655-1689	Speed Indicator
462-1889	Pin—Stop
3745-2430	Washer
3645-2433	Thrust Washer
3655-2434	Pivot Tube
509-2910	Pin—Twist Grip Gear
3645-3601	Handle—Right
1675-3602	Handle Grip
3645-3605	Handle—Left
3645-3609	Nut—Tension
3745-3624	Washer—Friction
3655-3631	Boot—Coupling
3655-3632	Coupling
3645-3633	Mount—Spring Retainer
3655-3637	Handle Mount
3745-3643	Gear—Twist Grip
3755-3643	Gear—Twist Grip

Part Number	Description
3655-3645	Thrust Washer
3645-3652	Spring—Handle Grip
3645-3659	Spacer
3745-3662	Pin—Gear
3655-3670	Gear—Speed Cont.
3645-3679	Spring
3645-3682	Pad—Motor Carrier
3655-4172	Shaft
3645-4174	Shaft
3665-4175	Bearing—Speed Cont. Gear
3665-4177	Bushing
3665-4191	Bushing
465-5802	Screw—Handle Clamp
493-5872	Screw—Handle Clamp
497-5891	Screw—Retainer Mt.
3765-6720	Nut
3655-8616	Retaining Ring
3655-8620	Pin—Tube Retaining
3955-8653	Holder—Shear Pin
1665-8715	Decal

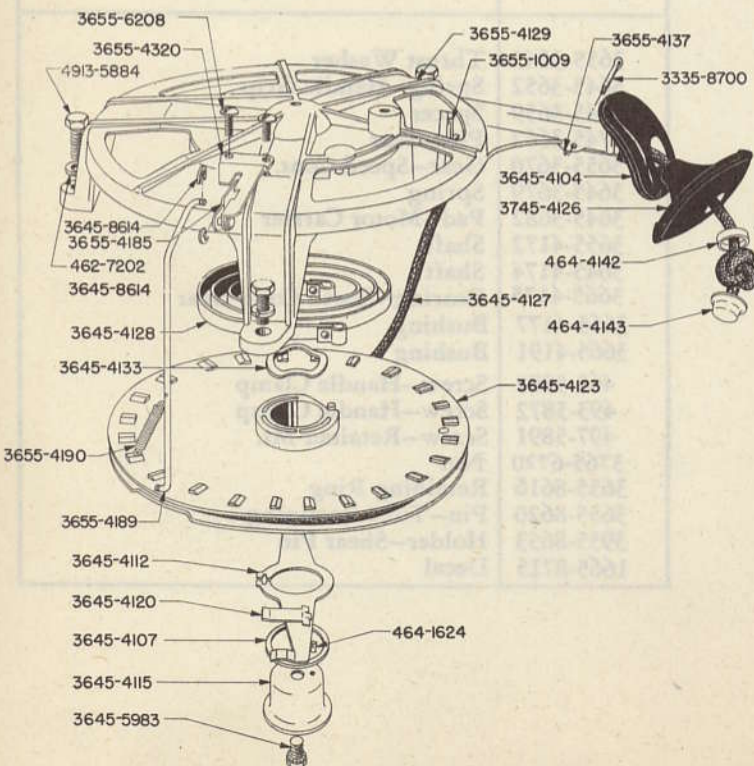


## HOUSING — 3655



Part Number	Description
3645-1616	Decal—H.P.
3645-1630	Decal—Name
3655-1634	Skirt Assembly—R.
3655-1650	Skirt Assembly—L.
3655-1655	Catch
3645-1659	Decal—Shift
3655-1662	Spring and Mt. Assy.
3645-1668	Gasket—Front
3645-1670	Tilt Handle
3645-1674	Gasket—Rear
3645-1702	Sleeve
3645-1704	Grommet
3655-1710	Bracket—Top
3655-1722	Latch
3645-1728	Grommet
3655-1731	Cushion
3645-1886	Bracket—Rear
3645-3645	Washer
3645-5839	Screw
3655-6031	Screw
3645-6125	Screw
3655-6126	Screw
3655-6709	Nut
3645-7713	Rivet

## STARTER — 3655

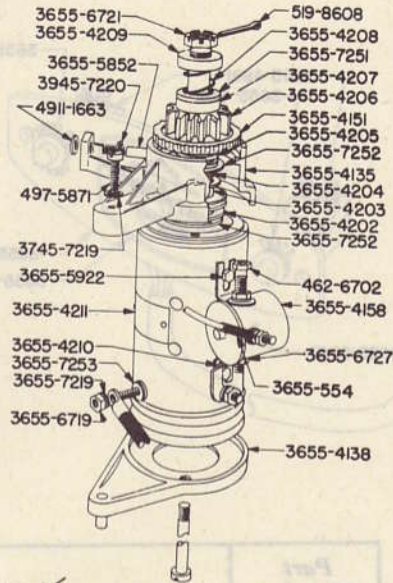


Part Number	Description
3655-1009	Bracket—Silencer
464-1624	Groove Pin
3645-4104	Panel
3645-4107	Spacer
3645-4112	Friction Spring Pawl
3645-4115	Hub
3645-4120	Pawl
3645-4123	Pulley Assembly
3745-4126	Knob—Starter Cord
3645-4127	Starter Cord
3645-4128	Return Spring Assembly
3655-4129	Housing
3645-4133	Thrust Washer
3655-4137	Guide
464-4142	Cup—Starter Knob
464-4143	Cup Cover
3655-4148	Starter Assembly Complete
3655-4185	Latch—Start Lock
3655-4189	Lock Link
3655-4190	Spring
3655-4320	Bracket and Pin Assy.
4913-5884	Screw
3645-5983	Screw
3655-6028	Screw
462-7202	Lockwasher
3645-8614	Retaining Ring
3335-8700	Cotter Pin

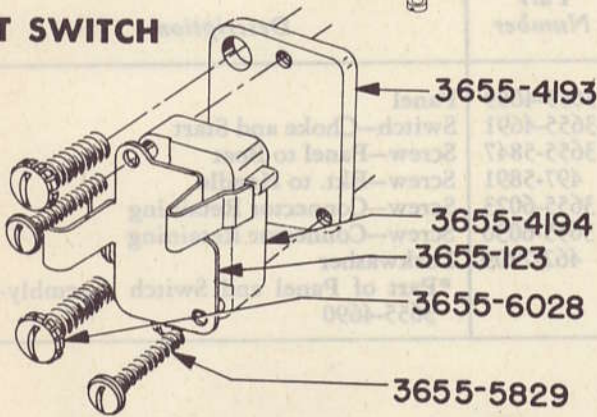


THESE PARTS USED ON ELECTRIC STARTING  
 MODELS 3655-3 AND 3655-4 AND EARLY  
 MODEL 3665-3 AND 3665-4.

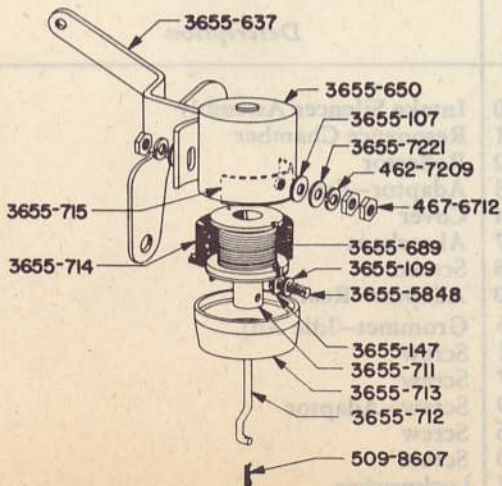
**ELECTRIC STARTER**



**LIMIT SWITCH**



**CHOKE SOLENOID**



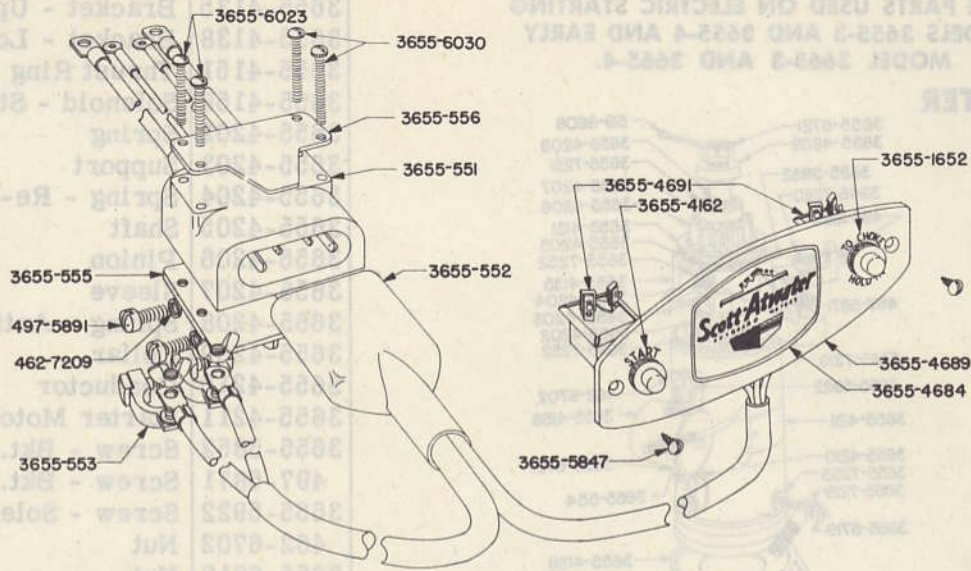
Part Number	Description
3655-554	Wire Limit Sw. to Starter
4911-1663	Spacer
3655-4135	Bracket - Upper Starter
3655-4138	Bracket - Lower Starter
3655-4151	Thrust Ring
3655-4158	Solenoid - Starter
3655-4202	Spring
3655-4203	Support
3655-4204	Spring - Re-entry
3655-4205	Shaft
3655-4206	Pinion
3655-4207	Sleeve
3655-4208	Spring - Anti-drive
3655-4209	Collar
3655-4210	Conductor
3655-4211	Starter Motor only
3655-5852	Screw - Bkt. to Powerhead
497-5871	Screw - Bkt. Mt.
3655-5922	Screw - Solenoid
462-6702	Nut
3655-6719	Nut
3655-6721	Nut
3655-6727	Nut
3655-7219	Lockwasher
3745-7219	Lockwasher
3945-7220	Lockwasher
3655-7251	Washer
3655-7252	Thrustwasher
3655-7253	Washer
519-8608	Cotter Key

Part Number	Description
3655-123	Guide
3655-4193	Bracket
3655-4194	Limit Switch
3655-5829	Screw - Switch
3655-6028	Screw - Bracket

Part Number	Description
3655-107	Insulating Bushing
3655-109	Insulating Washer
3655-147	Solder Lug
3655-637	Bracket - Choke Solenoid
3655-638	Choke Solenoid Assembly
3655-650	Can Assembly
3655-689	Coil
3655-711	Plunger
3655-712	Choke Shaft
3655-713	Boot
3645-714	Sleeve
3655-715	Bracket
3655-5848	Screw
467-6712	Nut
462-7209	Lockwasher
3655-7221	Washer
509-8607	Hair Pin Cotter



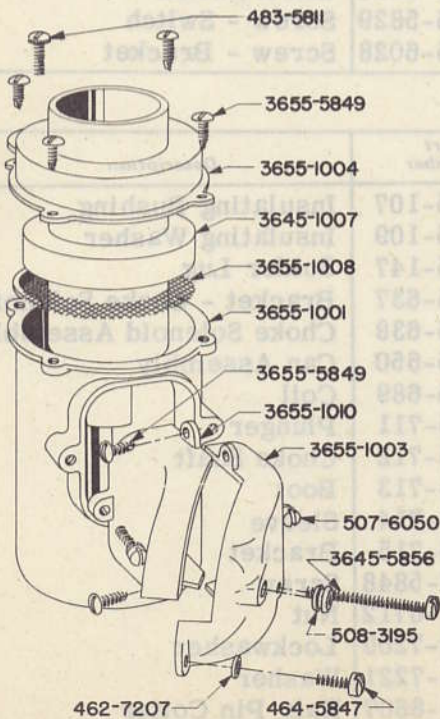
# PANEL AND CONNECTOR ASSEMBLY — 3655-3 and 3655-4



Part Number	Description
3655-551	Harness—to Powerhead
3655-552	Harness—Panel to Connector
3655-553	Connector Battery
3655-555	Bracket—Connector
3655-556	Plate—Connector Cover
*3655-1652	Decal—Choke
*3655-4162	Decal—Start
*3655-4684	Decal—Name Plate
3655-4690	Panel and Switch Assembly

Part Number	Description
*3655-4689	Panel
*3655-4691	Switch—Choke and Start
*3655-5847	Screw—Panel to Boat
497-5891	Screw—Bkt. to Handle
3655-6023	Screw—Connector Retaining
3655-6030	Screw—Connector Retaining
462-7209	Lockwasher
	*Part of Panel and Switch Assembly—3655-4690

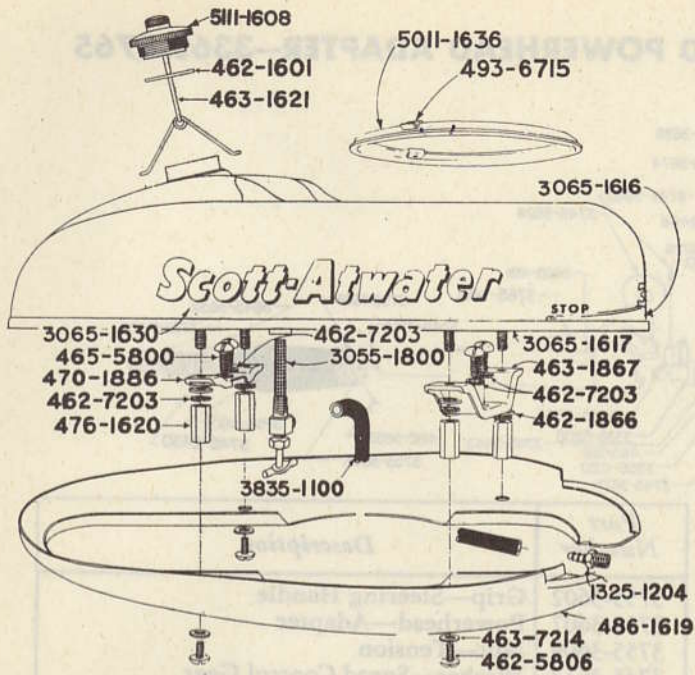
## INTAKE SILENCER — 3655



Part Number	Description
3655-1000	Intake Silencer Assembly
3655-1001	Resonance Chamber
3645-1002	Reflector
3655-1003	Adaptor—Front
3655-1004	Cover
3645-1007	Absorbent Screen
3655-1008	Screen
3655-1010	Adaptor—Rear
508-3195	Grommet—Idle Adj.
483-5811	Screw
464-5847	Screw
3655-5849	Screw—Adaptor
3645-5856	Screw
507-6050	Screw
462-7207	Lockwasher



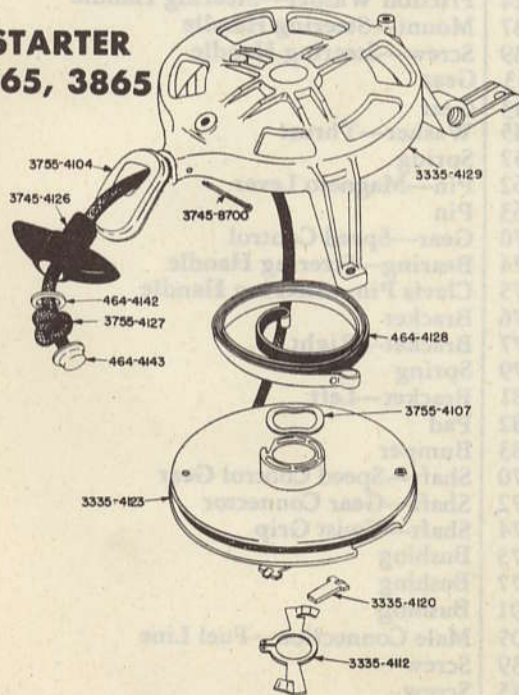
## GAS TANK—3065



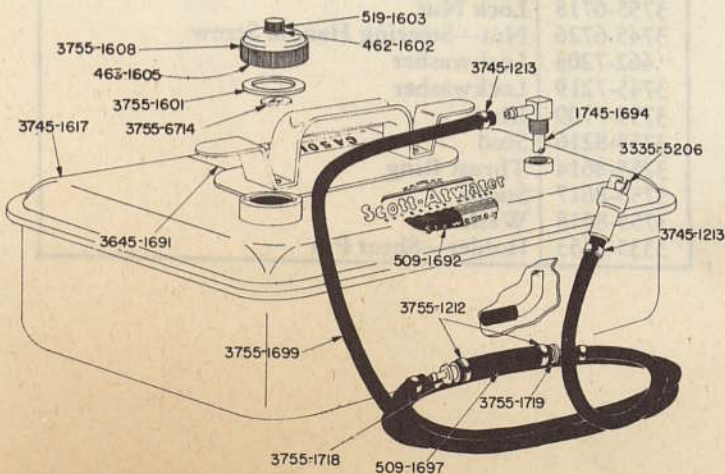
Part Number	Description
3835-1100	Gas Line
1325-1204	Gas Line Male Connector
462-1601	Gas Tank Cap Gasket
5111-1608	Gas Tank Cap Assembly
3065-1616	Decal
3065-1617	Gas Tank Assembly
486-1619	Gas Tank Skirt
476-1620	Gas Tank Skirt Screw Spacer
463-1621	Gas Tank Cap Safety Spring Assembly
3065-1630	Name Decalomania
5011-1636	Starter Fastening Ring
3055-1800	Gas Line Shutoff and Screen Assembly
462-1866	Gas Tank Bracket Washer
463-1867	Front Gas Tank Bracket
470-1886	Rear Gas Tank Bracket
465-5800	Gas Tank Bracket Screw
462-5806	Screw—Gas Tank Skirt
493-6715	Speed Nut Starter Fastening
462-7203	Lockwasher—Gas Tank and Bracket Screw
463-7214	Lockwasher—Gas Tank Screw Skirt

## STARTER

3365, 3765, 3865



## STOWAWAY TANK—3765

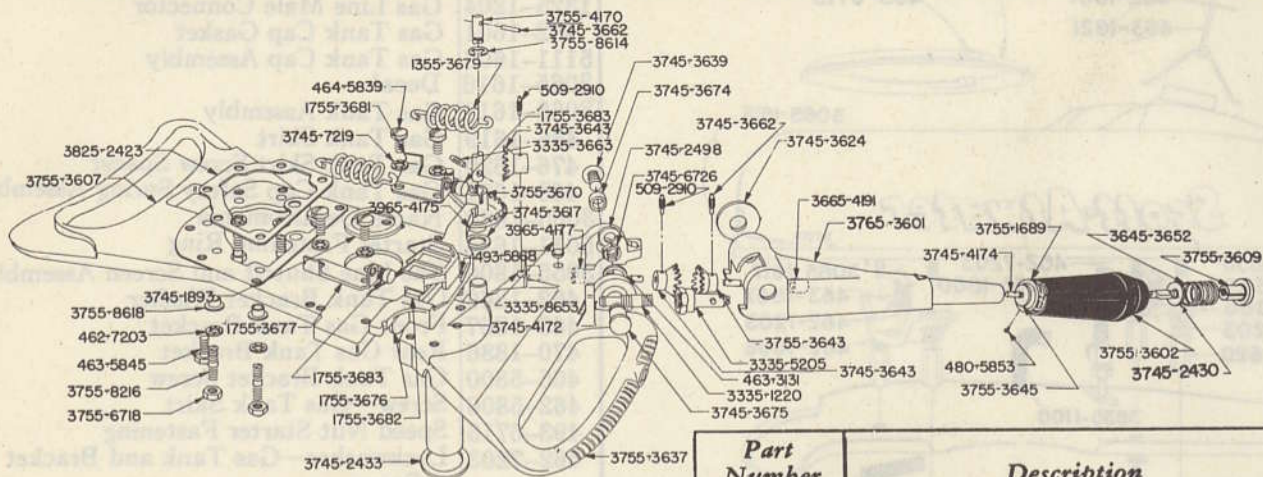


Part Number	Description
3755-1212	Insert—Primer Tube
3745-1213	Ferrule
3755-1601	Gas Tank Cap Gasket
462-1602	Vent Screw Washer
519-1603	Vent Screw
463-1605	Gas Tank Cap Spring
3755-1608	Gas Tank Cap Assembly
3745-1617	Gas Tank Assembly
3645-1691	Gasoline Mixing Instruction Decal
*509-1692	Name Decal
1745-1694	Gas Tank Outlet Assembly
509-1697	Primer Tube
3755-1699	Gas Line Assembly
3755-1718	Check Valve Assembly
3755-1719	Coupling
*462-4103	Auxiliary Starting Rope Assembly *Not included with motor
3755-4104	Panel
3755-4107	Washer
3335-4112	Starter Pawl Friction Spring
3335-4120	Starter Pawl
3335-4123	Starter Spring Plate Pulley (Incl. Bearing)
3745-4126	Starter Cord Knob
3755-4127	Starter Cord
464-4128	Starter Cord Return Spring
3335-4129	Starter Housing
464-4142	Starter Cord Knob Cup
464-4143	Starter Cord Knob Cup Cover
3345-4148	Starter Assembly
3335-5206	Socket—Fuel Coupling
3755-6714	Nut
3745-8700	Cotter Pin
3745-8823	Gas Tank and Hose Assy. Complete
B23-1682	Gas Line Hose by the Foot
	*Included in 3745-1617 Assembly

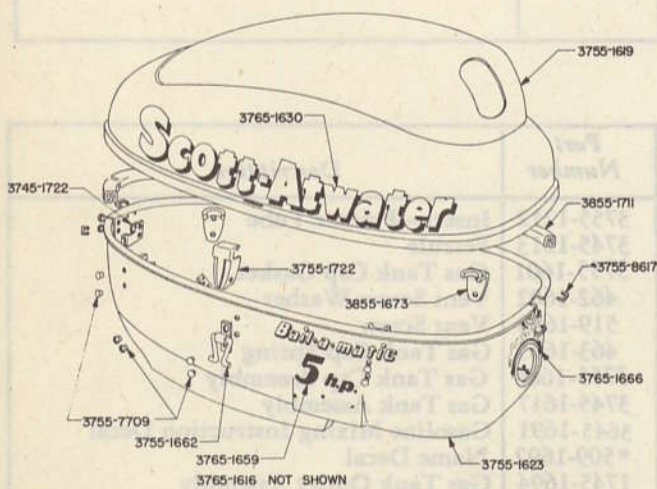
(Starter-3065-P-38)



# STEERING HANDLE, TWIST GRIP AND POWERHEAD ADAPTER—3365-3765



## HOUSING—3765

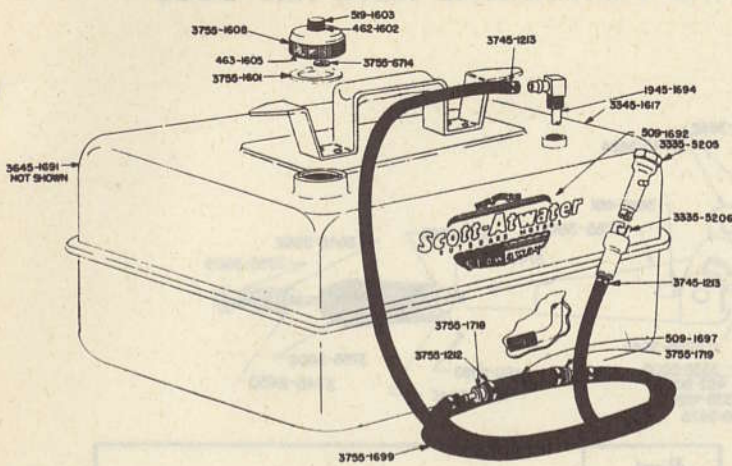


Part Number	Description
3755-3602	Grip—Steering Handle
3755-3607	Powerhead—Adapter
3755-3609	Nut—Tension
3745-3617	Washer—Speed Control Gear
3745-3624	Friction Washer—Steering Handle
3755-3637	Mount—Steering Handle
3745-3639	Screw—Steering Handle
3745-3643	Gear
3755-3643	Gear
3755-3645	Washer—Thrust
3645-3652	Spring
3745-3662	Pin—Magneto Lever
3335-3663	Pin
3755-3670	Gear—Speed Control
3745-3674	Bearing—Steering Handle
3745-3675	Clevis Pin—Steering Handle
1755-3676	Bracket
1755-3677	Bracket—Right
1355-3679	Spring
1755-3681	Bracket—Left
1755-3682	Pad
1755-3683	Bumper
3755-4170	Shaft—Speed Control Gear
3745-4172	Shaft—Gear Connector
3755-4174	Shaft—Twist Grip
3965-4175	Bushing
3965-4177	Bushing
3665-4191	Bushing
3335-5205	Male Connection—Fuel Line
464-5839	Screw
463-5845	Screw
480-5853	Drive Screw
493-5868	Screw
3755-6718	Lock Nut
3745-6726	Nut—Steering Handle Screw
462-7203	Lockwasher
3745-7219	Lockwasher
3755-7709	Rivet
3755-8216	Stud
3755-8614	Thrust Ring
3755-8617	Staple
3755-8618	Washer
3335-8653	Holder—Shear Pin

Part Number	Description
3335-1220	Connector—Gas Line
3765-1616	Decal—Horsepower and Bail-A-Matic
3755-1619	Housing—Upper
3755-1623	Housing—Lower
3765-1630	Decal—Pair L.H. and R.H.
3765-1659	Decal—Shift, HP, and Bail-A-Matic
3755-1662	Spring Assembly
3765-1666	Decal—Carburetor Control
3855-1673	Bracket
3755-1689	Speed Indicator
3855-1711	Bumper—Housing
3745-1722	Latch—Skirt
3755-1722	Latch—Lower Housing
3745-1893	Seal Ring
3825-2423	Gasket
3745-2430	Washer
3745-2433	Thrust Washer
3745-2498	Washer
509-2910	Pin—Twist Grip Gear
463-3131	Retaining Ring—Clevis Pin
3765-3601	Handle—Steering



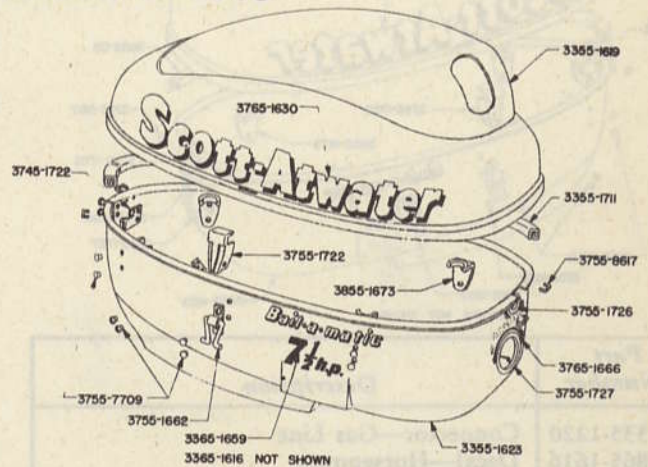
## STOWAWAY TANK—3365, 3665, 3865, 3965



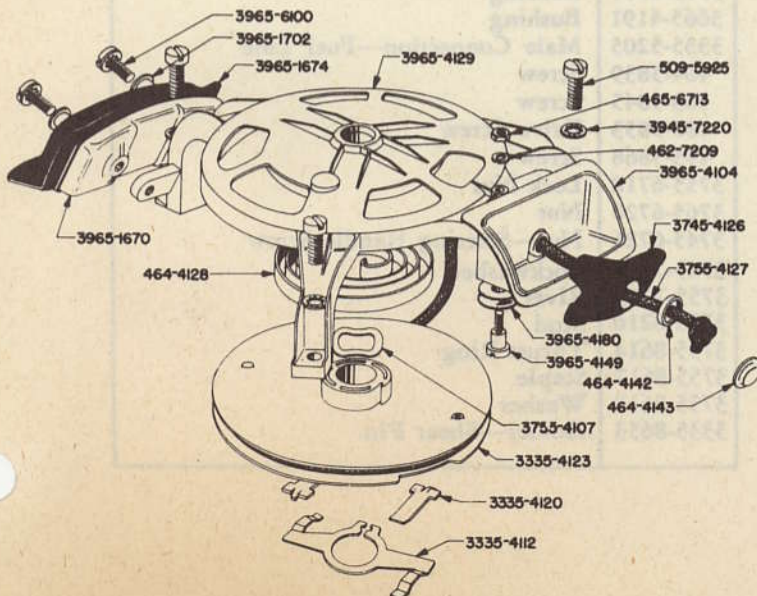
Part Number	Description
3755-1212	Ferrule—Primer Tube
3745-1213	Ferrule
3755-1601	Gas Tank Cap Gasket
462-1602	Vent Screw Washer
519-1603	Vent Screw
463-1605	Gas Tank Cap Spring
3755-1608	Gas Tank Cap Assembly
3345-1617	Gas Tank Assembly
3645-1691	Gasoline Mixing Instruction Decal
*509-1692	Name Decal
*1945-1694	Gas Tank Outlet Assembly
509-1697	Primer Tube
3755-1699	Gas Line Assembly
3755-1718	Check Valve Assembly
3755-1719	Coupling
3335-5205	Plug—Fuel Coupling
3335-5206	Socket—Fuel Coupling
3755-6714	Nut
3345-8823	Gas Tank and Hose Assy. Complete
B23-1682	Gas Line Hose by the Foot
	*Included in 3345-1617 Assembly

Part Number	Description
3365-1616	Decal—Horsepower and Bail-A-Matic
3355-1619	Housing—Upper
3355-1623	Housing—Lower
3765-1630	Decal—Pair L.H. and R.H.
3365-1659	Decal—Shift, HP and Bail-A-Matic
3755-1662	Sp. and Clamp Assy.
3765-1666	Decal
3855-1673	Bracket
3355-1711	Molding
3745-1722	Latch
3755-1722	Latch—Lower Housing
3755-1726	Grommet
3755-1727	Grommet
3755-7709	Rivet
3755-8617	Staple

## HOUSING—3365



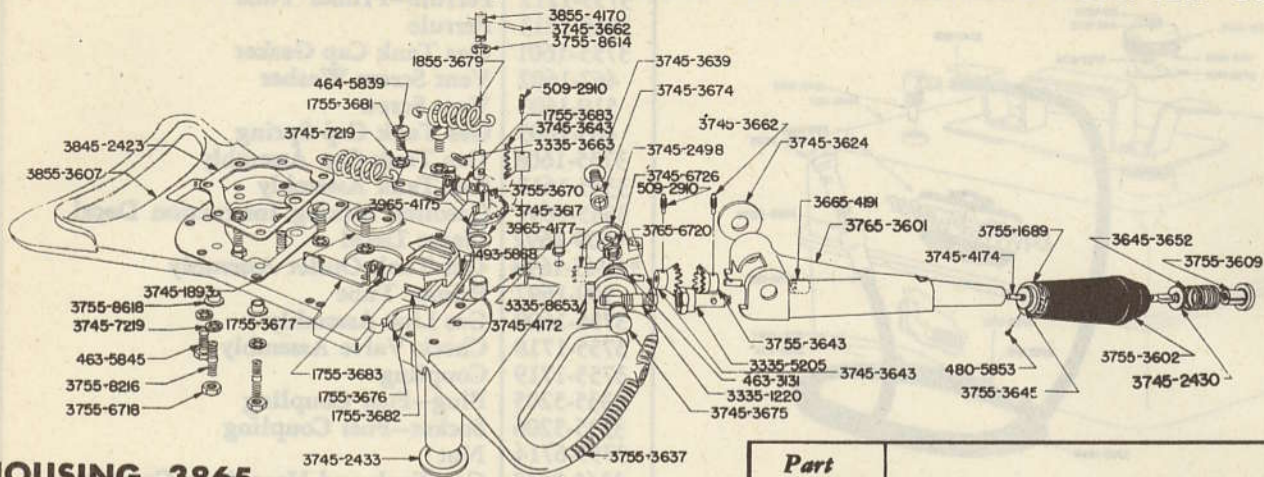
## STARTER—3965



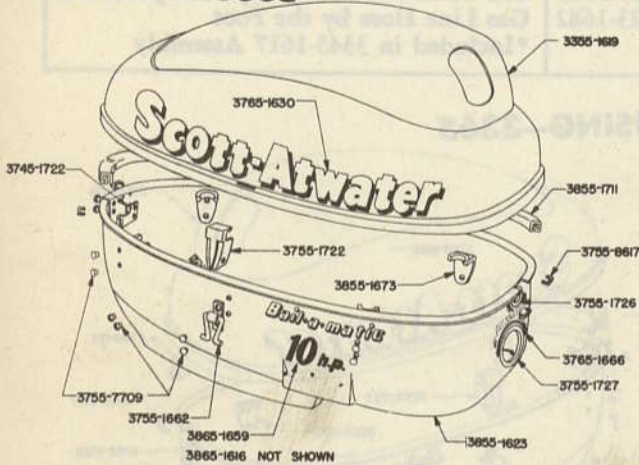
Part Number	Description
3965-1670	Handle—Tilt-up
3965-1674	Molding
3965-1702	Spacer
3965-4104	Panel
3755-4107	Washer
3335-4112	Spring—Friction
3335-4120	Pawl
3335-4123	Pulley Assembly
3745-4126	Knob
3755-4127	Starter Cord
464-4128	Spring
3965-4129	Housing
464-4142	Cup
464-4143	Cover
3965-4148	Starter Assembly
3965-4149	Screw Roller
3965-4180	Roller
509-5925	Screw
3965-6100	Screw—Tilt-up Handle
465-6713	Nut—Roller Screw
462-7209	Lockwasher—Roller Screw
3945-7220	Lockwasher



# STEERING HANDLE, TWIST GRIP AND POWERHEAD ADAPTER—3865



## HOUSING—3865

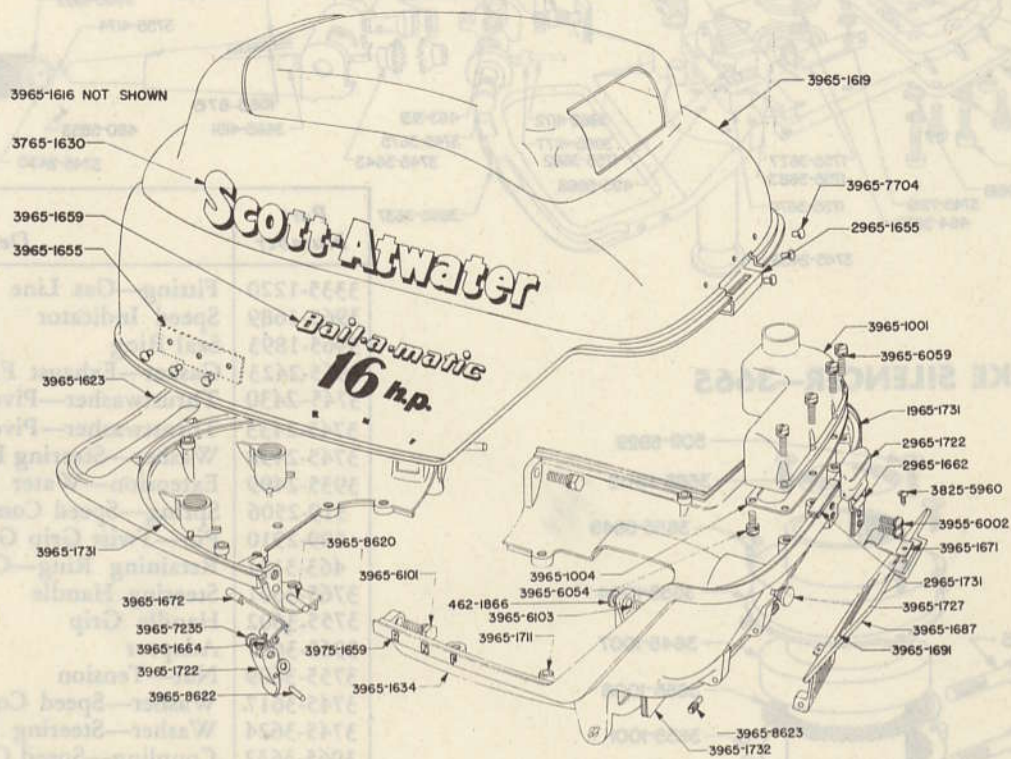


Part Number	Description
3755-3602	Grip—Steering Handle
3855-3607	Powerhead Adapter
3755-3609	Nut—Tension
3745-3617	Washer—Speed Control Gear
3745-3624	Friction Washer—Steering Handle
3755-3637	Mount—Steering Handle
3745-3639	Screw—Steering Handle
3745-3643	Gear—Twist Grip
3755-3643	Gear
3755-3645	Washer—Thrust
3645-3652	Spring
3745-3662	Pin—Magneto Lever
3335-3663	Pin
3755-3670	Gear—Speed Control
3745-3674	Bearing—Steering Handle
3745-3675	Clevis Pin—Steering Handle
1755-3676	Bracket
1755-3677	Bracket—Right
1855-3679	Spring
1755-3681	Bracket—Left
1755-3682	Pad
1755-3683	Bumper
3855-4170	Shaft—Speed Control Gear
3745-4172	Shaft—Gear Connector
3755-4174	Shaft—Twist Grip
3965-4175	Bushing
3965-4177	Bushing
3665-4191	Bushing
3335-5205	Male Connection—Fuel Line
464-5839	Screw
463-5845	Screw
480-5853	Drive Screw
493-5868	Screw
3755-6718	Lock Nut
3765-6720	Nut
3745-6726	Nut—Steering Handle Screw
3745-7219	Lockwasher
3755-7709	Rivet
3755-8216	Stud
3755-8614	Thrust Ring
3755-8617	Staple
3755-8618	Washer
3335-8653	Holder—Shear Pin

Part Number	Description
3335-1220	Connector—Gas Line
3865-1616	Decal—Horsepower
3355-1619	Housing—Upper
3855-1623	Housing—Lower
3765-1630	Decal—Pair L.H. and R.II.
3745-1643	Decal—Bail-A-Matic
3865-1659	Decal—Shift
3755-1662	Spring and Clamp Assy.
3765-1666	Decal
3855-1673	Bracket
3755-1689	Speed Indicator
3855-1711	Molding
3745-1722	Latch
3755-1722	Latch—Lower Housing
3755-1726	Grommet
3755-1727	Grommet
3745-1893	Seal Ring
3845-2423	Gasket
3745-2430	Washer
3745-2433	Thrust Washer
3745-2498	Washer
509-2910	Pin—Twist Grip Gear
463-3131	Retaining Ring—Clevis Pin
3765-3601	Handle—Steering



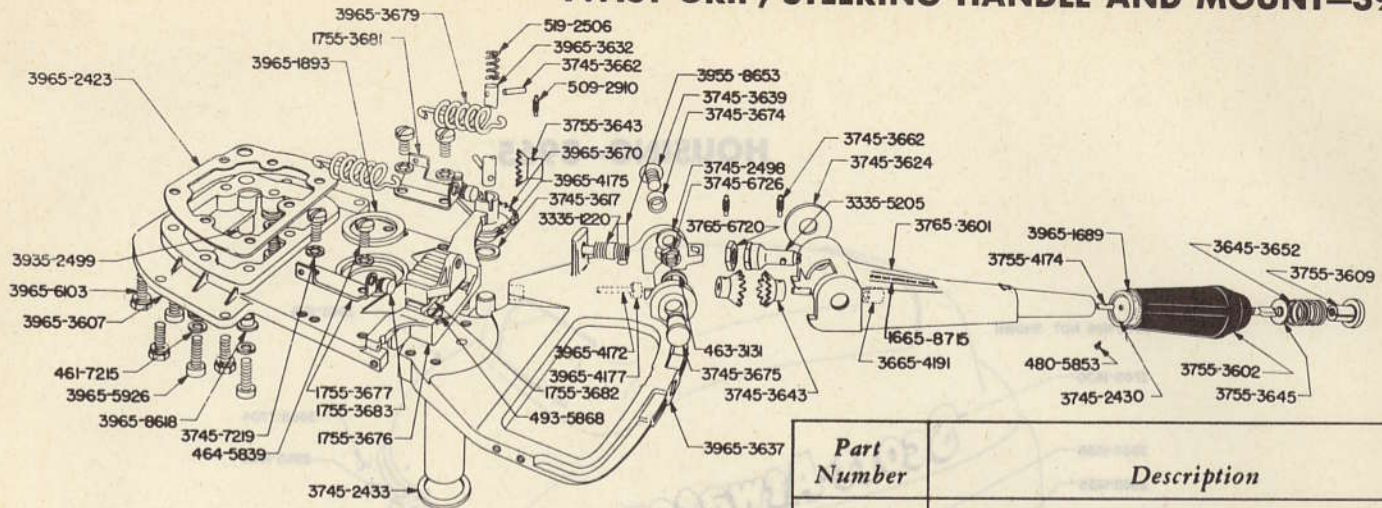
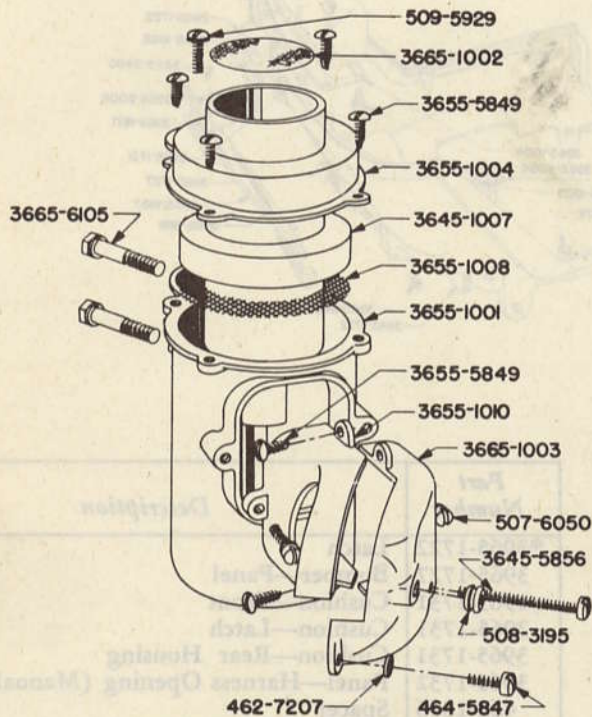
## HOUSING—3965



Part Number	Description
3965-1001	Chamber—Silencer
3965-1004	Cover
3965-1616	H. P. Emblem L. H.
3965-1623	Housing—Lower Rear
3765-1630	Name Plate
3965-1634	Housing—Lower Front
2965-1655	Catch—Front Latch
3965-1655	Catch—Side Latch
3965-1659	Decal—Shift
2965-1662	Spring and Mount Assy.—Front
3965-1662	Latch Assembly—Side
*3965-1664	Spring
3965-1671	Catch—Panel (Not on Elect. Models)
*3965-1672	Hook
3965-1687	Panel
3965-1691	Decal—Operating Instructions
3965-1711	Bumper—Upper
†2965-1722	Latch—Front

Part Number	Description
*3965-1722	Latch
3965-1727	Bumper—Panel
1965-1731	Cushion—Front
3965-1731	Cushion—Rear
3965-1732	Panel—Harness Opening (Manual Only)
462-1866	Spacer
3825-5960	Screw (Manual Only)
3955-6002	Screw—Mt. Assy.
3965-6054	Screw—Cover to Chamber
3965-6059	Screw—Silencer and Housing
3965-6101	Screw
3965-6103	Screw—Housing and Adaptor
3655-6735	Nut—Nameplate
3965-7235	Washer—Latch
3965-7704	Rivet
3965-8620	Pin—Retaining
*3965-8622	Pin—Latch
3965-8623	Pin—Panel Hinge
	*Part of 3965-1662 Assy.
	†Part of 2965-1662 Assy.



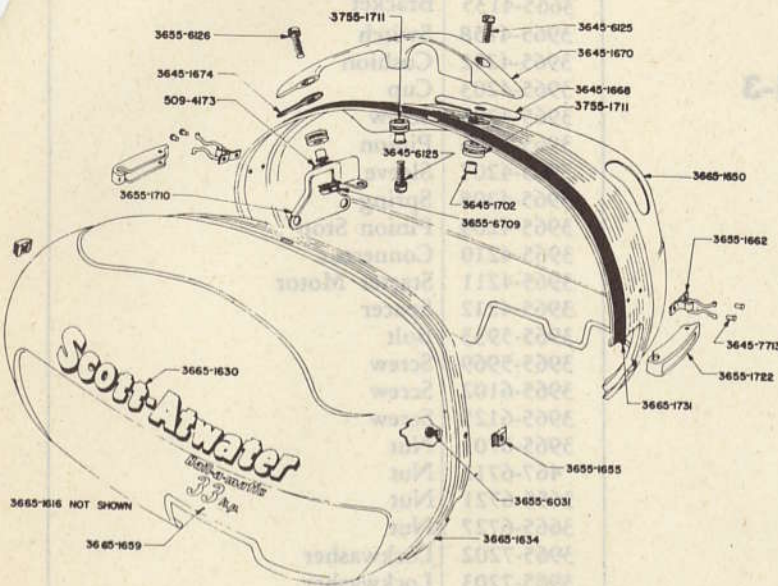
**TWIST GRIP, STEERING HANDLE AND MOUNT—3965****INTAKE SILENCER—3665**

Part Number	Description
3665-1000	Intake Silencer Assembly
3655-1001	Resonance Chamber
3665-1002	Screen
3665-1003	Adaptor—Front
3655-1004	Cover
3645-1007	Absorbent
3655-1008	Screen
3655-1010	Adaptor—Rear
508-3195	Grommet—Idle Adj.
464-5847	Screw
3655-5849	Screw—Adaptor
3645-5856	Screw
509-5929	Screw
507-6050	Screw
3655-6105	Screw
462-7207	Lockwasher

Part Number	Description
3335-1220	Fitting—Gas Line
3965-1689	Speed Indicator
3965-1893	Seal Ring
3965-2423	Gasket—Exhaust Flange
3745-2430	Thrustwasher—Pivot Bracket
3745-2433	Thrustwasher—Pivot Bracket
3745-2498	Washer—Steering Handle Screw
3935-2499	Extension—Water Outlet
519-2506	Spring—Speed Cont. Coupling
509-2910	Pin—Twist Grip Gear
463-3131	Retaining Ring—Clevis Pin
3765-3601	Steering Handle
3755-3602	Handle Grip
3965-3607	Adaptor
3755-3609	Nut—Tension
3745-3617	Washer—Speed Control Gear
3745-3624	Washer—Steering Handle
3965-3632	Coupling—Speed Control Shaft
3965-3637	Handle Mount
3745-3639	Screw—Steering Handle
3745-3643	Gear—Twist Grip
3755-3643	Gear—Twist Grip
3755-3645	Thrust Washer
3645-3652	Spring
3745-3662	Pin—Twist Grip Gear
3965-3670	Gear—Speed Control
3745-3674	Bearing—Steering Handle
3745-3675	Clevis Pin
1755-3676	Bracket—Fwd. Sp. Mount
1755-3677	Bracket—R. R. Sp. Mount
3965-3679	Spring—Upper Mount
1755-3681	Bracket—L. R. Sp. Mount
1755-3682	Motor Pad
1755-3683	Bumper
3965-4172	Shaft—Twist Grip Gear
3755-4174	Shaft—Twist Grip Gear
3965-4175	Bearing—Speed Control Gear
3965-4177	Bushing—Twist Grip Shaft
3665-4191	Bushing—Twist Grip Shaft
3335-5205	Coupling
464-5839	Screw—Rear Sp. Bracket
480-5853	Drivescrew
493-5868	Screw—Fwd. Sp. Bracket
3965-5926	Screw—Adaptor to P'head
3965-6103	Screw—Adaptor to Lower Skirt
3765-6720	Nut
3745-6726	Nut
461-7215	L. W.—Adaptor Screw
3745-7219	L. W. Sp. Mt. Bracket Screws
3965-8618	Washer
3955-8653	Holder—Shear Pin
1665-8715	Decal

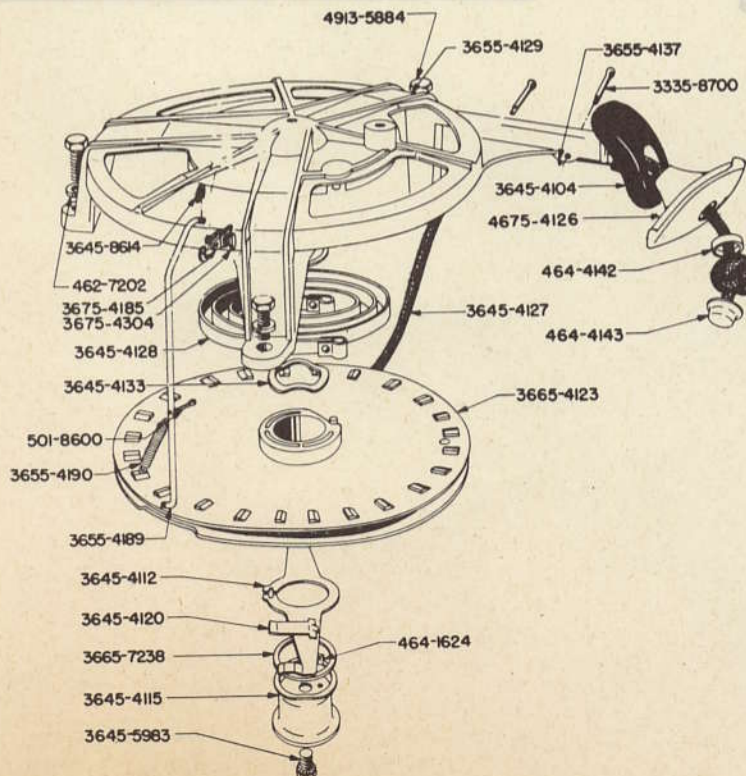


## HOUSING—3665



Part Number	Description
3665-1616	Decal—H.P., Left Side
3665-1630	Decal—Name
3665-1634	Skirt Assembly—R.
3665-1650	Skirt Assembly—L.
3655-1655	Catch
3665-1659	Decal—Shift, H.P. and Bail-a-matic
3655-1662	Spring and Mt. Assy.
3645-1668	Gasket—Front
3645-1670	Tilt Handle
3645-1674	Gasket—Rear
3645-1702	Sleeve
3655-1710	Bracket—Top
3755-1711	Grommet p
3655-1722	Latch
3665-1731	Cushion
509-4173	Washer
3655-6031	Screw
3645-6125	Screw
3655-6126	Screw
3655-6709	Nut
3645-7713	Rivet

## STARTER—3665

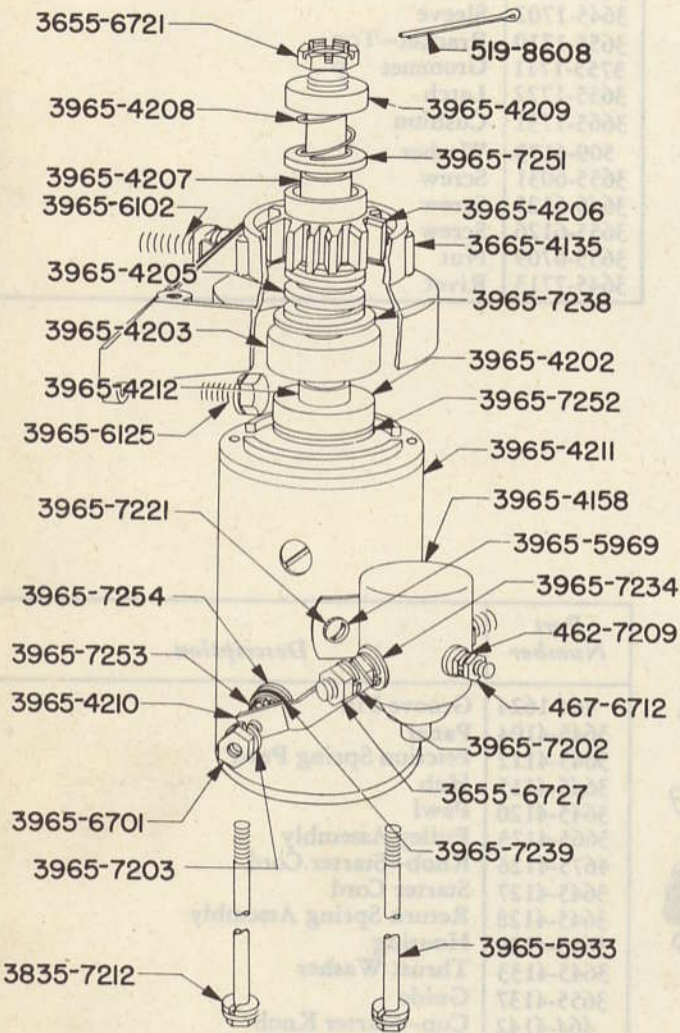


Part Number	Description
464-1624	Groove Pin
3645-4104	Panel
3645-4112	Friction Spring Pawl
3645-4115	Hub
3645-4120	Pawl
3665-4123	Pulley Assembly
4675-4126	Knob—Starter Cord
3645-4127	Starter Cord
3645-4128	Return Spring Assembly
3655-4129	Housing
3645-4133	Thrust Washer
3655-4137	Guide
464-4142	Cup—Starter Knob
464-4143	Cup Cover
4675-4148	Starter Assembly Complete
3675-4185	Latch—Start Lock
3655-4189	Lock Link
3655-4190	Spring
3675-4304	Pin
4913-5884	Screw
3645-5983	Screw
462-7202	Lockwasher
3665-7238	Washer
501-8600	Cotter Pin
3645-8614	Retaining Ring
3335-8700	Cotter Pin



These parts used on models with Delco-Remy Electric Starters only.

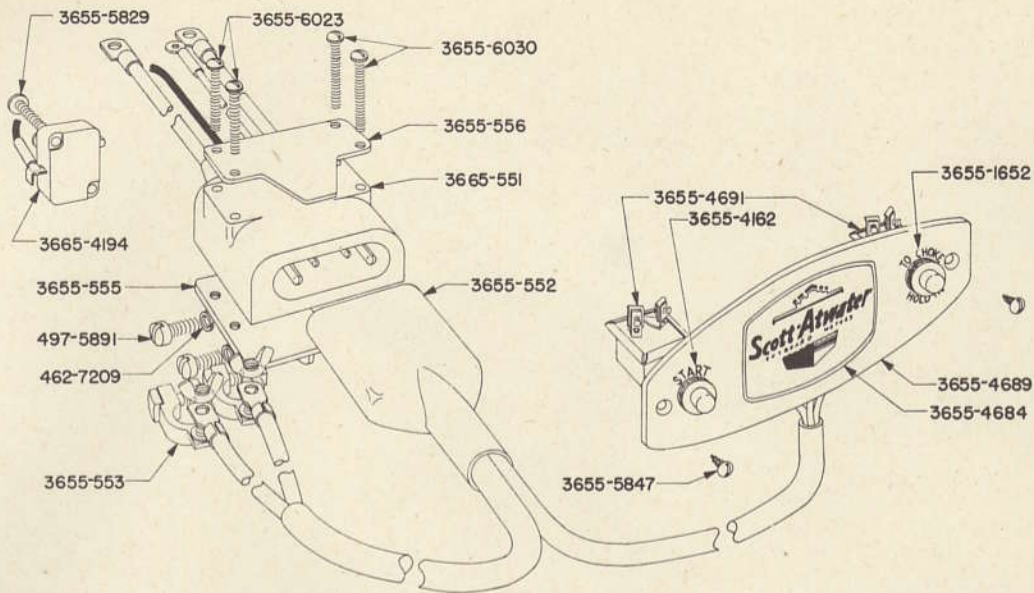
**ELECTRIC STARTER—3665-3, 3665-4, 3965-3  
6 VOLT SYSTEM**



Part Number	Description
3665-4135	Bracket
3965-4158	Switch
3965-4202	Cushion
3965-4203	Cup
3965-4205	Screw
3965-4206	Pinion
3965-4207	Sleeve
3965-4208	Spring
3965-4209	Pinion Stop
3965-4210	Connector
3965-4211	Starter Motor
3965-4212	Spacer
3965-5933	Bolt
3965-5969	Screw
3965-6102	Screw
3965-6125	Screw
3965-6701	Nut
467-6712	Nut
3655-6721	Nut
3665-6727	Nut
3965-7202	Lockwasher
3965-7203	Lockwasher
462-7209	Lockwasher
3835-7212	Lockwasher
3965-7221	Lockwasher
3965-7234	Washer
3965-7238	Washer
3965-7239	Washer
3965-7251	Washer
3965-7252	Thrust Washer
3965-7253	Washer
3965-7254	Washer
519-8608	Cotter



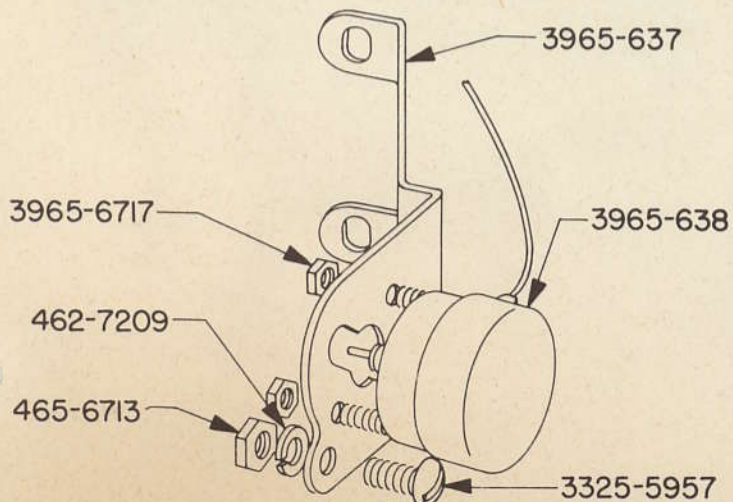
## PANEL AND CONNECTOR ASSEMBLY—3665-3, 3665-4



Part Number	Description
3665-551	Harness—to Powerhead
3655-552	Harness—Panel to Connector
3655-553	Connector Battery
3655-555	Bracket—Connector
3655-556	Plate—Connector Cover
*3655-1652	Decal—Choke
*3655-4162	Decal—Start
■3665-4194	Limit Sw.
*3655-4684	Decal—Name Plate
3655-4690	Panel and Switch Assembly

Part Number	Description
*3655-4689	Panel
*3655-4691	Switch—Choke and Start
3655-5829	Screw Limit Sw. to Beam
*3655-5847	Screw—Panel to Boat
497-5891	Screw—Bkt. to Handle
3655-6023	Screw—Connector Retaining
3655-6030	Screw—Connector Retaining
462-7209	Lockwasher
	*Part of Panel and Switch Assembly—3655-4690
	■ Part of 3665-551 Harness Assy.

## CHOKE SOLENOID—3965-3



Part Number	Description
3965-637	Bracket
3965-638	Solenoid Assembly
3325-5957	Screw
465-6713	Nut
3965-6717	Nut
462-7209	Lockwasher



## SCOTT-ATWATER SERVICE MANUAL

### SECTION D - CARBURETION

#### CONTENTS

	Page
<b>CARBURETOR</b>	1
AJ Models	1
MD Models	2
Float Setting	3
Cleaning	3
<b>REED VALVES</b>	3A
Reed Valve and Plate	4
Inlet Change When Installing Fuel Pumps	4
509 Carburetor Modification	5
<b>FUEL PUMPS</b>	6
5 - 7 1/2 & 10 HP thru '54	6
16 HP - '54	6
5 thru 33 HP - '55, '56	6A
<b>FUEL LINES</b>	6A
<b>PARTS PAGES ON CARBURETOR</b>	Begin P1



## CARBURETION

Consult Section A on the theory of carburetion - this will give you a better understanding of the workings of the motor and consequently will help you in determining the cause of difficulties.

### CARBURETOR

Servicing of the Tillotson carburetors used on all Scott - Atwater motors is largely a matter of proper cleaning and adjustment. The 1946 and 1947 models use an AJ-16A, 17A or 18A. The 1948 and later models use an MD-Series concentric bowl carburetor.

### MODELS WITH AJ CARBURETORS

To service, the following parts should be removed separately and in the order indicated:

1. Carburetor from the motor after gas lines are disconnected.
2. Main adjustment knob, screw and gland assembly.
3. Choke shaft, bracket and shutter assembly.
4. Idle adjustment screw and idle tube and gasket.
5. Float cover.
6. Float - by removing clips on inlet valve stem.
7. Inlet valve plug screw and inlet valve.
8. Inlet seat and gasket.
9. The carburetor throttle shaft and butterfly are removable if necessary.

To reassemble, reverse the above order. In removing and replacing the idle tube, be careful not to damage the small fiber gasket. In replacing the butterfly on the AJ-18A, used on the 473, the four small holes must be on top and the split screw that holds it in place must be spread after installation.

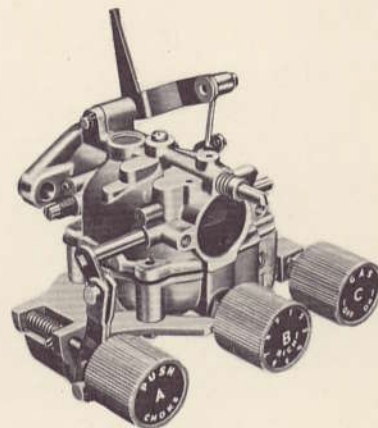
After the carburetor is completely disassembled, all the parts should be rinsed thoroughly in clean gasoline and blown out with the compressed air.



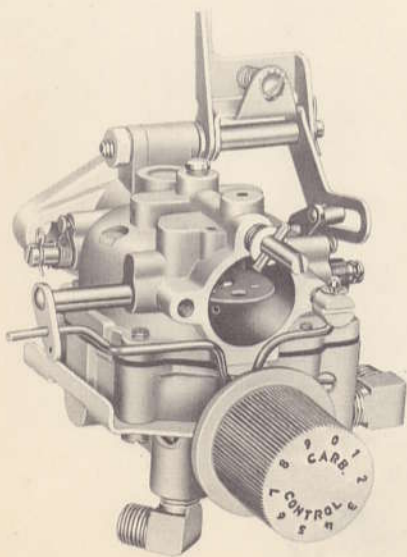
## MODELS WITH MD CARBURETORS

To disassemble, the following parts should be removed separately and in the order indicated:

1. Carburetor from motor after gas lines are disconnected.
2. Gas line connections and shutoff valve (carburetor drain valve on 497.)
3. Choke actuating assembly and carburetor main adjustment knob.
4. Complete main adjustment screw and gland assembly from the fuel bowl.
5. Body retaining screws and lockwashers to separate body and fuel bowl assemblies.
6. Float lever pinion pin and float from fuel bowl.



MD — Series Models 480-481-  
483-491-493-500



MD Series Single Knob

7. The inlet needle, seat and gasket assembly from fuel bowl.
8. Idle adjustment screw and spring, idle tube and gasket, main nozzle channel plug screw, from upper body.
9. Throttle shutter shaft and lever assembly.
10. Drain valve may be removed any time.

To reassemble, reverse the above instructions. When replacing the main adjustment screw and gland assembly be sure that the needle is not seated when tightening the gland and packing nut, as the added force may damage the orifice.

If trouble is experienced with Model 497 (stops or slows down, see "Gas Tank" under Skirts, Tank and Starter, Section C) it may be necessary to replace the inlet needle and seat in the carburetor with Part No. 483-613. This has a larger orifice than the inlet supplied with the first motors produced in the 5 HP model. The orifice should be the same size as a #48 drill.



## FLOAT SETTING - MD MODELS

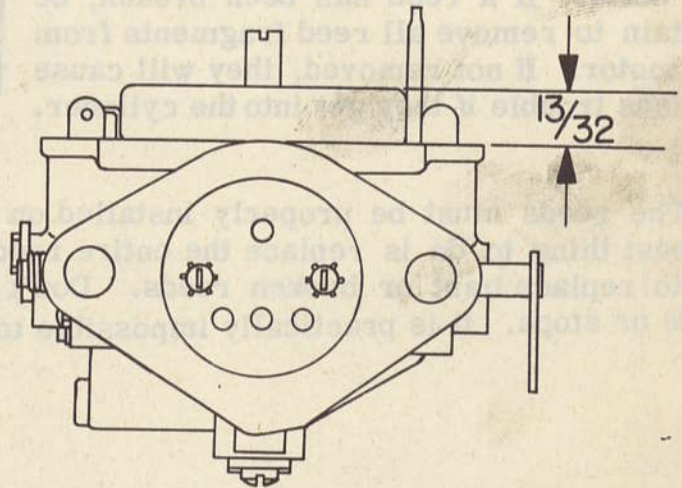
To check, separate fuel bowl assembly from upper body assembly and gasket. (See disassembly instructions 1 to 5.) Now with the fuel bowl held in an upside down position, the lowest point of float, at the free end, should project  $1/64''$  below the rim of the fuel bowl. If resetting is required, remove float and gently bend vertical float lever just enough to obtain proper measurement. When inspection indicates fuel level continues to rise beyond float setting point, remove inlet needle and seat, and clean their seating surfaces with a cloth, being careful not to leave lint on the surfaces. To reseal, place the inlet needle in its seat and tap very lightly several times while turning the inlet needle with thumb and forefinger. If, after installing, proper fuel level is not maintained, install a new inlet needle and seat assembly. Do not change float setting from  $1/64''$ , manufacturer's specifications.

## FLOAT SETTING - 30 & 33 HP

This carburetor is similar in design to the "MD" models. New features include: cork float, pressed in idle tube, and vertically operating inlet needle and seat. The idle adjustment screw regulates idle by control of fuel instead of air.

To check the float setting, separate the fuel bowl assembly from the upper body by removing the 4 body screws. With the upper body held in an upside down position, (see illustration) the distance from the body flange to the top of the float measures  $13/32''$ .

If adjustment is necessary, gently bend the float lever in desired direction.



*Float setting—30-33 HP*

## CLEANING

After the carburetor is completely disassembled, all the parts should be rinsed thoroughly and blown clean with compressed air. Gasoline may be used, but wood alcohol, laquer thinner or a form of "Gunk" possess much better varnish cutting facilities. Do not attempt to clean MD-series carburetors with compressed air before disassembly, because pressurizing the bowl will collapse the hollow float. Models prior to '53 and the 5 & 16 HP of '53 use a metal drain tube and compression nut fitting. All subsequent models use a neoprene tube and hose clamp.



## REED VALVES

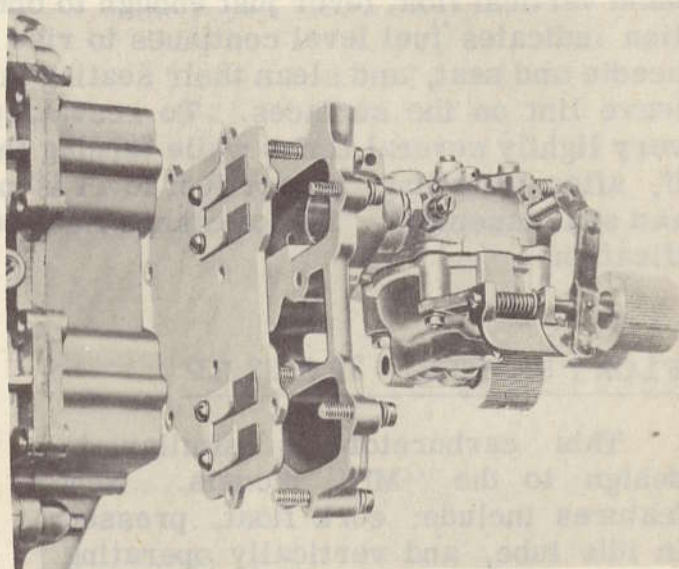
Reed valves and scientific intake manifolding make remarkably flexible performance possible - and with practically no service problems.

If you come across the condition where gasoline blows back out of the carburetor horn instead of being drawn into the crankcase, the reed valve assembly should be removed and checked for seating of reeds.

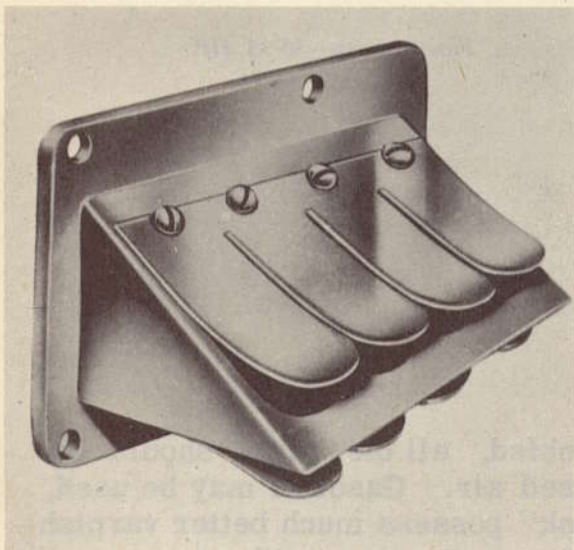
After the carburetor has been removed, the carburetor adaptor or intake manifold should be removed. This will release the reed valve plate assembly.

Check the reed valves to see that they lie flat on the plate and effectively cover the holes. If a reed has been broken, be certain to remove all reed fragments from the motor. If not removed, they will cause serious trouble if they get into the cylinder.

The reeds must be properly installed on the plate to assure a perfect seal and the best thing to do is replace the entire reed valve plate assembly instead of trying to replace bent or broken reeds. Don't attempt to straighten or re-bend bent reeds or stops. It is practically impossible to do satisfactorily.



*Reeds must lie flat on the plate and effectively cover the holes.*



*Free Flow V-Valve*

### REED VALVE - 30 & 33 HP

The new type reed valve assembly contains steel reeds. Remove the carburetor and intake manifold. When removing the manifold, there is one screw concealed within the throat of the intake and eight around the outer flange. Either of the two reed assemblies can be removed separately by removing the four flange screws holding the plate assembly to the manifold. Always replace bent or broken reeds. The reed valve plate gasket and intake manifold gasket are identical.



Care should be taken in replacing the intake manifold to see that there are no loose metal chips or dirt in the intake manifold, on the reed valve plate, or in the carburetor throat. Foreign material lodged under the reeds can cause eventual fracture and failure of the reed.

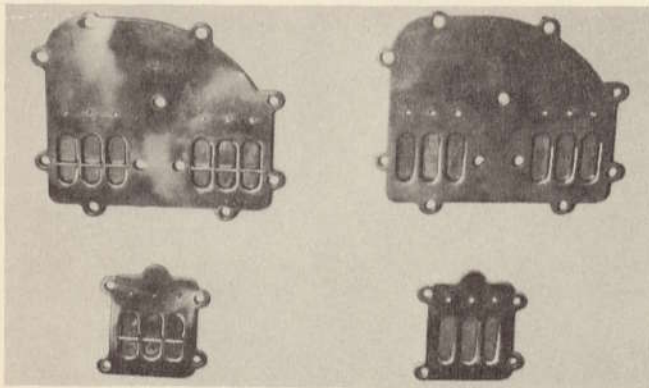
In reassembly, use new gaskets and be careful to use the proper length screws for the various positions.

For parts catalog, consult Section F - Powerhead.

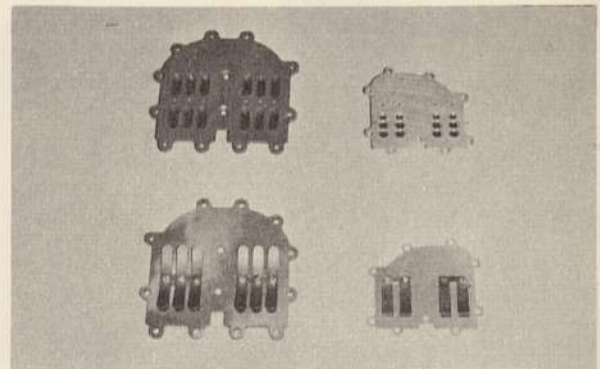
### REED VALVES AND REED VALVE PLATES

The reed valves and the reed valve plates for the 10 HP and single cylinder models have been improved for 1951 production. These plates, which can be identified by the bridge across the slots, are interchangeable with plates for previous models. If you find that reeds are fraying or cracking, replace the reed valve plate assembly with the newer type.

The reed valves and reed valve plates for the 16 HP and 5 HP models are also shown. The 7 1/2 HP models use a same type assembly as the 5 HP.



*The new and old reed valve plates - 1951*



*16 H. P.*

*5 H. P.*

### CARBURETOR CONVERSION WHEN INSTALLING FUEL PUMPS

Whenever a fuel pump for the Stowaway tank is installed on a 5, 7 1/2, or 10 HP Motor, it is necessary to replace the inlet needle and seat with one having a smaller orifice. Otherwise, the float will not shut off the inlet completely and the pump will force too much gas into the carburetor. The original inlet is a 483-613 inlet needle and seat which should be replaced with a 480-613 inlet. The 483-613 has an orifice the same size as a #41 drill, while the 480-613 is the same as a #52 drill.



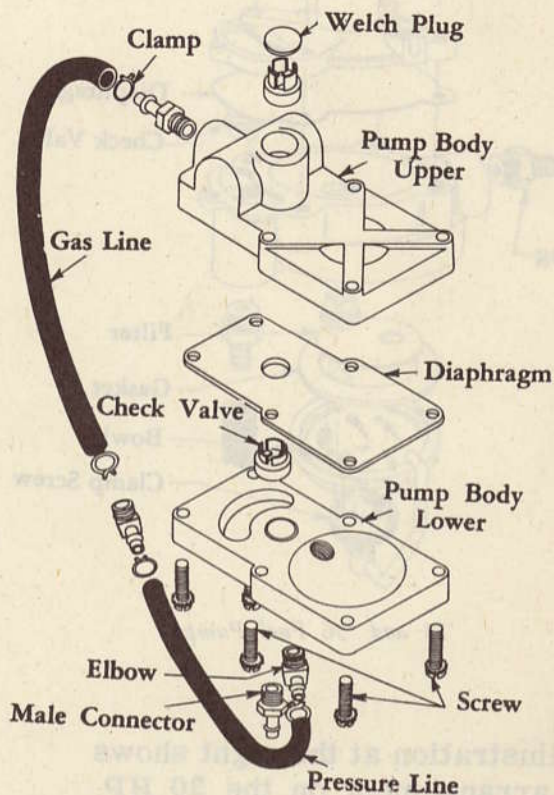
## FUEL PUMP - Thru '54

The fuel Pump is diaphragm operated from crankcase pressure and rarely requires any maintenance.

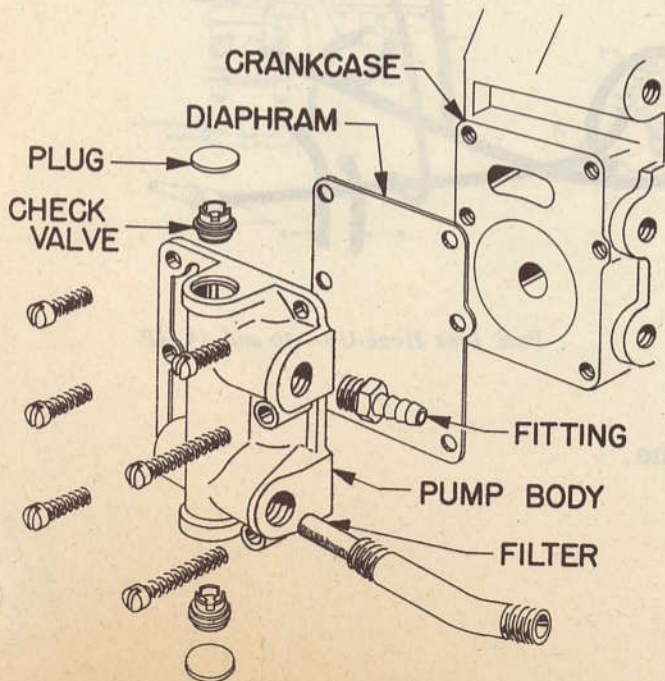
### DISASSEMBLE:

1. Remove the gas lines.
2. Remove fuel pump from mounting bracket.
3. Loosen body screws, separating upper and lower body and diaphragm.\*
4. Clean the check valves - one in lower body and one in under welch plug, top body.

\*A slight stretching of the diaphragm is normal and will not affect the operation of the pump. Unless excessive stretching has taken place the diaphragm need be replaced only if cracked or a hole appears.



Type 508—Used on 5, 7 $\frac{1}{2}$ , 10 H. P.  
Models with Stowaway Tanks



Type 509—Used on 16 H. P. Models  
with Stowaway Tank

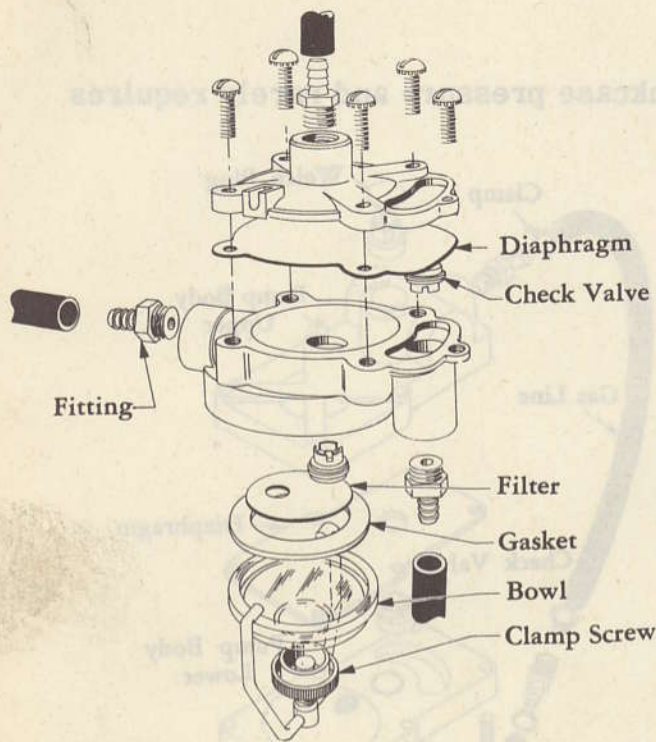
### DISASSEMBLE

1. Remove Gas lines.
2. Loosen screws - removing pump from crankcase and diaphragm.
3. Clean check valves - located under welch plugs, top and bottom.

(Type 509 parts are shown in Sect. F.)

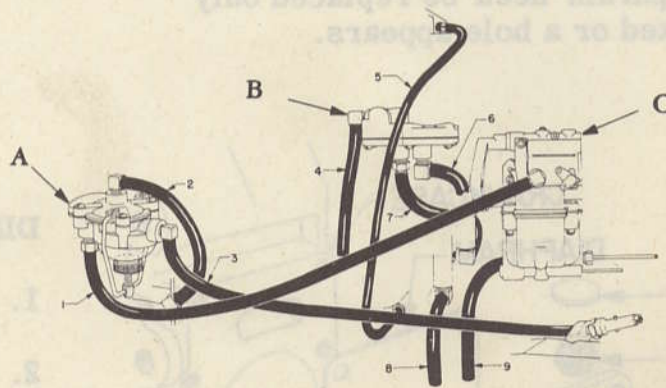


## FUEL PUMP - 5, 7-1/2, 10, 16, 30 and 33 HP - '55 & -56



'55 and '56 Fuel Pumps

The illustration at the right shows fuel line arrangement on the 30 HP model. The fuel lines are of the same diameter, except for the crankcase pressure lines which are heavier.



Fuel Line Hook-Up—30 and 33 HP

All '55 & '56 Bail-a-matic models use the same type fuel pump assembly. Diaphragm operated from crankcase pressure, it rarely requires any maintenance, yet is simple to disassemble.

1. Loosen the clamp screw and remove sediment bowl and clamp spring assembly.

2. Remove the five upper body screws. This will separate the upper and lower halves from the diaphragm.

If diaphragm appears excessively stretched replace when re-assembling.

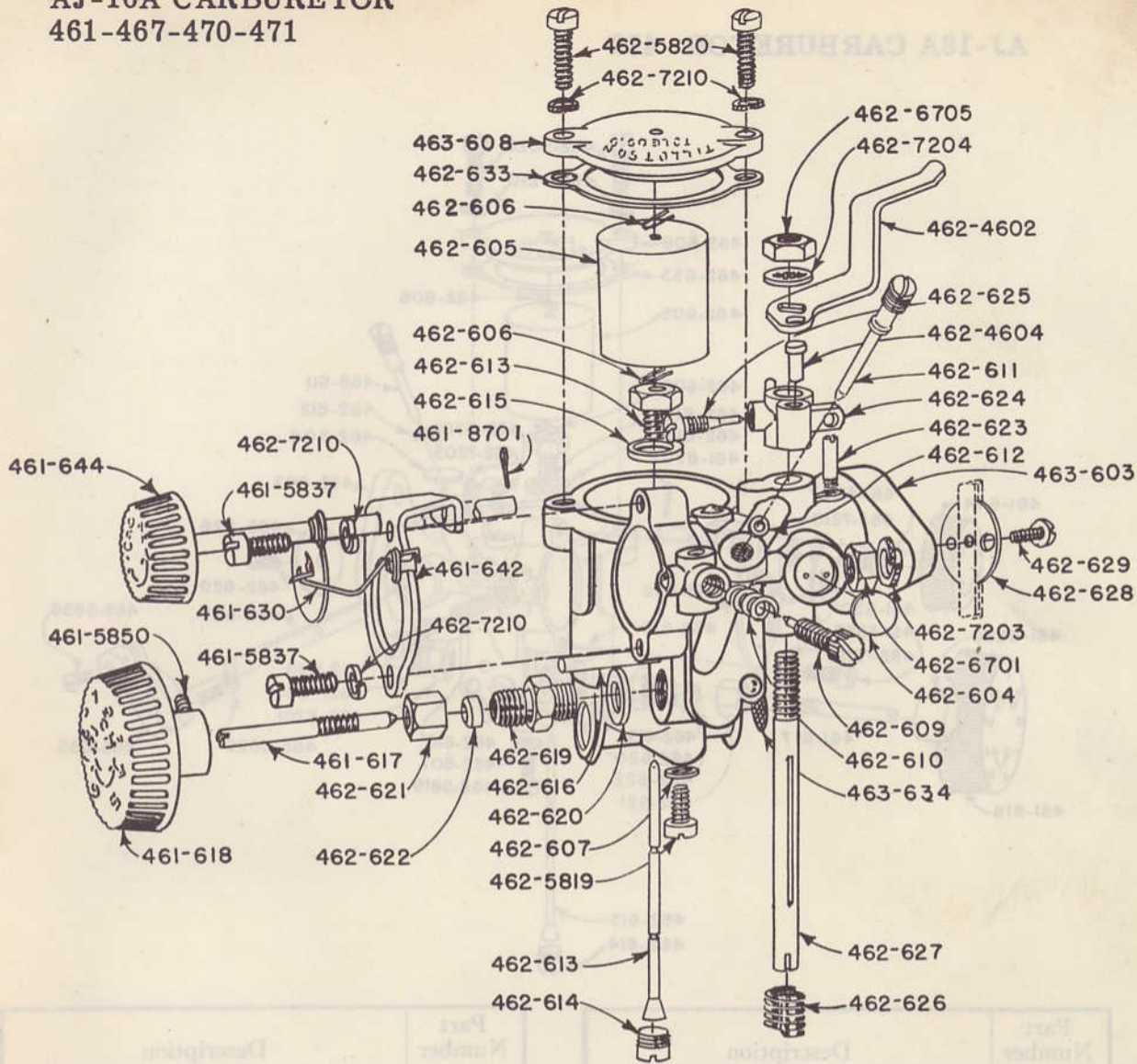
The sediment bowl may be removed at any time, should accumulation appear in the bottom of the bowl.

- A. Fuel Pump
- B. Scavenger Pump
- C. Carburetor

1. Fuel pump to carburetor inlet.
2. Fuel pump to crankcase - Pressure Line.
3. Inlet coupling to fuel pump.
4. Scavenger pump drain line.
5. Upper and lower main bearing lube line.
6. Scavenger pump to crankcase - Pressure Line.
7. Intake to Scavenger Pump - Scavenger Line.
8. Crankcase drain line.
9. Carburetor drain line.



**AJ-16A CARBURETOR**  
**461-467-470-471**



Part Number	Description
461-601	Carburetor Complete.....
463-603	Carburetor Body.....
462-604	Carburetor Body Welch Plug.....
462-605	Float.....
462-606	Float Spring Cotter.....
462-607	Float Bowl Drain Plug Gasket.....
463-608	Float Cover.....
462-609	Idle Adjustment Screw.....
462-610	Idle Adjustment Screw Spring.....
462-611	Idle Tube.....
462-612	Idle Tube Gasket.....
462-613	Inlet Valve and Seat.....
462-614	Inlet Valve Plug Screw.....
462-615	Inlet Seat Gasket.....
462-616	Main Adjustment Stop Pin.....
461-617	Main Adjustment Screw.....
461-618	Carburetor Main Adjustment Knob (Incl. Insert).....
462-619	Main Adjustment Gland.....
462-620	Main Adjustment Gasket.....
462-621	Main Adjustment Packing Nut.....
462-622	Main Adjustment Packing.....
462-623	Throttle Stop Pin.....
462-624	Throttle Stop Lever.....

Part Number	Description
462-625	Throttle Stop Lever Retaining Screw.....
462-626	Throttle Return Spring.....
462-627	Throttle Shaft.....
462-628	Throttle Shutter.....
462-629	Throttle Shutter Retaining Screw.....
461-630	Choke Spring.....
462-633	Float Cover Gasket.....
463-634	Carburetor Screen.....
461-642	Choke Bracket.....
461-644	Choke Shutter & Knob.....
462-4602	Synchronous Control Lever.....
462-4604	Synchronous Control Pin.....
462-5819	Float Bowl Drain Plug.....
462-5820	Float Cover Screw.....
461-5837	Carburetor Choke Bracket Screw.....
461-5850	Carburetor Main Adj. Set Screw.....
462-6701	Carburetor Flange Stud Nut.....
462-6705	Synchronous Control Lever Nut.....
462-7203	L.W.—Carburetor Flange Stud Nut.....
462-7204	L.W.—Synchronous Cont. Lever Nut.....
462-7210	L.W.—Float Cover Screw.....
462-7210	L.W.—Choke Bracket Screw.....
461-8701	Choke Insert Cotter Pin.....

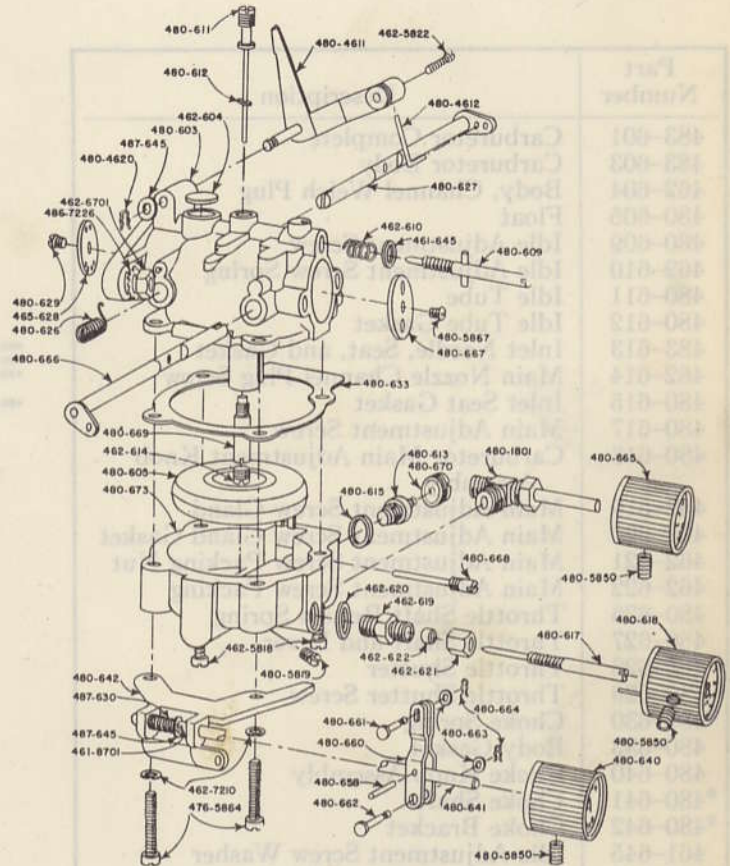






## MD - 12A CARBURETOR 480 - 481 - GM

Part Number	Description
480-601	Carburetor Complete
480-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
480-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
480-611	Idle Tube
480-612	Idle Tube Gasket
480-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
480-617	Main Adjustment Screw
480-618	Carburetor Main Adjustment Knob Assembly
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
462-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
480-627	Throttle Shaft and Lever
465-628	Throttle Shutter
480-629	Throttle Shutter Screw
*487-630	Choke Spring
480-633	Body Gasket
480-640	Choke Knob Assembly
*480-641	Choke Shaft
*480-642	Choke Bracket
461-645	Idle Adjustment Screw Washer
*487-645	Choke Shaft Spring Washer
487-645	Washer-Synchronous Control Lever Shaft
480-653	Choke Assembly
*480-658	Choke Shaft Pin
*480-660	Choke Lever Assembly
*480-661	Choke Lever Pivot Pin-Upper
*480-662	Choke Lever Pivot Pin-Lower
*480-663	Washer-Choke Lever Pivot Pin
*480-664	Lock-Choke Lever Pivot Pin
480-665	Shutoff Knob Assembly
480-666	Choke Shaft and Lever
480-667	Choke Shutter
480-668	Float Pinion Screw
480-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
480-672	Repair Parts Kit
480-673	Fuel Bowl
480-1801	Shutoff
480-4611	Synchronous Control Lever Assembly
480-4612	Link-Synchronous Control Shaft



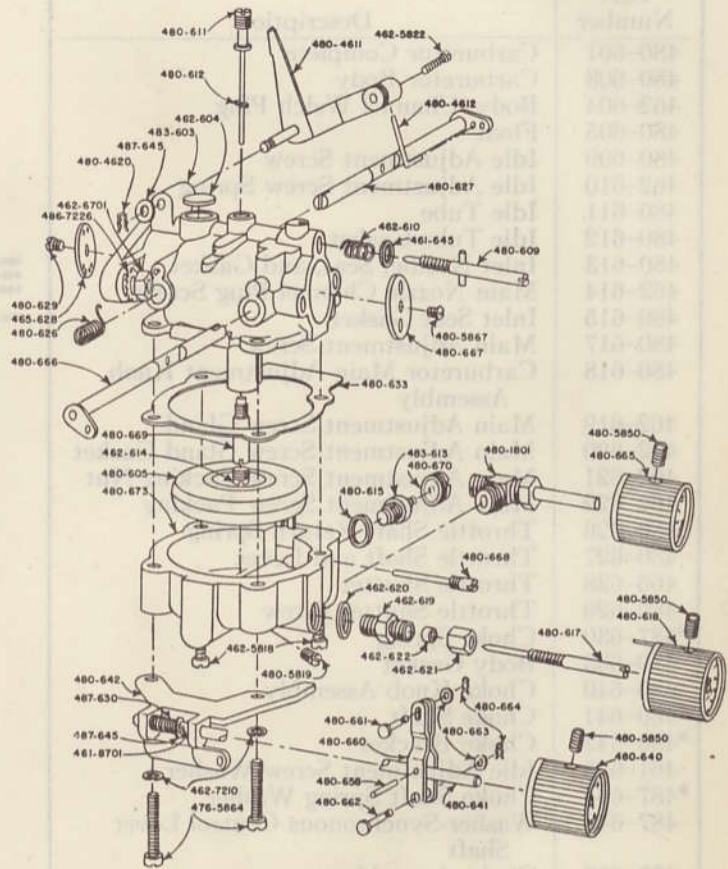
Part Number	Description
480-4620	Lock-Synchronous Control Shaft
462-5818	Body Retaining Screw
480-5819	Fuel Bowl Drain Plug
462-5822	Synchronous Control Lever Screw
480-5850	Carburetor Knob Set Screw
476-5864	Choke Bracket Screw
480-5867	Choke Shutter Screw
462-6701	Carburetor Flange Stud Nut
462-7210	Lockwasher-Body Retaining Screw
486-7226	Lockwasher-Carburetor Flange Stud Nut
*461-8701	Choke Shaft Spring Cotter Pin

\* Included in Choke Assembly 480-653



## MD - 13A CARBURETOR 483

Part Number	Description
483-601	Carburetor Complete
483-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
480-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
480-611	Idle Tube
480-612	Idle Tube Gasket
483-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
480-617	Main Adjustment Screw
480-618	Carburetor Main Adjustment Knob Assembly
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
462-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
480-627	Throttle Shaft and Lever
465-628	Throttle Shutter
480-629	Throttle Shutter Screw
*487-630	Choke Spring
480-633	Body Gasket
480-640	Choke Knob Assembly
*480-641	Choke Shaft
*480-642	Choke Bracket
461-645	Idle Adjustment Screw Washer
*487-645	Choke Shaft Spring Washer
487-645	Washer-Synchronous Control Lever Shaft
480-653	Choke Assembly
*480-658	Choke Shaft Pin
*480-660	Choke Lever Assembly
*480-661	Choke Lever Pivot Pin-Upper
*480-662	Choke Lever Pivot Pin-Lower
*480-663	Washer-Choke Lever Pivot Pin
*480-664	Lock-Choke Lever Pivot Pin
480-665	Shutoff Knob Assembly
480-666	Choke Shaft and Lever
480-667	Choke Shutter
480-668	Float Pinion Screw
480-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
483-672	Repair Parts Kit
480-673	Fuel Bowl
480-1801	Shutoff
480-4611	Synchronous Control Lever Assembly
480-4612	Link-Synchronous Control Shaft



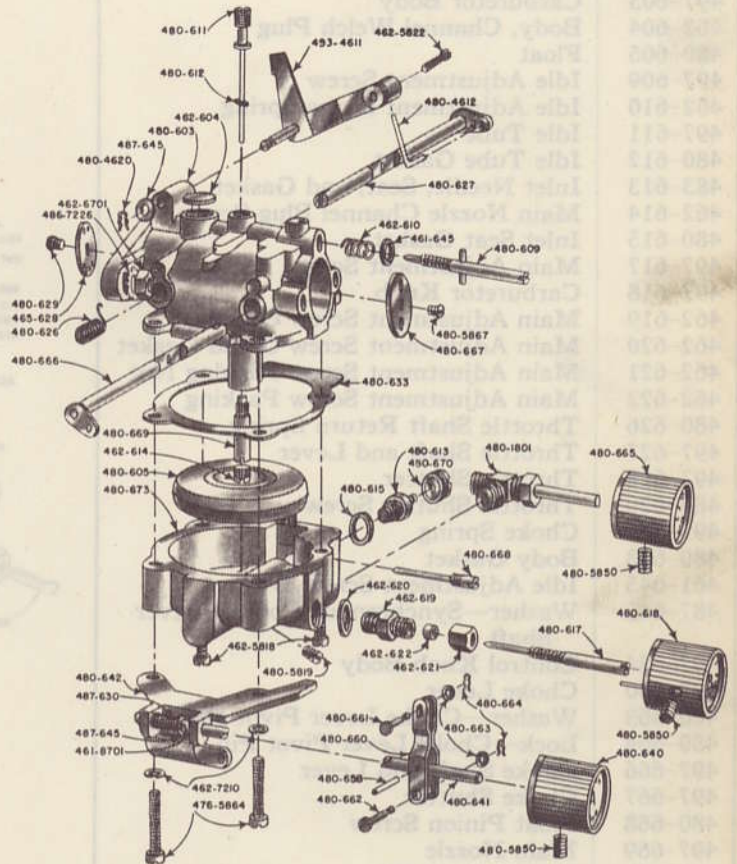
Part Number	Description
480-4620	Lock-Synchronous Control Shaft
462-5818	Body Retaining Screw
480-5819	Fuel Bowl Drain Plug
462-5822	Synchronous Control Lever Screw
480-5850	Carburetor Knob Set Screw
476-5864	Choke Bracket Screw
480-5867	Choke Shutter Screw
462-6701	Carburetor Flange Stud Nut
462-7210	Lockwasher-Body Retaining Screw
486-7226	Lockwasher-Carburetor Flange Stud Nut
*461-8701	Choke Shaft Spring Cotter Pin

\* Included in Choke Assembly 480-653



## MD - 12A CARBURETOR - 491

Part Number	Description
480-601	Carburetor Complete
480-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
480-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
480-611	Idle Tube
480-612	Idle Tube Gasket
480-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
480-617	Main Adjustment Screw
480-618	Carburetor Main Adjustment Knob Assembly
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
462-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
480-627	Throttle Shaft and Lever
465-628	Throttle Shutter
480-629	Throttle Shutter Screw
*487-630	Choke Spring
480-633	Body Gasket
480-640	Choke Knob Assembly
*480-641	Choke Shaft
*480-642	Choke Bracket
461-645	Idle Adjustment Screw Washer
*487-645	Choke Shaft Spring Washer
487-645	Washer-Synchronous Control Lever Shaft
480-653	Choke Assembly
*480-658	Choke Shaft Pin
*480-660	Choke Lever Assembly
*480-661	Choke Lever Pivot Pin-Upper
*480-662	Choke Lever Pivot Pin-Lower
*480-663	Washer-Choke Lever Pivot Pin
*480-664	Lock-Choke Lever Pivot Pin
480-665	Shutoff Knob Assembly
480-666	Choke Shaft and Lever
480-667	Choke Shutter
480-668	Float Pinion Screw
480-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
480-672	Repair Parts Kit
480-673	Fuel Bowl
480-1801	Shutoff
493-4611	Synchronous Control Lever Assembly
480-4612	Link-Synchronous Control Shaft



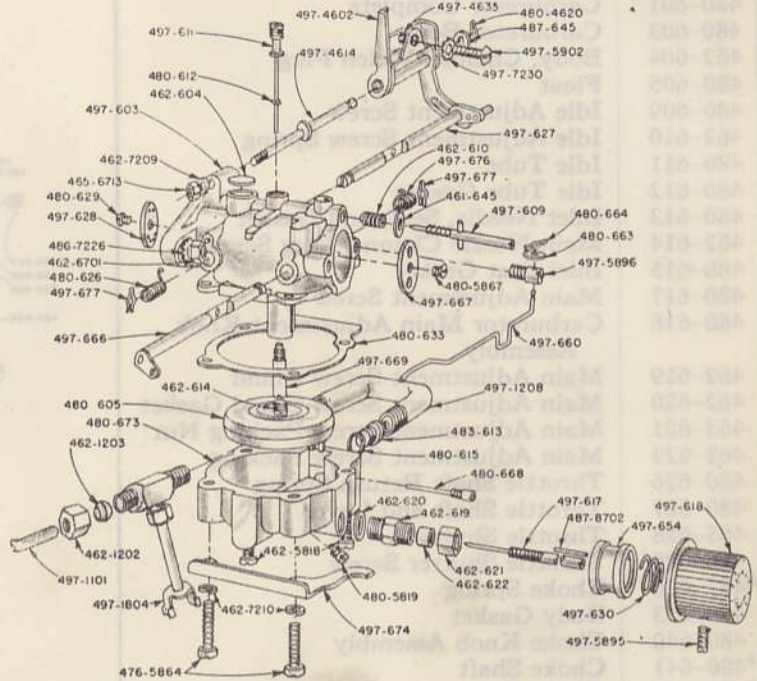
Part Number	Description
480-4620	Lock-Synchronous Control Shaft
462-5818	Body Retaining Screw
480-5819	Fuel Bowl Drain Plug
462-5822	Synchronous Control Lever Screw
480-5850	Carburetor Knob Set Screw
476-5864	Choke Bracket Screw
480-5867	Choke Shutter Screw
462-6701	Carburetor Flange Stud Nut
462-7210	Lockwasher-Body Retaining Screw
486-7226	Lockwasher-Carburetor Flange Stud Nut
*461-8701	Choke Shaft Spring Cotter Pin

\*Included in Choke Assembly 480-653



## MD - 24A CARBURETOR - 497

Part Number	Description
497-601	Carburetor Complete
497-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
497-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
497-611	Idle Tube
480-612	Idle Tube Gasket
483-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
497-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
462-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
497-627	Throttle Shaft and Lever
497-628	Throttle Shutter
480-629	Throttle Shutter Screw
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
487-645	Washer—Synchronous Control Lever Shaft
497-654	Control Knob Body
497-660	Choke Lever
480-663	Washer—Choke Lever Pivot Pin
480-664	Lock—Choke Lever Pivot Pin
497-666	Choke Shaft and Lever
497-667	Choke Shutter
480-668	Float Pinion Screw
497-669	Main Nozzle
497-672	Repair Parts Kit
480-673	Fuel Bowl
497-674	Carburetor Knob Stop
497-676	Choke Return Spring
497-677	Spring Cotter
497-1101	Tube Bowl Drain
497-1202	Compression Nut
462-1203	Compression Sleeve
468-1204	Gas Line Street Elbow
497-1208	Elbow Bowl Drain
497-1803	Gas Line Adaptor
497-1804	Valve-bowl Drain
497-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
462-5818	Body Retaining Screw
480-5819	Fuel Bowl Drain Plug
497-4635	Spring—Synchronous Control
476-5864	Stop Bracket Screw
480-5867	Choke Shutter Screw

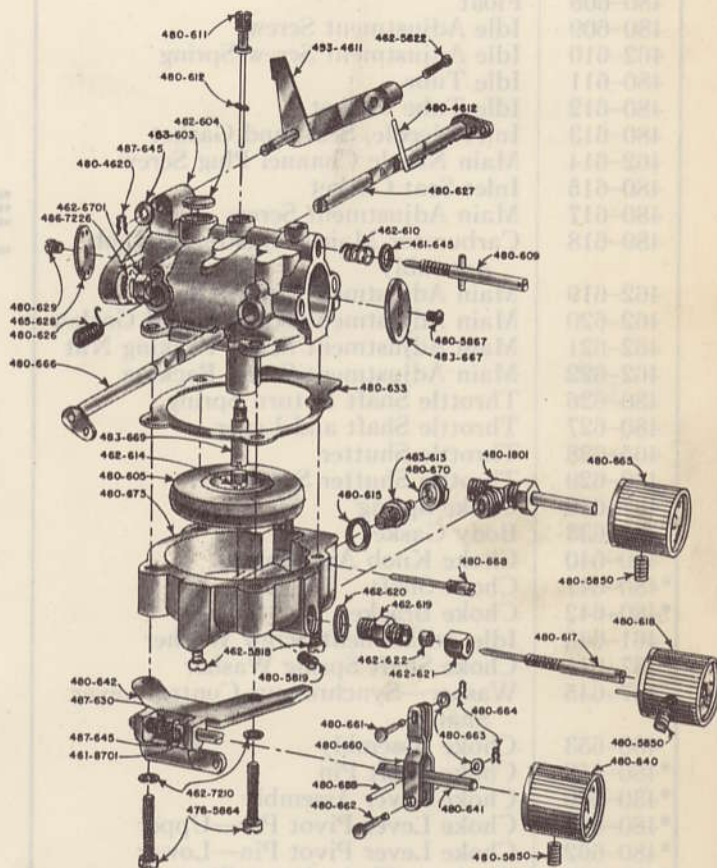


Part Number	Description
497-5895	Set Screw—Control Knob
497-5896	Choke Pivot Screw
497-5902	Adjusting Screw—Synchronous Control Follower
462-6701	Carburetor Flange Stud Nut
465-6713	Nut—Synchronous Control Shaft
462-7209	L.W.—Synchronous Control Shaft
462-7210	Lockwasher—Body Retaining Screw
486-7226	Lockwasher—Carburetor Flange Stud Nut
497-7230	L.W.—Synchronous Control Follower
487-8702	Pin—Carburetor Main Adjustment Stop



## MD - 13A CARBURETOR 493

Part Number	Description
483-601	Carburetor Complete
483-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
480-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
480-611	Idle Tube
480-612	Idle Tube Gasket
483-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
480-617	Main Adjustment Screw
480-618	Carburetor Main Adjustment Knob Assembly
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
462-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
480-627	Throttle Shaft and Lever
465-628	Throttle Shutter
480-629	Throttle Shutter Screw
*487-630	Choke Spring
480-633	Body Gasket
480-640	Choke Knob Assembly
*480-641	Choke Shaft
*480-642	Choke Bracket
461-645	Idle Adjustment Screw Washer
*487-645	Choke Shaft Spring Washer
487-645	Washer-Synchronous Control Lever Shaft
480-653	Choke Assembly
*480-658	Choke Shaft Pin
*480-660	Choke Lever Assembly
*480-661	Choke Lever Pivot Pin-Upper
*480-662	Choke Lever Pivot Pin-Lower
*480-663	Washer-Choke Lever Pivot Pin
*480-664	Lock-Choke Lever Pivot Pin
480-665	Shutoff Knob Assembly
480-666	Choke Shaft and Lever
483-667	Choke Shutter
480-668	Float Pinion Screw
483-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
480-672	Repair Parts Kit
480-673	Fuel Bowl
480-1801	Shutoff
493-4611	Synchronous Control Lever Assembly
480-4612	Link-Synchronous Control Shaft



Part Number	Description
480-4620	Lock-Synchronous Control Shaft
462-5818	Body Retaining Screw
480-5819	Fuel Bowl Drain Plug
462-5822	Synchronous Control Lever Screw
480-5850	Carburetor Knob Set Screw
476-5864	Choke Bracket Screw
480-5867	Choke Shutter Screw
462-6701	Carburetor Flange Stud Nut
462-7210	Lockwasher-Body Retaining Screw
486-7226	Lockwasher-Carburetor Flange Stud Nut
*461-8701	Choke Shaft Spring Cotter Pin

\*Included in Choke Assembly 480-653

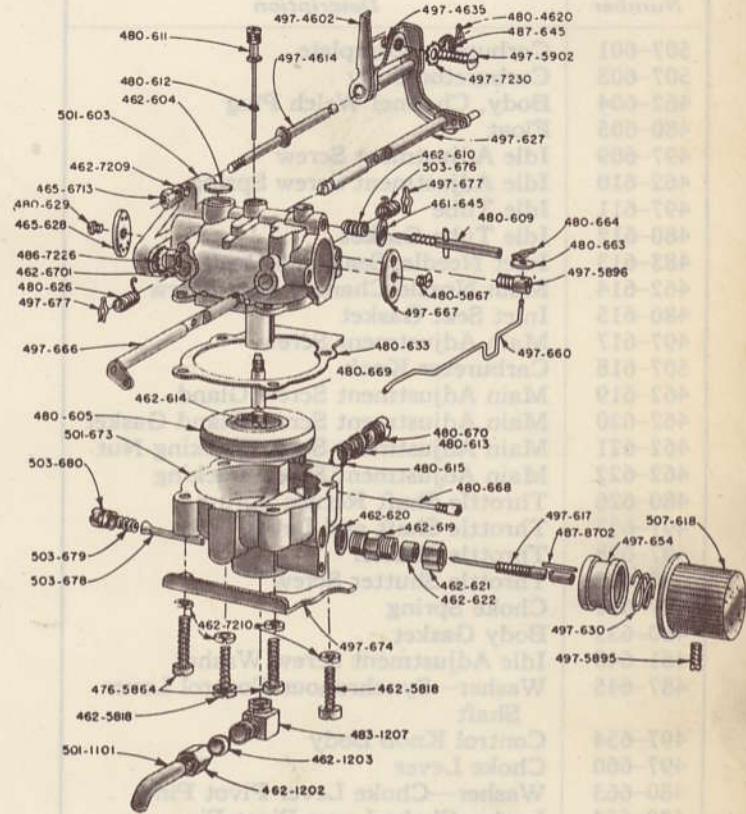






## MD - 35A CARBURETOR 501

Part Number	Description
501-601	Carburetor Complete
501-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
480-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
480-611	Idle Tube
480-612	Idle Tube Gasket
480-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
507-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
462-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
497-627	Throttle Shaft and Lever
465-628	Throttle Shutter
480-629	Throttle Shutter Screw
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
487-645	Washer—Synchronous Control Lever Shaft
497-654	Control Knob Body
497-660	Choke Lever
480-663	Washer—Choke Lever Pivot Pin
480-664	Lock—Choke Lever Pivot Pin
497-666	Choke Shaft and Lever
497-667	Choke Shutter
480-668	Float Pinion Screw
480-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
501-672	Repair Parts Kit
501-673	Fuel Bowl
497-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
501-1101	Tube—Bowl Drain
462-1202	Compression Nut
462-1203	Compression Sleeve
497-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
462-5818	Body Retaining Screw
497-4635	Spring—Synchronous Control
476-5864	Stop Bracket Screw
480-5867	Choke Shutter Screw

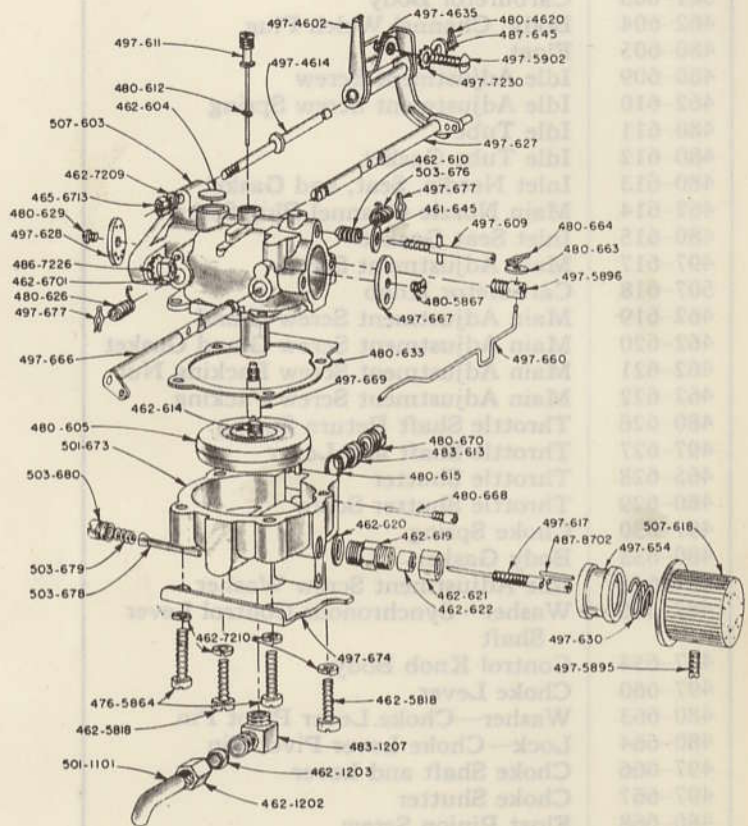


Part Number	Description
497-5895	Set Screw—Control Knob
497-5896	Choke Pivot Screw
497-5902	Adjusting Screw—Synchronous Control Follower
462-6701	Carburetor Flange Stud Nut
465-6713	Nut—Synchronous Control Shaft
462-7209	L.W.—Synchronous Control Shaft
462-7210	Lockwasher—Body Retaining Screw
486-7226	Lockwasher—Carburetor Flange Stud Nut
497-7230	L.W.—Synchronous Control Follower
487-8702	Pin—Carburetor Main Adjustment Stop



## MD - 37A CARBURETOR 507

Part Number	Description
507-601	Carburetor Complete
507-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
497-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
497-611	Idle Tube
480-612	Idle Tube Gasket
483-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
507-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
462-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
497-627	Throttle Shaft and Lever
497-628	Throttle Shutter
480-629	Throttle Shutter Screw
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
487-645	Washer—Synchronous Control Lever Shaft
497-654	Control Knob Body
497-660	Choke Lever
480-663	Washer—Choke Lever Pivot Pin
480-664	Lock—Choke Lever Pivot Pin
497-666	Choke Shaft and Lever
497-667	Choke Shutter
480-668	Float Pinion Screw
497-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
507-672	Repair Parts Kit
501-673	Fuel Bowl
497-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
501-1101	Tube—Bowl Drain
462-1202	Compression Nut
462-1203	Compression Sleeve
497-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
462-5818	Body Retaining Screw
497-4635	Spring—Synchronous Control
476-5864	Stop Bracket Screw
480-5867	Choke Shutter Screw

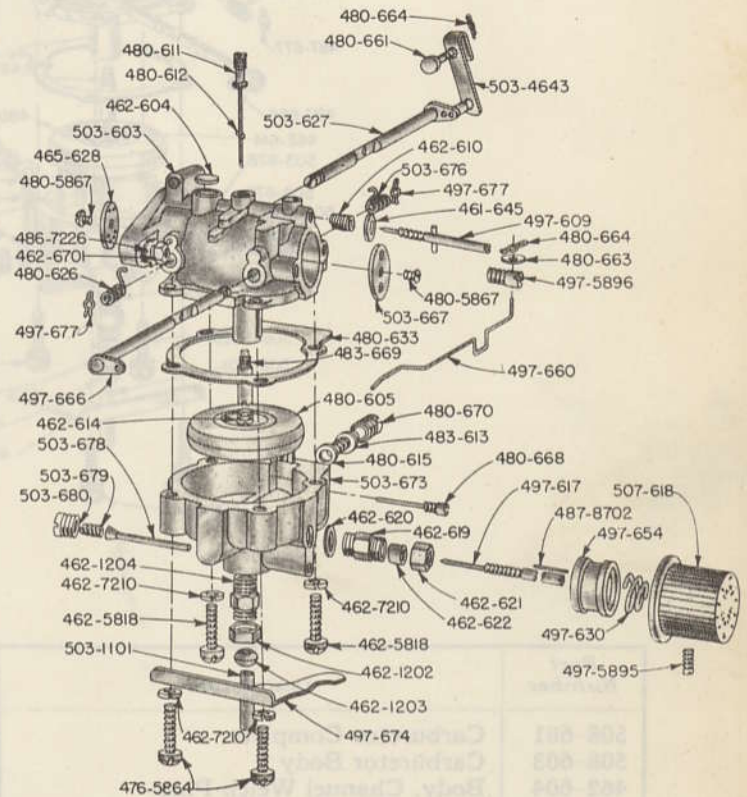


Part Number	Description
497-5895	Set Screw—Control Knob
497-5896	Choke Pivot Screw
497-5902	Adjusting Screw—Synchronous Control Follower
462-6701	Carburetor Flange Stud Nut
465-6713	Nut—Synchronous Control Shaft
462-7209	L.W.—Synchronous Control Shaft
462-7210	Lockwasher—Body Retaining Screw
486-7226	Lockwasher—Carburetor Flange Stud Nut
497-7230	L.W.—Synchronous Control Follower
487-8702	Pin—Carburetor Main Adjustment Stop



## MD - 36A CARBURETOR 503

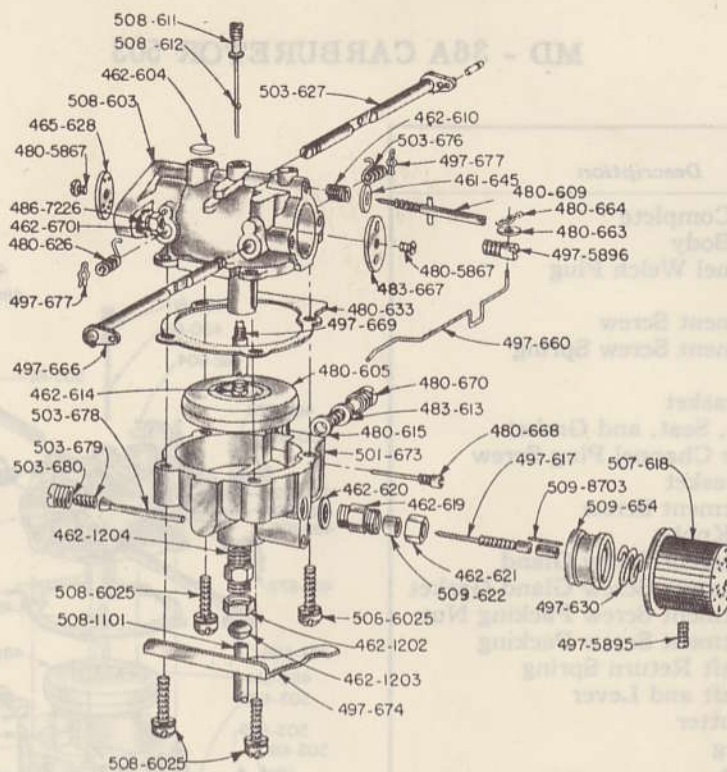
Part Number	Description
503-601	Carburetor Complete
503-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
497-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
480-611	Idle Tube
480-612	Idle Tube Gasket
483-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
507-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
462-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
503-627	Throttle Shaft and Lever
465-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
487-645	Washer—Synchronous Control Lever Shaft
497-654	Control Knob Body
497-660	Choke Lever
480-661	Choke Lever Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hair Pin Cotter
497-666	Choke Shaft and Lever
503-667	Choke Shutter
480-668	Float Pinion Screw
483-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
497-672	Repair Parts Kit
503-673	Fuel Bowl
497-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
503-1101	Tube Bowl Drain
462-1202	Compression Nut
462-1203	Compression Sleeve
462-1204	Drain Tube Connector
4917-1803	Gas Line Adaptor
462-5818	Body Retaining Screw
503-4643	Link—Throttle Actuator
476-5864	Stop Bracket Screw
480-5867	Choke & Throttle Shutter Screw



Part Number	Description
497-5895	Set Screw—Control Knob
497-5896	Choke Pivot Screw
462-6701	Carburetor Flange Stud Nut
462-7210	Lockwasher—Body Retaining Screw
486-7226	Lockwasher—Carburetor Flange Stud Nut
487-8702	Pin—Carburetor Main Adjustment Stop



## MD-48A CARBURETOR 518

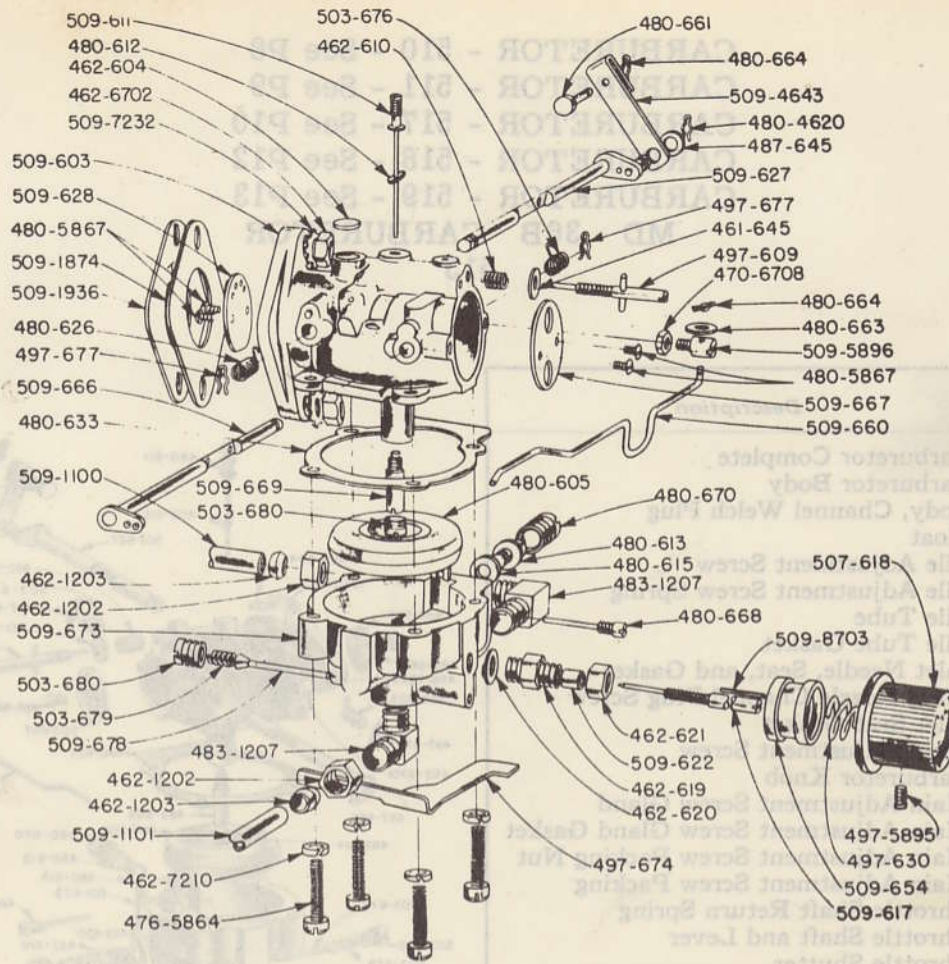


Part Number	Description
508-601	Carburetor Complete
508-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
480-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
508-611	Idle Tube
508-612	Idle Tube Gasket
483-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
507-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
509-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
503-627	Throttle Shaft and Lever
465-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
509-654	Control Knob Body
497-660	Choke Lever
480-663	Washer—Choke Lever Pivot Pin

Part Number	Description
480-664	Hair Pin Cotter
497-666	Choke Shaft and Lever
483-667	Choke Shutter
480-668	Float Pinion Screw
497-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
508-672	Repair Parts Kit
501-673	Fuel Bowl
497-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
508-1101	Tube Bowl Drain
462-1202	Compression Nut
462-1203	Compression Sleeve
462-1204	Drain Tube Connector
480-5867	Choke & Throttle Shutter Screw
497-5895	Set Screw—Control Knob
497-5896	Choke Pivot Screw
508-6025	Body Retaining Screw
462-6701	Carburetor Flange Stud Nut
486-7226	Lockwasher—Carburetor Flange Stud Nut
509-8703	Pin—Carburetor Main Adjustment Stop



# MD-43A CARBURETOR 509



Part Number	Description
509-601	Carburetor Complete
509-603	Carburetor Body
462-604	Welch Plug—Body Channel
480-605	Float
497-609	Idle Adjustment Screw Assembly
462-610	Idle Adjustment Screw Spring
509-611	Idle Tube
480-612	Gasket—Idle Tube
480-613	Inlet Needle, Seat and Gasket
480-615	Inlet Seat Gasket
509-617	Main Adjustment Screw
507-618	Carburetor Main Adjustment Knob
462-619	Main Adjustment Gland
462-620	Gasket—Main Adjustment Screw Gland
462-621	Main Adjustment Packing Nut
509-622	Main Adjustment Nut Packing
480-626	Throttle Shutter Return Spring
509-627	Throttle Shaft and Lever Assembly
509-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Washer—Idle Adjustment Screw Spring
487-645	Washer Throttle Lever Pin
509-654	Control Knob Body
509-660	Choke Lever
480-661	Throttle Link Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hairpin Cotter
509-666	Choke Shaft & Lever
509-667	Choke Shutter

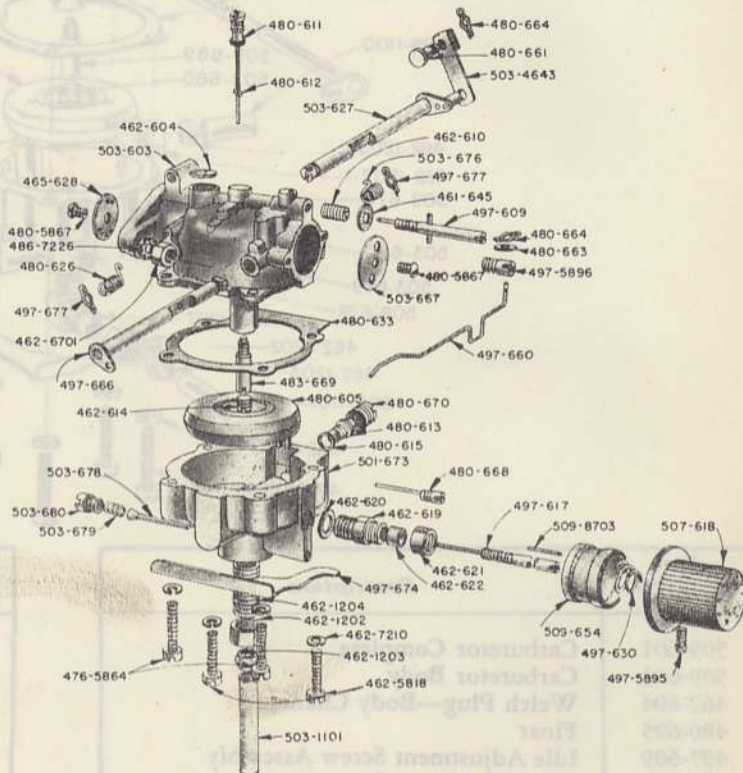
Part Number	Description
480-668	Float Pinion Screw
509-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
509-673	Fuel Bowl
497-674	Main Adjustment Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
509-678	Drain Valve
503-679	Drain Valve Spring
503-680	Channel Plug Screw
509-1100	Gas Line
509-1101	Tube—Bowl Drain
462-1202	Compression Nut
462-1203	Compression Sleeve
483-1207	Gas Line Compression Elbow
509-1874	Carburetor Flange Gasket
509-1936	Carburetor Spacer
480-4620	Hair Pin—Throttle Lever Pin
509-4643	Link—Throttle Actuator
476-5864	Body Retaining Screw
480-5867	Choke Guide Throttle Shutter Screw
497-5895	Set Screw—Control Knob
509-5896	Choke Pivot Screw
462-6702	Nut—Carburetor Flange Stud
470-6708	Nut—Choke Pivot Screw
462-7210	Lockwasher—Body Retaining Screw
509-7232	Lockwasher—Carb. Flange Stud Nut
509-8703	Pin—Carburetor Main Adjustment Stop



CARBURETOR - 510 - See P8  
 CARBURETOR - 511 - See P9  
 CARBURETOR - 517 - See P10  
 CARBURETOR - 518 - See P12  
 CARBURETOR - 519 - See P13

MD - 36B CARBURETOR  
 513

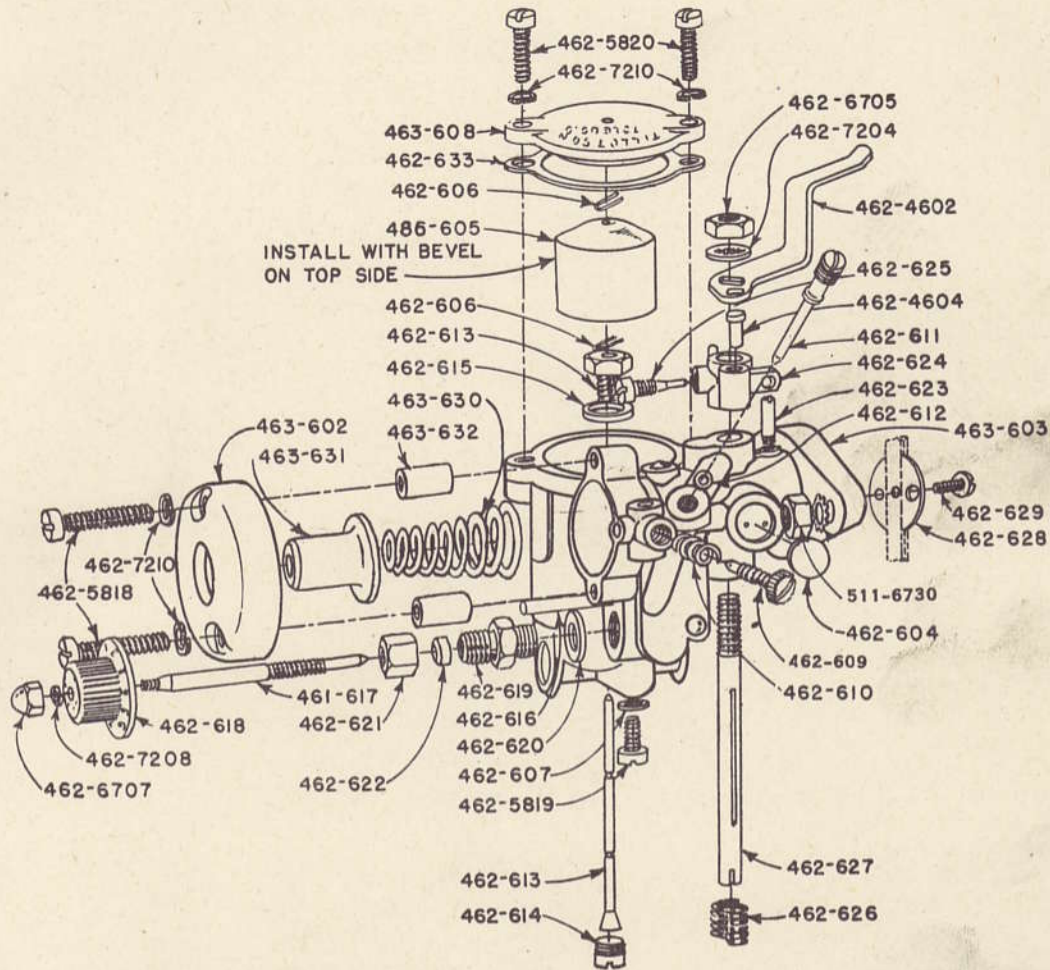
Part Number	Description
513-601	Carburetor Complete
503-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
497-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
480-611	Idle Tube
480-612	Idle Tube Gasket
480-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
507-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
462-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
503-627	Throttle Shaft and Lever
465-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
509-654	Control Knob Body
497-660	Choke Lever
480-661	Choke Lever Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hair Pin Cotter
497-666	Choke Shaft and Lever
503-667	Choke Shutter
480-668	Float Pinion Screw
483-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
513-672	Repair Parts Kit
501-673	Fuel Bowl
497-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
503-1101	Tube Bowl Drain
462-1202	Compression Nut
462-1203	Compression Sleeve
462-1204	Drain Tube Connector
503-4643	Link—Throttle Actuator
462-5818	Body Retaining Screw
476-5864	Stop Bracket Screw
480-5867	Choke & Throttle Shutter Screw



Part Number	Description
497-5895	Set Screw—Control Knob
497-5896	Choke Pivot Screw
462-6701	Carburetor Flange Stud Nut
462-7210	Lockwasher—Body Retaining Screw
486-7226	Lockwasher—Carburetor Flange Stud Nut
509-8703	Pin—Carburetor Main Adjustment Stop



# CARBURETOR 3025



Part Number	Description
463-601	Carburetor Complete
463-602	Air Deflector
463-603	Carburetor Body
462-604	Carburetor Body Welch Plug
486-605	Float
462-606	Float Spring Cotter
462-607	Float Bowl Drain Plug Gasket
463-608	Float Cover
462-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
462-611	Idle Tube
462-612	Idle Tube Gasket
462-613	Inlet Valve and Seat
462-614	Inlet Valve Plug Screw
462-615	Inlet Seat Gasket
462-616	Main Adjustment Stop Pin
462-617	Main Adjustment Screw
462-618	Main Adjustment Knob
462-619	Main Adjustment Gland
462-620	Main Adjustment Gasket
462-621	Main Adjustment Packing Nut
462-622	Main Adjusting Packing
462-623	Throttle Stop Pin
462-624	Throttle Stop Lever

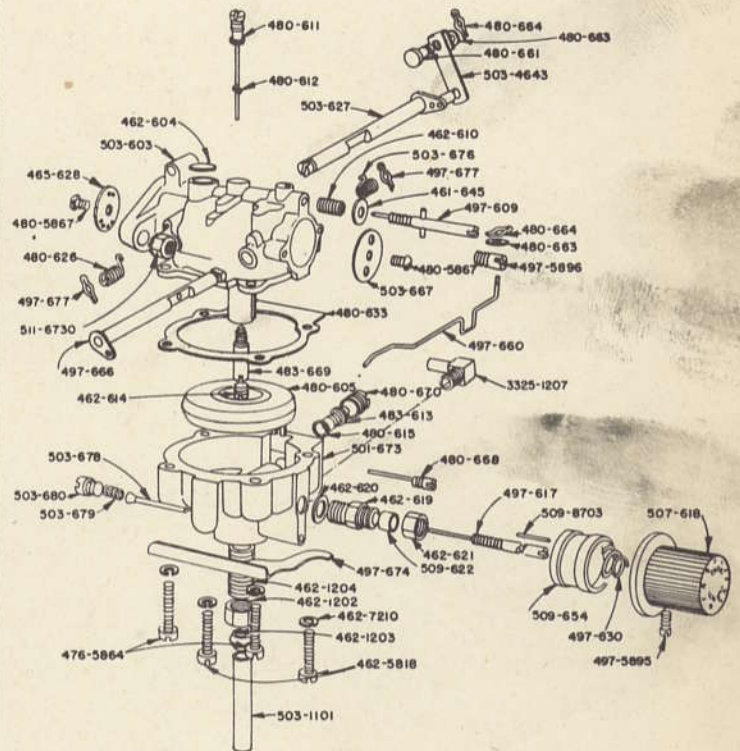
Part Number	Description
462-625	Throttle Stop Lever Retaining Screw
462-626	Throttle Return Spring
462-627	Throttle Shaft
462-628	Throttle Shutter
462-629	Throttle Shutter Retaining Screw
463-630	Choke Spring
463-631	Choke Button
463-632	Air Deflector Spacer
462-633	Float Cover Gasket
462-4602	Synchronous Control Lever
462-4604	Synchronous Control Pin
462-5818	Air Deflector Screw
462-5819	Float Bowl Drain Plug
462-5820	Float Cover Screw
462-6705	Synchronous Control Lever Nut
462-6707	Main Adjustment Acorn Nut
511-6730	Nut—Carburetor Flange Stud
462-7204	Synchronous Control Lever Nut Lock Washer
462-7208	Main Adjustment Nut Lock Washer
462-7210	Air Deflector Screw Lock Washer
462-7210	Float Cover Screw Lock Washer



CARBURETOR 3725 - same as Page P10  
except 3325 - 1207 used as below.

### CARBURETOR 3325

Part Number	Description
503-601	Carburetor Complete
503-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
497-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
480-611	Idle Tube
480-612	Idle Tube Gasket
483-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
507-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
509-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
503-627	Throttle Shaft and Lever
465-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
509-654	Control Knob Body
497-660	Choke Lever
480-661	Throttle Actuator Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hair Pin Cotter
497-666	Choke Shaft and Lever
503-667	Choke Shutter
480-668	Float Pinion Screw
483-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
503-672	Repair Parts Kit
501-673	Fuel Bowl
497-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
503-1101	Tube Bowl Drain
462-1202	Compression Nut
462-1203	Compression Sleeve
462-1204	Drain Tube Connector
3325-1207	Gas Line Elbow
503-4643	Link—Throttle Actuator
462-5818	Body Retaining Screw
476-5864	Stop Bracket Screw
480-5867	Choke & Throttle Shutter Screw
497-5895	Set Screw—Control Knob

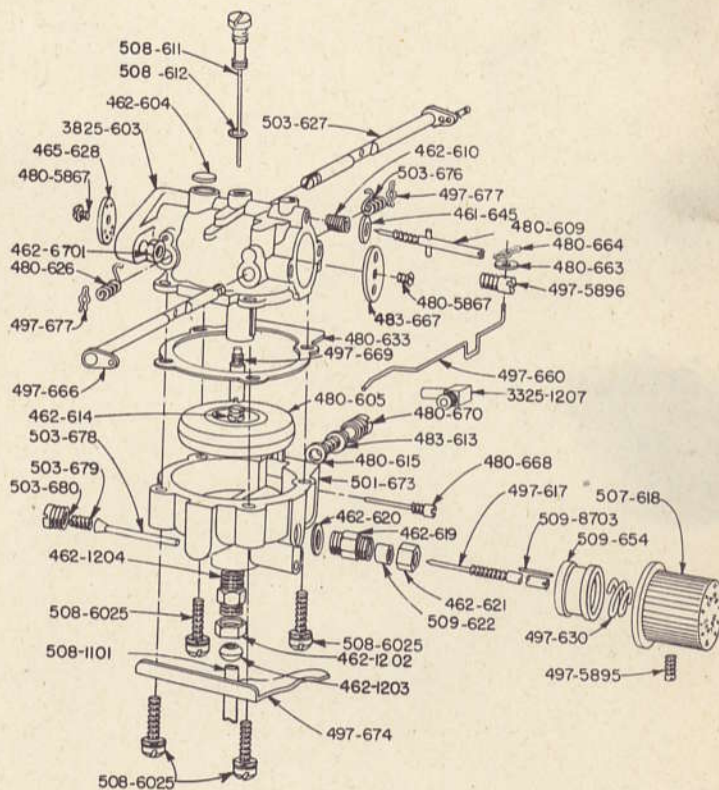


Part Number	Description
497-5896	Choke Pivot Screw
511-6730	Carburetor Flange Stud Nut
462-7210	Lockwasher—Body Retaining Screw
509-8703	Pin—Carburetor Main Adjustment Stop



# CARBURETOR 3825

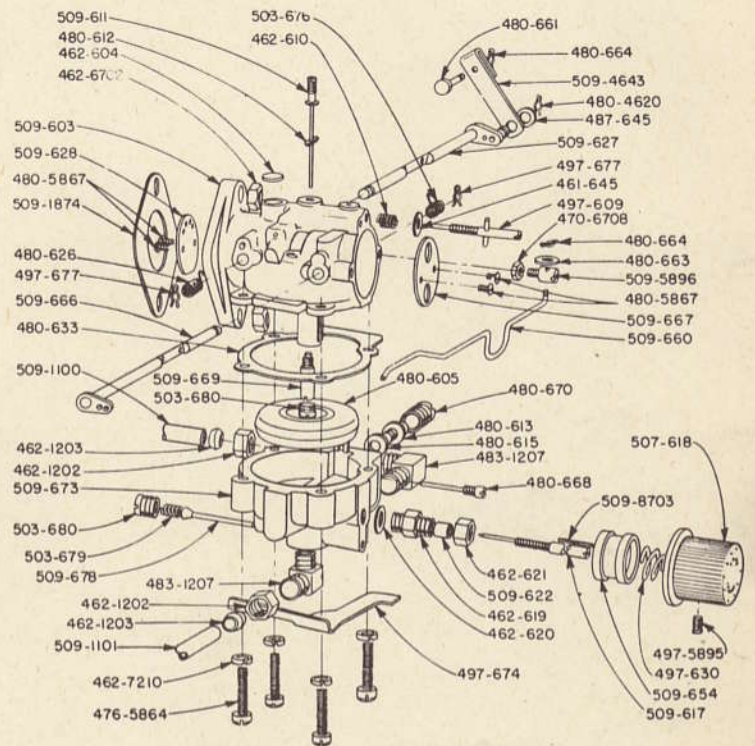
Part Number	Description
3825-601	Carburetor Complete
3825-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
480-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
508-611	Idle Tube
508-612	Idle Tube Gasket
483-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
507-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
509-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
503-627	Throttle Shaft and Lever
465-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
509-654	Control Knob Body
497-660	Choke Lever
480-663	Washer—Choke Lever Pivot Pin
480-664	Hair Pin Cotter
497-666	Choke Shaft and Lever
483-667	Choke Shutter
480-668	Float Pinion Screw
497-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
3825-672	Repair Parts Kit
501-673	Fuel Bowl
497-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
508-1101	Tube Bowl Drain
462-1202	Compression Nut
462-1203	Compression Sleeve
462-1204	Drain Tube Connector
3325-1207	Gas Line Elbow
480-5867	Choke and Throttle Shutter Screw
497-5895	Set Screw—Control Knob
497-5896	Choke Pivot Screw
508-6025	Body Retaining Screw
462-6701	Carburetor Flange Stud Nut
509-8703	Pin—Carburetor Main Adjustment Stop





# CARBURETOR 3925

Part Number	Description
509-601	Carburetor Complete
509-603	Carburetor Body
462-604	Welch Plug—Body Channel
480-605	Float
497-609	Idle Adjustment Screw Assembly
462-610	Idle Adjustment Screw Spring
509-611	Idle Tube
480-612	Gasket—Idle Tube
480-613	Inlet Needle, Seat and Gasket
480-615	Inlet Seat Gasket
509-617	Main Adjustment Screw
507-618	Carburetor Main Adjustment Knob
462-619	Main Adjustment Gland
462-620	Gasket—Main Adjustment Screw Gland
462-621	Main Adjustment Packing Nut
509-622	Main Adjustment Nut Packing
480-626	Throttle Shutter Return Spring
509-627	Throttle Shaft and Lever Assembly
509-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Washer—Idle Adjustment Screw Spring
487-645	Washer Throttle Lever Pin
509-654	Control Knob Body
509-660	Choke Lever
480-661	Throttle Link Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hairpin Cotter
509-666	Choke Shaft and Lever
509-667	Choke Shutter
480-668	Float Pinion Screw
509-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
509-673	Fuel Bowl
497-674	Main Adjustment Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
509-678	Drain Valve
503-679	Drain Valve Spring
503-680	Channel Plug Screw
509-1100	Gas Line
509-1101	Tube—Bowl Drain
462-1202	Compression Nut
462-1203	Compression Sleeve
483-1207	Gas Line Compression Elbow
509-1874	Carburetor Flange Gasket

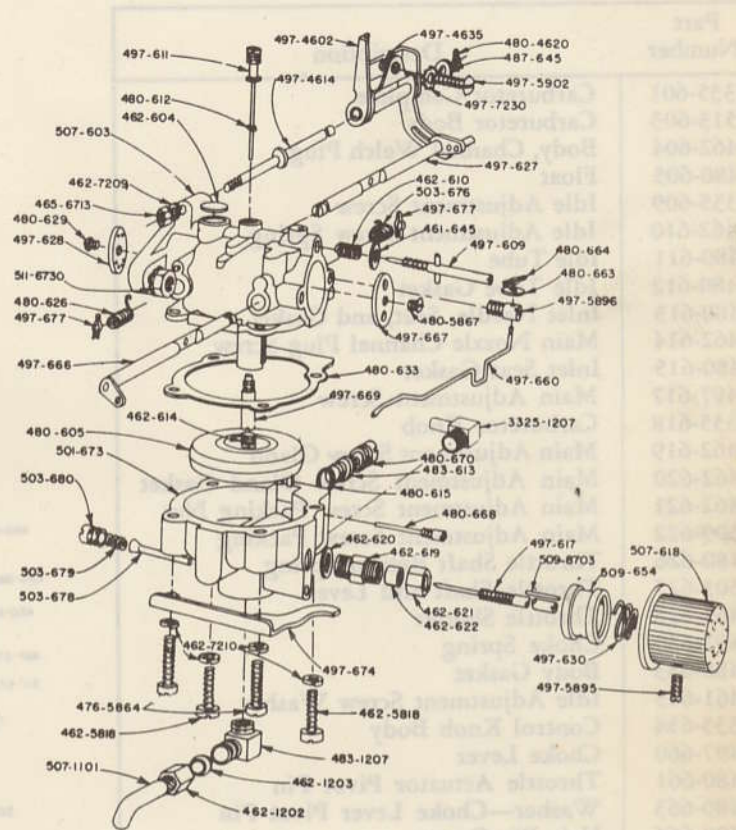


Part Number	Description
480-4620	Hair Pin—Throttle Lever Pin
509-4643	Link—Throttle Actuator
476-5864	Body Retaining Screw
480-5867	Choke Guide Throttle Shutter Screw
497-5895	Set Screw—Control Knob
509-5896	Choke Pivot Screw
462-6702	Nut—Carburetor Flange Stud
470-6708	Nut—Choke Pivot Screw
462-7210	Lockwasher—Body Retaining Screw
509-8703	Pin—Carburetor Main Adjustment Stop



CARBURETOR 3735

Part Number	Description
507-601	Carburetor Complete
507-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
497-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
497-611	Idle Tube
480-612	Idle Tube Gasket
483-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
507-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
462-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
497-627	Throttle Shaft and Lever
497-628	Throttle Shutter
480-629	Throttle Shutter Screw
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
487-645	Washer—Synchronous Control Lever Shaft
509-654	Control Knob Body
497-660	Choke Lever
480-663	Washer—Choke Lever Pivot Pin
480-664	Lock—Choke Lever Pivot Pin
497-666	Choke Shaft and Lever
497-667	Choke Shutter
480-668	Float Pinion Screw
497-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
507-672	Repair Parts Kit
501-673	Fuel Bowl
497-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
507-1101	Tube—Bowl Drain
462-1202	Compression Nut
462-1203	Compression Sleeve
483-1207	Gas Line Compression Elbow
3325-1207	Gas Line Elbow
497-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
462-5818	Body Retaining Screw
497-4635	Spring—Synchronous Control
476-5864	Stop Bracket Screw
480-5867	Choke Shutter Screw

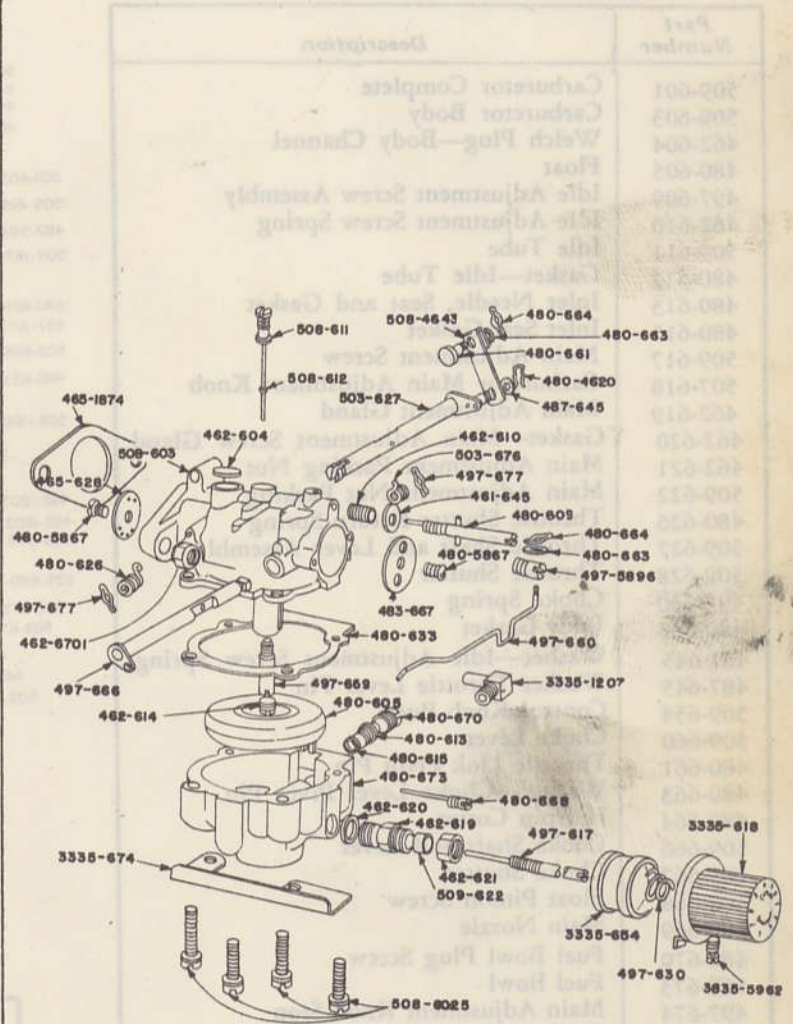


Part Number	Description
497-5895	Set Screw—Control Knob
497-5896	Choke Pivot Screw
497-5902	Adjusting Screw—Synchronous Control Follower
465-6713	Nut—Synchronous Control Shaft
511-6730	Carburetor Flange Stud Nut
462-7210	Lockwasher—Body Retaining Screw
497-7230	L.W.—Synchronous Control Follower
509-8703	Pin—Carburetor Main Adjustment Stop



# CARBURETOR 3835

Part Number	Description
508-601	Carburetor Complete
508-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
480-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
508-611	Idle Tube
508-612	Idle Tube Gasket
480-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
3335-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
509-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
503-627	Throttle Shaft and Lever
465-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
3335-654	Control Knob Body
497-660	Choke Lever
480-661	Throttle Actuator Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hair Pin Cotter
497-666	Choke Shaft and Lever
483-667	Choke Shutter
480-668	Float Pinion Screw
497-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
508-672	Repair Parts Kit
501-673	Fuel Bowl
3335-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
3325-1102	Tube—Bowl Drain
3335-1207	Gas Line Elbow
3325-1217	Hose Clamp
465-1874	Gasket
503-4643	Link—Throttle Actuator
480-5867	Choke & Throttle Shutter Screw
497-5896	Choke Pivot Screw
3835-5962	Set Screw—Control Knob
508-6025	Body Retaining Screw
462-6701	Nut Carburetor Flange Stud

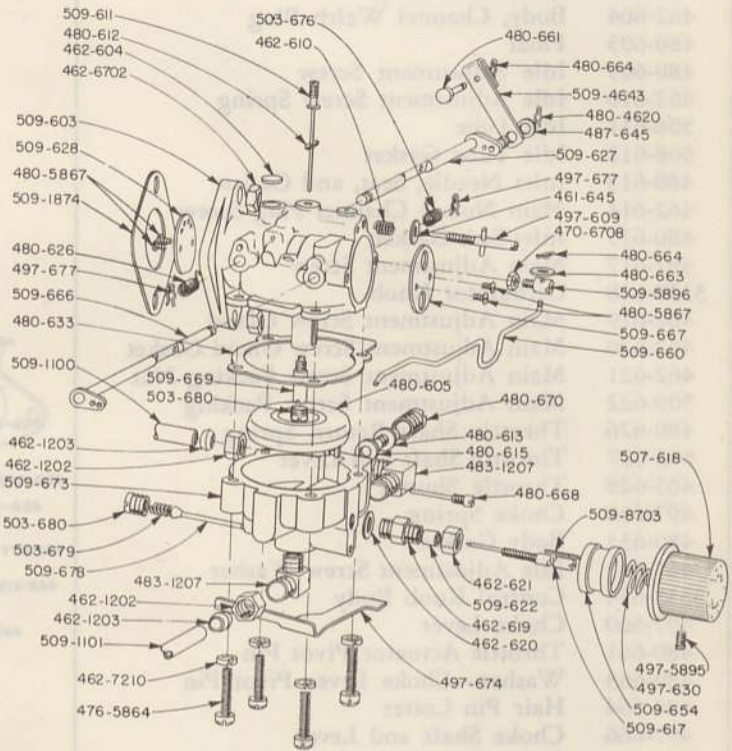




CARBURETOR 3935

CARBURETOR 3935

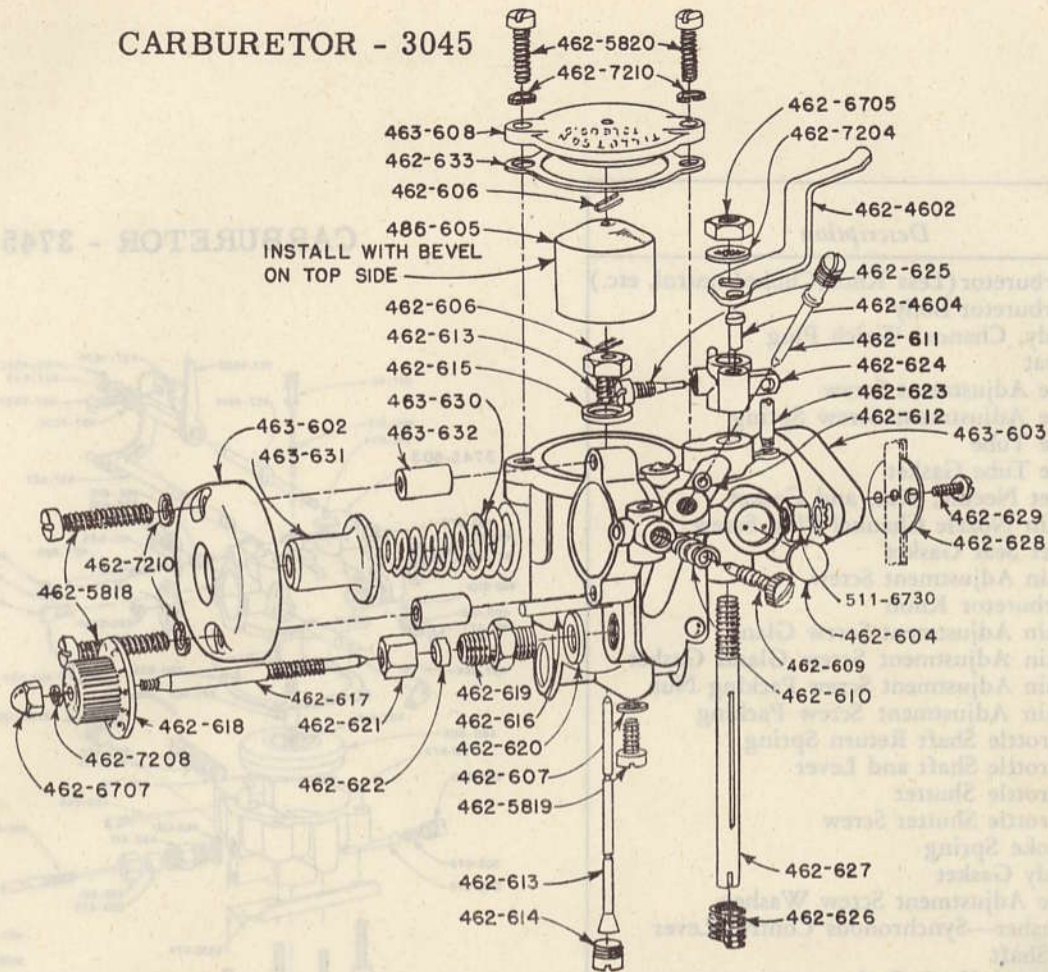
Part Number	Description
509-601	Carburetor Complete
509-603	Carburetor Body
462-604	Welch Plug—Body Channel
480-605	Float
497-609	Idle Adjustment Screw Assembly
462-610	Idle Adjustment Screw Spring
509-611	Idle Tube
480-612	Gasket—Idle Tube
480-613	Inlet Needle, Seat and Gasket
480-615	Inlet Seat Gasket
509-617	Main Adjustment Screw
507-618	Carburetor Main Adjustment Knob
462-619	Main Adjustment Gland
462-620	Gasket—Main Adjustment Screw Gland
462-621	Main Adjustment Packing Nut
509-622	Main Adjustment Nut Packing
480-626	Throttle Shutter Return Spring
509-627	Throttle Shaft and Lever Assembly
509-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Washer—Idle Adjustment Screw Spring
487-645	Washer Throttle Lever Pin
509-654	Control Knob Body
509-660	Choke Lever
480-661	Throttle Link Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hairpin Cotter
509-666	Choke Shaft and Lever
509-667	Choke Shutter
480-668	Float Pinion Screw
509-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
509-673	Fuel Bowl
497-674	Main Adjustment Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
509-678	Drain Valve
503-679	Drain Valve Spring
503-680	Channel Plug Screw
509-1100	Gas Line
509-1101	Tube—Bowl Drain
462-1202	Compression Nut
462-1203	Compression Sleeve
483-1207	Gas Line Compression Elbow
509-1874	Carburetor Flange Gasket



Part Number	Description
480-4620	Hair Pin—Throttle Lever Pin
509-4643	Link—Throttle Actuator
476-5864	Body Retaining Screw
480-5867	Choke and Throttle Shutter Screw
497-5895	Set Screw—Control Knob
509-5896	Choke Pivot Screw
462-6702	Nut—Carburetor Flange Stud
470-6708	Nut—Choke Pivot Screw
462-7210	Lockwasher—Body Retaining Screw
509-8703	Pin—Carburetor Main Adjustment Stop



# CARBURETOR - 3045

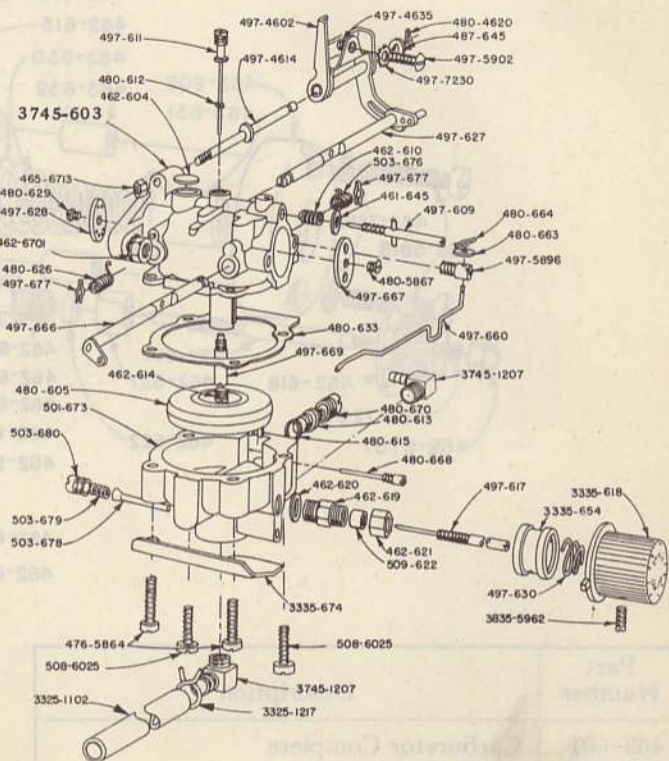


Part Number	Description
463-601	Carburetor Complete
463-602	Air Deflector
463-603	Carburetor Body
462-604	Carburetor Body Welch Plug
486-605	Float
462-606	Float Spring Cotter
462-607	Float Bowl Drain Plug Gasket
463-608	Float Cover
462-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
462-611	Idle Tube
462-612	Idle Tube Gasket
462-613	Inlet Valve and Seat
462-614	Inlet Valve Plug Screw
462-615	Inlet Seat Gasket
462-616	Main Adjustment Stop Pin
462-617	Main Adjustment Screw
462-618	Main Adjustment Knob
462-619	Main Adjustment Gland
462-620	Main Adjustment Gasket
462-621	Main Adjustment Packing Nut
462-622	Main Adjusting Packing
462-623	Throttle Stop Pin
462-624	Throttle Stop Lever

Part Number	Description
462-625	Throttle Stop Lever Retaining Screw
462-626	Throttle Return Spring
462-627	Throttle Shaft
462-628	Throttle Shutter
462-629	Throttle Shutter Retaining Screw
463-630	Choke Spring
463-631	Choke Button
463-632	Air Deflector Spacer
462-633	Float Cover Gasket
462-4602	Synchronous Control Lever
462-4604	Synchronous Control Pin
462-5818	Air Deflector Screw
462-5819	Float Bowl Drain Plug
462-5820	Float Cover Screw
462-6705	Synchronous Control Lever Nut
462-6707	Main Adjustment Acorn Nut
511-6730	Nut—Carburetor Flange Stud
462-7204	Synchronous Control Lever Nut Lock Washer
462-7208	Main Adjustment Nut Lock Washer
462-7210	Air Deflector Screw Lock Washer
462-7210	Float Cover Screw Lock Washer



## CARBURETOR - 3745



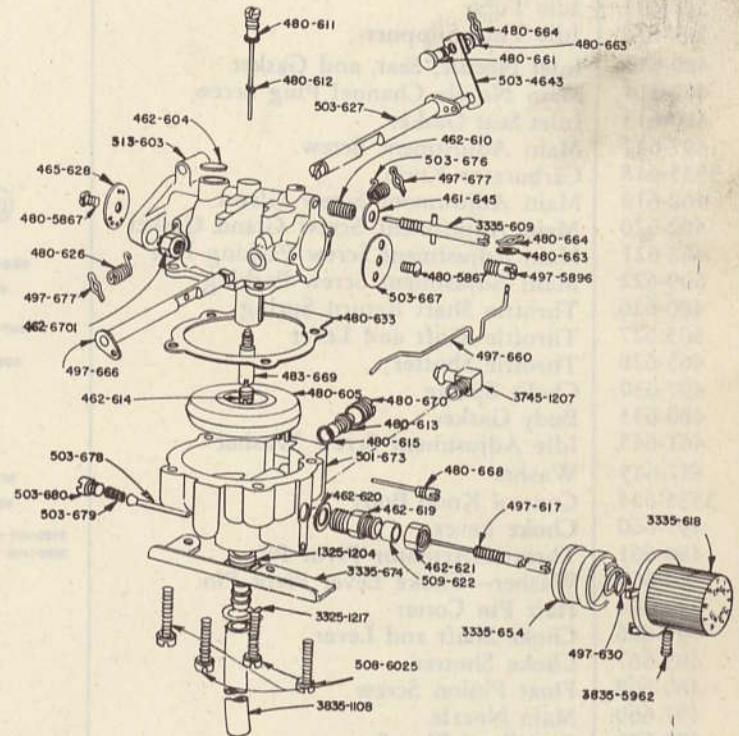
Part Number	Description
3745-601	Carburetor(Less Knob,Choke Control, etc.)
3745-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
497-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
497-611	Idle Tube
480-612	Idle Tube Gasket
480-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
3335-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
509-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
497-627	Throttle Shaft and Lever
497-628	Throttle Shutter
480-629	Throttle Shutter Screw
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
487-645	Washer—Synchronous Control Lever Shaft
3335-654	Control Knob Body
497-660	Choke Lever
480-663	Washer—Choke Lever Pivot Pin
480-664	Lock—Choke Lever Pivot Pin
497-666	Choke Shaft and Lever
497-667	Choke Shutter
480-668	Float Pinion Screw
497-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
3745-672	Repair Parts Kit
501-673	Fuel Bowl
3335-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
3325-1102	Tube—Bowl Drain
3745-1207	Gas Line Elbow
3325-1217	Hose Clamp
497-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
497-4635	Spring—Synchronous Control
480-5867	Choke Shutter Screw

Part Number	Description
497-5896	Choke Pivot Screw
497-5902	Adjusting Screw—Synchronous Control Follower
3835-5962	Set Screw
508-6025	Screw
462-6701	Nut
465-6713	Nut—Synchronous Control Shaft
497-7230	L.W.—Synchronous Control Follower



## CARBURETOR - 3345

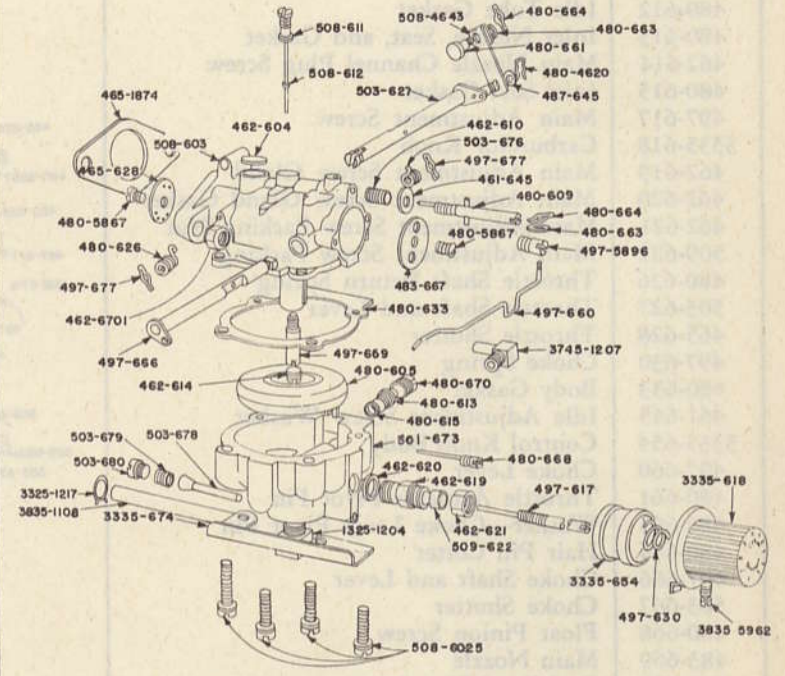
Part Number	Description
3335-601	Carburetor (Less Knob, Choke Control, etc.)
513-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
3335-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
480-611	Idle Tube
480-612	Idle Tube Gasket
480-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
3335-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
509-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
503-627	Throttle Shaft and Lever
465-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
3335-654	Control Knob Body
497-660	Choke Lever
480-661	Throttle Actuator Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hair Pin Cotter
497-666	Choke Shaft and Lever
503-667	Choke Shutter
480-668	Float Pinion Screw
483-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
513-672	Repair Parts Kit
501-673	Fuel Bowl
3335-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
3835-1108	Tube—Bowl Drain
1325-1204	Drain Fitting
3745-1207	Gas Line Elbow
3325-1217	Hose Clamp
503-4643	Link—Throttle Actuator
480-5867	Choke & Throttle Shutter Screw
497-5896	Choke Pivot Screw
3835-5962	Set Screw—Control Knob
580-6025	Body Retaining Screw
462-6701	Nut Carburetor Flange Stud





## CARBURETOR - 3845

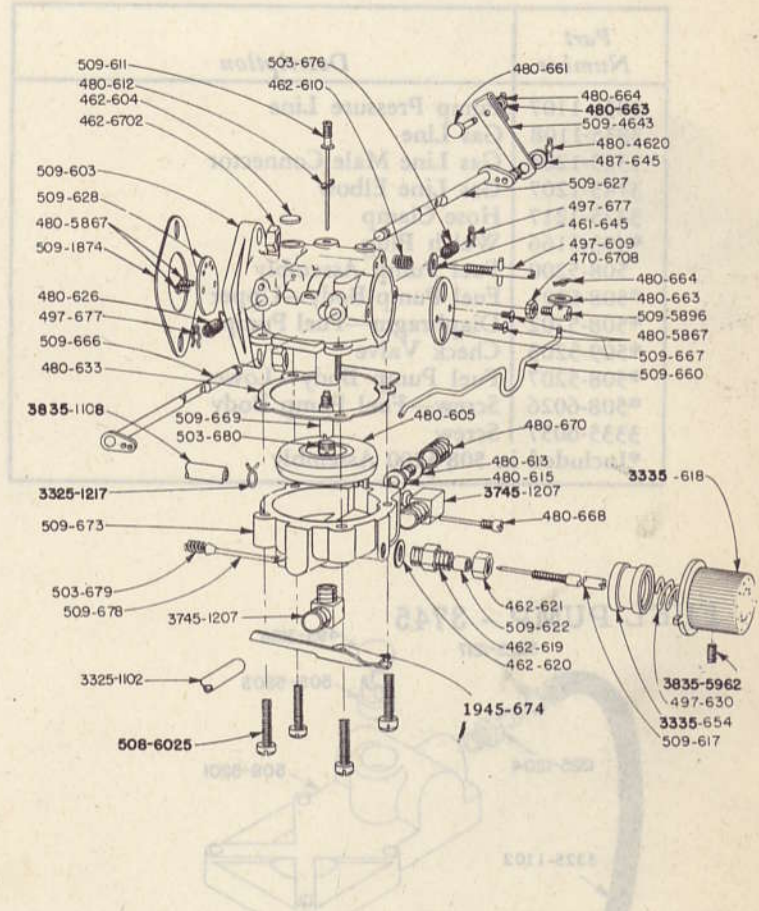
Part Number	Description
508-601	Carburetor (Less Knob, Choke Control, etc.)
508-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
480-609	Idle Adjustment Screw
462-610	Idle Adjustment Screw Spring
508-611	Idle Tube
508-612	Idle Tube Support
480-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
3335-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
509-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
503-627	Throttle Shaft and Lever
465-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
487-645	Washer
3335-654	Control Knob Body
497-660	Choke Lever
480-661	Throttle Actuator Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hair Pin Cotter
497-666	Choke Shaft and Lever
483-667	Choke Shutter
480-668	Float Pinion Screw
497-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
508-672	Repair Parts Kit
501-673	Fuel Bowl
3335-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
3835-1108	Tube—Bowl Drain
1325-1204	Drain Fitting
3745-1207	Gas Line Elbow
3325-1217	Hose Clamp
480-4620	Lock
508-4643	Link—Throttle Actuator
480-5867	Choke & Throttle Shutter Screw
497-5896	Choke Pivot Screw
3835-5962	Set Screw—Control Knob
508-6025	Body Retaining Screw
462-6701	Nut Carburetor Flange Stud





### CARBURETOR - 3945

Part Number	Description
3945-601	Carburetor Complete
509-603	Carburetor Body
462-604	Welch Plug—Body Channel
480-605	Float
497-609	Idle Adjustment Screw Assembly
462-610	Idle Adjustment Screw Spring
509-611	Idle Tube
480-612	Gasket—Idle Tube
480-613	Inlet Needle, Seat and Gasket
480-615	Inlet Seat Gasket
509-617	Main Adjustment Screw
3335-618	Carburetor Main Adjustment Knob
462-619	Main Adjustment Gland
462-620	Gasket—Main Adjustment Screw Gland
462-621	Main Adjustment Packing Nut
509-622	Main Adjustment Nut Packing
480-626	Throttle Shutter Return Spring
509-627	Throttle Shaft and Lever Assembly
509-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Washer—Idle Adjustment Screw Spring
487-645	Washer Throttle Lever Pin
3335-654	Control Knob Body
509-660	Choke Lever
480-661	Throttle Link Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hairpin Cotter
509-666	Choke Shaft and Lever
509-667	Choke Shutter
480-668	Float Pinion Screw
509-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
509-673	Fuel Bowl
1945-674	Main Adjustment Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
509-678	Drain Valve
503-679	Drain Valve Spring
503-680	Channel Plug Screw
3325-1102	Tube
3835-1108	Gas Line
3745-1207	Gas Line Elbow
3325-1217	Hose Clamp
509-1874	Carburetor Flange Gasket



Part Number	Description
480-4620	Hair Pin—Throttle Lever Pin
509-4643	Link—Throttle Actuator
480-5867	Choke and Throttle Shutter Screw
509-5896	Choke Pivot Screw
3835-5962	Screw
508-6025	Screw
462-6702	Nut—Carburetor Flange Stud
470-6708	Nut—Choke Pivot Screw

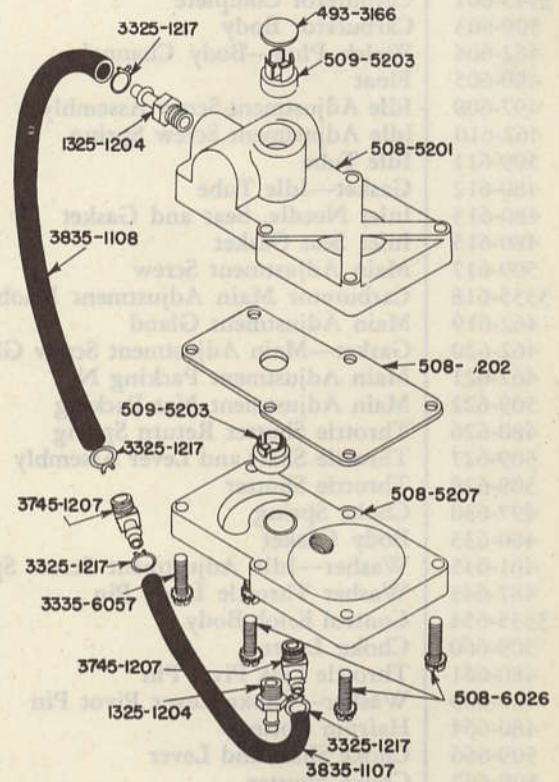


(FUEL PUMP 3945 - Sect. F - P61)

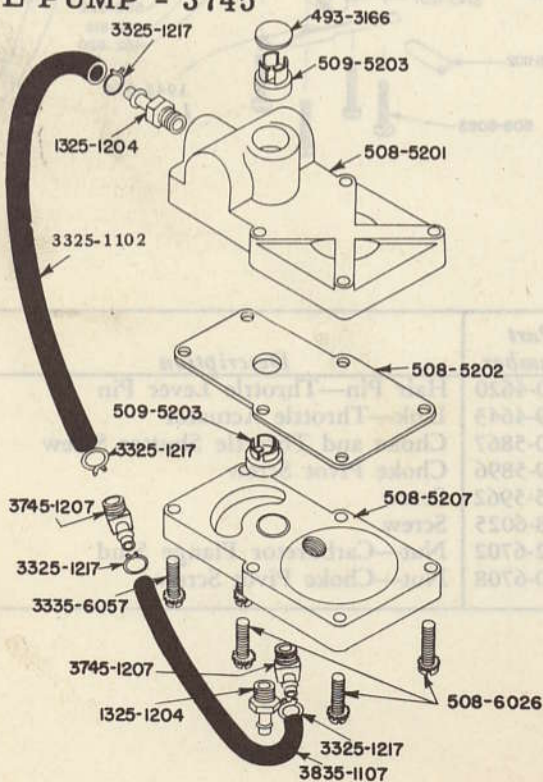
CARBURETOR - 3945

FUEL PUMP - 3345, 3845

Part Number	Description
3835-1107	Pump Pressure Line
3835-1108	Gas Line
1325-1204	Gas Line Male Connector
3745-1207	Gas Line Elbow
3325-1217	Hose Clamp
*493-3166	Welch Plug
508-5200	Fuel Pump Assembly
*508-5201	Fuel Pump Body—Upper
*508-5202	Diaphragm—Fuel Pump
*509-5203	Check Valve
*508-5207	Fuel Pump Body—Lower
*508-6026	Screw—Fuel Pump Body
3335-6057	Screw
*Included in 508-5200 Assembly	



FUEL PUMP - 3745

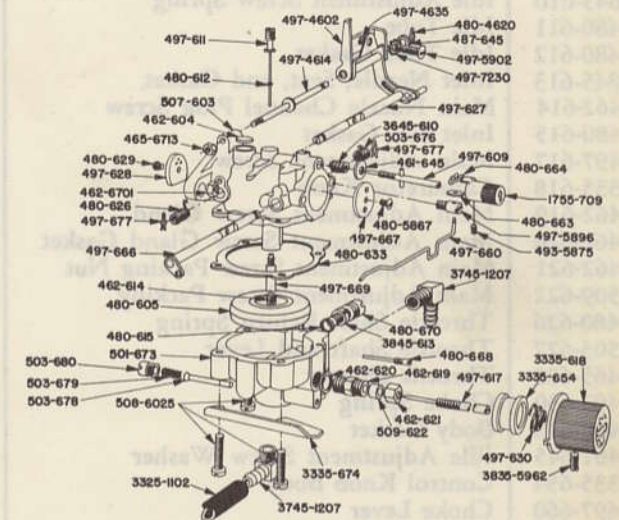


Part Number	Description
3325-1102	Gas Line
3835-1107	Pump Pressure Line
1325-1204	Gas Line Male Connector
3745-1207	Gas Line Elbow
3325-1217	Hose Clamp
*493-3166	Welch Plug
508-5200	Fuel Pump Assembly
*508-5201	Fuel Pump Body—Upper
*508-5202	Diaphragm—Fuel Pump
*509-5203	Check Valve
*508-5207	Fuel Pump Body—Lower
*508-6026	Screw—Fuel Pump Body
3335-6057	Screw
*Included in 508-5200 Assembly	



**CARBURETOR — 3755**

Part Number	Description
3745-601	Carburetor (Less Knob, Choke Control, etc.)
507-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
497-609	Idle Adjustment Screw
3645-610	Idle Adjustment Screw Spring
497-611	Idle Tube
480-612	Idle Tube Gasket
3845-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
3335-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
509-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
497-627	Throttle Shaft and Lever
497-628	Throttle Shutter
480-629	Throttle Shutter Screw
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
487-645	Washer—Synchronous Control Lever Shaft
3335-654	Control Knob Body
497-660	Choke Lever
480-663	Washer—Choke Lever Pivot Pin
480-664	Lock—Choke Lever Pivot Pin
497-666	Choke Shaft and Lever
497-667	Choke Shutter
480-668	Float Pinion Screw
497-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
3745-672	Repair Parts Kit
501-673	Fuel Bowl
3335-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
1755-709	Knob
3325-1102	Tube—Bowl Drain
3745-1207	Gas Line Elbow
497-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
497-4635	Spring—Synchronous Control
480-5867	Choke Shutter Screw
493-5875	Screw

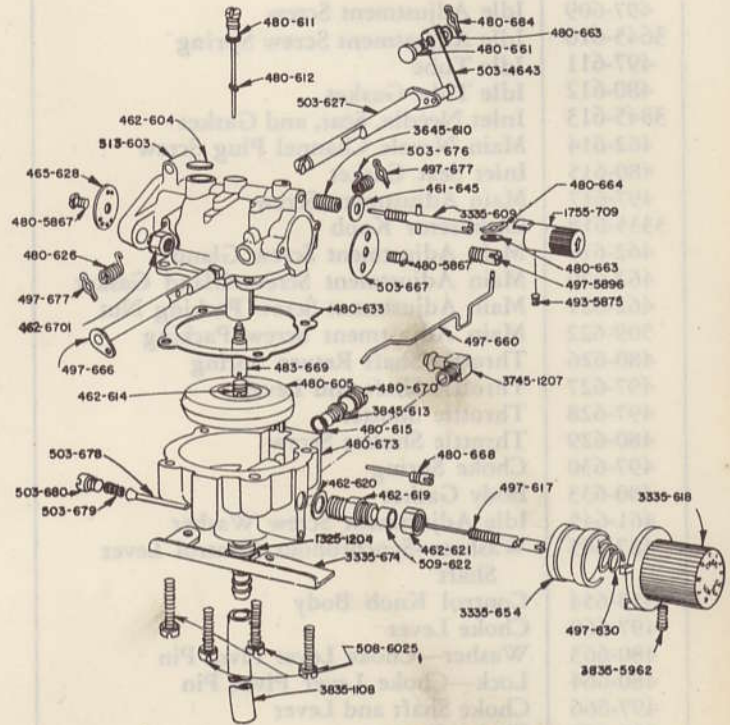


Part Number	Description
497-5896	Choke Pivot Screw
497-5902	Adjusting Screw—Synchronous Control Follower
3835-5962	Set Screw
508-6025	Screw
462-6701	Nut
465-6713	Nut—Synchronous Control Shaft
497-7230	L.W.—Synchronous Control Follower



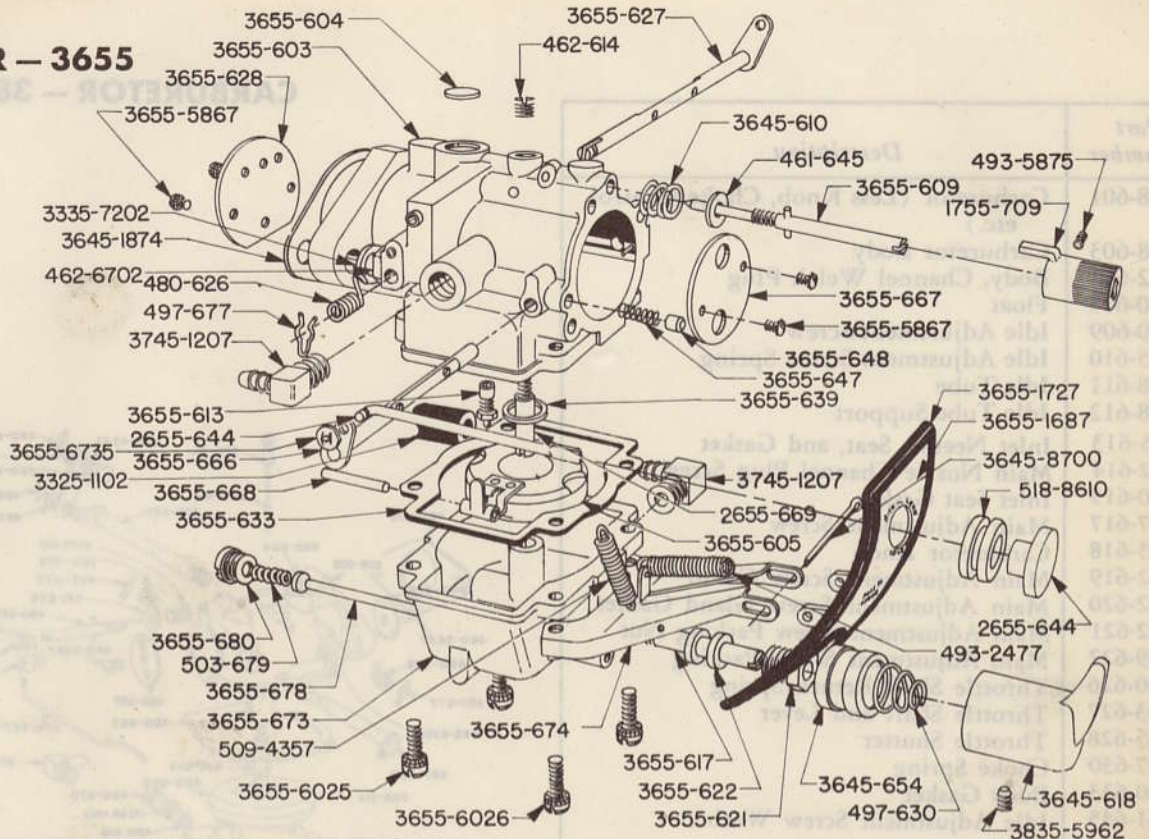
## CARBURETOR — 3355

Part Number	Description
3335-601	Carburetor (Less Knob, Choke Control, etc.)
513-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
3335-609	Idle Adjustment Screw
3645-610	Idle Adjustment Screw Spring
480-611	Idle Tube
480-612	Idle Tube Gasket
3845-613	Inlet Needle, Seat, and Gasket.
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
3335-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
509-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
503-627	Throttle Shaft and Lever
465-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
3335-654	Control Knob Body
497-660	Choke Lever
480-661	Throttle Actuator Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hair Pin Cotter
497-666	Choke Shaft and Lever
503-667	Choke Shutter
480-668	Float Pinion Screw
483-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
513-672	Repair Parts Kit
501-673	Fuel Bowl
3335-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
1755-709	Knob—Idle Adj.
3835-1108	Tube—Bowl Drain
1325-1204	Drain Fitting
3745-1207	Gas Line Elbow
503-4643	Link—Throttle Actuator
480-5867	Choke & Throttle Shutter Screw
493-5875	Screw
497-5896	Choke Pivot Screw
3835-5962	Set Screw—Control Knob
508-6025	Body Retaining Screw
462-6701	Nut Carburetor Flange Stud





# CARBURETOR — 3655



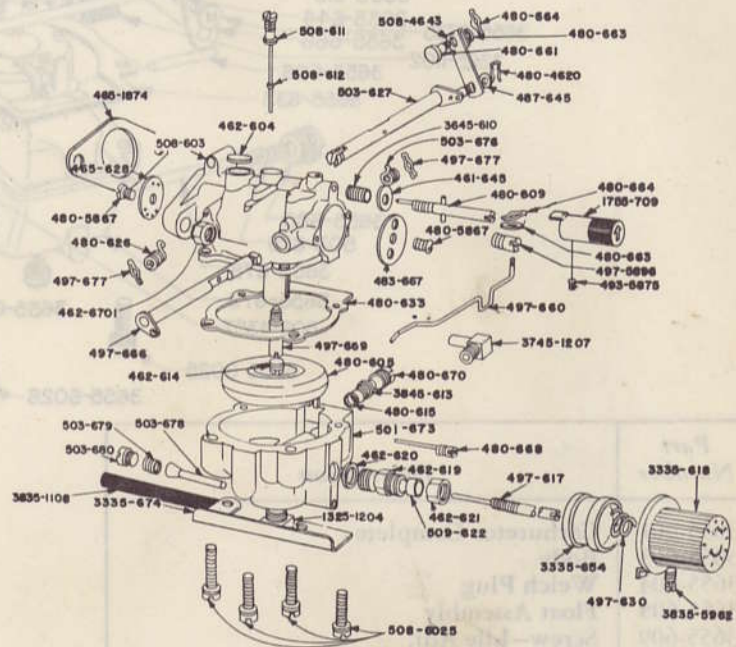
Part Number	Description
3655-601	Carburetor Complete
3655-603	Body
3655-604	Welch Plug
3655-605	Float Assembly
3655-609	Screw—Idle Adj.
3645-610	Spring
3655-613	Inlet Needle Seat and Gasket
462-614	Plug Screw
3655-617	Screw—Main Adj.
3655-618	Knob—Main Adj.
3655-621	Nut—Packing Screw
3655-622	Packing
480-626	Return Spring
3655-627	Throttle Shaft and Lever
3655-628	Throttle Shutter
497-630	Spring
3655-633	Gasket
3655-639	Gasket—Nozzle Boss
2655-644	Shaft and Knob Assy.
461-645	Washer—Idle Adj. Sc.
3655-647	Spacer—Pick-up Lever
3655-648	Pick-up Lever
3645-654	Knob Body
3655-666	Choke Shaft Lever
3655-667	Choke Shutter
3655-668	Pin—Fulcrum
3655-669	Nozzle

Part Number	Description
3655-671	Gasket and Packing Set
3655-672	Repair Kit
3655-673	Bowl
3655-674	Bracket and Stop Assembly
3655-676	Spring
497-677	Cotter Pin
3655-678	Drain Valve
503-679	Spring
3655-680	Plug—Drain Valve
1755-709	Knob—Idle Adj.
3325-1102	Tube—Bowl Drain
3745-1207	Fitting—Gas Line
3655-1687	Panel—Carb. Cont.
3655-1727	Grommet—Panel
3645-1874	Gasket—Carb. Flange
493-2477	Spring—Bkt. to Panel
509-4357	Spring
3655-5867	Screw—Shutter
493-5875	Screw—Idle Adj. Knob
3835-5962	Set Screw—Main Knob
3655-6025	Screw—Body
3655-6026	Screw—Body
462-6702	Nut
3655-6735	Speed Nut
3335-7202	Lockwasher
518-8610	Grommet—Choke Lever
3645-8700	Cotter Pin

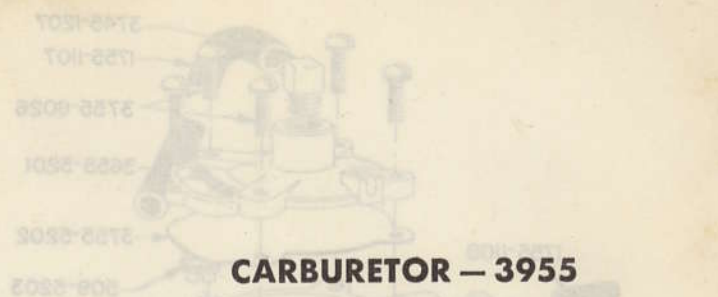


## CARBURETOR — 3855

Part Number	Description
508-601	Carburetor (Less Knob, Choke Control, etc.)
508-603	Carburetor Body
462-604	Body, Channel Welch Plug
480-605	Float
480-609	Idle Adjustment Screw
3645-610	Idle Adjustment Screw Spring
508-611	Idle Tube
508-612	Idle Tube Support
3845-613	Inlet Needle, Seat, and Gasket
462-614	Main Nozzle Channel Plug Screw
480-615	Inlet Seat Gasket
497-617	Main Adjustment Screw
3335-618	Carburetor Knob
462-619	Main Adjustment Screw Gland
462-620	Main Adjustment Screw Gland Gasket
462-621	Main Adjustment Screw Packing Nut
509-622	Main Adjustment Screw Packing
480-626	Throttle Shaft Return Spring
503-627	Throttle Shaft and Lever
465-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Idle Adjustment Screw Washer
487-645	Washer
3335-654	Control Knob Body
497-660	Choke Lever
480-661	Throttle Actuator Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hair Pin Cotter
497-666	Choke Shaft and Lever
483-667	Choke Shutter
480-668	Float Pinion Screw
497-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
508-672	Repair Parts Kit
501-673	Fuel Bowl
3335-674	Carburetor Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
503-678	Drain Valve
503-679	Drain Valve Spring
503-680	Drain Valve Plug
1755-709	Knob
3835-1108	Tube—Bowl Drain
1325-1204	Drain Fitting
3745-1207	Gas Line Elbow
465-1874	Gasket
480-4620	Lock Pin
508-4643	Link—Throttle Actuator
480-5867	Choke & Throttle Shutter Screw
493-5875	Screw
497-5896	Choke Pivot Screw
3835-5962	Set Screw—Control Knob
508-6025	Body Retaining Screw
462-6701	Nut Carburetor Flange Stud

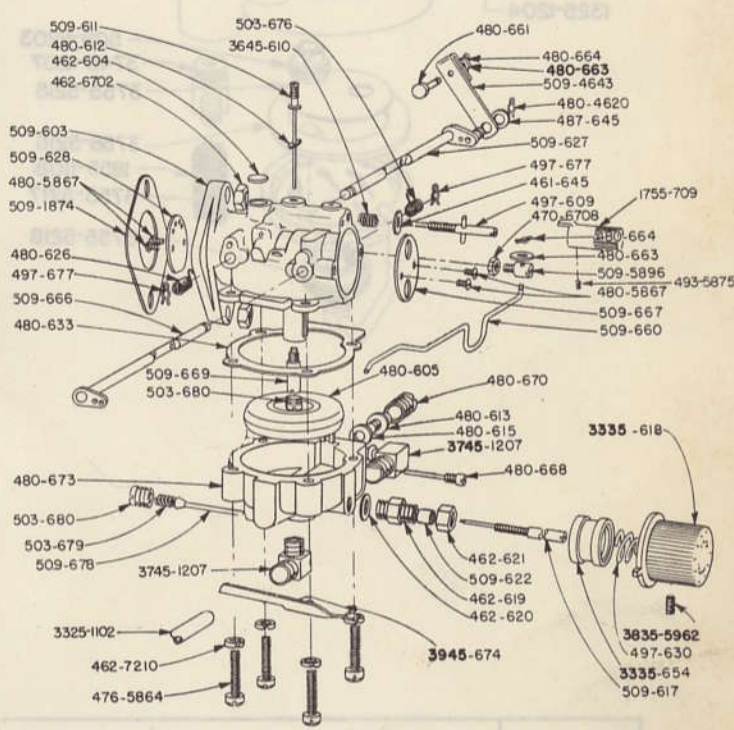






**CARBURETOR - 3955**

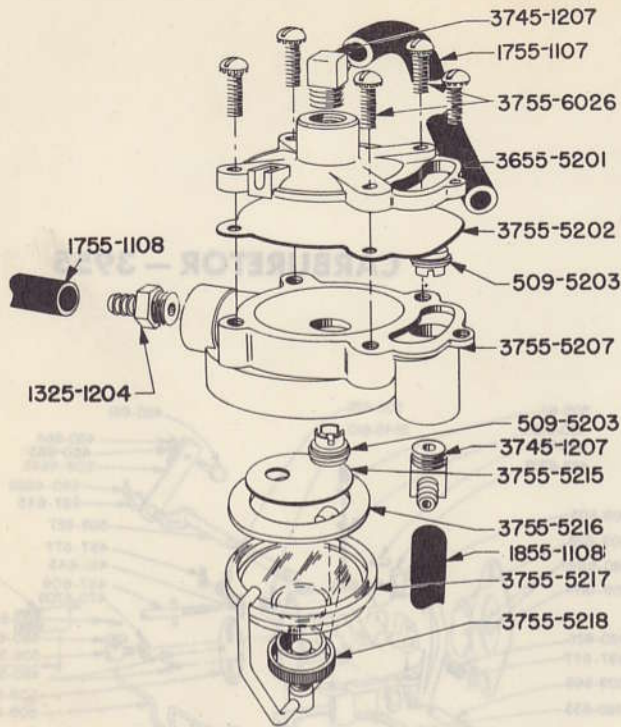
Part Number	Description
3945-601	Carburetor Complete
509-603	Carburetor Body
462-604	Welch Plug—Body Channel
480-605	Float
497-609	Idle Adjustment Screw Assembly
3645-610	Idle Adjustment Screw Spring
509-611	Idle Tube
480-612	Gasket—Idle Tube
480-613	Inlet Needle, Seat and Gasket
480-615	Inlet Seat Gasket
509-617	Main Adjustment Screw
3335-618	Carburetor Main Adjustment Knob
462-619	Main Adjustment Gland
462-620	Gasket—Main Adjustment Screw Gland
462-621	Main Adjustment Packing Nut
509-622	Main Adjustment Nut Packing
480-626	Throttle Shutter Return Spring
509-627	Throttle Shaft and Lever Assembly
509-628	Throttle Shutter
497-630	Choke Spring
480-633	Body Gasket
461-645	Washer—Idle Adjustment Screw Spring
487-645	Washer Throttle Lever Pin
3335-654	Control Knob Body
509-660	Choke Lever
480-661	Throttle Link Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hairpin Cotter
509-666	Choke Shaft and Lever
509-667	Choke Shutter
480-668	Float Pinion Screw
509-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
509-673	Fuel Bowl
3945-674	Main Adjustment Knob Stop
503-676	Choke Return Spring
497-677	Spring Cotter
509-678	Drain Valve
503-679	Drain Valve Spring
503-680	Channel Plug Screw
1755-709	Knob—Idle Adjust
3325-1102	Tube
3745-1207	Gas Line Elbow
509-1874	Carburetor Flange Gasket



Part Number	Description
480-4620	Hair Pin—Throttle Lever Pin
509-4643	Link—Throttle Actuator
476-5864	Screw
480-5867	Choke and Throttle Shutter Screw
493-5875	Screw
509-5896	Choke Pivot Screw
3835-5962	Screw
462-6702	Nut—Carburetor Flange Stud
470-6708	Nut—Choke Pivot Screw
462-7210	Lockwasher

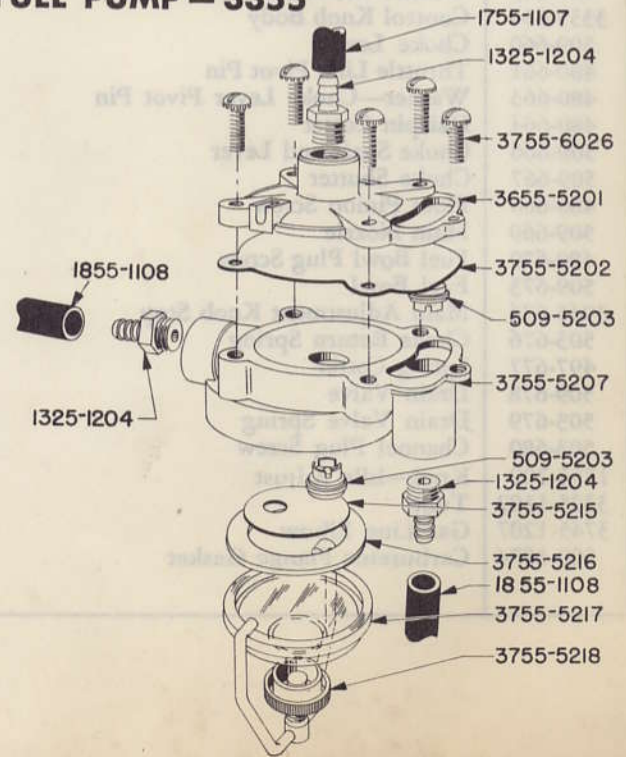


# FUEL PUMP — 3755



Part Number	Description
1755-1107	Pressure Line
1755-1108	Gas Line—Pump to Carburetor
1855-1108	Gas Line Inlet
1325-1204	Fitting—Outlet
3745-1207	Fitting—Inlet and Pressure Line
3755-5200	Fuel Pump Assembly
3655-5201	Body—Upper
3755-5202	Diaphragm
509-5203	Check Valve
3755-5207	Body—Lower
3755-5215	Filter Screen
3755-5216	Gasket
3755-5217	Sediment Bowl
3755-5218	Clamp Spring Assembly
3755-6026	Screw

# FUEL PUMP — 3355

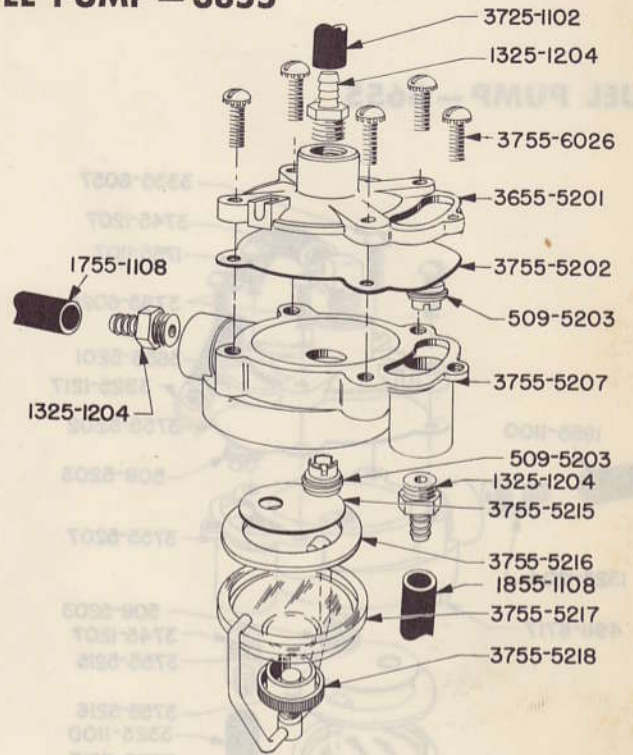


Part Number	Description
1755-1107	Pressure Line
1855-1108	Gas Line
3835-1108	Gas Line Inlet
1325-1204	Fitting
3755-5200	Fuel Pump Assembly
3655-5201	Body—Upper
3755-5202	Diaphragm
509-5203	Check Valve
3755-5207	Body—Lower
3755-5215	Filter Screen
3755-5216	Gasket
3755-5217	Sediment Bowl
3755-5218	Clamp Spring Assembly
3755-6026	Screw

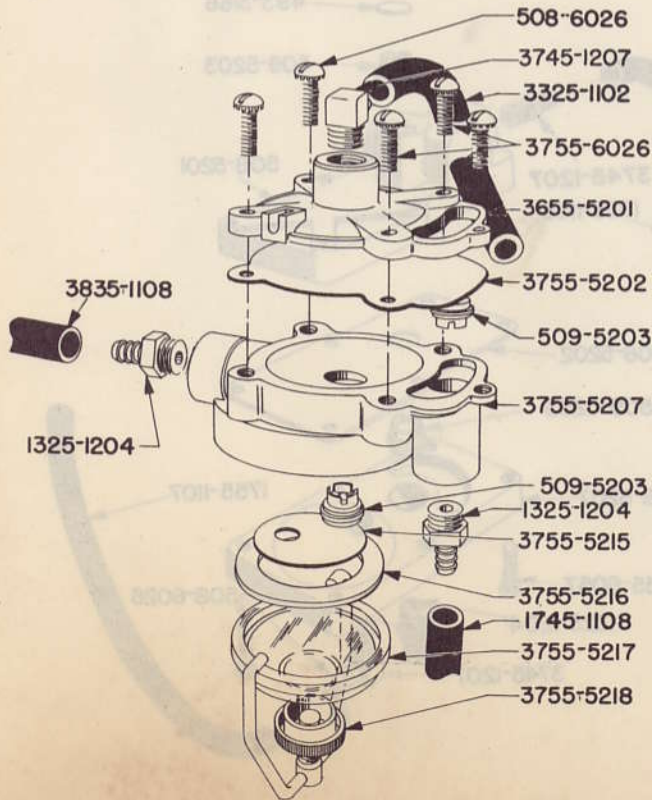


### FUEL PUMP — 3855

Part Number	Description
3725-1102	Pressure Line
1755-1108	Gas Line—Pump to Carburetor
1855-1108	Gas Line Inlet
1325-1204	Fitting
3755-5200	Fuel Pump Assembly
3655-5201	Body—Upper
3755-5202	Diaphragm
509-5203	Check Valve
3755-5207	Body—Lower
3755-5215	Filter Screen
3755-5216	Gasket
3755-5217	Sediment Bowl
3755-5218	Clamp Spring Assembly
3755-6026	Screw



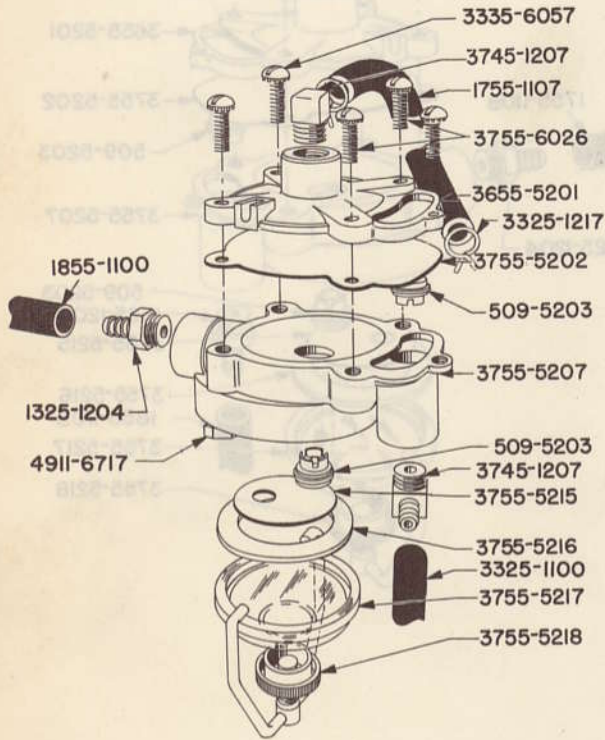
### FUEL PUMP — 3955



Part Number	Description
3325-1102	Pressure Line
1745-1108	Gas Line
3835-1108	Gas Line—Pump to Carburetor
1325-1204	Fitting—Inlet and Outlet
3745-1207	Fitting—Pressure Line
3955-5200	Fuel Pump Assembly
3655-5201	Body—Upper Half
3755-5202	Diaphragm
509-5203	Check Valve
3755-5207	Body—Lower Half
3755-5215	Filter Screen
3755-5216	Gasket
3755-5217	Sediment Bowl
3755-5218	Clamp Spring Assembly
508-6026	Screw—Pump to Bracket
3755-6026	Screw—Pump Body

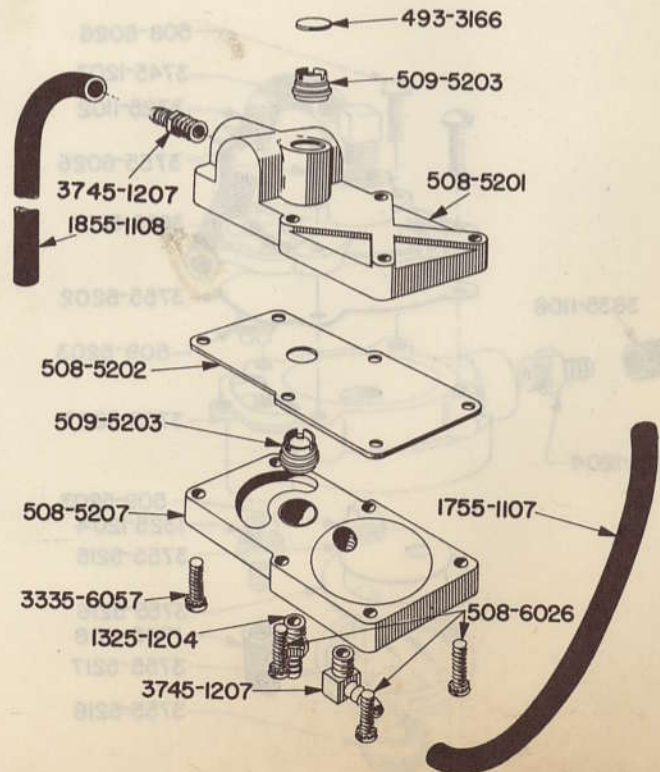


# FUEL PUMP - 3655



Part Number	Description
1855-1100	Outlet Line
3325-1100	Inlet Line
1755-1107	Pressure Line
1325-1204	Fitting—Outlet Line
3745-1207	Fitting—Pressure and Inlet
3325-1217	Clamp
3655-5201	Fuel Pump Assembly
3655-5201	Pump Body—Upper
3755-5202	Diaphragm
509-5203	Check Valve
3755-5207	Body—Lower
3755-5215	Filter Screen
3755-5216	Gasket
3755-5217	Sediment Bowl
3755-5218	Clamp Spring Assembly
3335-6057	Screw
3755-6026	Screw
4911-6717	Nut

# SCAVENGER PUMP - 3655

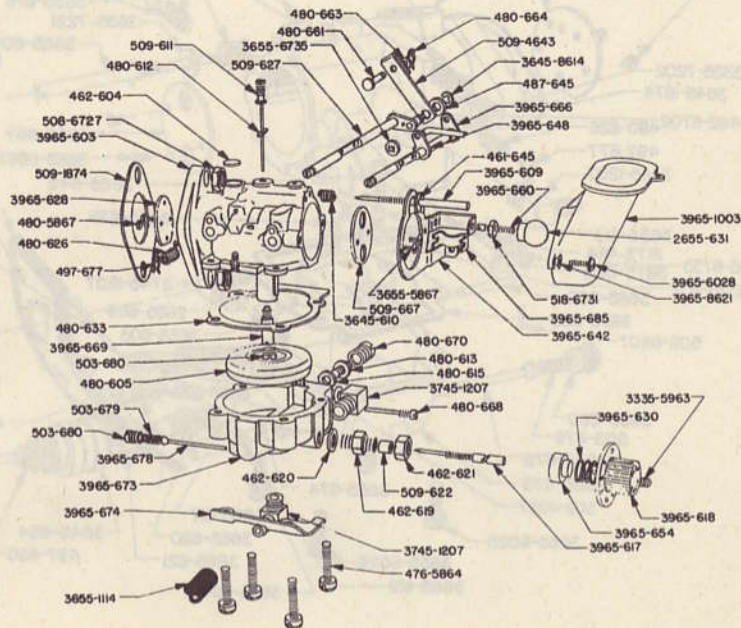


Part Number	Description
1755-1107	Pressure Line
1855-1108	Outlet Line
1325-1204	Fitting—Scavenger Line
3745-1207	Fitting—Outlet and Pressure
493-3166	Welch Plug
508-5200	Pump Assembly
508-5201	Pump Body—Upper
508-5202	Diaphragm
509-5203	Check Valve
508-5207	Body—Lower
508-6026	Screw—Pump Body
3335-6057	Screw—Pump Body



(Carburetor 3065-P23)  
 (Carburetor 3765-P29)  
 (Carburetor 3365-P30)  
 (Carburetor 3865-P32)

### CARBURETOR-3965

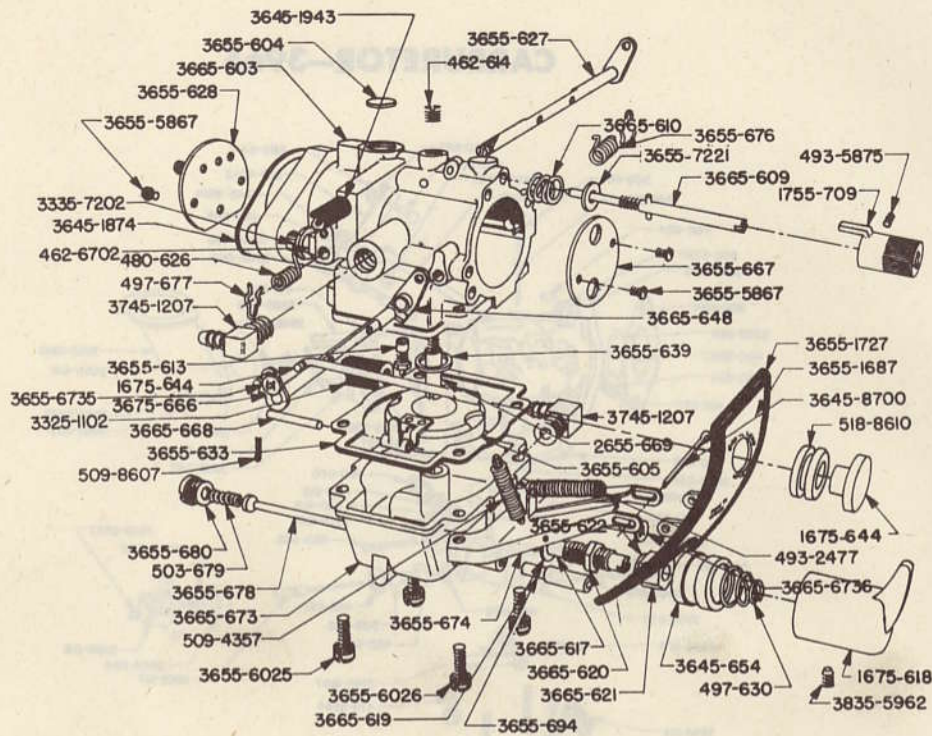


Part Number	Description
3965-601	Carburetor Complete
3965-603	Carburetor Body
462-604	Welch Plug—Body Channel
480-605	Float
3965-609	Idle Adjustment Screw Assembly
3645-610	Idle Adjustment Screw Spring
509-611	Idle Tube
480-612	Gasket—Idle Tube
480-613	Inlet Needle, Seat and Gasket
480-615	Inlet Seat Gasket
3965-617	Main Adjustment Screw
3965-618	Carburetor Main Adjustment Knob
462-619	Main Adjustment Gland
462-620	Gasket—Main Adjustment Screw Gland
462-621	Main Adjustment Packing Nut
509-622	Main Adjustment Nut Packing
480-626	Throttle Shutter Return Spring
509-627	Throttle Shaft and Lever Assembly
3965-628	Throttle Shutter
3965-630	Choke Spring
2655-631	Knob—Choke
480-633	Body Gasket
3965-642	Bracket
461-645	Washer—Idle Adjustment Screw Spring
487-645	Washer Throttle Lever Pin
3965-648	Lever—Pickup
3965-654	Control Knob Body
3965-660	Choke Lever
480-661	Throttle Link Pivot Pin
480-663	Washer—Choke Lever Pivot Pin

Part Number	Description
480-664	Hairpin Cotter
3965-666	Choke Shaft and Lever
509-667	Choke Shutter
480-668	Float Pinion Screw
3965-669	Main Nozzle
480-670	Fuel Bowl Plug Screw
509-671	Gasket Set
3965-673	Fuel Bowl
3965-674	Main Adjustment Knob Stop
497-677	Spring Cotter
3965-678	Drain Valve
503-679	Drain Valve Spring
503-680	Channel Plug Screw
3965-685	Spring
3965-1003	Adaptor
3655-1114	Drain Line
3745-1207	Gas Line Elbow
509-1874	Carburetor Flange Gasket
509-4643	Link—Throttle Actuator
476-5864	Screw
480-5867	Throttle Shutter Screw
3655-5867	Choke Shutter Screw
3335-5963	Screw
3965-6028	Screw Adaptor
508-6727	Nut—Carburetor Flange Stud
518-6731	Nut
3655-6735	Nut
3645-8614	Nut
3965-8621	Eyelet



# CARBURETOR—3665



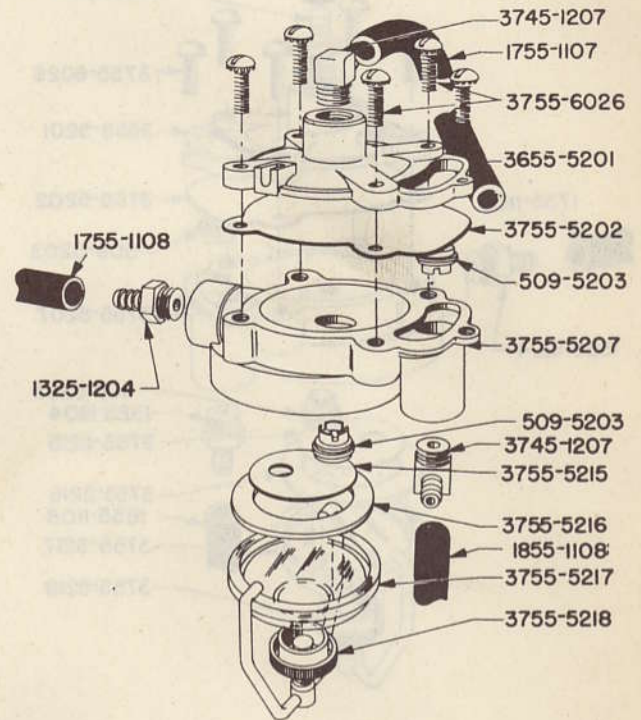
Part Number	Description
3665-601	Carburetor Complete
3665-603	Body
3655-604	Welch Plug
3655-605	Float Assembly
3665-609	Screw—Idle Adj.
3665-610	Spring
3655-613	Inlet Needle Seat and Gasket
462-614	Plug Screw
3665-617	Screw—Main Adj.
1675-618	Knob—Main Adj.
3665-619	Gasket
3665-620	Nut
3665-621	Nut—Packing Screw
3655-622	Packing
480-626	Return Spring
3655-627	Throttle Shaft and Lever
3655-628	Throttle Shutter
497-630	Spring
3655-633	Gasket
3655-639	Gasket—Nozzle Boss
1675-644	Shaft and Knob Assy.
3665-648	Pick-up Lever
3645-654	Knob Body
3675-666	Choke Shaft Lever
3655-667	Choke Shutter
3665-668	Pin—Fulcrum
2655-669	Nozzle
3665-671	Gasket and Packing Set
3665-672	Repair Kit

Part Number	Description
3665-673	Bowl
3655-674	Bracket and Stop Assembly
3655-676	Spring
497-677	Cotter Pin
3655-678	Drain Valve
503-679	Spring
3655-680	Plug—Drain Valve
3655-694	Sleeve
1755-709	Knob—Idle Adj.
3325-1102	Tube—Bowl Drain
3745-1207	Fitting—Gas Line
3655-1687	Panel—Carb. Cont.
3655-1727	Grommet—Panel
3645-1874	Gasket—Carb. Flange
3645-1943	Tube—Drain
493-2477	Spring—Bkt. to Panel
509-4357	Spring
3655-5867	Screw—Shutter
493-5875	Screw—Idle Adj. Knob
3835-5962	Set Screw—Main Knob
3655-6025	Screw—Body
3655-6026	Screw—Body
462-6702	Nut
3655-6735	Speed Nut
3665-6736	Speed Nut
3335-7202	Lockwasher
3655-7221	Washer
509-8607	Cotter Pin
518-8610	Grommet—Choke Lever
3645-8700	Cotter Pin

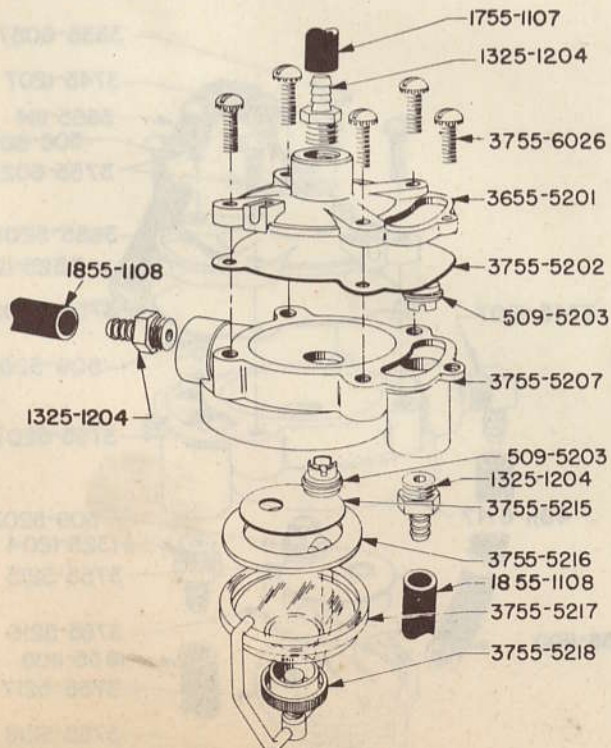


## FUEL PUMP-3765

Part Number	Description
1755-1107	Pressure Line
1755-1108	Gas Line—Pump to Carburetor
1855-1108	Gas Line Inlet
1325-1204	Fitting—Outlet
3745-1207	Fitting—Inlet and Pressure Line
3755-5200	Fuel Pump Assembly
3655-5201	Body—Upper
3755-5202	Diaphragm
509-5203	Check Valve
3755-5207	Body—Lower
3755-5215	Filter Screen
3755-5216	Gasket
3755-5217	Sediment Bowl
3755-5218	Clamp Spring Assembly
3755-6026	Screw



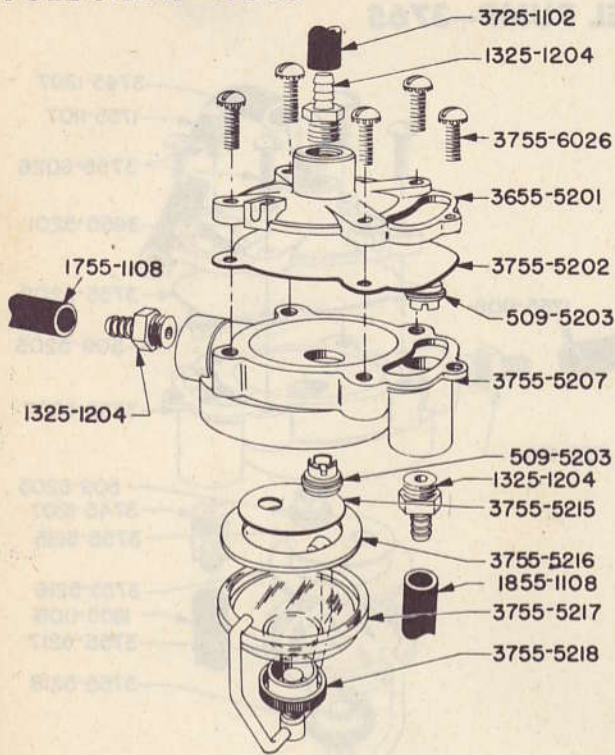
## FUEL PUMP-3365



Part Number	Description
1755-1107	Pressure Line
1855-1108	Gas Line
1325-1204	Fitting
3755-5200	Fuel Pump Assembly
3655-5201	Body—Upper
3755-5202	Diaphragm
509-5203	Check Valve
3755-5207	Body—Lower
3755-5215	Filter Screen
3755-5216	Gasket
3755-5217	Sediment Bowl
3755-5218	Clamp Spring Assembly
3755-6026	Screw

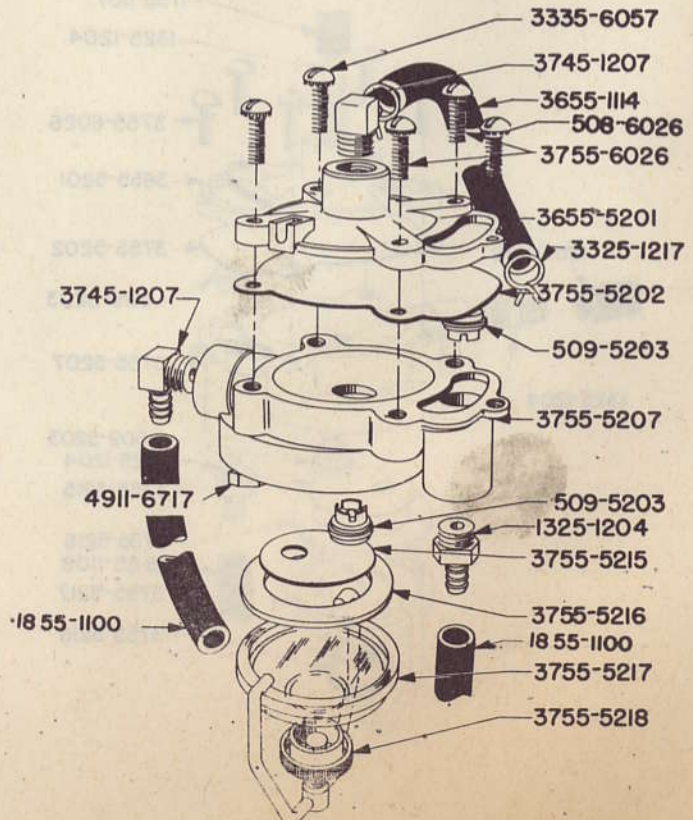


## FUEL PUMP—3865



Part Number	Description
3725-1102	Pressure Line
1755-1108	Gas Line—Pump to Carburetor
1855-1108	Gas Line Inlet
1325-1204	Fitting
3755-5200	Fuel Pump Assembly
3655-5201	Body—Upper
3755-5202	Diaphragm
509-5203	Check Valve
3755-5207	Body—Lower
3755-5215	Filter Screen
3755-5216	Gasket
3755-5217	Sediment Bowl
3755-5218	Clamp Spring Assembly
3755-6026	Screw

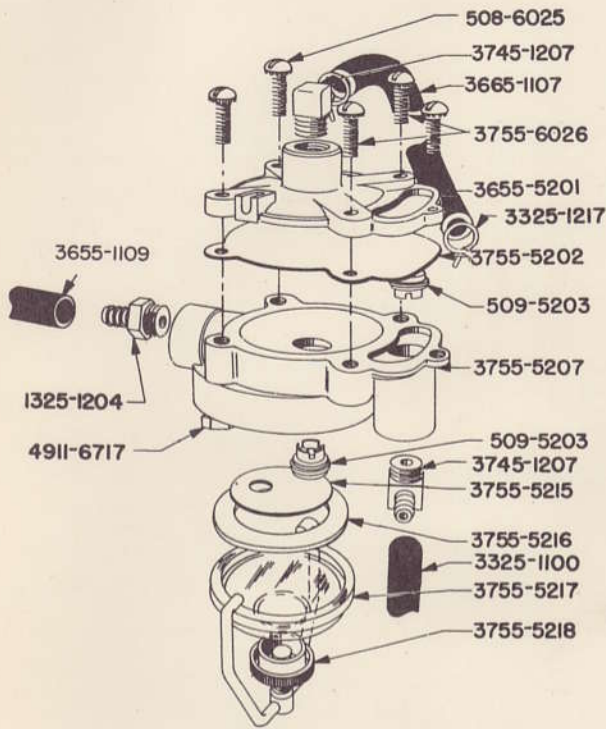
## FUEL PUMP—3965



Part Number	Description
1855-1100	Gas Line Inlet
3655-1114	Pressure Line
3325-1100	Gas Line—Pump to Carburetor
1325-1204	Fitting
3745-1207	Fitting
3325-1217	Clamp
3655-5200	Fuel Pump Assembly
3655-5201	Body—Upper
3755-5202	Diaphragm
509-5203	Check Valve
3755-5207	Body—Lower
3755-5215	Filter Screen
3755-5216	Gasket
3755-5217	Sediment Bowl
3755-5218	Clamp Spring Assembly
508-6026	Screw—Pump to Bracket
3755-6026	Screw
3335-6057	Screw
4911-6717	Nut

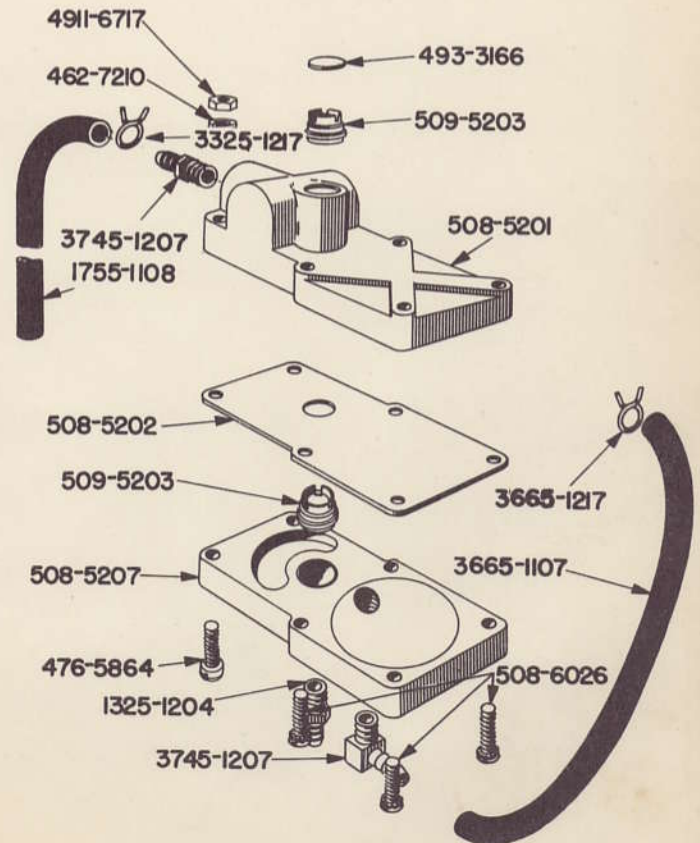


## FUEL PUMP—3665



Part Number	Description
3325-1100	Inlet Line
3665-1107	Pressure Line
3655-1109	Outlet Line
1325-1204	Fitting—Outlet Line
3745-1207	Fitting—Pressure and Inlet
3325-1217	Clamp
3655-5200	Fuel Pump Assembly
3655-5201	Pump Body—Upper
3755-5202	Diaphragm
509-5203	Check Valve
3755-5207	Body—Lower
3755-5215	Filter Screen
3755-5216	Gasket
3755-5217	Sediment Bowl
3755-5218	Clamp Spring Assembly
508-6025	Screw
3755-6026	Screw
4911-6717	Nut

## SCAVENGER PUMP—3665



Part Number	Description
3665-1107	Pressure Line
1755-1108	Outlet Line
1325-1204	Fitting — Scavenger Line
3745-1207	Fitting — Outlet and Pressure
3325-1217	Clamp
493-3166	Welch Plug
508-5200	Pump Assembly
508-5201	Pump Body — Upper
508-5202	Diaphragm
509-5203	Check Valve
508-5207	Body — Lower
476-5864	Screw
508-6026	Screw — Pump Body
4911-6717	Nut
462-7210	Lockwasher



# SCOTT-ATWATER SERVICE MANUAL

## SECTION E - IGNITION

### CONTENTS

	Page
<b>MAGNETO</b>	1
Magneto Testing	1
Disassembly	1
16 HP Magneto	2
16 HP Stator Plate Modification	2A
30 & 33 HP Magneto	2B
Breaker Points	3
Lead Wire Group	3
Sparky's	3
<b>PLUGS</b>	4
Spark Plug Recommendations - Type & Torque	5
<b>MODIFICATIONS</b>	6
<b>PARTS LIST OF ALL MAGNETOS</b>	Begin P1



## IGNITION

### MAGNETO

All models are equipped with Wico, Splitdorf, Eisemann or Phelon magnetos. Examine the serial number stamped on the nameplate to determine which magneto the motor has. An "E" following the number indicates Eisemann; a "P", Phelon. Use the corresponding parts list when ordering parts.

The magneto used on the twin consists of two complete coils, condensers and breaker point sets which means that there is virtually a separate magneto for each cylinder. The failure of one magneto unit will not affect the operation of the other and the motor will continue to run on one cylinder. The coil, condenser and breaker contact sets are interchangeable between the two units and between the twin and single cylinder magnetos.

### MAGNETO TESTING

To test the magneto, remove a lead wire and with the tip of the wire held about 1/8" from some part of the motor, pull the motor over with a starting rope. If the arc across the gap is a strong bluish-white spark, the magneto is in good condition and need not be serviced. However, a poor spark or no spark at all indicates that the magneto is not functioning properly.



If you do a great deal of service work it is advisable to invest in a magneto testing set that will determine the condition of the coils and condensers.

### DISASSEMBLY

After the gas tank has been removed, the magneto rotor can be pulled by removing the flywheel nut and starter ratchet pulley. If the rotor does not come off easily, use the flywheel puller, Part No. SK 1680, which will fit all magnetos on Scott-Atwater motors. The stator plate can be removed after loosening the tension screw underneath the plate. Slide the cam off the crankshaft and remove the key.



*Magneto testing set.*



If it appears that oil is leaking past the top main bearing on the 7 1/2 hp twin, insert an oil seal, Part No. 465-1899, before replacing the key and cam. This oil seal is a service part only and should not be used unless oil is actually leaking past the bearing (the seal needs lubrication and will not stand up if the bearing isn't leaking). Insert this seal with the metal face outward.

The coils are held on the iron core with wedges or by a clip. To remove a coil, remove the core from the stator plate. Work the wedges loose (or bend the clip down) and pull the coil unit off. Be sure the cores are replaced in exactly the same position, as an undue misplacement will cause them to rub on the flywheel. The clearance (air gap) between the cores and the flywheel is .010''.

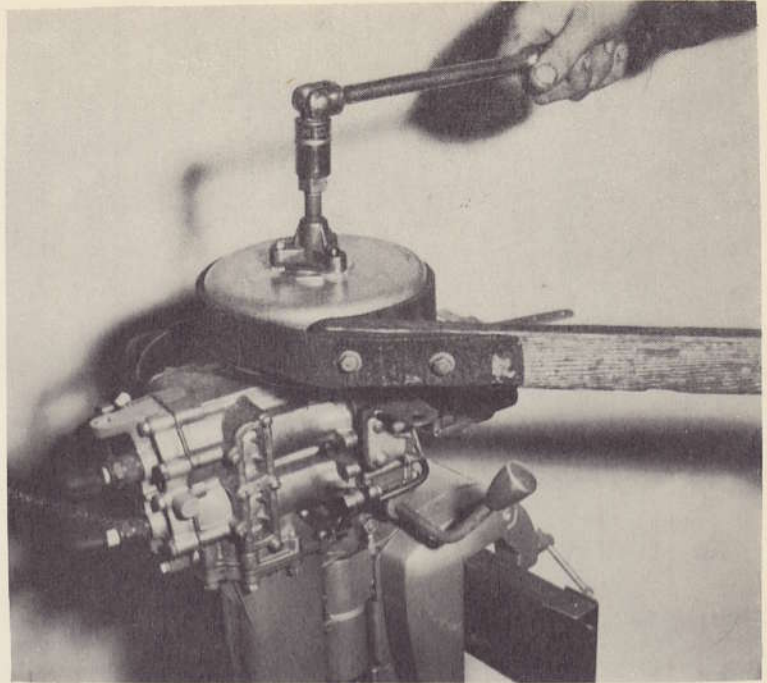
In replacing the cam, be sure to place it on the shaft with the arrow on the top side. The placement of this cam and the point setting are the only things that will affect the timing of the motor.

#### 16HP MAGNETO

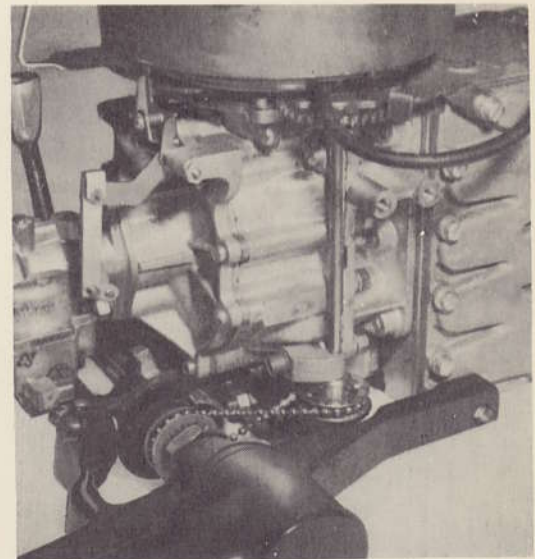
The stator plate is fastened to the gear by two screws which must be removed in order to take the stator plate off. Pull the flywheel and remove the screw alongside each of the cam followers.

To replace the gear drive, slide the stator plate gear over the magneto mount; slide the pinion gear in position, engaging the stator plate gear; and replace the mounting ring over the gear. You need not be concerned about the relative positions of these gears when assembling since the adjustment is made on the bead chain pulley. Lubricate all working parts when assembling. Slide the stator plate over the magneto mount, line up the holes in the plate and gear, and replace the two screws.

When ordering parts for any magneto, be sure you are using the right parts lists. Some models are manufactured with more than one magneto. Compare the breaker points and coils with the drawings to be sure you have the right parts list.



*Using flywheel puller and home made holder.*

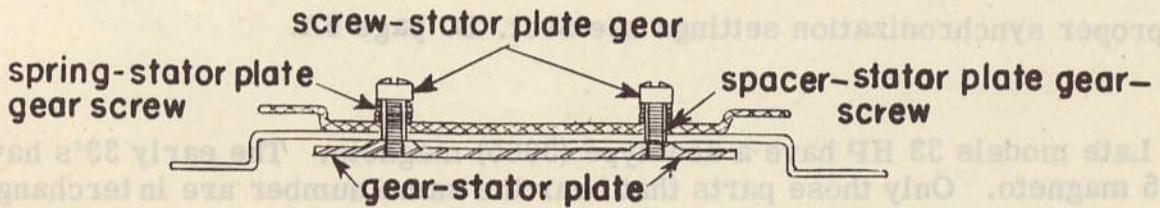
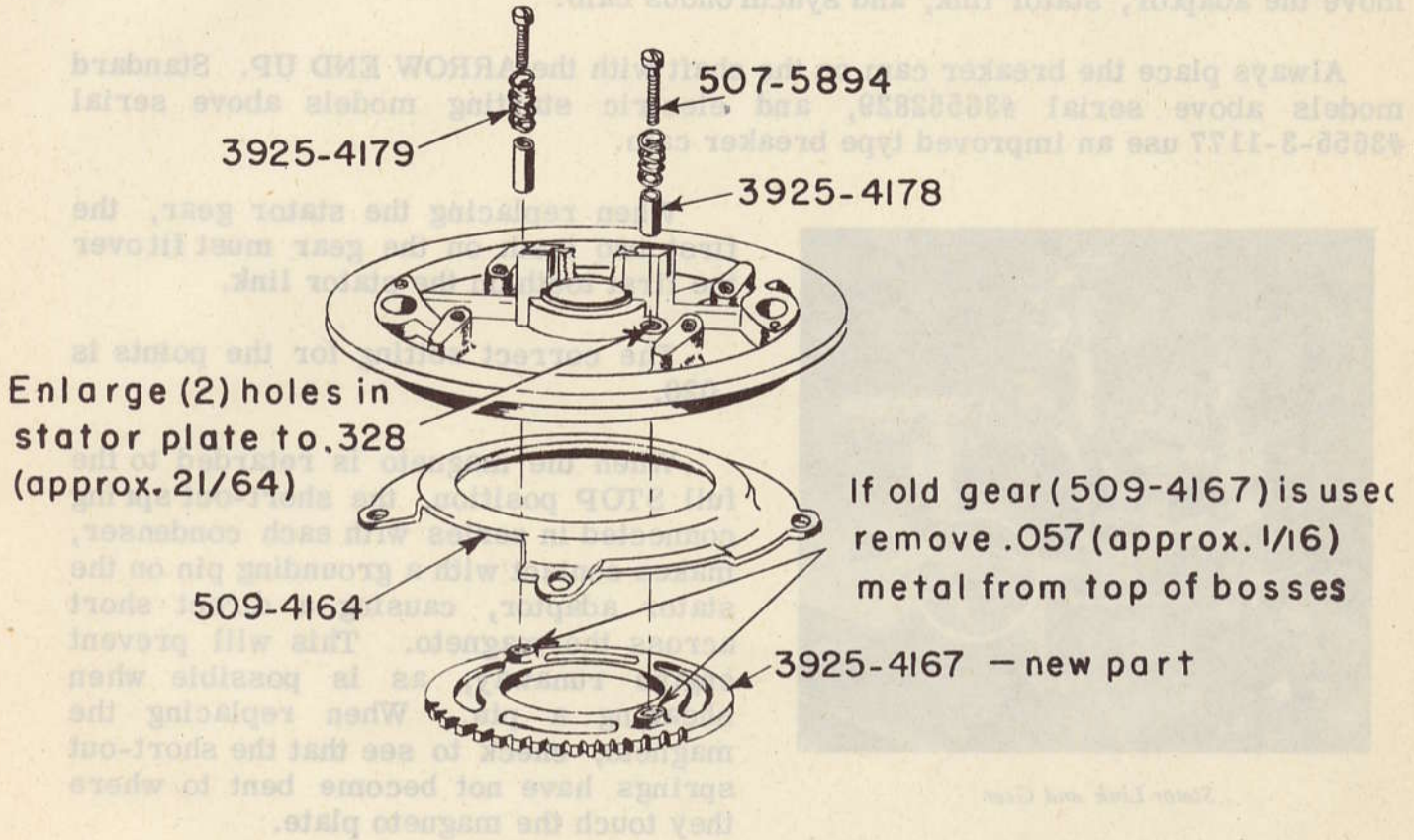


*Linkage for stator plate control.*



# 16 HP STATOR PLATE MODIFICATION

Excessive play in the stator plate bearing on the Model 509 and 519 can be corrected by making the installation shown below. This modification will stop any stator plate wobble which makes it difficult to set the breaker points accurately.



New parts req. (See illustration for placement)

- 3925-4178 Spacer— Stator Plate Gear Screw
- 3925-4179 Spring— " " " "
- 3925-4167 Gear— Stator Plate
- 507-5894 Screw— Stator Plate Gear

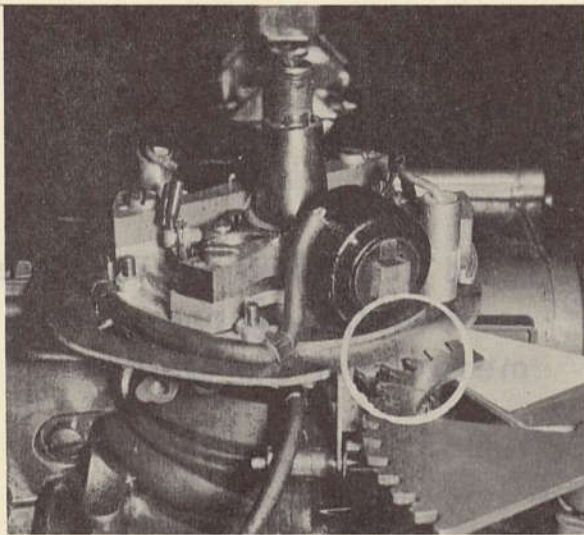


## 30 & 33 HP MAGNETO

The 30 and 33 HP Magneto is similar in construction to those of the other models. For easy access remove the recoil starter and flywheel. The standard flywheel puller (SK-1680) fits all models.

The magneto is fastened to the stator link and synchronous control cam with four screws, nuts and washers (pointing upward). Remove the nuts and washers, and lift the magneto off. Loosen the four stator adaptor mounting screws, and remove the adaptor, stator link, and synchronous cam.

Always place the breaker cam on the shaft with the **ARROW END UP**. Standard models above serial #36552829, and electric starting models above serial #3655-3-1177 use an improved type breaker cam.



*Stator Link and Gear*

When replacing the stator gear, the first two teeth on the gear must fit over the first tooth on the stator link.

The correct setting for the points is .020.

When the magneto is retarded to the full STOP position, the short-out spring connected in series with each condenser, makes contact with a grounding pin on the stator adaptor, causing a direct short across the magneto. This will prevent engine runaway, as is possible when shearing a pin. When replacing the magneto, check to see that the short-out springs have not become bent to where they touch the magneto plate.

For proper synchronization settings see Sect. B. page 5A.

Late models 33 HP have a new type (3665) magneto. The early 33's have the 3655 magneto. Only those parts that bear the same number are interchangeable. An exception is the 3655-134 Coil which replaces the 1355-134 Coil in the 3655 Magneto group. The 3665 Magneto is used on manual starting 33 HP motors above serial number 3665-3317, and on electric starting motors above serial number 3665-3-3127.



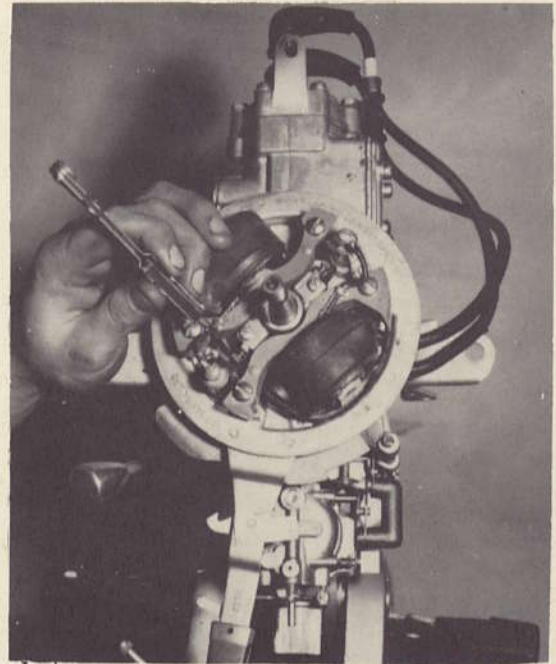
## CLEANING AND ADJUSTING BREAKER POINTS

Clean the points by drawing a piece of clean paper partially through the points; open the points and remove the paper. Filing or sanding the contact points, if necessary, is recommended; but it must be done carefully. If the points are badly pitted, they should be replaced and the condenser should be checked. A defective condenser will allow a spark to arc across the points as they open and cause pitting.

Set the breaker points at .020 when the cam follower which opens the points is directly over the key and the speed control lever is approximately in the middle position.

## LEAD WIRE GROUP

Care should be taken when replacing the lead wires to the plugs on the twin cylinder models to see that the proper wire is connected to the top plug. This wire has a "top" marker around the insulation near the clip end and is connected to the coil on the starboard side of the magneto. The lead wires are connected to the coil by winding the wire on the coil terminal or by means of a friction type plug. Never solder these wires to the coil; the heat of soldering may damage the coil insulation. Check the lead wires and spark plug hoods for undue wear or breaks in the insulation.



*Checking breaker point gap.*

## SPARKY'S

Eliminate starting troubles caused by condensation or water on the spark plugs, by using Sparkys. Made of tight fitting - moistureproof neoprene rubber, it fits onto the lead wire and firmly over the spark plugs.

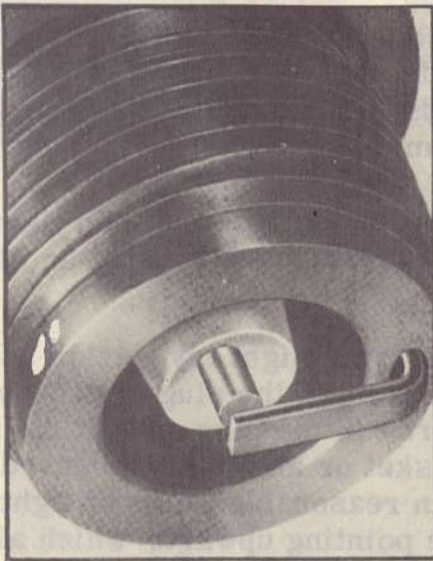




## PLUGS

Spark plug trouble in outboard motors is probably one of the most common causes of poor performance. Luckily enough, correcting this difficulty is one of the easiest service operations. The reason for spark plug trouble can usually be traced either to the fuel mixture used or to the carburetor adjustment.

**NEW, CLEAN, EFFICIENT  
SPARK PLUGS**



**OILY, DIRTY, WORN-OUT  
SPARK PLUGS**



Heavily leaded gasolines, or lubricating oils that contain detergent additives, cause abnormal carbon and oxide deposits in the cylinder resulting in fouled plugs. Setting the carburetor adjustment too rich will have the same effect. If an owner brings a motor in that is "hard on plugs", question him about these things. Diplomatically showing him where he can improve the operation of his motor will go far in promoting good will.

We recommend and use the Champion H-10J spark plugs, which are of the proper heat range for use on Scott-Atwater 3.6, 4, 5, 7-1/2 and 10 HP motors. If another plug is used, it should be checked periodically to see if it is of the proper heat range. If the center electrode and insulator is black and greasy, the plug is too cold, if chalky white, it is too hot. Proper insulator color is that of coffee with cream. Use Champion J6J plugs in 30 and 33 HP motors.



Plugs should be checked periodically. Cracked or loose insulators or badly burned and corroded terminals necessitate replacement of the plug. The electrode gap is the heart of the combustion process. Corroded or oxide coated electrodes vitally affect the efficiency of the spark.

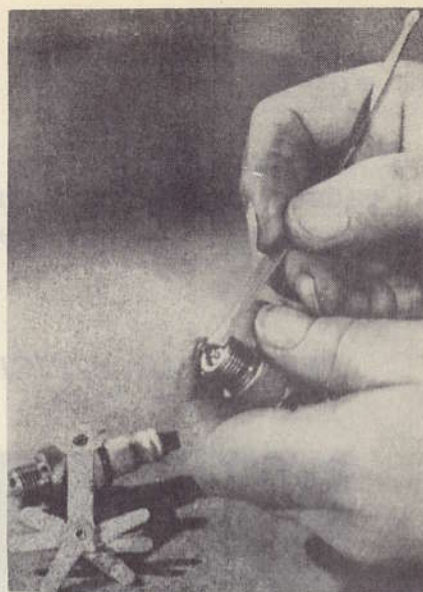


Carefully remove all deposits of carbon and oxides with a wire brush or a sharp knife. Then clean and dress the electrode surfaces with a small file of the distributor point type. File the gap area so as to secure positively flat parallel surfaces on both center and side electrodes. Using a feeler gauge, gap the plug at the recommended setting. If a motor has a tendency to foul out on one plug, set that plug gap a little greater.

Before replacing a plug, check the gasket to see that it is not damaged or compressed out of shape. Replace the gasket whenever possible. Recommended torque readings for 14 mm. plugs in aluminum heads are: 23-27 ft. - lbs. or 280-324 in. - lbs. For 18 mm plugs, 28-34 ft. - lbs. or 336-408 ins. - lbs.

If a torque wrench is not available, screw the plug in finger tight and then tighten with a wrench, 3/4 turn when using a new gasket and 1/4 turn when using an old gasket.

If a motor is known to be hard on spark plugs, you might try a trick used by some of the old timers. Put a mark on the outside body of the plug to show where the outside electrode attaches to the body. Then screw in the plug so that the mark is downward. It may be necessary to use a new gasket or an old compressed gasket before the plug will be properly positioned within reasonable limits of tightness. Using this method results in the outside electrode pointing upward, which allows any oil or gas in the gap to run down the outside electrode, leaving the gap open and free of carbon deposits that would otherwise appear.



*Dressing the gap.*



“J” TYPE



REGULAR

#### SPARK PLUG RECOMMENDATIONS

MODEL	MAKE	GAP
3.6 and 4 HP	Champion H-10J	0.035
5 HP	Champion H-10J	0.035
7 1/2 HP	Champion H-10J	0.035
10 HP	Champion HT-10J	0.035
16 HP	Champion 5MJ	0.035
30 HP	Champion J-6J	0.025
33 HP	Champion J-6J	*0.030

Formerly, H-10 plugs were recommended for all motors up to 7 1/2 HP. The “J” type plugs, recommended above are the same as the regular type except that the ground electrode is cut back to the center line of the plug. The resulting greater spark exposure encourages easier starting, gives better idling performance and lessens the tendency to foul the gap, in 2 cycle engines.

The HT-10J plug, recommended for the 10 HP, is a new plug that has a shorter external porcelain. If any other plug is used, be sure there is enough clearance between the head and the skirts to prevent binding or shorting.

\*Gap @ 0.025 if 3655 Magneto is used.

#### COMPARISON CHART FOR OUTBOARD ENGINE SPARK PLUGS

SIZE	RANGE	CHAMPION	A C	AUTO-LITE
18mm	HOT ↑ COLD ↓	J1-15.....	87M, 86M.	B9.....
		6M.....	85M.....	B7X.....
		5M, 5MJ.....	84M.....	B5X.....
		R-7.....	83M.....	
		R-11S.....	82M.....	
14mm	HOT ↑ COLD ↓	J-12J.....	46M.....	A11.....
		J-11J.....	46M.....	A9.....
		J-8J.....	245, 45M.....	A7X.....
		H-10J.....	46L-M.....	AL7X.....
		J-7J.....	44M.....	A6X.....
		J-6J.....	43M.....	
		J-3.....		A5X.....

Note: When Marine Engines are operated in extremely cold water it may be desirable to use a Hotter Type Spark Plug to avoid fouling.



## 30 & 33 HP MODIFICATIONS

### MAGNETO STOP

On all 30 and 33 HP motors being repaired in your service department the following modifications should be made.

First, make certain the first tooth on the magneto stator gear is located between the first and second tooth on pinion gear. Then drill .125 hole (1/8" drill) 7/16 deep and press in 3335-3662 pin, when the 38° arrow on control cam (3645-4618) is in this position. (See Figure 1). If there isn't a 38° mark on cam, measure 3/4" from end of cam to front side of Limit Beam Guide. (See Figure 2).

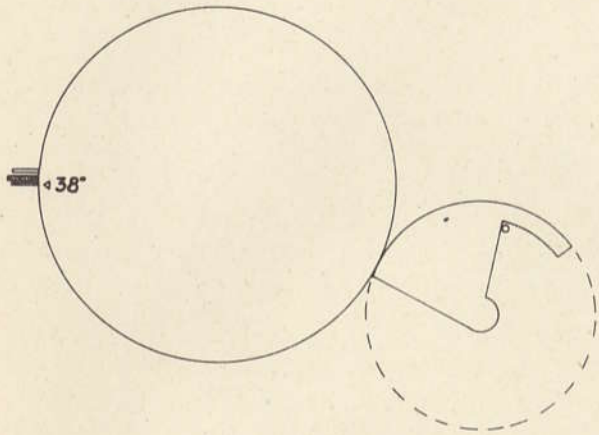


Fig. # 1

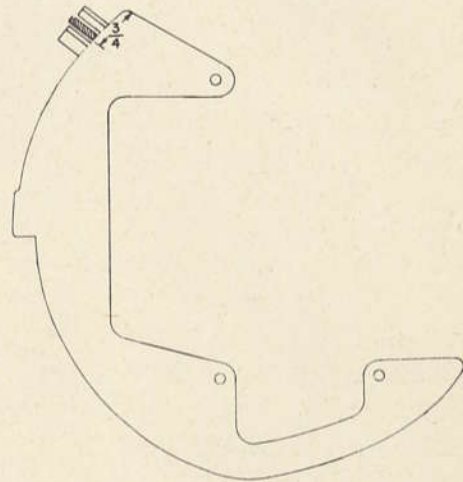
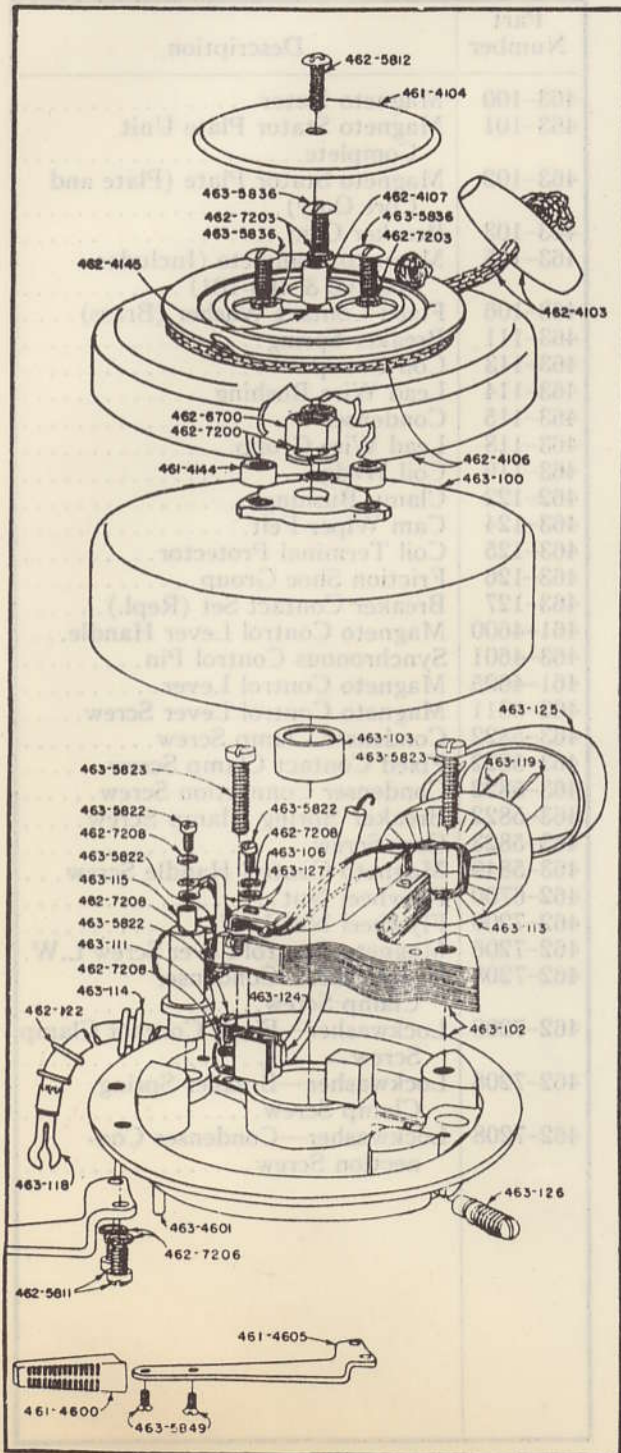


Fig. # 2

This modification prevents over advancement of the spark which results in the piston overheating.



## WICO MAGNETO MODEL 461

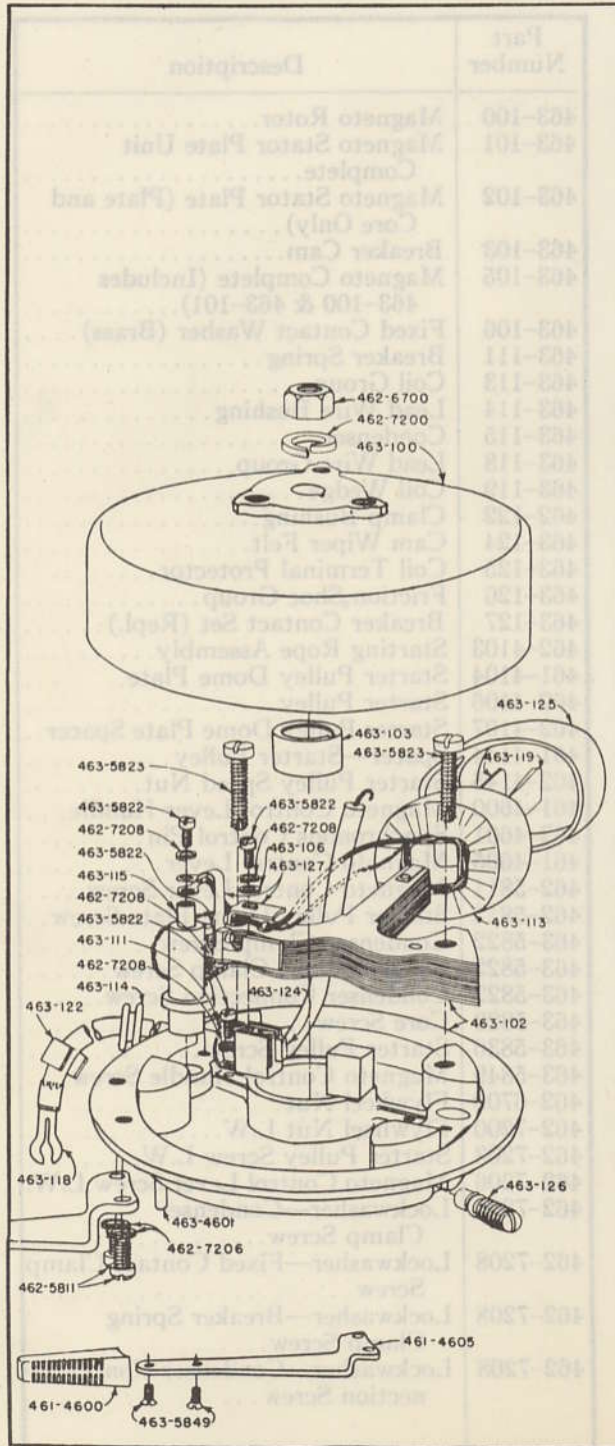


Part Number	Description
463-100	Magneto Rotor.....
463-101	Magneto Stator Plate Unit Complete.....
463-102	Magneto Stator Plate (Plate and Core Only).....
463-103	Breaker Cam.....
463-105	Magneto Complete (Includes 463-100 & 463-101).....
463-106	Fixed Contact Washer (Brass).....
463-111	Breaker Spring.....
463-113	Coil Group.....
463-114	Lead Wire Bushing.....
463-115	Condenser.....
463-118	Lead Wire Group.....
463-119	Coil Wedge.....
462-122	Clamp Bushing.....
463-124	Cam Wiper Felt.....
463-125	Coil Terminal Protector.....
463-126	Friction Shoe Group.....
463-127	Breaker Contact Set (Repl.).....
462-4103	Starting Rope Assembly.....
461-4104	Starter Pulley Dome Plate.....
462-4106	Starter Pulley.....
462-4107	Starter Pulley Dome Plate Spacer.....
461-4144	Spacer—Starter Pulley.....
462-4145	Starter Pulley Speed Nut.....
461-4600	Magneto Control Lever Handle.....
463-4601	Synchronous Control Pin.....
461-4605	Magneto Control Lever.....
462-5811	Magneto Control Lever Screw.....
462-5812	Starter Pulley Dome Plate Screw.....
463-5822	Condenser Clamp Screw.....
463-5822	Fixed Contact Clamp Screw.....
463-5822	Condenser Connection Screw.....
463-5823	Core Screw.....
463-5836	Starter Pulley Screw.....
463-5849	Magneto Control Handle Screw.....
462-6700	Flywheel Nut.....
462-7200	Flywheel Nut L.W.....
462-7203	Starter Pulley Screw L.W.....
462-7206	Magneto Control Lever Screw L.W.....
462-7208	Lockwasher—Condenser Clamp Screw.....
462-7208	Lockwasher—Fixed Contact Clamp Screw.....
462-7208	Lockwasher—Breaker Spring Clamp Screw.....
462-7208	Lockwasher—Condenser Connection Screw.....



# WICO MAGNETO

## MODEL 467

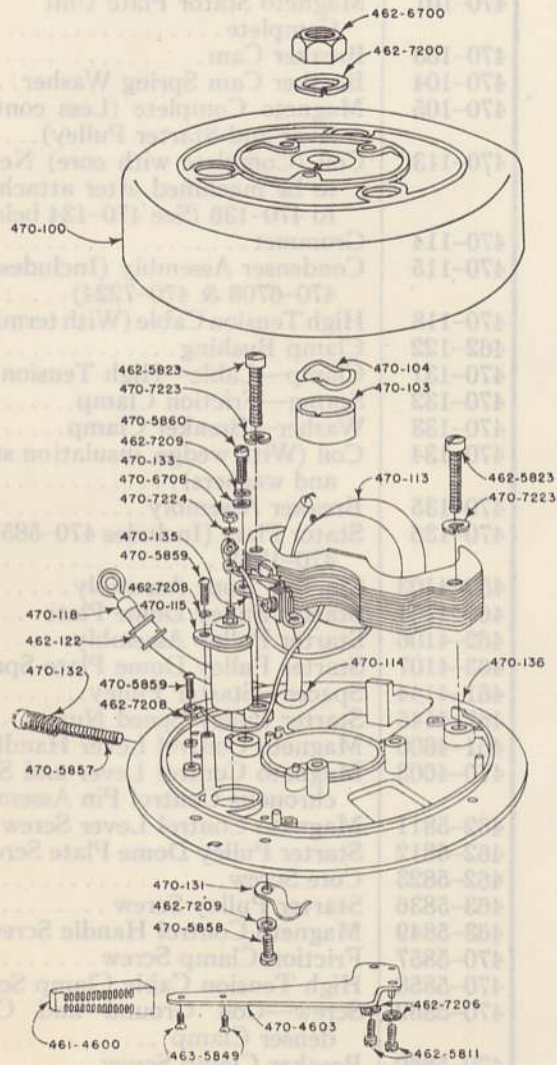


Part Number	Description
463-100	Magneto Rotor
463-101	Magneto Stator Plate Unit Complete
463-102	Magneto Stator Plate (Plate and Core Only)
463-103	Breaker Cam
463-105	Magneto Complete (Includes 463-100 & 463-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
463-118	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Repl.)
461-4600	Magneto Control Lever Handle
463-4601	Synchronous Control Pin
461-4605	Magneto Control Lever
462-5811	Magneto Control Lever Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
463-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7206	Magneto Control Lever Screw L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw



EISEMAN MAGNETO  
MODEL 470

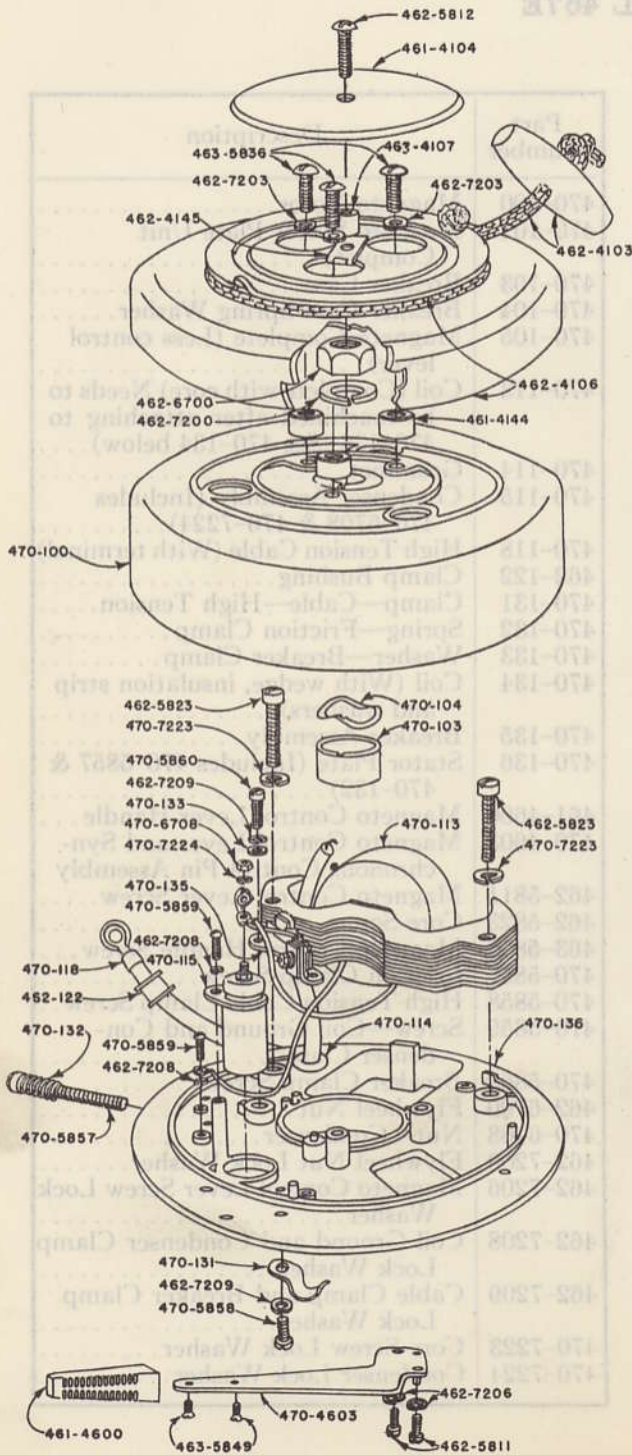
EISEMAN MAGNETO  
MODEL 467E



Part Number	Description
470-100	Magneto Rotor.....
470-101	Magneto Stator Plate Unit Complete.....
470-103	Breaker Cam.....
470-104	Breaker Cam Spring Washer.....
470-105	Magneto Complete (Less control lever).....
470-113	Coil (Complete with core) Needs to be machined after attaching to 470-136 (See 470-134 below).....
470-114	Grommet.....
470-115	Condenser Assembly (Includes 470-6708 & 470-7224).....
470-118	High Tension Cable (With terminal) Clamp Bushing.....
462-122	Clamp—Cable—High Tension.....
470-131	Clamp—Cable—High Tension.....
470-132	Spring—Friction Clamp.....
470-133	Washer—Breaker Clamp.....
470-134	Coil (With wedge, insulation strip and washers).....
470-135	Breaker Assembly.....
470-136	Stator Plate (Includes 470-5857 & 470-132).....
461-4600	Magneto Control Lever Handle...
470-4603	Magneto Control Lever and Synchronous Control Pin Assembly
462-5811	Magneto Control Lever Screw.....
462-5823	Core Screw.....
463-5849	Magneto Control Handle Screw...
470-5857	Friction Clamp Screw.....
470-5858	High Tension Cable Clamp Screw...
470-5859	Screw—Coil Ground and Condenser Clamp.....
470-5860	Breaker Clamp Screw.....
462-6700	Flywheel Nut.....
470-6708	Nut—Condenser.....
462-7200	Flywheel Nut Lock Washer.....
462-7206	Magneto Control Lever Screw Lock Washer.....
462-7208	Coil Ground and Condenser Clamp Lock Washer.....
462-7209	Cable Clamp and Breaker Clamp Lock Washer.....
470-7223	Core Screw Lock Washer.....
470-7224	Condenser Lock Washer.....



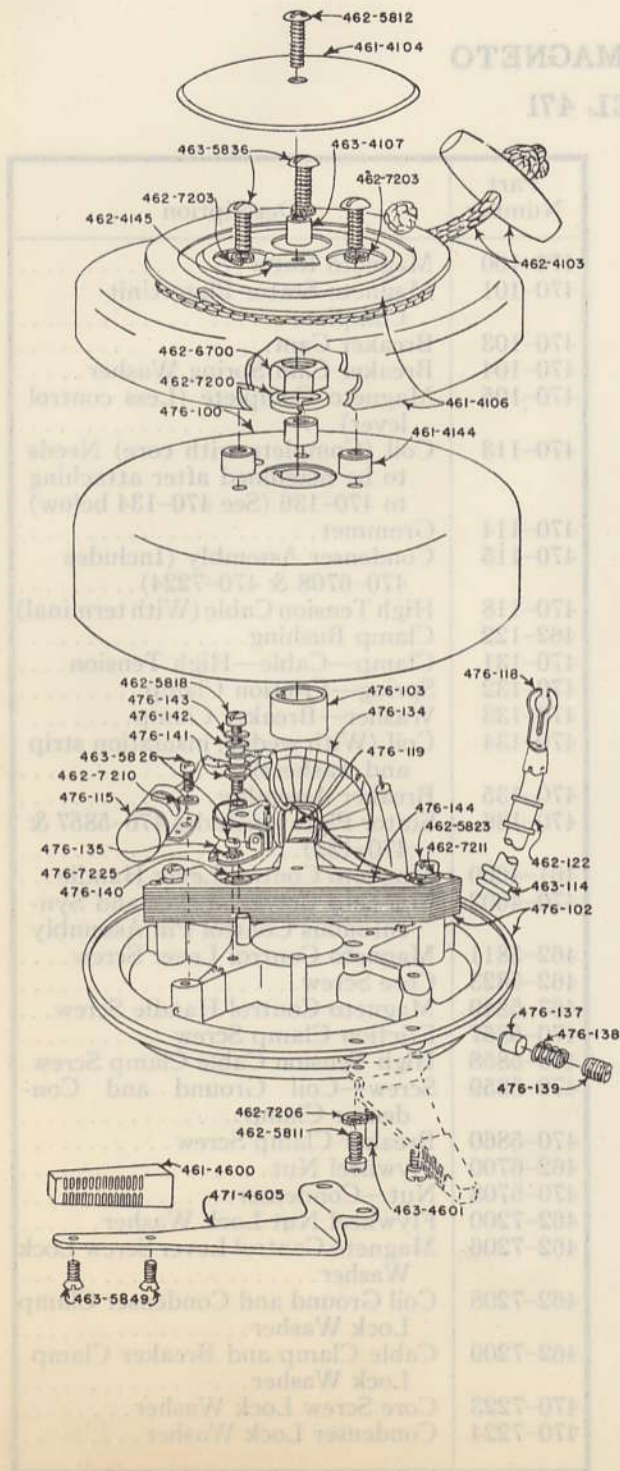
## EISEMAN MAGNETO MODEL 470



Part Number	Description
470-100	Magneto Rotor . . . . .
470-101	Magneto Stator Plate Unit Complete . . . . .
470-103	Breaker Cam . . . . .
470-104	Breaker Cam Spring Washer . . . . .
470-105	Magneto Complete (Less control lever and Starter Pulley) . . . . .
470-113	Coil (Complete with core) Needs to be machined after attaching to 470-136 (See 470-134 below) . . . . .
470-114	Grommet . . . . .
470-115	Condenser Assembly (Includes 470-6708 & 470-7224) . . . . .
470-118	High Tension Cable (With terminal) . . . . .
462-122	Clamp Bushing . . . . .
470-131	Clamp—Cable—High Tension . . . . .
470-132	Spring—Friction Clamp . . . . .
470-133	Washer—Breaker Clamp . . . . .
470-134	Coil (With wedge, insulation strip and washers) . . . . .
470-135	Breaker Assembly . . . . .
470-136	Stator Plate (Includes 470-5857 & 470-132) . . . . .
462-4103	Starting Rope Assembly . . . . .
461-4104	Starter Pulley Dome Plate . . . . .
462-4106	Starter Pulley Assembly . . . . .
463-4107	Starter Pulley Dome Plate Spacer . . . . .
461-4144	Spacer—Starter Pulley . . . . .
462-4145	Starter Pulley Speed Nut . . . . .
461-4600	Magneto Control Lever Handle . . . . .
470-4603	Magneto Control Lever and Synchronous Control Pin Assembly . . . . .
462-5811	Magneto Control Lever Screw . . . . .
462-5812	Starter Pulley Dome Plate Screw . . . . .
462-5823	Core Screw . . . . .
463-5836	Starter Pulley Screw . . . . .
463-5849	Magneto Control Handle Screw . . . . .
470-5857	Friction Clamp Screw . . . . .
470-5858	High Tension Cable Clamp Screw . . . . .
470-5859	Screw—Coil Ground and Condenser Clamp . . . . .
470-5860	Breaker Clamp Screw . . . . .
462-6700	Flywheel Nut . . . . .
470-6708	Nut—Condenser . . . . .
462-7200	Flywheel Nut Lock Washer . . . . .
462-7203	Starter Pulley Screw Lock Washer . . . . .
462-7206	Magneto Control Lever Screw Lock Washer . . . . .
462-7208	Coil Ground and Condenser Clamp Lock Washer . . . . .
462-7209	Cable Clamp and Breaker Clamp Lock Washer . . . . .
470-7223	Core Screw Lock Washer . . . . .
470-7224	Condenser Lock Washer . . . . .



## PHELON MAGNETO MODEL 470P



Part Number	Description
476-100	Flywheel.....
476-101	Stator Plate Assembly—Complete
*476-102	Stator Plate & Core Assembly— Includes Plate, 476-144, 476- 137, 476-138 & 476-139 .....
476-103	Breaker Cam.....
476-105	Magneto Complete—Less Control Lever & 463-4601.....
463-114	Lead Wire Grommet.....
476-115	Condenser.....
476-118	Lead Wire Group.....
476-119	Coil Wedge.....
462-122	Clamp Bushing.....
*476-134	Coil.....
476-135	Breaker Replacement Assembly..
476-137	Friction Plug.....
476-138	Friction Spring.....
476-139	Friction Screw.....
‡476-140	Breaker Spring Insulating Washer.....
‡476-141	Breaker Arm Spring Washer.....
‡476-142	Breaker Arm Insulating Bushing..
‡476-143	Breaker Spring Screw Washer...
*476-144	Core Group.....
462-4103	Starting Rope Assembly.....
461-4104	Starter Pulley Dome Plate.....
461-4106	Starter Pulley Assembly.....
463-4107	Starter Pulley Dome Plate Spacer
461-4144	Spacer—Starter Pulley.....
462-4145	Starter Pulley Speed Nut.....
461-4600	Magneto Control Lever Handle..
463-4601	Synchronous Control Pin.....
471-4605	Magneto Control Lever.....
462-5811	Magneto Control Lever Screw...
462-5812	Starter Pulley Dome Plate Screw
‡462-5818	Breaker Spring Screw.....
462-5823	Core Screw.....
‡463-5826	Fixed Contact & Condenser Screw
463-5836	Starter Pulley Screw.....
463-5849	Magneto Control Handle Screw..
462-6700	Flywheel Nut.....
462-7200	Lock Washer—Flywheel Nut....
462-7203	Lock Washer—Starter Pulley Screw.....
462-7206	Lock Washer—Magneto Control Lever Screw.....
462-7210	Lock Washer—Condenser Screw..
462-7211	Lock Washer—Core Screw.....
‡476-7225	Lock Washer—Fixed Contact Hold Down Screw.....

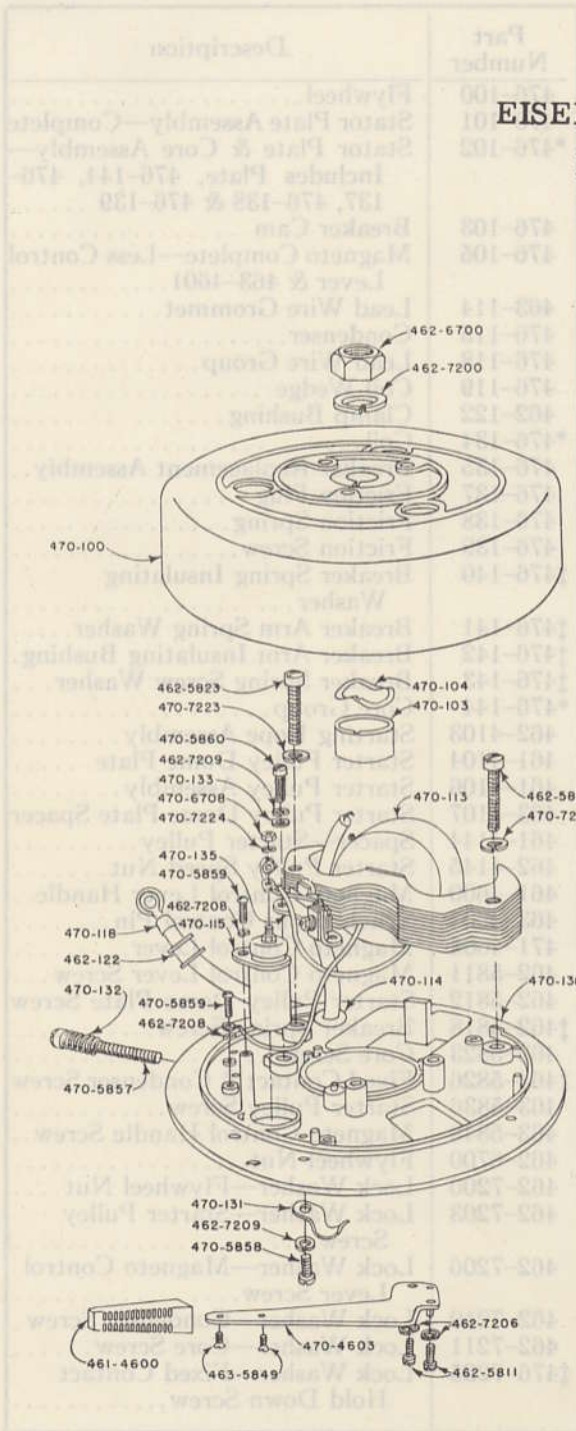
\*Alignment fixture required for locating Core on Stator Plate when replacing Core or Coil.

‡Included in 476-135.



PHILON MAGNETO  
MODEL 470P

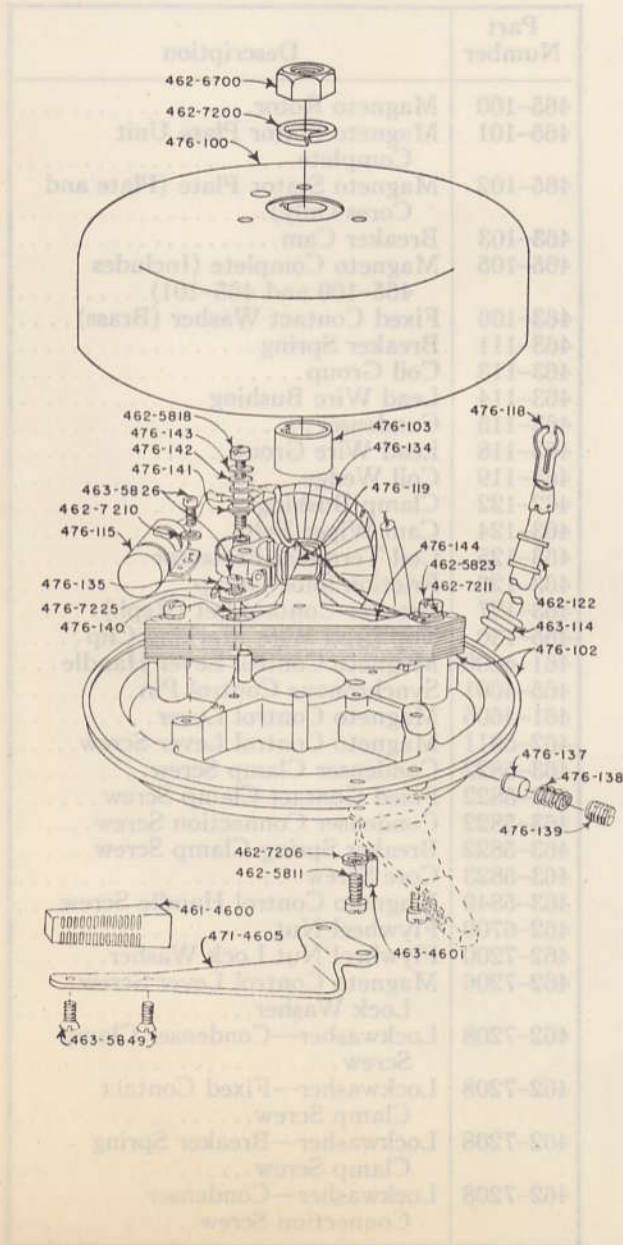
**EISEMAN MAGNETO  
MODEL 471**



Part Number	Description
470-100	Magneto Rotor
470-101	Magneto Stator Plate Unit Complete
470-103	Breaker Cam
470-104	Breaker Cam Spring Washer
470-105	Magneto Complete (Less control lever)
470-113	Coil (Complete with core) Needs to be machined after attaching to 470-136 (See 470-134 below)
470-114	Grommet
470-115	Condenser Assembly (Includes 470-6708 & 470-7224)
470-118	High Tension Cable (With terminal)
462-122	Clamp Bushing
470-131	Clamp—Cable—High Tension
470-132	Spring—Friction Clamp
470-133	Washer—Breaker Clamp
470-134	Coil (With wedge, insulation strip and washers)
470-135	Breaker Assembly
470-136	Stator Plate (Includes 470-5857 & 470-132)
461-4600	Magneto Control Lever Handle
470-4603	Magneto Control Lever and Synchronous Control Pin Assembly
462-5811	Magneto Control Lever Screw
462-5823	Core Screw
463-5849	Magneto Control Handle Screw
470-5857	Friction Clamp Screw
470-5858	High Tension Cable Clamp Screw
470-5859	Screw—Coil Ground and Condenser Clamp
470-5860	Breaker Clamp Screw
462-6700	Flywheel Nut
470-6708	Nut—Condenser
462-7200	Flywheel Nut Lock Washer
462-7206	Magneto Control Lever Screw Lock Washer
462-7208	Coil Ground and Condenser Clamp Lock Washer
462-7209	Cable Clamp and Breaker Clamp Lock Washer
470-7223	Core Screw Lock Washer
470-7224	Condenser Lock Washer



## PHELON MAGNETO MODEL 471P



Part Number	Description
476-100	Flywheel.....
476-101	Stator Plate Assembly—Complete.
*476-102	Stator Plate and Core Assembly— Includes Plate, 476-144, 476-137, 476-138 and 476-139.....
476-103	Breaker Cam.....
476-105	Magneto Complete—Less Control Lever and 463-4601.....
463-114	Lead Wire Grommet.....
476-115	Condenser.....
476-118	Lead Wire Group.....
476-119	Coil Wedge.....
462-122	Clamp Bushing.....
*476-134	Coil.....
476-135	Breaker Replacement Assembly...
476-137	Friction Plug.....
476-138	Friction Spring.....
476-139	Friction Screw.....
†476-140	Breaker Spring Insulating Washer.
†476-141	Breaker Arm Spring Washer.....
†476-142	Breaker Arm Insulating Bushing...
†476-143	Breaker Spring Screw Washer.....
*476-144	Core Group.....
461-4600	Magneto Control Lever Handle...
463-4601	Synchronous Control Pin.....
471-4605	Magneto Control Lever.....
462-5811	Magneto Control Lever Screw....
†462-5818	Breaker Spring Screw.....
462-5823	Core Screw.....
†463-5826	Fixed Contact and Condenser Screw.....
463-5849	Magneto Control Handle Screw...
462-6700	Flywheel Nut.....
462-7200	Lock Washer—Flywheel Nut.....
462-7206	Lock Washer—Magneto Control Lever Screw.....
462-7210	Lock Washer—Condenser Screw...
462-7211	Lock Washer—Core Screw.....
476-7225	Lock Washer—Fixed Contact Hold Down Screw.....

\*Alignment fixture is required for locating Core on Stator Plate when replacing Core or Coil.

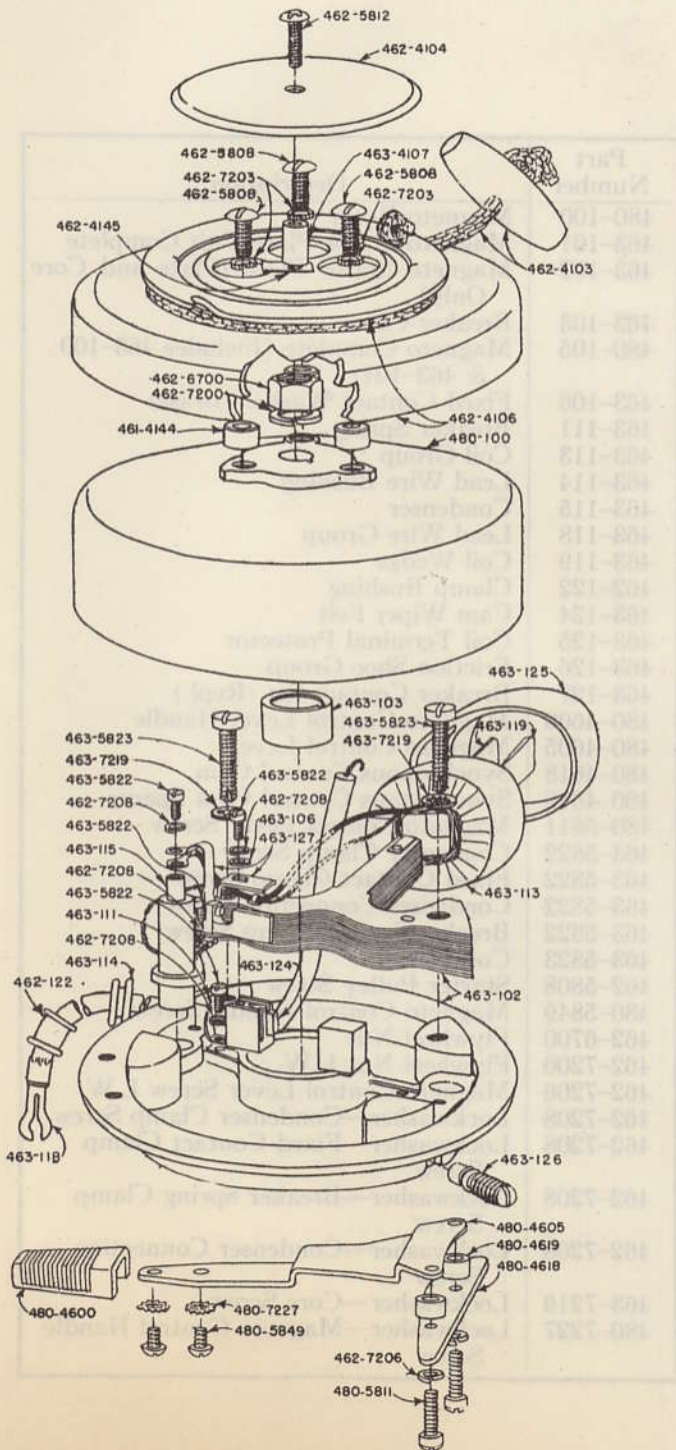
†Included in 476-135.







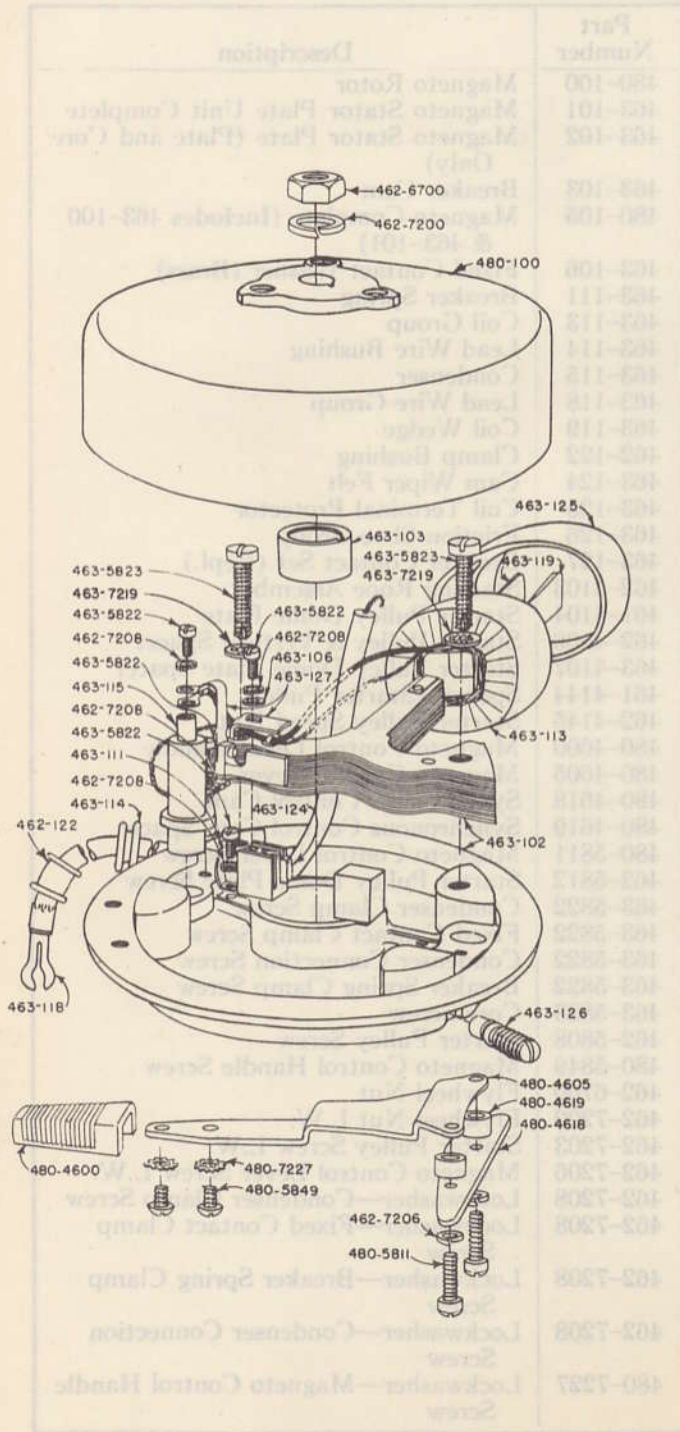
# WICO MAGNETO MODEL 480



Part Number	Description
480-100	Magneto Rotor
463-101	Magneto Stator Plate Unit Complete
463-102	Magneto Stator Plate (Plate and Core Only)
463-103	Breaker Cam
480-105	Magneto Complete (Includes 463-100 & 463-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
463-118	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Repl.)
462-4103	Starting Rope Assembly
461-4104	Starter Pulley Dome Plate
462-4106	Starter Pulley & Vertical Spacer
463-4107	Starter Pulley Dome Plate Spacer
461-4144	Spacer—Starter Pulley
462-4145	Starter Pulley Speed Nut
480-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
480-4618	Synchronous Control Cam
480-4619	Synchronous Control Cam Spacer
480-5811	Magneto Control Lever Screw
462-5812	Starter Pulley Dome Plate Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
462-5808	Starter Pulley Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7203	Starter Pulley Screw L.W.
462-7206	Magneto Control Lever Screw L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
480-7227	Lockwasher—Magneto Control Handle Screw



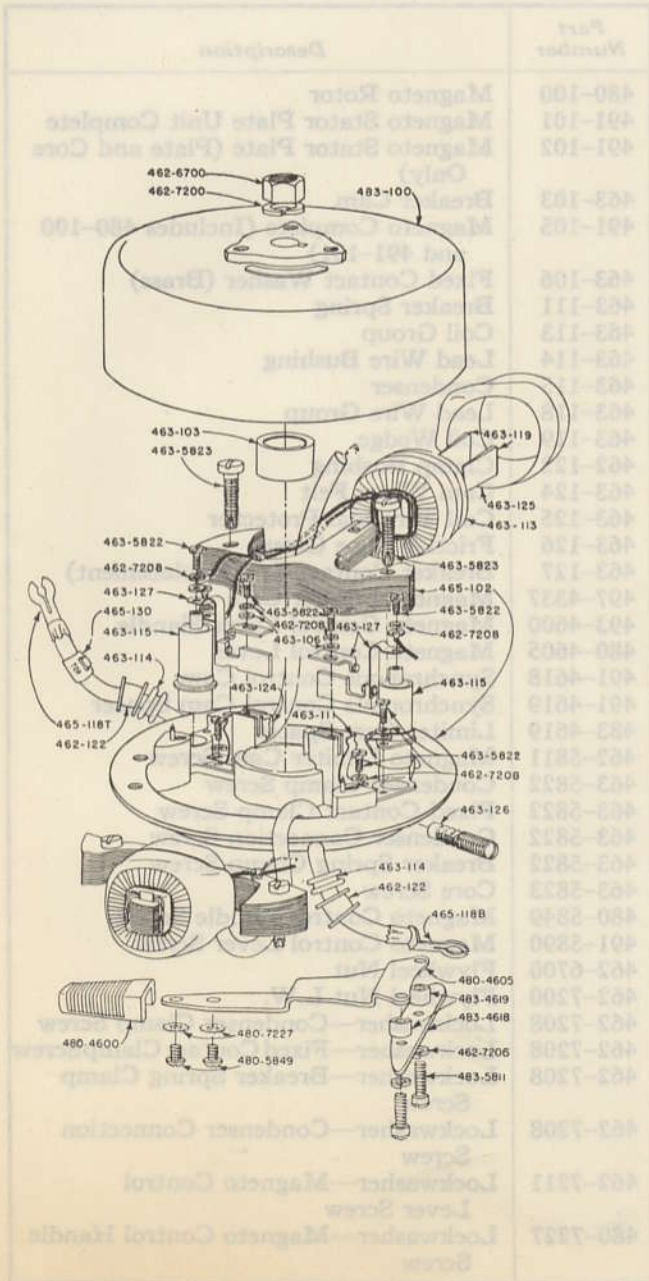
WICO MAGNETO  
MODEL 481



Part Number	Description
480-100	Magneto Rotor
463-101	Magneto Stator Plate Unit Complete
463-102	Magneto Stator Plate (Plate and Core Only)
463-103	Breaker Cam
480-105	Magneto Complete (Includes 463-100 & 463-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
463-118	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Repl.)
480-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
480-4618	Synchronous Control Cam
480-4619	Synchronous Control Cam Spacer
480-5811	Magneto Control Lever Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
462-5808	Starter Pulley Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7206	Magneto Control Lever Screw L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
463-7219	Lockwasher—Core Screw
480-7227	Lockwasher—Magneto Control Handle Screw



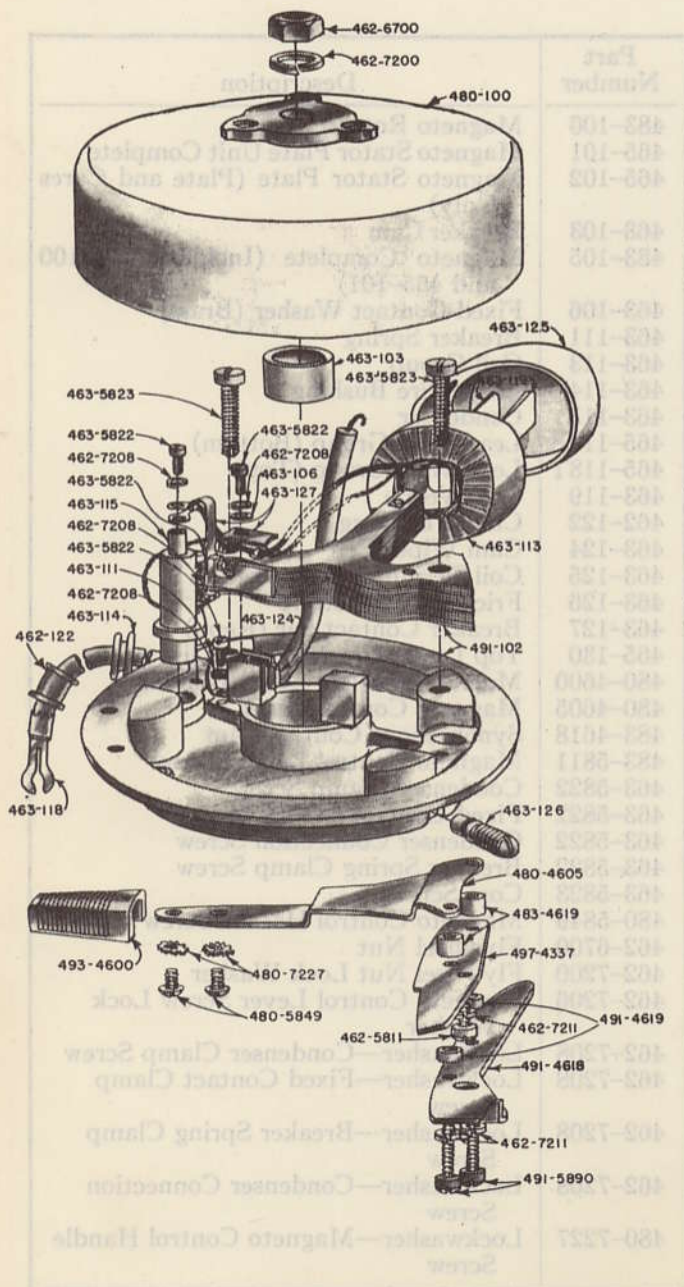
## WICO MAGNETO MODEL 483



Part Number	Description
483-100	Magneto Rotor
465-101	Magneto Stator Plate Unit Complete
465-102	Magneto Stator Plate (Plate and Cores Only)
463-103	Breaker Cam
483-105	Magneto Complete (Includes 483-100 and 465-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
465-118B	Lead Wire Group (Bottom)
465-118T	Lead Wire Group (Top)
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Repl.)
465-130	Top Lead Wire Marking Clip
480-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
483-4618	Synchronous Control Cam
483-5811	Magneto Control Lever Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut Lock Washer
462-7206	Magneto Control Lever Screw Lock Washer
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
480-7227	Lockwasher—Magneto Control Handle Screw



## WICO MAGNETO MODEL 491



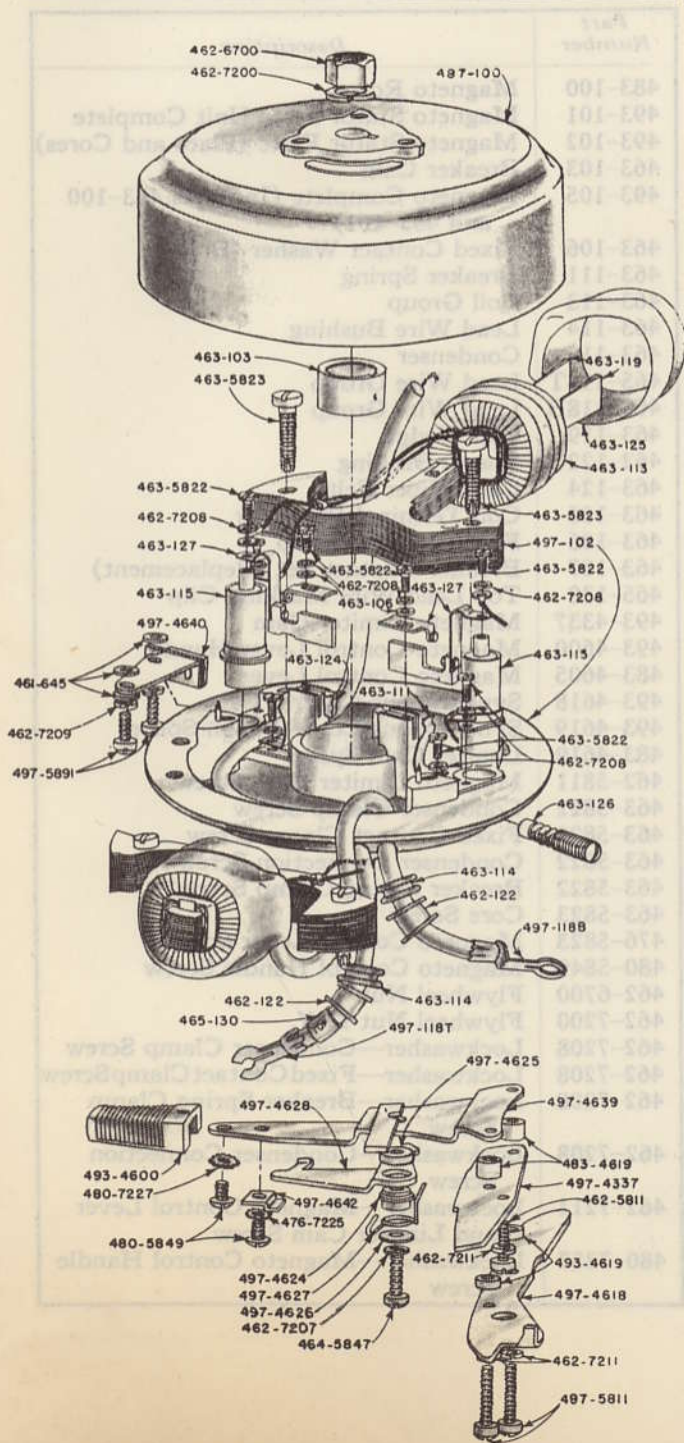
Part Number	Description
480-100	Magneto Rotor
491-101	Magneto Stator Plate Unit Complete
491-102	Magneto Stator Plate (Plate and Core Only)
463-103	Breaker Cam
491-105	Magneto Complete (Includes 480-100 and 491-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
463-118	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Replacement)
497-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
491-4618	Synchronous Control Cam
491-4619	Synchronous Control Cam Spacer
483-4619	Limiter Cam Spacer
462-5811	Magneto Limiter Cam Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
480-5849	Magneto Control Handle Screw
491-5890	Magneto Control Lever Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
462-7211	Lockwasher—Magneto Control Lever Screw
480-7227	Lockwasher—Magneto Control Handle Screw



## WICO MAGNETO MODEL 497

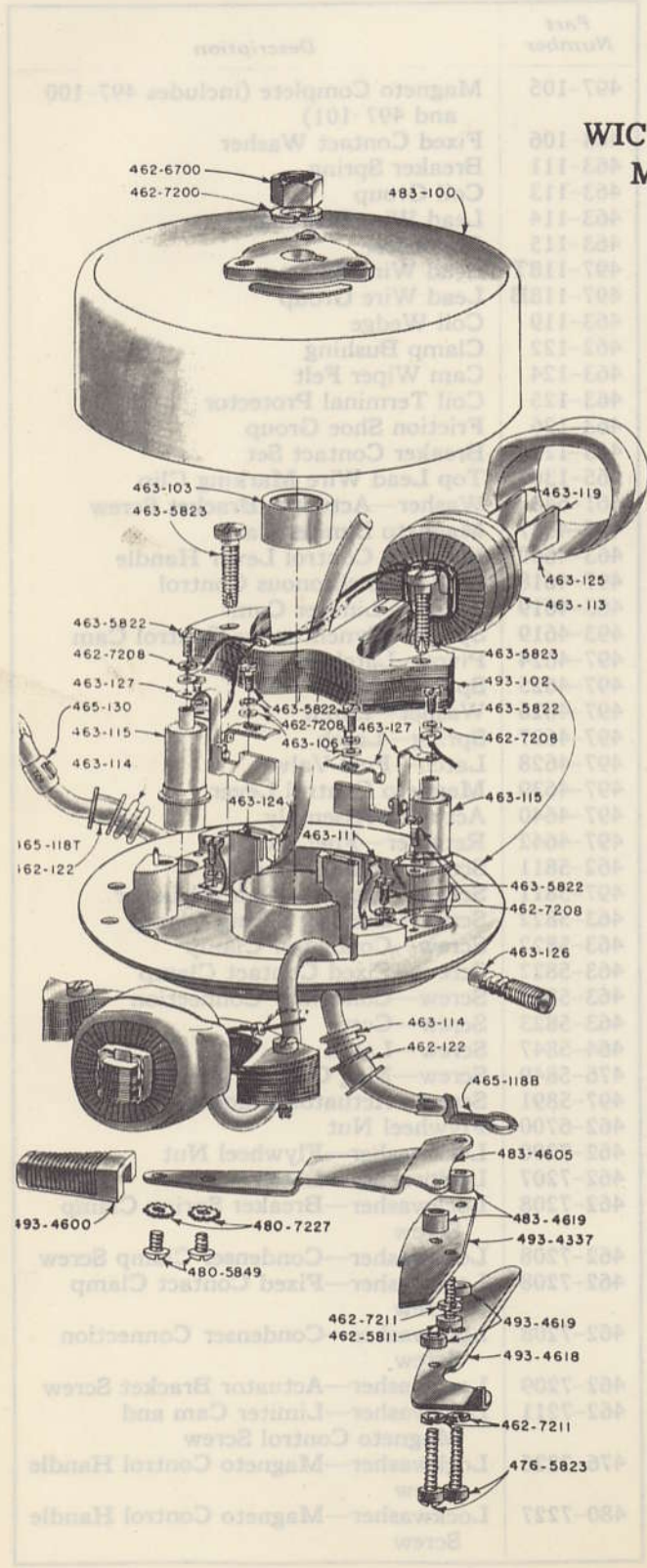
Part Number	Description
497-100	Magneto Rotor
497-101	Magneto Stator Plate Unit Complete
497-102	Magneto Stator Plate (Plate & Cores)
463-103	Breaker Cam

Part Number	Description
497-105	Magneto Complete (includes 497-100 and 497-101)
463-106	Fixed Contact Washer
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
497-118T	Lead Wire Group
497-118B	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
461-645	Washer—Actuator Bracket Screw
497-4337	Magneto Limiter Cam
463-4600	Magneto Control Lever Handle
497-4618	Cam—Synchronous Control
483-4619	Spacer—Limiter Cam
493-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
497-4639	Magneto Control Lever
497-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
462-5811	Screw—Limiter Cam
497-5811	Screw—Magneto Control Lever
463-5822	Screw—Breaker Spring Clamp
463-5822	Screw—Condenser Clamp
463-5822	Screw—Fixed Contact Clamp
463-5822	Screw—Condenser Connection
463-5823	Screw—Core
464-5847	Screw—Latch
476-5849	Screw—Mag Control Handle
497-5891	Screw—Actuator Bracket
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw





WICO MAGNETO  
MODEL 493



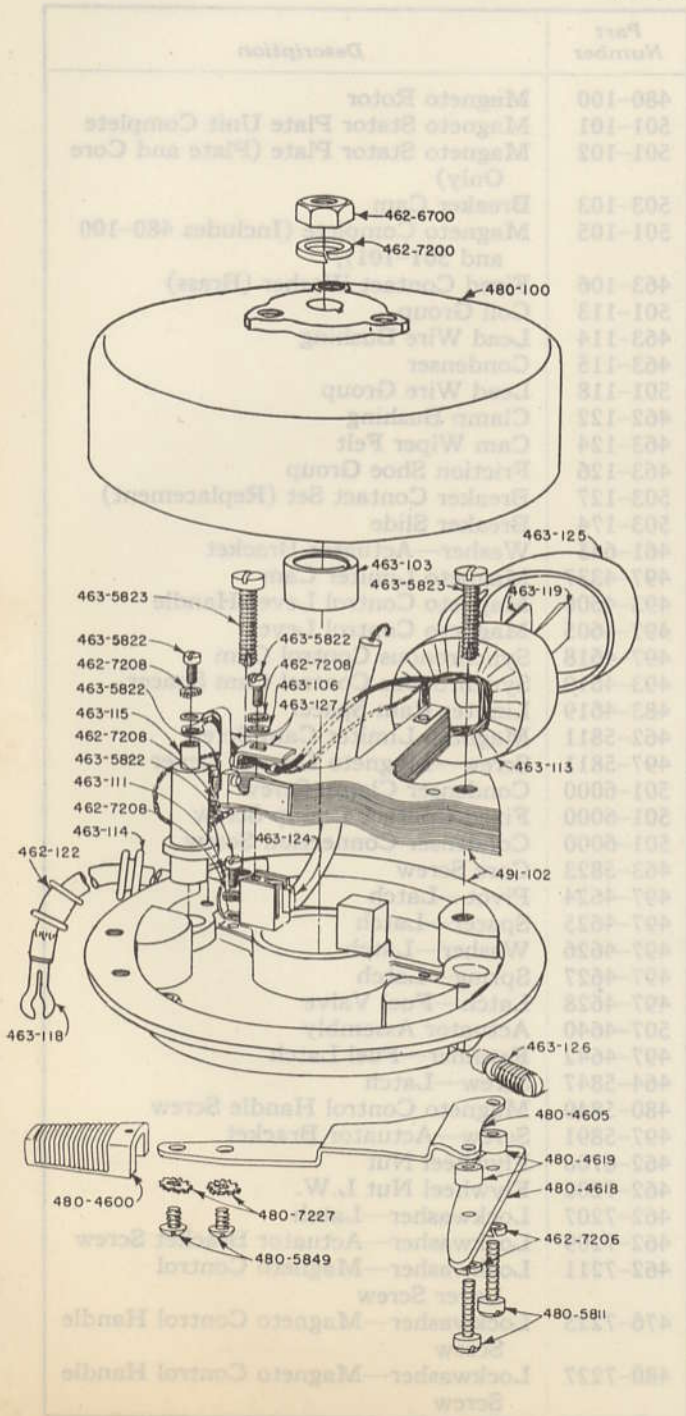
WICO MAGNETO  
MODEL 493

Part Number	Description
483-100	Magneto Rotor
493-101	Magneto Stator Plate Unit Complete
493-102	Magneto Stator Plate (Plate and Cores)
463-103	Breaker Cam
493-105	Magneto Complete (Includes 483-100 and 493-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
465-118T	Lead Wire Group
465-118B	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Replacement)
465-130	Top Lead Wire Marking Clip
493-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
483-4605	Magneto Control Lever
493-4618	Synchronous Control Cam
493-4619	Synchronous Control Cam Spacer
483-4619	Limiter Cam Spacer
462-5811	Magneto Limiter Cam Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
476-5823	Magneto Control Lever Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
462-7211	Lockwasher—Magneto Control Lever and Limiter Cam Screw
480-7227	Lockwasher—Magneto Control Handle Screw



WICO MAGNETO  
MODEL 501

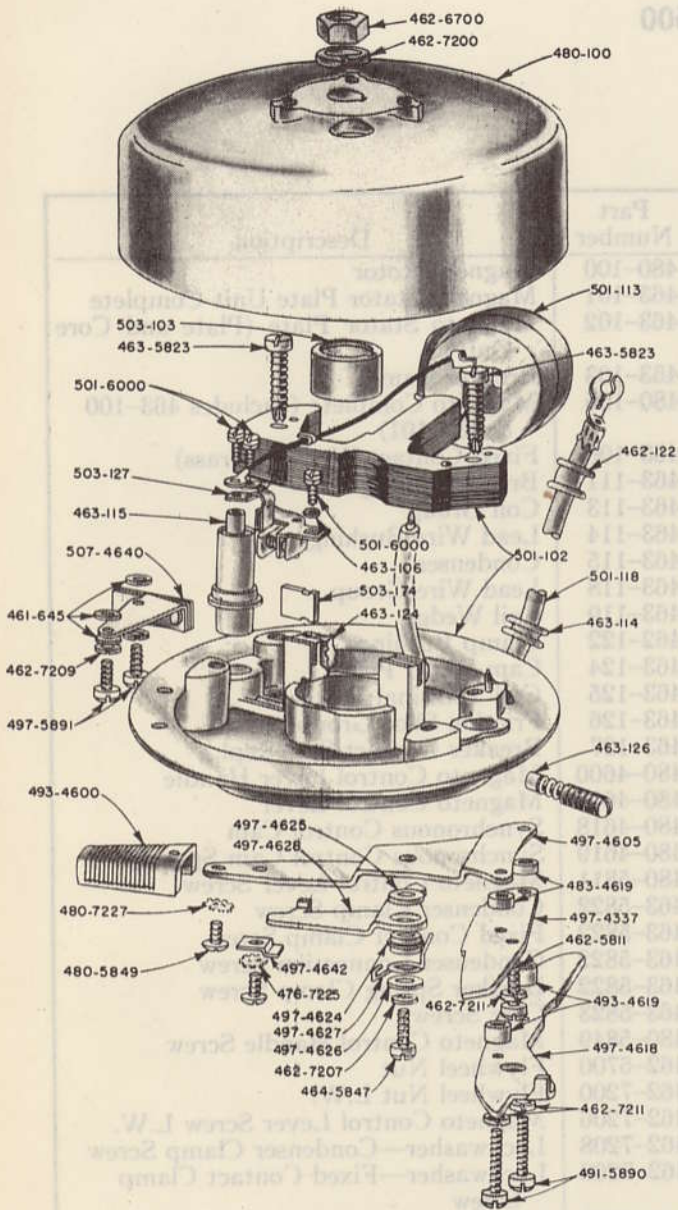
WICO MAGNETO  
MODEL 500



Part Number	Description
480-100	Magneto Rotor
463-101	Magneto Stator Plate Unit Complete
463-102	Magneto Stator Plate (Plate and Core Only)
463-103	Breaker Cam
480-105	Magneto Complete (Includes 463-100 & 463-101)
463-106	Fixed Contact Washer (Brass)
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
463-118	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set (Repl.)
480-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
480-4618	Synchronous Control Cam
480-4619	Synchronous Control Cam Spacer
480-5811	Magneto Control Lever Screw
463-5822	Condenser Clamp Screw
463-5822	Fixed Contact Clamp Screw
463-5822	Condenser Connection Screw
463-5822	Breaker Spring Clamp Screw
463-5823	Core Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7206	Magneto Control Lever Screw L.W.
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
463-7219	Lockwasher—Core Screw
480-7227	Lockwasher—Magneto Control Handle Screw



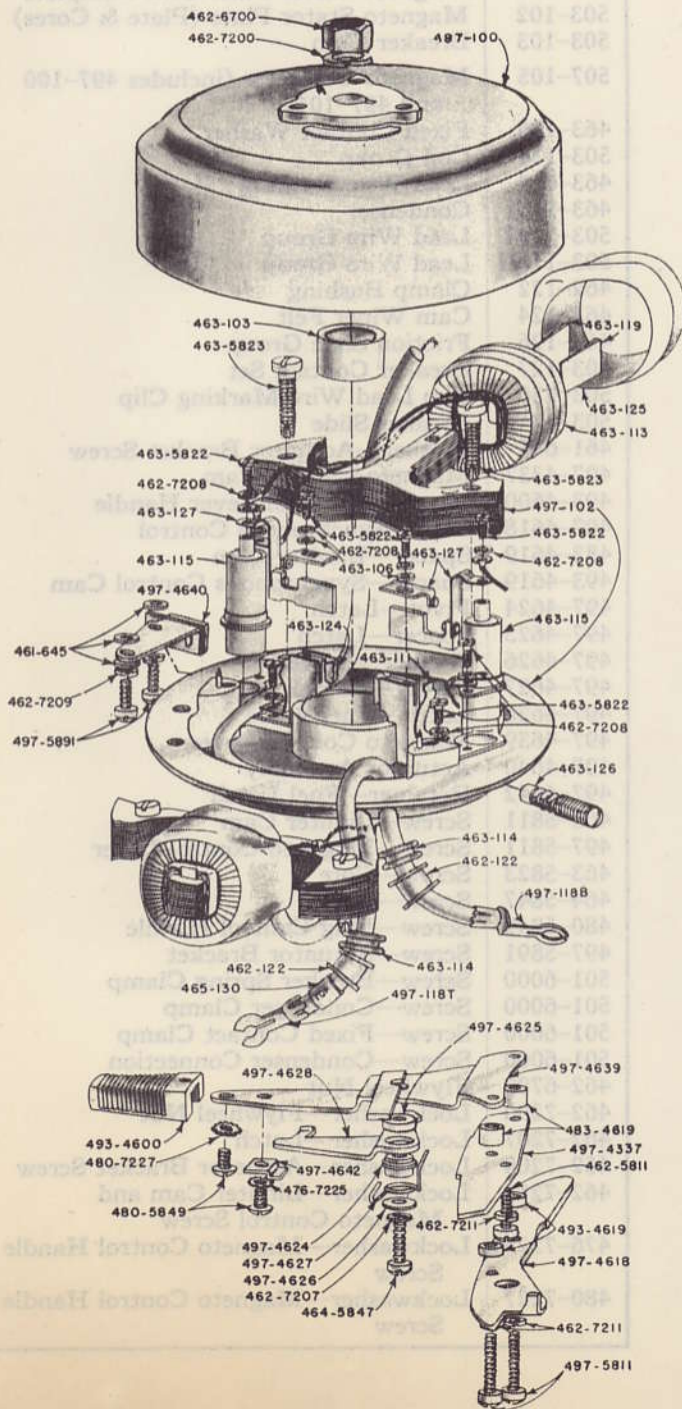
# WICO MAGNETO MODEL 501



Part Number	Description
480-100	Magneto Rotor
501-101	Magneto Stator Plate Unit Complete
501-102	Magneto Stator Plate (Plate and Core Only)
503-103	Breaker Cam
501-105	Magneto Complete (Includes 480-100 and 501-101);
463-106	Fixed Contact Washer (Brass)
501-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
501-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set (Replacement)
503-174	Breaker Slide
461-645	Washer—Actuator Bracket
497-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
497-4605	Magneto Control Lever
497-4618	Synchronous Control Cam
493-4619	Synchronous Control Cam Spacer
483-4619	Limiter Cam Spacer
462-5811	Magneto Limiter Cam Screw
497-5811	Screw—Magneto Control Lever
501-6000	Condenser Clamp Screw
501-6000	Fixed Contact Clamp Screw
501-6000	Condenser Connection Screw
463-5823	Core Screw
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
507-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
464-5847	Screw—Latch
480-5849	Magneto Control Handle Screw
497-5891	Screw—Actuator Bracket
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Magneto Control Lever Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw



**WICO MAGNETO**  
**MODEL 507**  
**(Early models)**

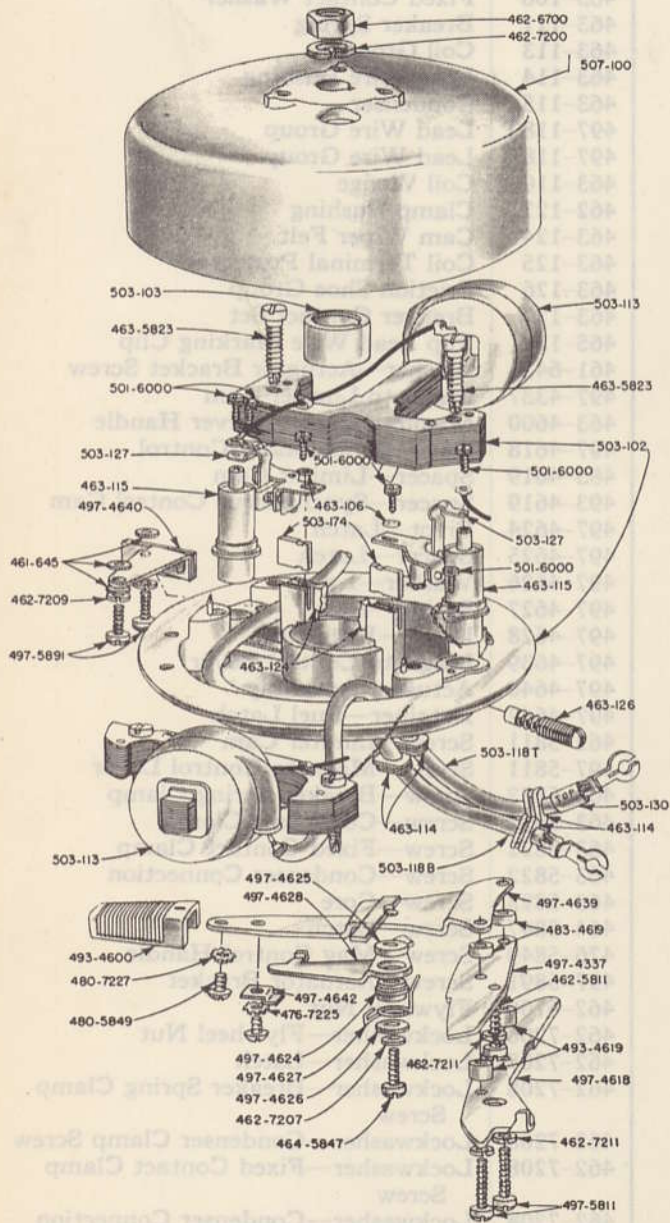


Part Number	Description
497-100	Magneto Rotor
497-101	Magneto Stator Plate Unit Complete
497-102	Magneto Stator Plate (Plate & Cores)
463-103	Breaker Cam
497-105	Magneto Complete (includes 497-100 and 497-101)
463-106	Fixed Contact Washer
463-111	Breaker Spring
463-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
497-118T	Lead Wire Group
497-118B	Lead Wire Group
463-119	Coil Wedge
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-125	Coil Terminal Protector
463-126	Friction Shoe Group
463-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
461-645	Washer—Actuator Bracket Screw
497-4337	Magneto Limiter Cam
463-4600	Magneto Control Lever Handle
497-4618	Cam—Synchronous Control
483-4619	Spacer—Limiter Cam
493-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
497-4639	Magneto Control Lever
497-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
462-5811	Screw—Limiter Cam
497-5811	Screw—Magneto Control Lever
463-5822	Screw—Breaker Spring Clamp
463-5822	Screw—Condenser Clamp
463-5822	Screw—Fixed Contact Clamp
463-5822	Screw—Condenser Connection
463-5823	Screw—Core
464-5847	Screw—Latch
476-5849	Screw—Mag Control Handle
497-5891	Screw—Actuator Bracket
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7208	Lockwasher—Breaker Spring Clamp Screw
462-7208	Lockwasher—Condenser Clamp Screw
462-7208	Lockwasher—Fixed Contact Clamp Screw
462-7208	Lockwasher—Condenser Connection Screw
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw



# WICO MAGNETO

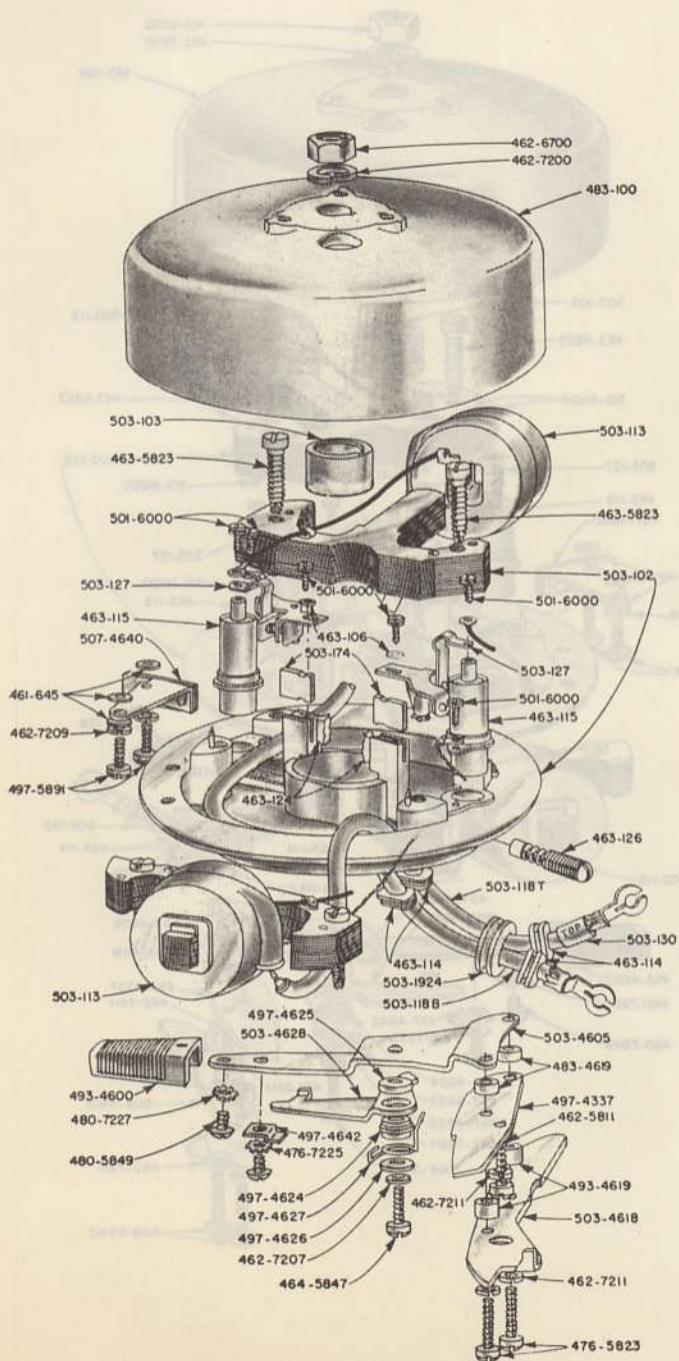
## MODEL 507



Part Number	Description
507-100	Magneto Rotor
503-101	Magneto Stator Plate Unit Complete
503-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
507-105	Magneto Complete (includes 497-100 and 497-101)
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
503-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
497-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
497-4618	Cam—Synchronous Control
483-4619	Spacer—Limiter Cam
493-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
497-4639	Magneto Control Lever
497-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
462-5811	Screw—Limiter Cam
497-5811	Screw—Magneto Control Lever
463-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Fixed Contact Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw



# WICO MAGNETO MODEL 503

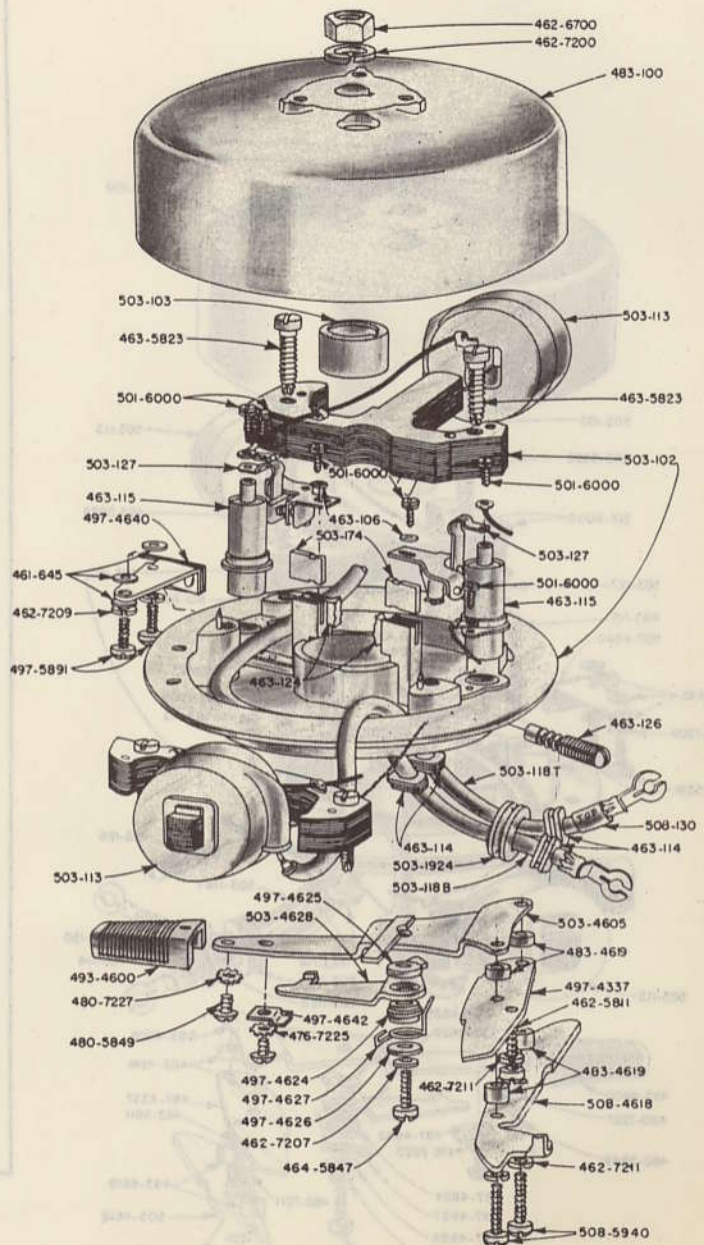


Part Number	Description
483-100	Magneto Rotor
503-101	Magneto Stator Plate Unit Complete
503-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
503-105	Magneto Complete (includes 483-100 and 503-101)
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Groups
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
503-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
503-1924	Grommet—Gas Tank Bracket
497-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
503-4605	Magneto Control Lever
503-4618	Cam—Synchronous Control
483-4619	Spacer—Limiter Cam
493-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
503-4628	Latch—Fuel Valve
507-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
462-5811	Screw—Limiter Cam
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
463-5823	Screw—Core
476-5823	Screw—Magneto Control Lever
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw



# WICO MAGNETO MODEL 518

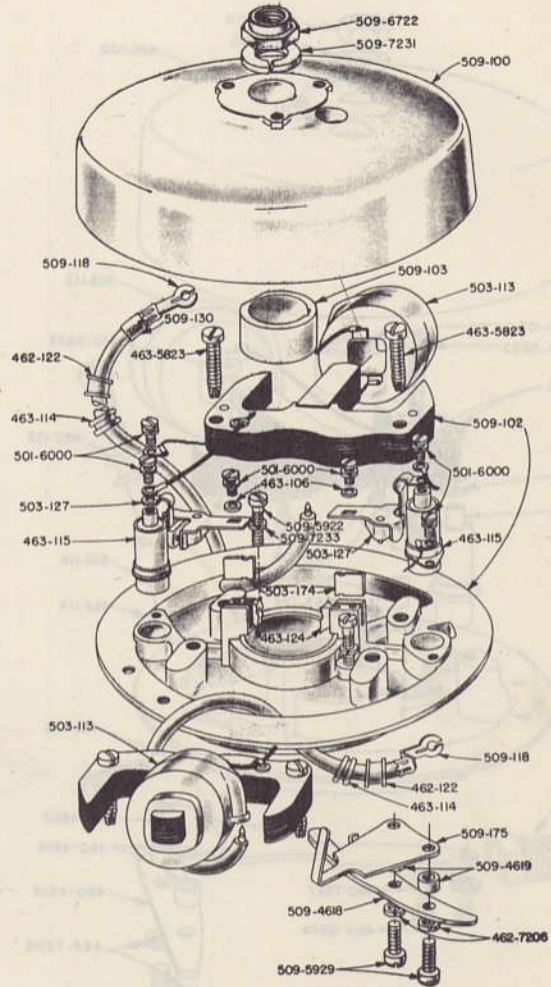
Part Number	Description
483-100	Magneto Rotor
503-101	Magneto Stator Plate Unit Complete
503-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
508-105	Magneto Complete (includes 483-100 and 503-101)
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Groups
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
508-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
503-1924	Grommet—Gas Tank Bracket
497-4337	Magneto Limiter Cam
493-4600	Magneto Control Lever Handle
503-4605	Magneto Control Lever
508-4618	Cam—Synchronous Control
483-4619	Spacer—Limiter Cam
483-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
503-4628	Latch—Fuel Valve
507-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
462-5811	Screw—Limiter Cam
463-4823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
508-5940	Screw—Magneto Control Lever
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw





**WICO MAGNETO  
MODEL 509**

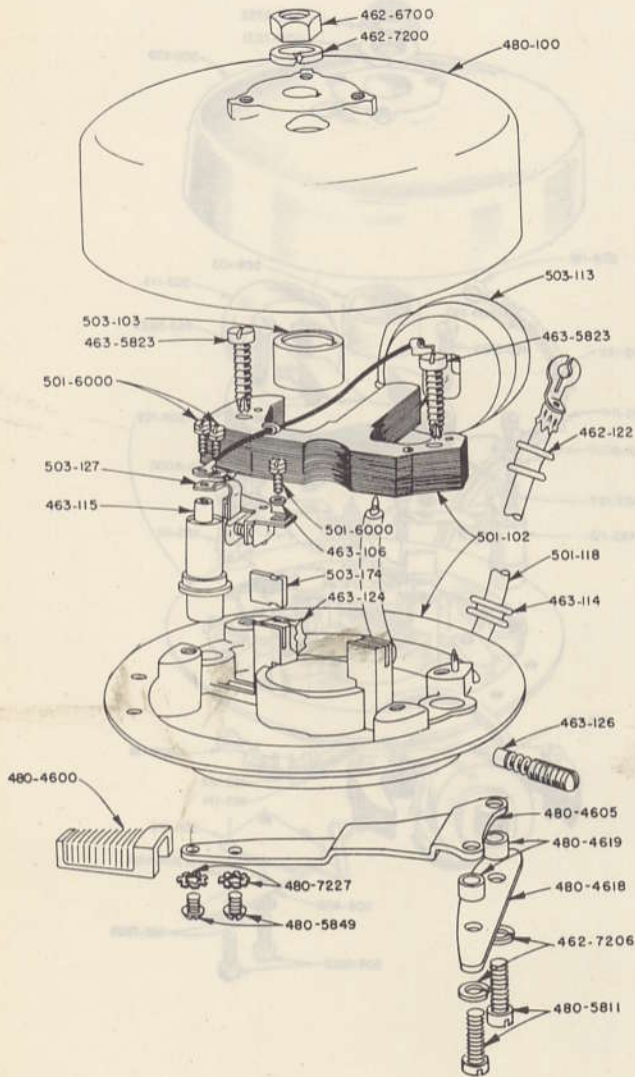
Part Number	Description
509-100	Magneto Rotor
509-101	Magneto Stator Plate Unit Complete
509-102	Magneto Stator Plate (Plate & Cores)
509-103	Breaker Cam
509-105	Magneto Complete
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
509-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
503-127	Breaker Contact Set
509-130	Top Lead Wire Marking Band
503-174	Breaker Slide
509-175	Indicator—Stator Plate
509-4618	Synchronous Control Cam
509-4619	Spacer—Synchronous Control Cam
463-5823	Screw—Core
509-5922	Screw—Stator Plate Gear
509-5929	Screw—Indicator
501-6000	Screw—Fixed Contact Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
509-6722	Nut—Flywheel
462-7206	Lockwasher—Indicator Screw
509-7231	Lockwasher—Flywheel Nut
509-7233	Lockwasher—Stator Plate Gear Screw





# WICO MAGNETO 510

WICO MAGNETO  
MODEL 509

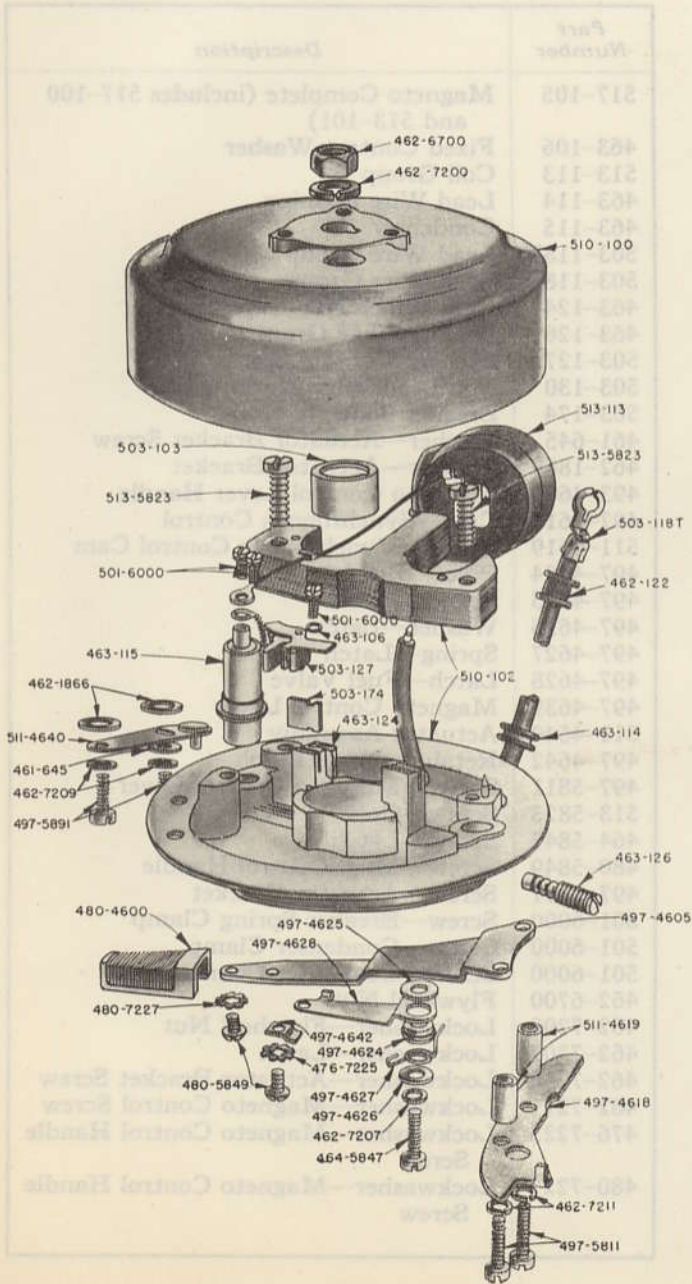


Part Number	Description
480-100	Magneto Rotor
501-101	Magneto Stator Plate Unit Complete
501-102	Magneto Stator Plate (Plate and Core Only)
503-103	Breaker Cam
501-105	Magneto Complete (Includes 480-100 & 501-101)
463-106	Fixed Contact Washer (Brass)
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
501-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set (Repl.)
503-174	Breaker Slide
480-4600	Magneto Control Lever Handle
480-4605	Magneto Control Lever
480-4618	Synchronous Control Cam
480-4619	Synchronous Control Cam Spacer
480-5811	Magneto Control Lever Screw
501-6000	Condenser Clamp Screw
501-6000	Fixed Contact Clamp Screw
501-6000	Condenser Connection Screw
501-6000	Breaker Spring Clamp Screw
463-5823	Core Screw
480-5849	Magneto Control Handle Screw
462-6700	Flywheel Nut
462-7200	Flywheel Nut L.W.
462-7206	Magneto Control Lever Screw L.W.
480-7227	Lockwasher—Magneto Control Handle Screw



# WICO MAGNETO 511

(See next page for Magneto used on early models)

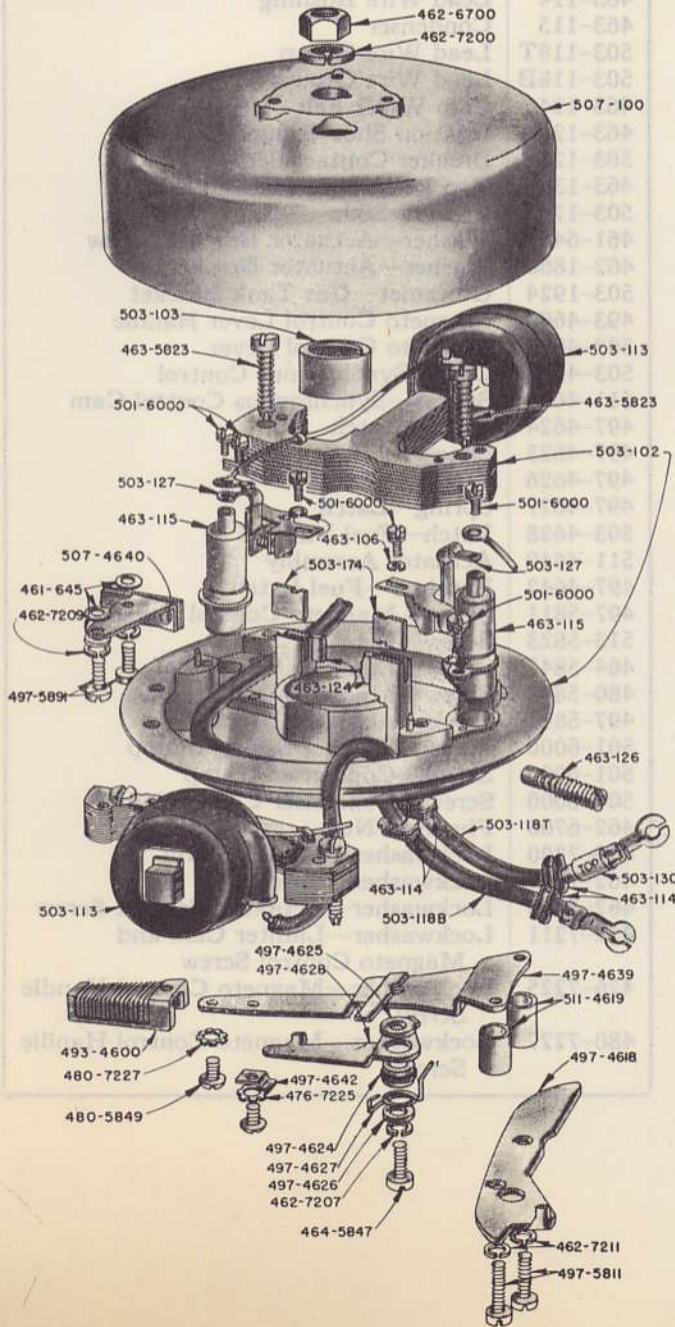


Part Number	Description
510-100	Magneto Rotor
510-101	Magneto Stator Plate Unit Complete
510-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
510-105	Magneto Complete (includes 510-100 and 510-101)
463-106	Fixed Contact Washer
513-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
462-1866	Washer—Actuator Bracket
480-4600	Magneto Control Lever Handle
497-4605	Magneto Control Lever
497-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
511-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
513-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw



# WICO MAGNETO 517 (Early Models)

Part Number	Description
507-100	Magneto Rotor
503-101	Magneto Stator Plate Unit Complete
503-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam



Part Number	Description
507-105	Magneto Complete (includes 507-100 and 503-101)
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Group
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
503-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
462-1866	Washer—Actuator Bracket
493-4600	Magneto Control Lever Handle
497-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
497-4639	Magneto Control Lever
507-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
463-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw

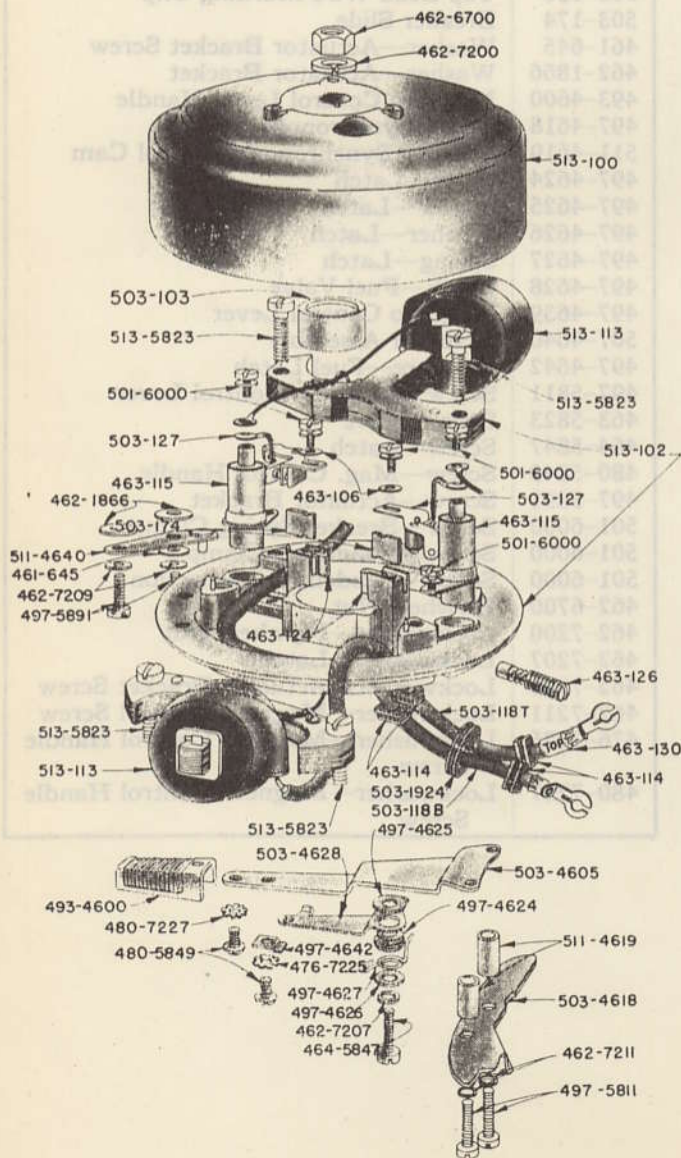


# WICO MAGNETO 513

(See next page for Magneto used on early models)

Part Number	Description
513-100	Magneto Rotor
513-101	Magneto Stator Plate Unit Complete
513-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam

Part Number	Description
513-105	Magneto Complete (includes 513-100 and 513-101)
463-106	Fixed Contact Washer
513-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Groups
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
463-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
462-1866	Washer—Actuator Bracket
503-1924	Grommet—Gas Tank Bracket
493-4600	Magneto Control Lever Handle
503-4605	Magneto Control Lever
503-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
503-4628	Latch—Fuel Valve
511-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
513-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw

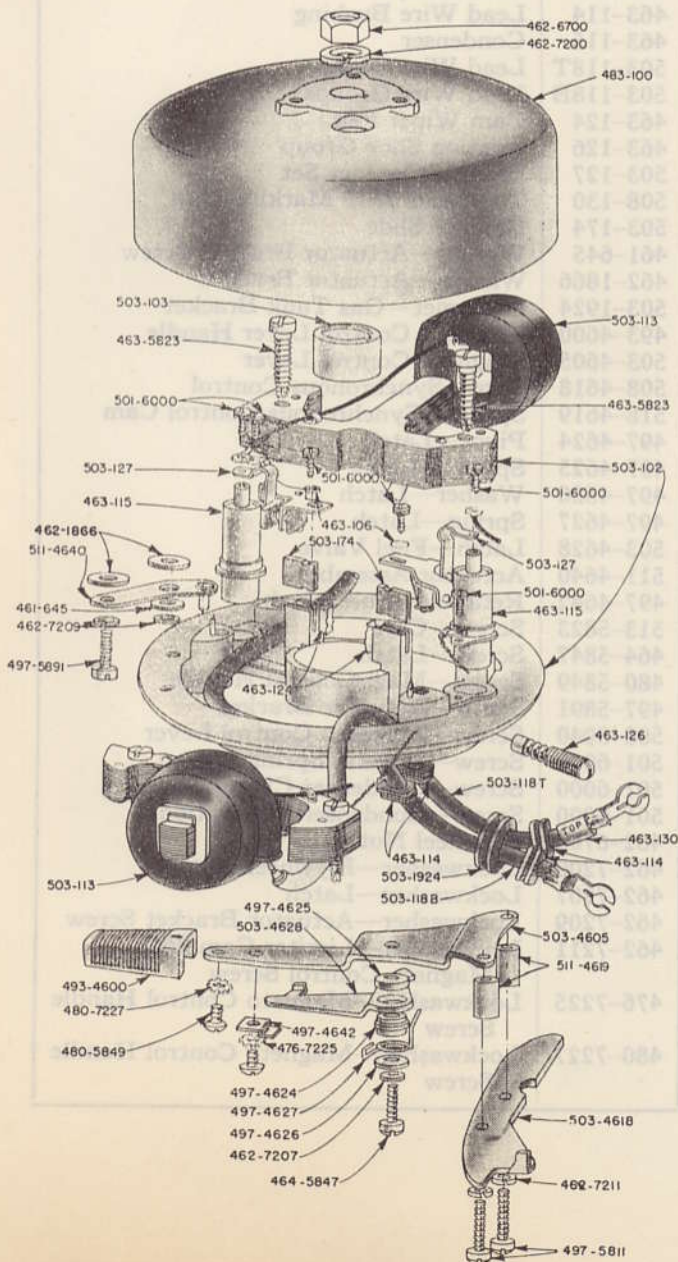




# WICO MAGNETO 513 (Early Models)

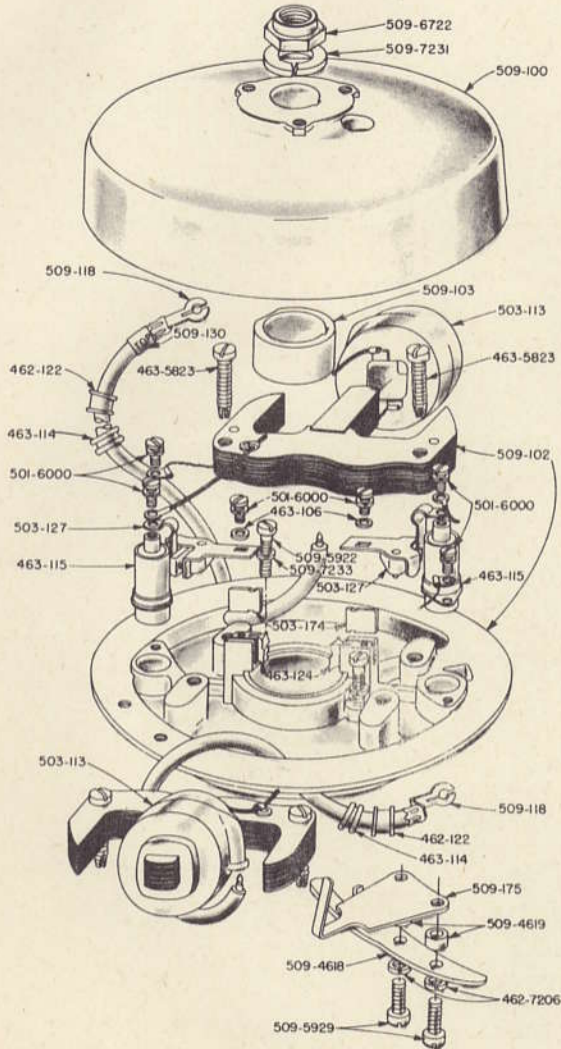
Part Number	Description
483-100	Magneto Rotor
503-101	Magneto Stator Plate Unit Complete
503-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam

Part Number	Description
503-105	Magneto Complete (includes 483-100 and 503-101)
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
503-118T	Lead Wire Group
503-118B	Lead Wire Groups
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
463-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
461-645	Washer—Actuator Bracket Screw
462-1866	Washer—Actuator Bracket
503-1924	Grommet—Gas Tank Bracket
493-4600	Magneto Control Lever Handle
503-4605	Magneto Control Lever
503-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
503-4628	Latch—Fuel Valve
511-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
463-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Limiter Cam and Magneto Control Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw





# WICO MAGNETO 519



<i>Part Number</i>	<i>Description</i>
509-100	Magneto Rotor
509-101	Magneto Stator Plate Unit Complete
509-102	Magneto Stator Plate (Plate & Cores)
509-103	Breaker Cam
509-105	Magneto Complete
463-106	Fixed Contact Washer
503-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
509-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
503-127	Breaker Contact Set
509-130	Top Lead Wire Marking Band
503-174	Breaker Slide
509-175	Indicator—Stator Plate
509-4618	Synchronous Control Cam
509-4619	Spacer—Synchronous Control Cam
463-5823	Screw—Core
509-5922	Screw—Stator Plate Gear
509-5929	Screw—Indicator
501-6000	Screw—Fixed Contact Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
509-6722	Nut—Flywheel
462-7206	Lockwasher—Indicator Screw
509-7231	Lockwasher—Flywheel Nut
509-7233	Lockwasher—Stator Plate Gear Screw

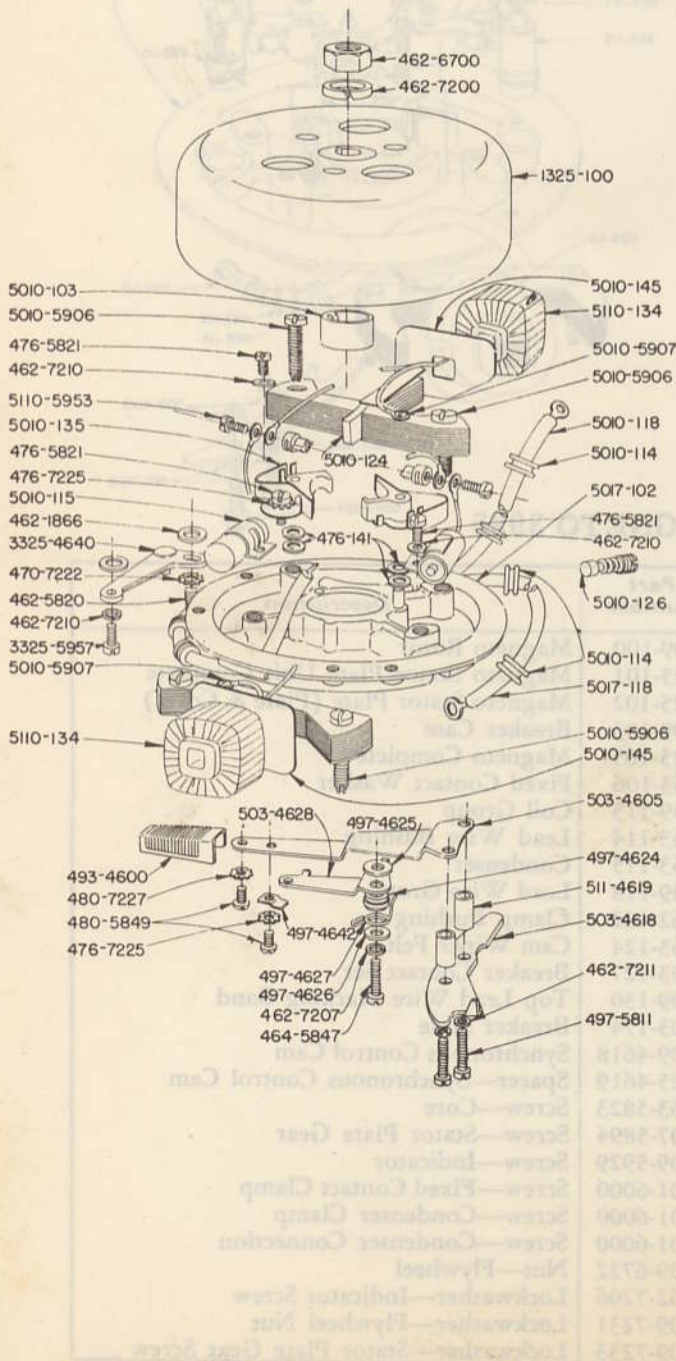


MAGNETO 3725 - See Page P23

MAGNETO 3825 - See Page P27

MAGNETO 3325

Part Number	Description
1325-100	Magneto Rotor
1325-101	Magneto Stator Plate Unit Complete
5017-102	Magneto Stator Plate (Plate & Cores)
5010-103	Breaker Cam

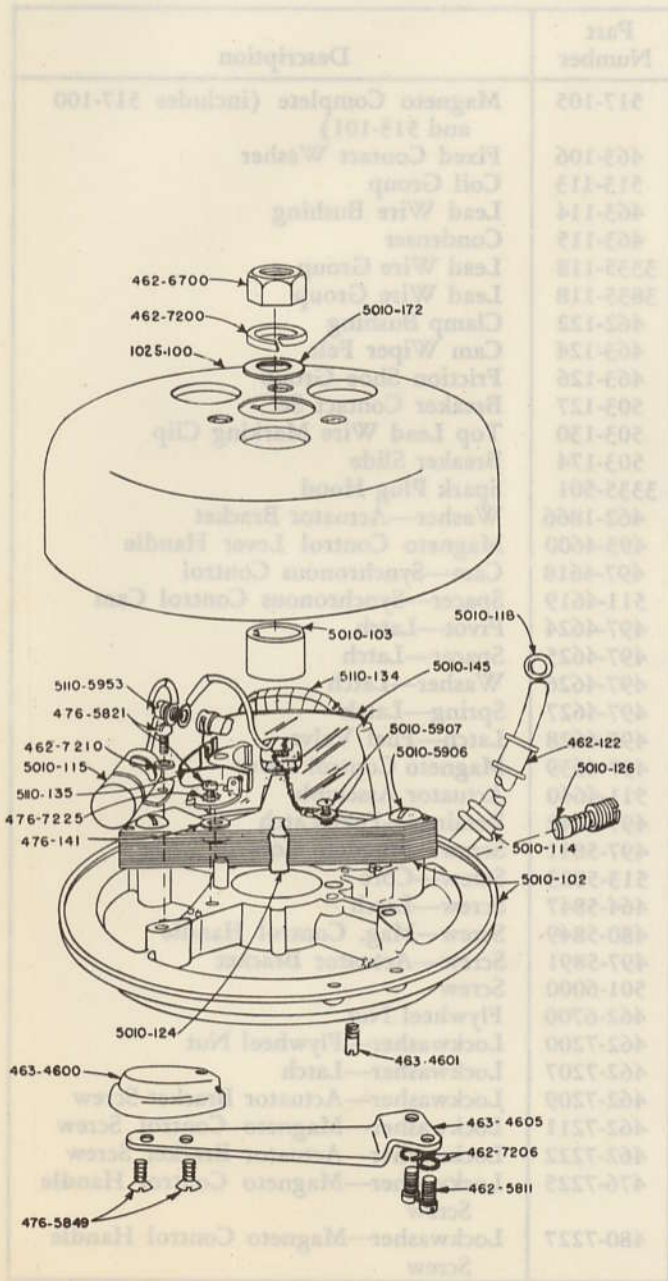


Part Number	Description
1325-105	Magneto Complete (includes 1325-100 and 1325-101)
5010-114	Lead Wire Grommet
5010-115	Condenser Group
5010-118	Lead Wire Group—Top
5017-118	Lead Wire Group—Bottom
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
5110-134	Coil
5110-135	Breaker Replacement Assembly
476-141	Breaker Arm Spring Washer
5010-145	Insulating Shield
462-1866	Washer—Actuator Bracket
493-4600	Magneto Control Lever Handle
503-4605	Magneto Control Lever
503-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
503-4628	Latch—Fuel Valve
3325-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
462-5820	Screw—Actuator Bracket
476-5821	Fixed Contact and Condenser Screw
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
3325-5957	Screw—Actuator Bracket
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7210	Lock washer—Condenser—Actuator Bracket Screw
462-7211	Lockwasher—Magneto Control Screw
467-7222	Lockwasher—Actuator Bracket Screw
476-7225	Lockwasher—Magneto Control Handle Fixed Hold Down Screw
480-7227	Lockwasher—Magneto Control Handle Screw



MAGNETO 3035

MAGNETO 3035



Part Number	Description
517-100	Magneto Rotor
517-101	Magneto Stator Plate Unit Complete
517-102	Magneto Stator Plate (Plate & Cores)
503-102	Breaker Cam

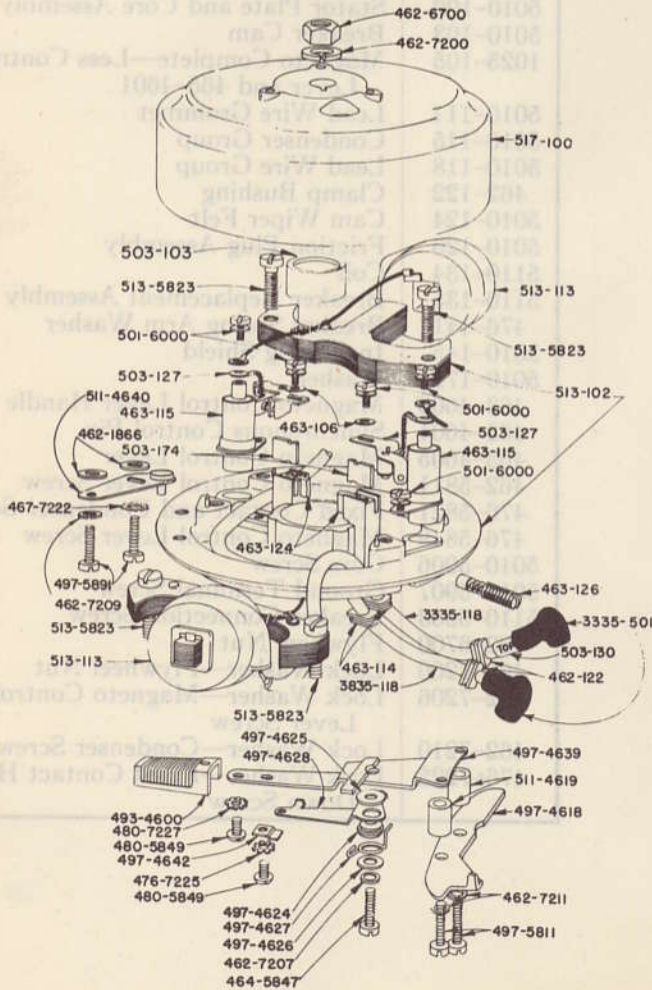
Part Number	Description
1025-100	Flywheel
5110-101	Stator Plate Assembly—Complete
5010-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1025-105	Magneto Complete—Less Control Lever and 465-4601
5010-114	Lead Wire Grommet
5010-115	Condenser Group
5010-118	Lead Wire Group
462-122	Clamp Bushing
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
5110-134	Coil
5110-135	Breaker Replacement Assembly
476-141	Breaker Spring Arm Washer
5010-145	Insulating Shield
5010-172	Washer
463-4600	Magneto Control Lever Handle
463-4601	Synchronous Control Pin
463-4605	Magneto Control Lever
462-5811	Magneto Control Lever Screw
476-5821	Fixed Contact and Condenser Screw
476-5849	Magneto Control Lever Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7206	Lock Washer—Magneto Control Lever Screw
462-7210	Lock Washer—Condenser Screw
476-7225	Lock Washer—Fixed Contact Hold Down Screw



## MAGNETO 3735

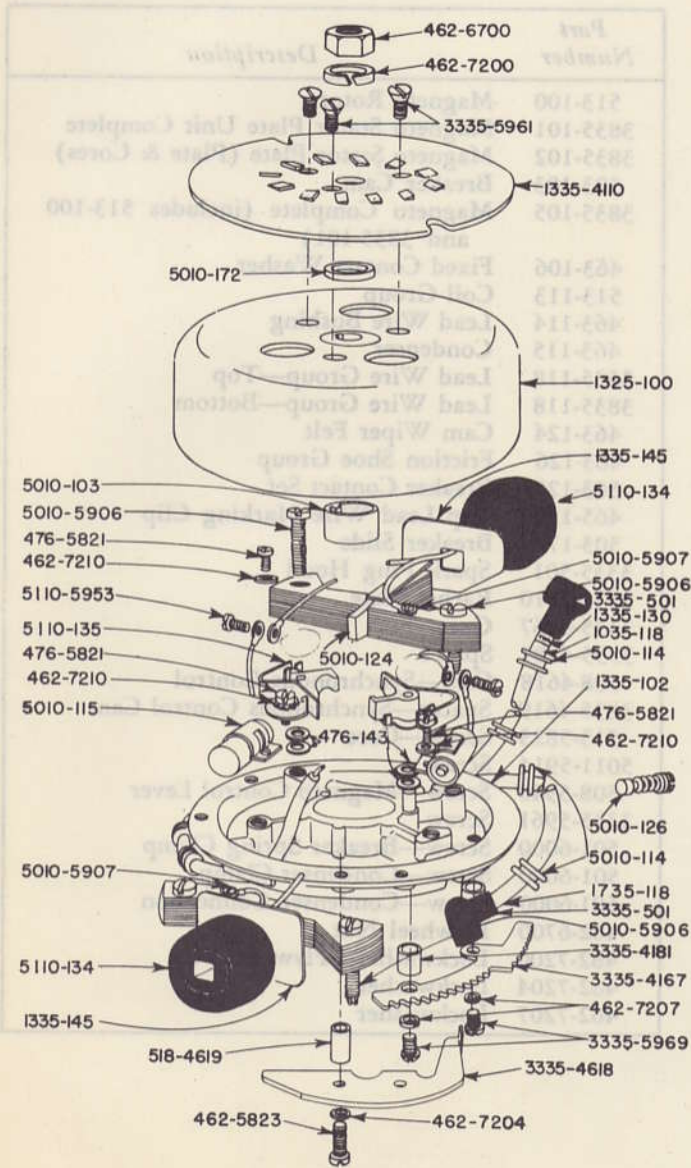
Part Number	Description
517-100	Magneto Rotor
513-101	Magneto Stator Plate Unit Complete
513-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam

Part Number	Description
517-105	Magneto Complete (includes 517-100 and 513-101)
463-106	Fixed Contact Washer
513-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3335-118	Lead Wire Group
3835-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
503-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
462-1866	Washer—Actuator Bracket
493-4600	Magneto Control Lever Handle
497-4618	Cam—Synchronous Control
511-4619	Spacer—Synchronous Control Cam
497-4624	Pivot—Latch
497-4625	Spacer—Latch
497-4626	Washer—Latch
497-4627	Spring—Latch
497-4628	Latch—Fuel Valve
497-4639	Magneto Control Lever
511-4640	Actuator Assembly
497-4642	Retainer—Fuel Latch
497-5811	Screw—Magneto Control Lever
513-5823	Screw—Core
464-5847	Screw—Latch
480-5849	Screw—Mag. Control Handle
497-5891	Screw—Actuator Bracket
501-6000	Screw
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7207	Lockwasher—Latch
462-7209	Lockwasher—Actuator Bracket Screw
462-7211	Lockwasher—Magneto Control Screw
462-7222	Lockwasher—Actuator Bracket Screw
476-7225	Lockwasher—Magneto Control Handle Screw
480-7227	Lockwasher—Magneto Control Handle Screw





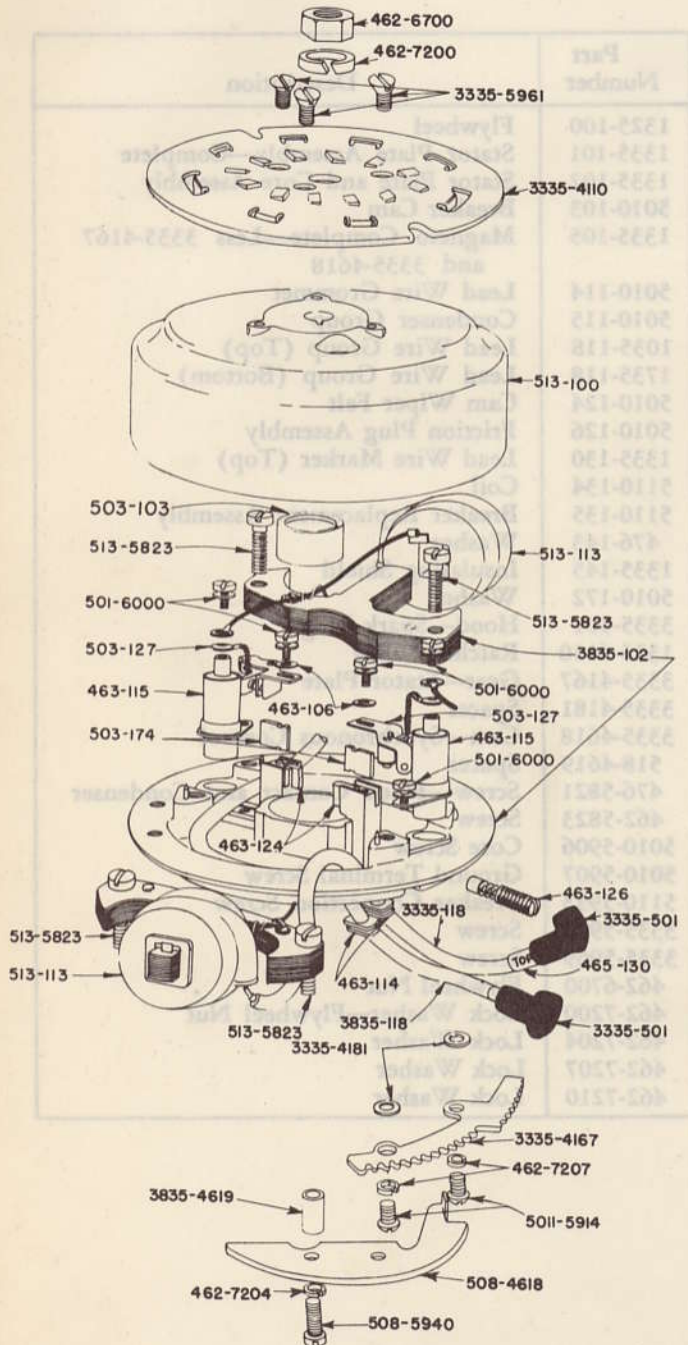
## MAGNETO 3335



Part Number	Description
1325-100	Flywheel
1335-101	Stator Plate Assembly—Complete
1335-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1335-105	Magneto Complete—Less 3335-4167 and 3335-4618
5010-114	Lead Wire Grommet
5010-115	Condenser Group
1035-118	Lead Wire Group (Top)
1735-118	Lead Wire Group (Bottom)
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
1335-130	Lead Wire Marker (Top)
5110-134	Coil
5110-135	Breaker Replacement Assembly
476-143	Washer
1335-145	Insulating Shield
5010-172	Washer
3335-501	Hood—Spark Plug
1335-4110	Ratchet Pulley
3335-4167	Gear—Stator Plate
3335-4181	Spacer
3335-4618	Cam—Synchronous Control
518-4619	Spacer
476-5821	Screw—Fixed Contact and Condenser
462-5823	Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
3335-5961	Screw
3335-5969	Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7204	Lock Washer
462-7207	Lock Washer
462-7210	Lock Washer



## MAGNETO 3835

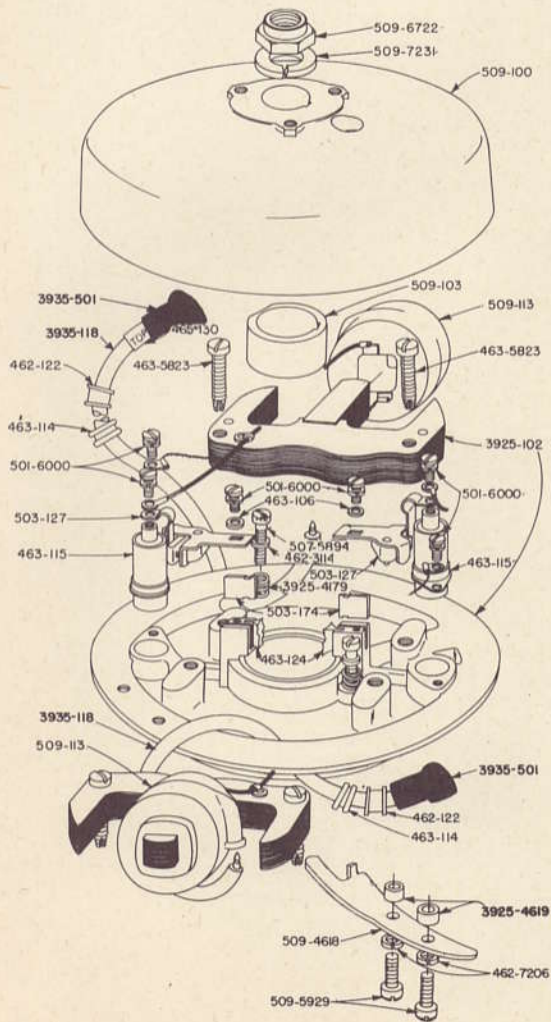


Part Number	Description
513-100	Magneto Rotor
3835-101	Magneto Stator Plate Unit Complete
3835-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
3835-105	Magneto Complete (includes 513-100 and 3835-101)
463-106	Fixed Contact Washer
513-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3335-118	Lead Wire Group—Top
3835-118	Lead Wire Group—Bottom
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
3335-4110	Ratchet Plate
3335-4167	Gear
3335-4181	Spacer
508-4618	Cam—Synchronous Control
3835-4619	Spacer—Synchronous Control Cam
513-5823	Screw—Core
5011-5914	Screw
508-5940	Screw—Magneto Control Lever
3335-5961	Screw
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7204	Lockwasher
462-7207	Lockwasher



EARLY MODELS SAME AS 3925

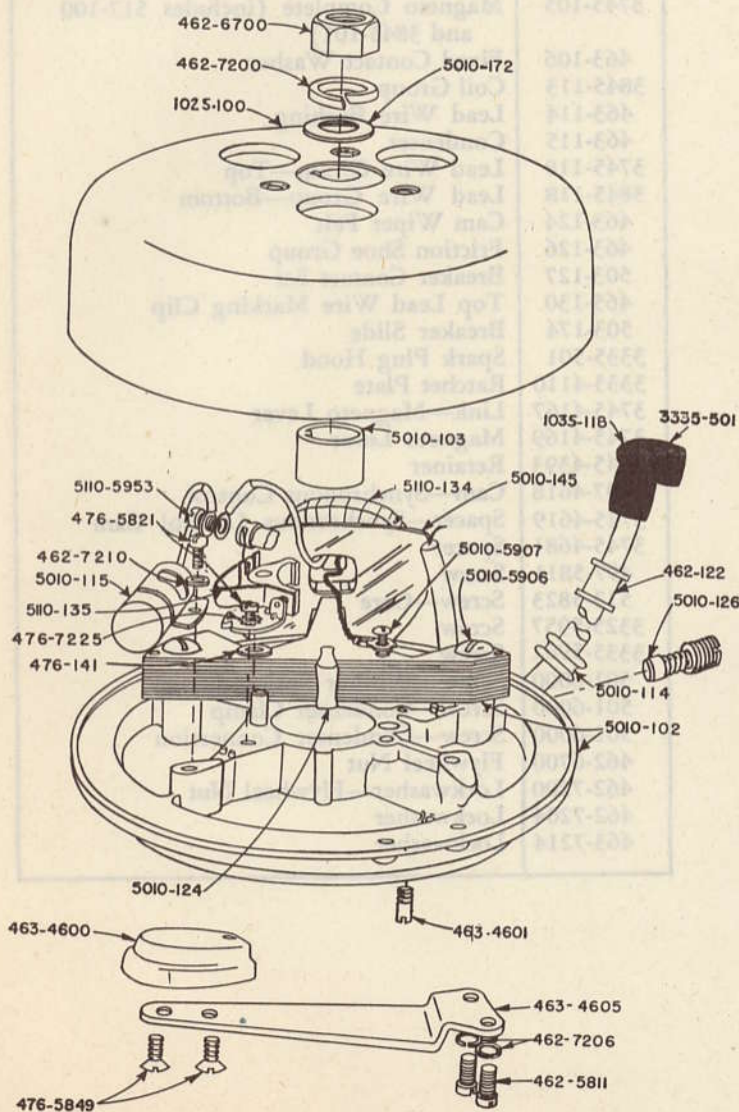
MAGNETO A3935



Part Number	Description
509-100	Magneto Rotor
3925-101	Magneto Stator Plate Unit Complete
3925-102	Magneto Stator Plate (Plate & Cores)
509-103	Breaker Cam
3925-105	Magneto Complete
463-106	Fixed Contact Washer
509-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3935-118	Lead Wire Group
462-122	Clamp Bushing
463-124	Cam Wiper Felt
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Band
503-174	Breaker Slide
3935-501	Spark Plug Hood
462-3114	Washer—Stator Plate Gear Screw
3925-4179	Spring
509-4618	Synchronous Control Cam
3925-4619	Spacer—Synchronous Control Cam
463-5823	Screw—Core
507-5894	Screw—Stator Plate Gear
509-5929	Screw
501-6000	Screw—Fixed Contact Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
509-6722	Nut Flywheel
462-7206	Lockwasher
509-7231	Lockwasher—Flywheel Nut



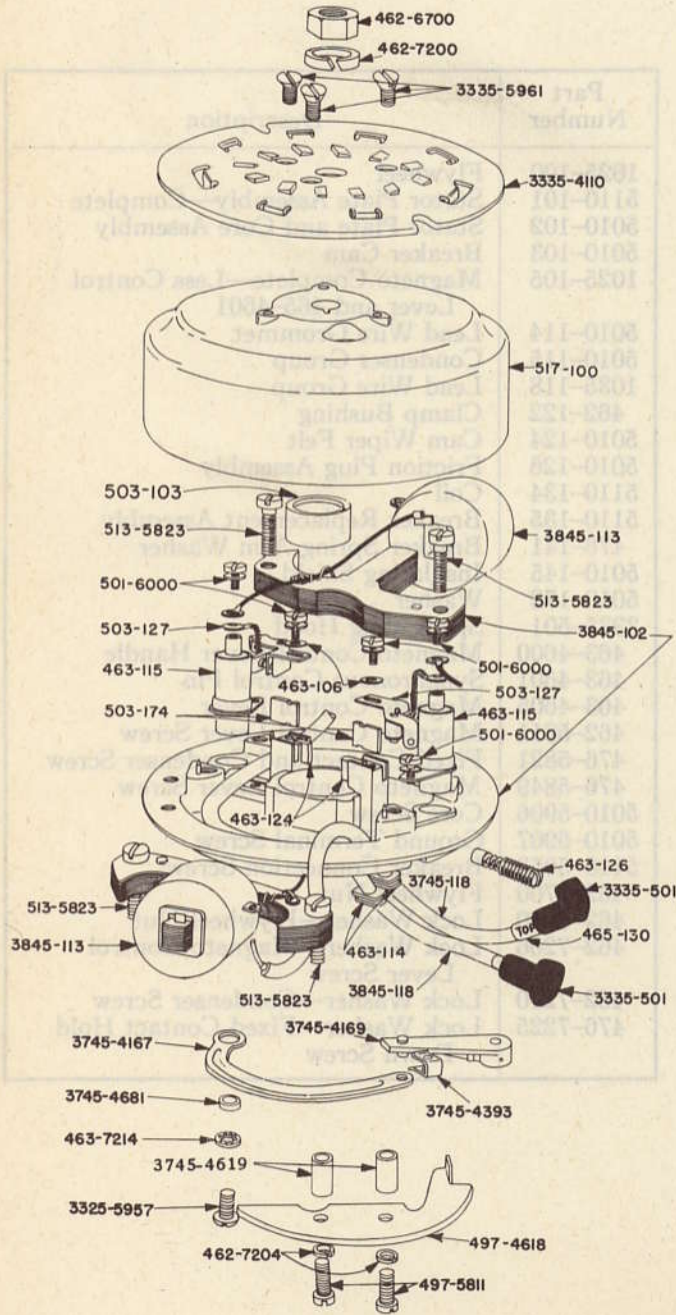
# MAGNETO - 3045



Part Number	Description
1025-100	Flywheel
5110-101	Stator Plate Assembly—Complete
5010-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1025-105	Magneto Complete—Less Control Lever and 465-4601
5010-114	Lead Wire Grommet
5010-115	Condenser Group
1035-118	Lead Wire Group
462-122	Clamp Bushing
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
5110-134	Coil
5110-135	Breaker Replacement Assembly
476-141	Breaker Spring Arm Washer
5010-145	Insulating Shield
5010-172	Washer
3335-501	Spark Plug Hood
463-4600	Magneto Control Lever Handle
463-4601	Synchronous Control Pin
463-4605	Magneto Control Lever
462-5811	Magneto Control Lever Screw
476-5821	Fixed Contact and Condenser Screw
476-5849	Magneto Control Lever Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7206	Lock Washer—Magneto Control Lever Screw
462-7210	Lock Washer—Condenser Screw
476-7225	Lock Washer—Fixed Contact Hold Down Screw



# MAGNETO - 3745



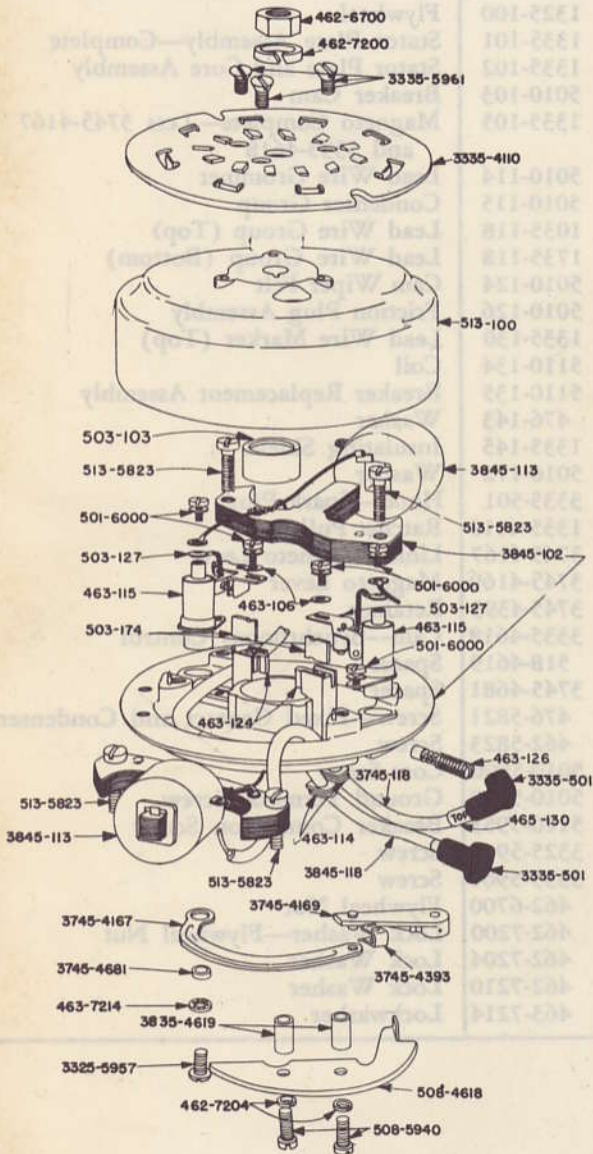
Part Number	Description
517-100	Magneto Rotor
3845-101	Magneto Stator Plate Unit Complete
3845-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
3745-105	Magneto Complete (includes 517-100 and 3845-101)
463-106	Fixed Contact Washer
3845-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3745-118	Lead Wire Group—Top
3845-118	Lead Wire Group—Bottom
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
3335-4110	Ratchet Plate
3745-4167	Link—Magneto Lever
3745-4169	Magneto Lever
3745-4393	Retainer
497-4618	Cam—Synchronous Control
3745-4619	Spacer—Synchronous Control Cam
3745-4681	Spacer
497-5811	Screw
513-5823	Screw—Core
3325-5957	Screw
3335-5961	Screw
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7204	Lockwasher
463-7214	Lockwasher







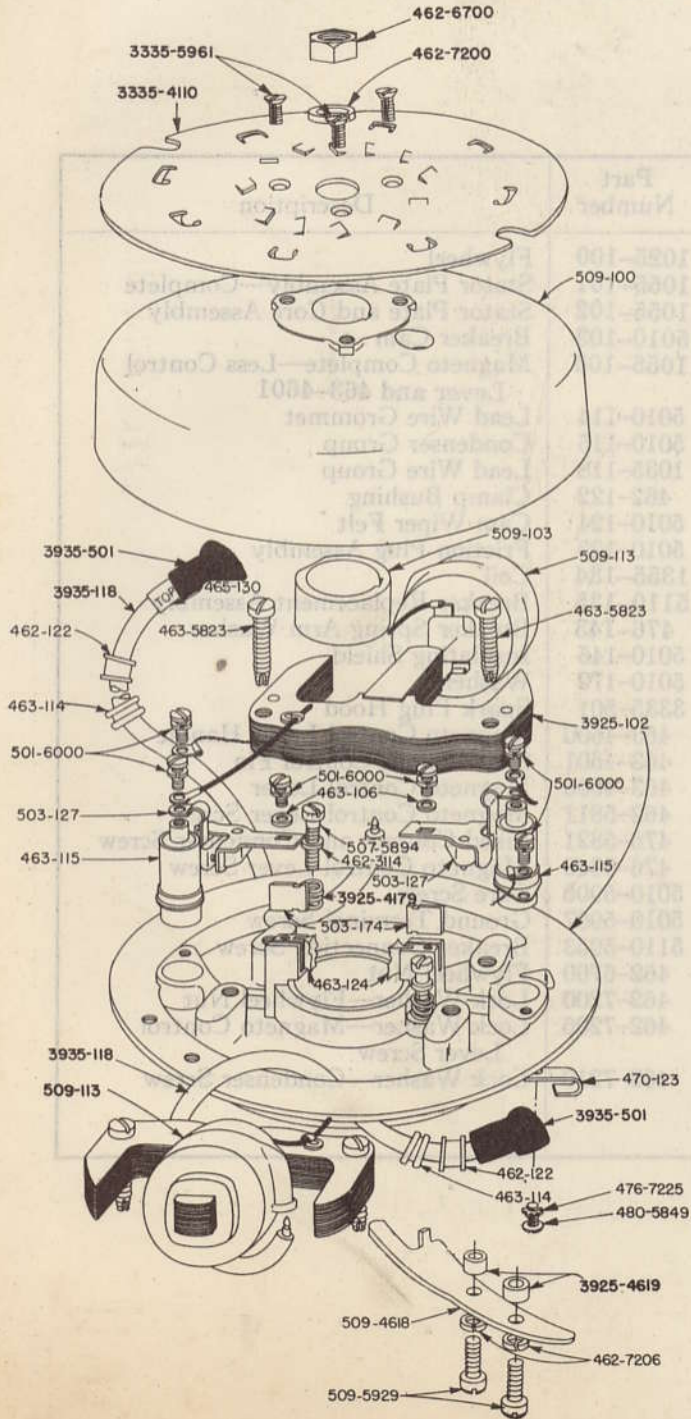
# MAGNETO - 3845



Part Number	Description
513-100	Magneto Rotor
3845-101	Magneto Stator Plate Unit Complete
3845-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cams
3845-105	Magneto Complete (includes 513-100 and 3845-101)
463-106	Fixed Contact Washer
3845-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3745-118	Lead Wire Group—Top
3845-118	Lead Wire Group—Bottom
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
3335-4110	Ratchet Plate
3745-4167	Link
3745-4169	Magneto Lever
3745-4393	Retainer
508-4618	Cam—Synchronous Control
3835-4619	Spacer—Synchronous Control Cam
3745-4681	Spacer
513-5823	Screw—Core
508-5940	Screw—Magneto Cam
3335-5961	Screw
3325-5957	Screw
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7204	Lockwasher
463-7214	Lockwasher



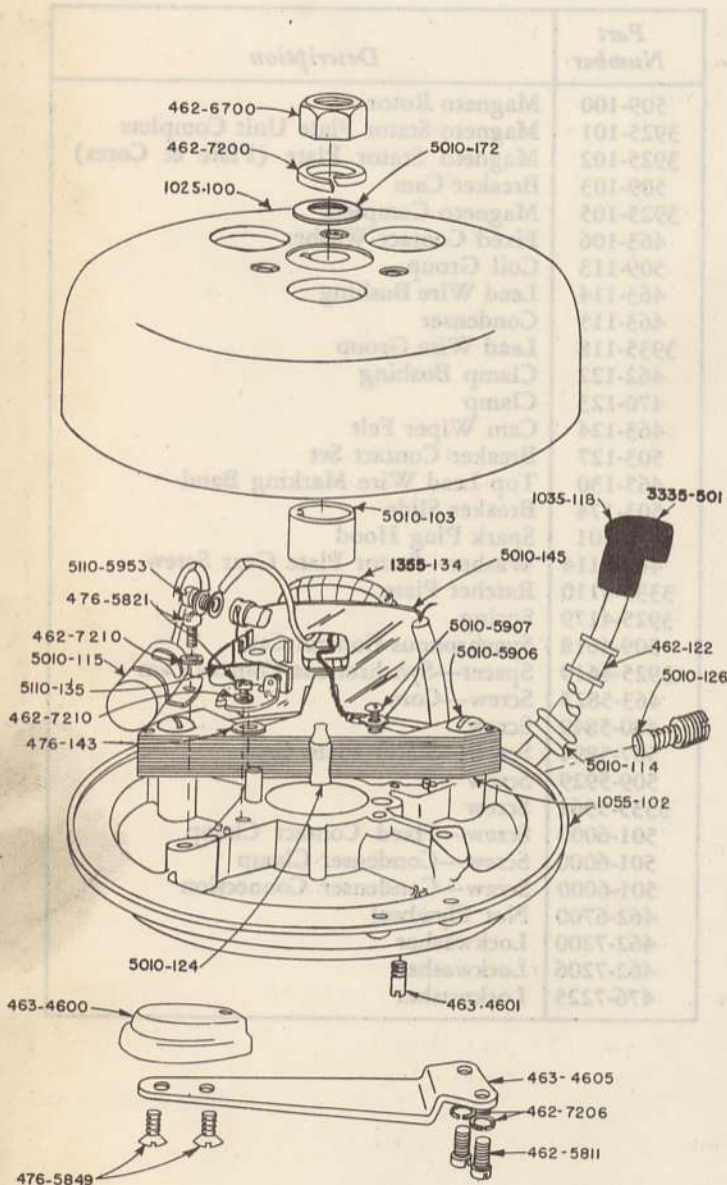
# MAGNETO - 3945



Part Number	Description
509-100	Magneto Rotor
3925-101	Magneto Stator Plate Unit Complete
3925-102	Magneto Stator Plate (Plate & Cores)
509-103	Breaker Cam
3925-105	Magneto Complete
463-106	Fixed Contact Washer
509-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3935-118	Lead Wire Group
462-122	Clamp Bushing
470-123	Clamp
463-124	Cam Wiper Felt
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Band
503-174	Breaker Slide
3935-501	Spark Plug Hood
462-3114	Washer—Stator Plate Gear Screw
3335-4110	Ratchet Plate
3925-4179	Spring
509-4618	Synchronous Control Cam
3925-4619	Spacer—Synchronous Control Cam
463-5823	Screw—Core
480-5849	Screw
507-5894	Screw—Stator Plate Gear
509-5929	Screw
3335-5961	Screw
501-6000	Screw—Fixed Contact Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Nut Flywheel
462-7200	Lockwasher
462-7206	Lockwasher
476-7225	Lockwasher



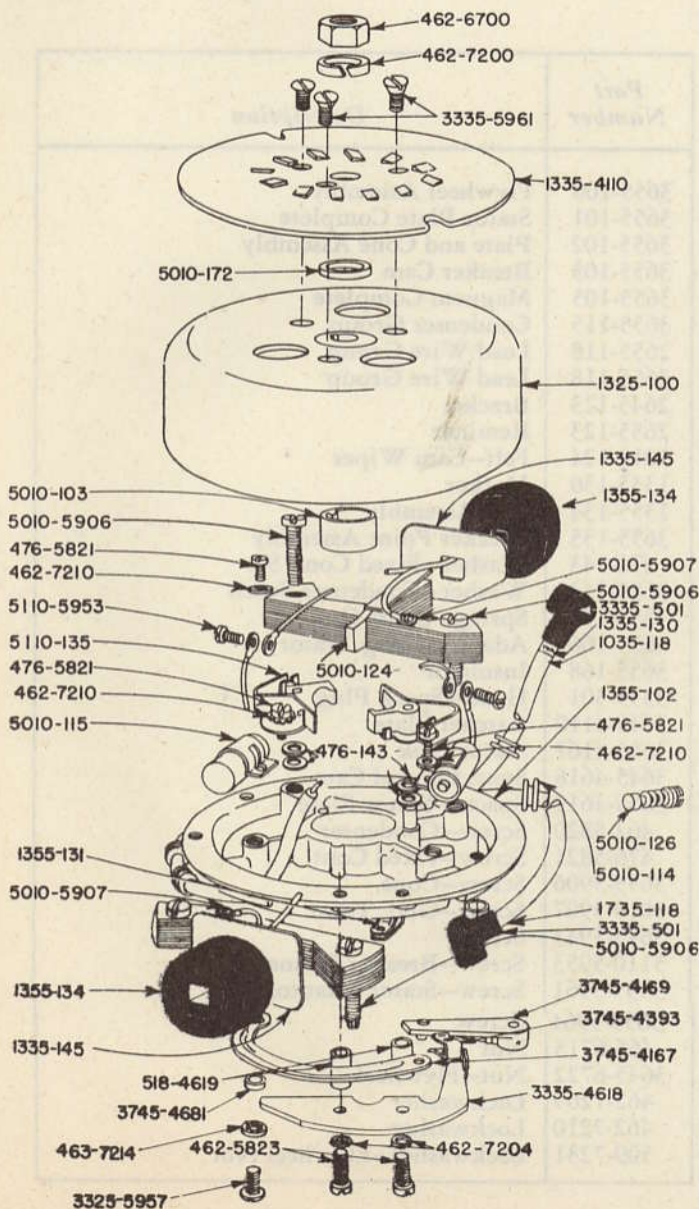
# MAGNETO - 3055



Part Number	Description
1025-100	Flywheel
1055-101	Stator Plate Assembly—Complete
1055-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1055-105	Magneto Complete—Less Control Lever and 463-4601
5010-114	Lead Wire Grommet
5010-115	Condenser Group
1035-118	Lead Wire Group
462-122	Clamp Bushing
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
1355-134	Coil
5110-135	Breaker Replacement Assembly
476-143	Breaker Spring Arm Washer
5010-145	Insulating Shield
5010-172	Washer
3335-501	Spark Plug Hood
463-4600	Magneto Control Lever Handle
463-4601	Synchronous Control Pin
463-4605	Magneto Control Lever
462-5811	Magneto Control Lever Screw
476-5821	Fixed Contact and Condenser Screw
476-5849	Magneto Control Lever Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7206	Lock Washer—Magneto Control Lever Screw
462-7210	Lock Washer—Condenser Screw



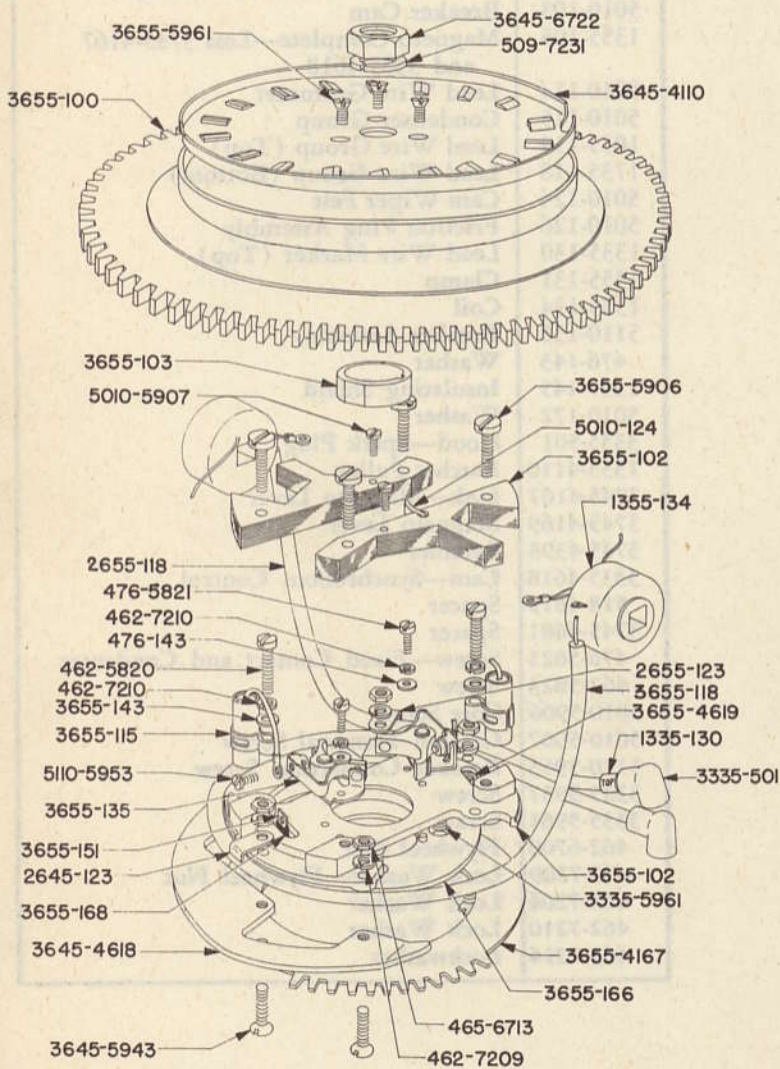
# MAGNETO - 3355



Part Number	Description
1325-100	Flywheel Assembly
1355-101	Stator Plate Assembly—Complete
1355-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1355-105	Magneto Complete—Less 3745-4167 and 3335-4618
5010-114	Lead Wire Grommet
5010-115	Condenser Group
1035-118	Lead Wire Group (Top)
1735-118	Lead Wire Group (Bottom)
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
1335-130	Lead Wire Marker (Top)
1355-131	Clamp
1355-134	Coil
5110-135	Breaker Assembly
476-143	Washer
1335-145	Insulating Shield
5010-172	Washer
3335-501	Hood—Spark Plug
1335-4110	Ratchet Pulley
3745-4167	Link—Magneto Lever
3745-4169	Magneto Lever
3745-4393	Retainer
3335-4618	Cam—Synchronous Control
518-4619	Spacer
3745-4681	Spacer
476-5821	Screw—Fixed Contact and Condenser
462-5823	Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
3325-5957	Screw
3335-5961	Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7204	Lock Washer
462-7210	Lock Washer
463-7214	Lockwasher



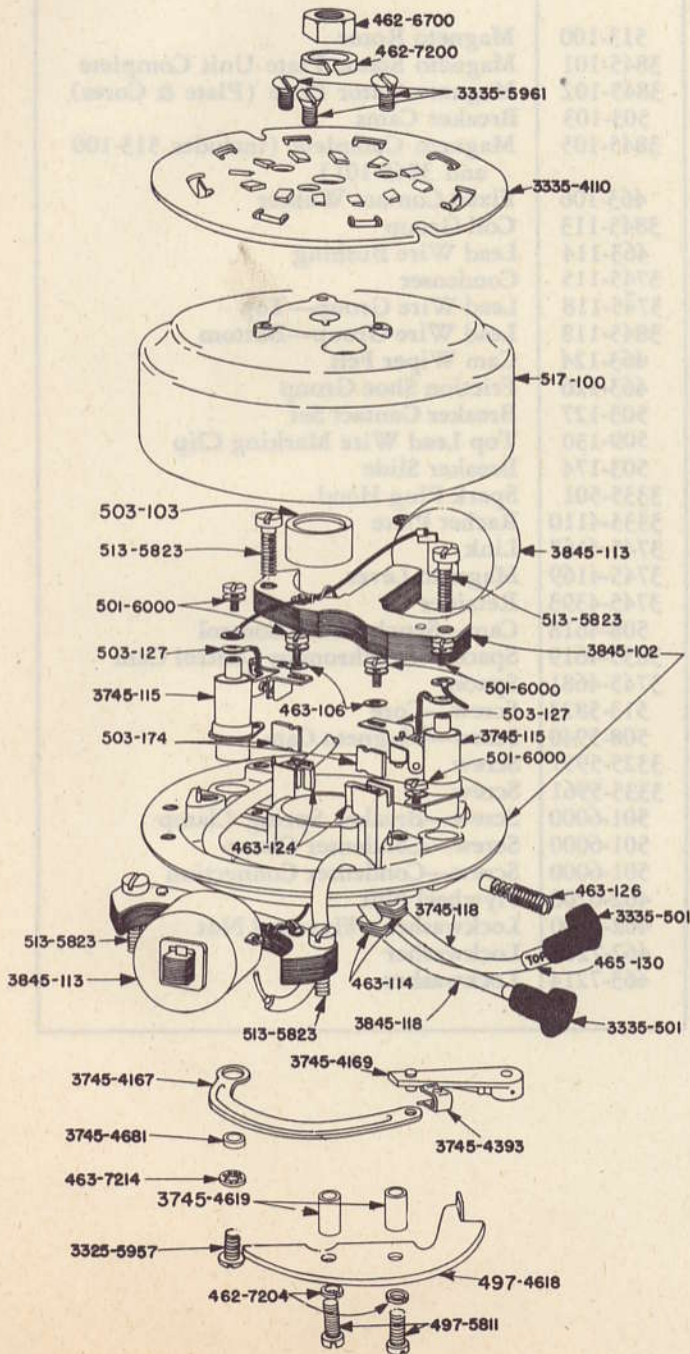
# MAGNETO — 3655



Part Number	Description
3655-100	Flywheel Assembly
3655-101	Stator Plate Complete
3655-102	Plate and Cone Assembly
3655-103	Breaker Cam
3655-105	Magneto Complete
3655-115	Condenser Group
2655-118	Lead Wire Group
3655-118	Lead Wire Group
2645-123	Bracket
2655-123	Retainer
5010-124	Felt-Cam Wiper
1335-130	Marker
1355-134	Coil Assembly
3655-135	Breaker Point Assembly
476-143	Washer-Fixed Cont. Sc.
3655-143	Washer-Condenser Screw
3655-151	Spring-Short Out.
3655-166	Adaptor-Mag. Stator
3655-168	Insulator
3335-501	Hood-Spark Plug
3645-4110	Ratchet Plate
3655-4167	Stator Link
3645-4618	Sync. Control Cam
3655-4619	Spacer-Stator Plate
462-5820	Screw-Condenser
476-5821	Screw-Fixed Cont.
3655-5906	Screw-Cone
5010-5907	Screw-Gnd. Term.
3645-5943	Screw
5110-5953	Screw-Breaker Connection
3335-5961	Screw-Stator Adaptor
3655-5961	Screw
465-6713	Nut
3645-6722	Nut-Flywheel
462-7209	Lockwasher
462-7210	Lockwasher
509-7231	Lockwasher-Flywheel Nut



# MAGNETO - 3755

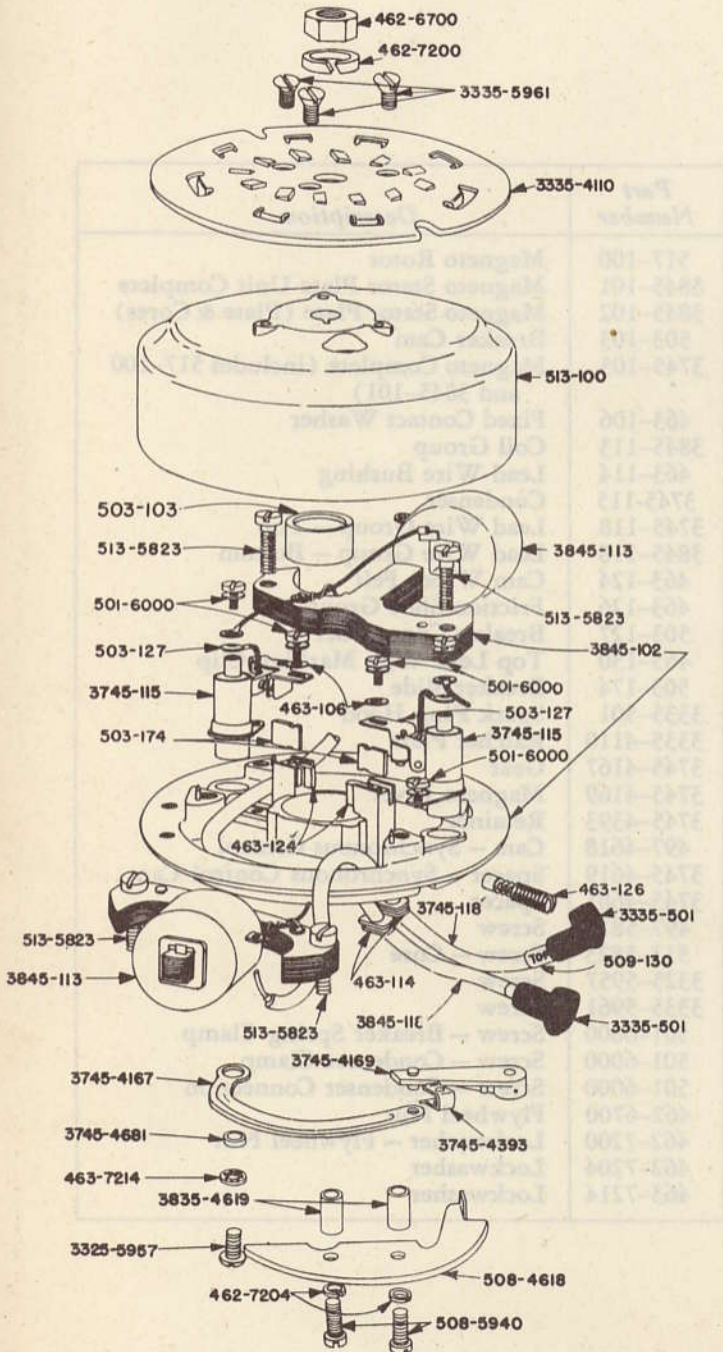


Part Number	Description
517-100	Magneto Rotor
3845-101	Magneto Stator Plate Unit Complete
3845-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cam
3745-105	Magneto Complete (includes 517-100 and 3845-101)
463-106	Fixed Contact Washer
3845-113	Coil Group
463-114	Lead Wire Bushing
3745-115	Condenser
3745-118	Lead Wire Group - Top
3845-118	Lead Wire Group - Bottom
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
3335-4110	Ratchet Plate
3745-4167	Gear
3745-4169	Magneto Lever
3745-4393	Retainer
497-4618	Cam - Synchronous Control
3745-4619	Spacer - Synchronous Control Cam
3745-4681	Spacer
497-5811	Screw
513-5823	Screw - Core
3325-5957	Screw
3335-5961	Screw
501-6000	Screw - Breaker Spring Clamp
501-6000	Screw - Condenser Clamp
501-6000	Screw - Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher - Flywheel Nut
462-7204	Lockwasher
463-7214	Lockwasher



(MAGNETO — 3955 P40)

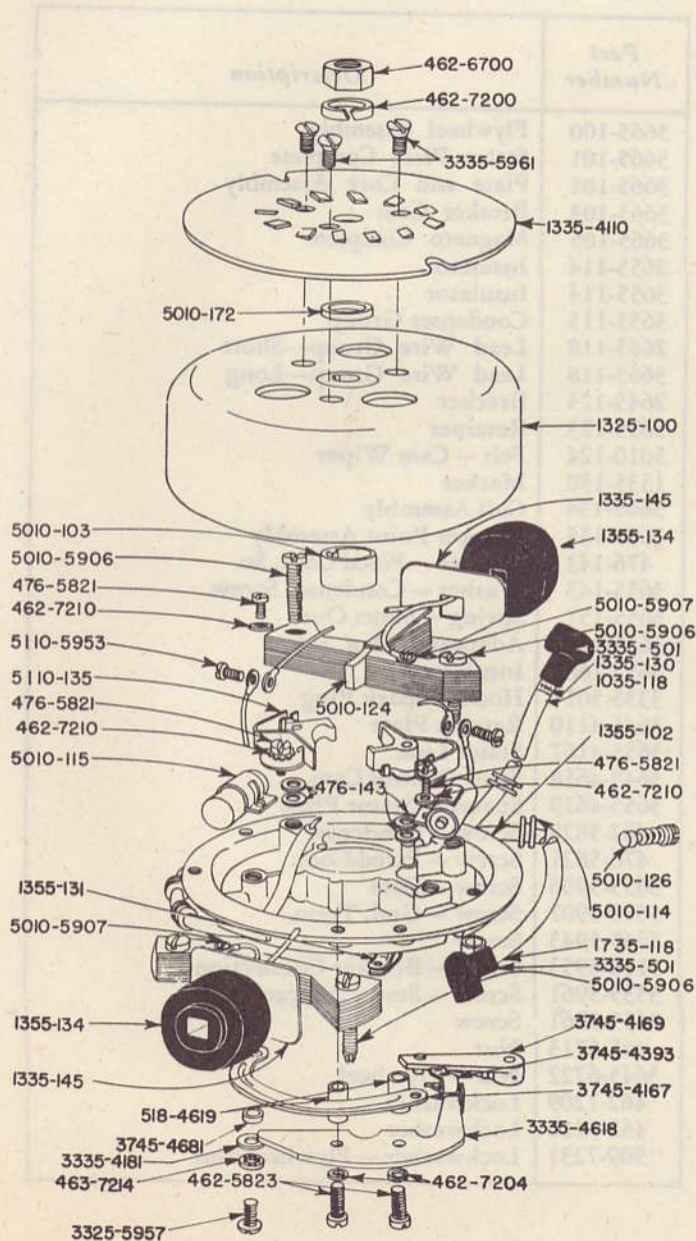
# MAGNETO — 3855



Part Number	Description
513-100	Magneto Rotor
3845-101	Magneto Stator Plate Unit Complete
3845-102	Magneto Stator Plate (Plate & Cores)
503-103	Breaker Cams
3845-105	Magneto Complete (includes 513-100 and 3845-101)
463-106	Fixed Contact Washer
3845-113	Coil Group
463-114	Lead Wire Bushing
3745-115	Condenser
3745-118	Lead Wire Group—Top
3845-118	Lead Wire Group—Bottom
463-124	Cam Wiper Felt
463-126	Friction Shoe Group
503-127	Breaker Contact Set
509-130	Top Lead Wire Marking Clip
503-174	Breaker Slide
3335-501	Spark Plug Hood
3335-4110	Ratchet Plate
3745-4167	Link
3745-4169	Magneto Lever
3745-4393	Retainer
508-4618	Cam—Synchronous Control
3835-4619	Spacer—Synchronous Control Cam
3745-4681	Spacer
513-5823	Screw—Core
508-5940	Screw—Magneto Cam
3325-5957	Screw
3335-5961	Screw
501-6000	Screw—Breaker Spring Clamp
501-6000	Screw—Condenser Clamp
501-6000	Screw—Condenser Connection
462-6700	Flywheel Nut
462-7200	Lockwasher—Flywheel Nut
462-7204	Lockwasher
463-7214	Lockwasher



MAGNETO-3365

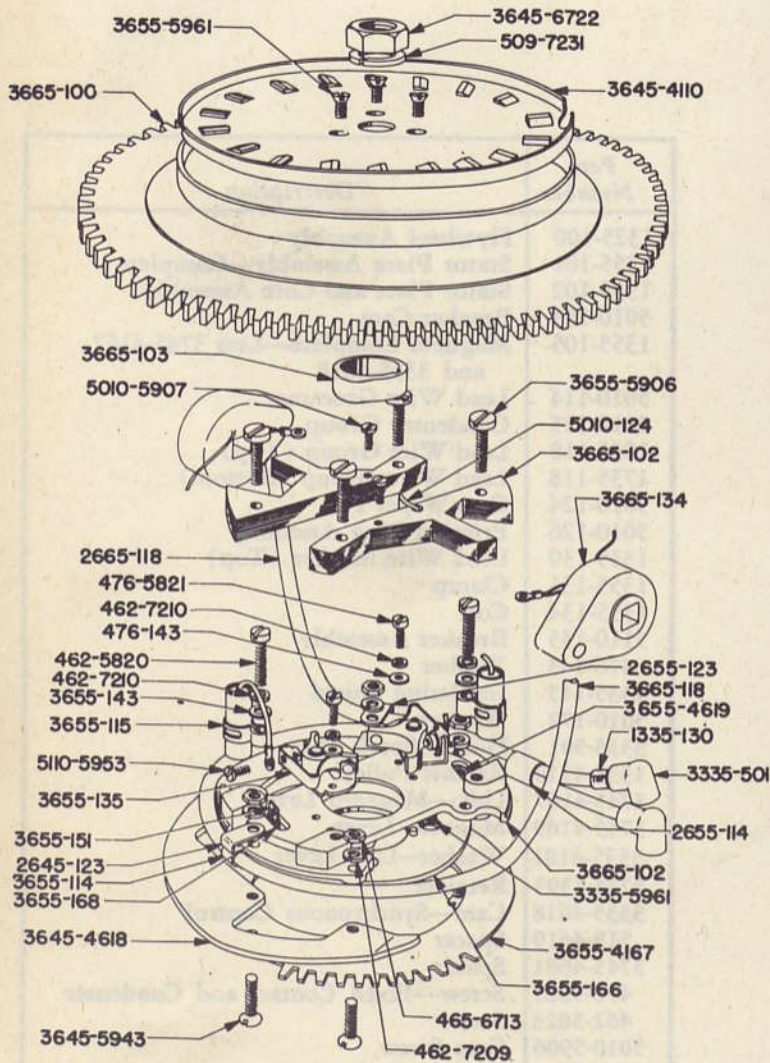


Part Number	Description
1325-100	Flywheel Assembly
1355-101	Stator Plate Assembly—Complete
1355-102	Stator Plate and Core Assembly
5010-103	Breaker Cam
1355-105	Magneto Complete—Less 3745-4167 and 3335-4618
5010-114	Lead Wire Grommet
5010-115	Condenser Group
1035-118	Lead Wire Group (Top)
1735-118	Lead Wire Group (Bottom)
5010-124	Cam Wiper Felt
5010-126	Friction Plug Assembly
1335-130	Lead Wire Marker (Top)
1355-131	Clamp
1355-134	Coil
5110-135	Breaker Assembly
476-143	Washer
1335-145	Insulating Shield
5010-172	Washer
3335-501	Hood—Spark Plug
1335-4110	Ratchet Pulley
3745-4167	Link—Magneto Lever
3745-4169	Magneto Lever
3335-4181	Washer—Link Lever
3745-4393	Retainer
3335-4618	Cam—Synchronous Control
518-4619	Spacer
3745-4681	Spacer
476-5821	Screw—Fixed Contact and Condenser
462-5823	Screw
5010-5906	Core Screw
5010-5907	Ground Terminal Screw
5110-5953	Breaker Connection Screw
3325-5957	Screw
3335-5961	Screw
462-6700	Flywheel Nut
462-7200	Lock Washer—Flywheel Nut
462-7204	Lock Washer
462-7210	Lock Washer
463-7214	Lockwasher



## MAGNETO—3665

This Magneto is used on Scott-Atwater 33HP Motors above Serial Number 36653317 Manual Starting Models, and Serial Number 3665-3-3127 Electric Starting Models.



Part Number	Description
3665-100	Flywheel Assembly
3665-101	Stator Plate Complete
3665-102	Plate and Core Assembly
3665-103	Breaker Cam
3665-105	Magneto Complete
2655-114	Insulator
3655-114	Insulator
3655-115	Condenser Group
2665-118	Lead Wire Group—Short
3665-118	Lead Wire Group—Long
2645-123	Bracket
2655-123	Retainer
5010-124	Felt — Cam Wiper
1335-130	Marker
3665-134	Coil Assembly
3655-135	Breaker Point Assembly
476-143	Washer — Fixed Cont. Sc.
3655-143	Washer — Condenser Screw
3655-151	Spring — Short Out.
3655-166	Adaptor — Mag. Stator
3655-168	Insulator
3335-501	Hood — Spark Plug
3645-4110	Ratchet Plate
3655-4167	Stator Link
3645-4618	Sync. Control Cam
3655-4619	Spacer — Stator Plate
462-5820	Screw — Condenser
476-5821	Screw — Fixed Cont.
3655-5906	Screw — Core
5010-5907	Screw — Gnd. Term.
3645-5943	Screw
5110-5953	Screw — Breaker Connection
3335-5961	Screw — Stator Adaptor
3655-5961	Screw
465-6713	Nut
3645-6722	Nut — Flywheel
462-7209	Lockwasher
462-7210	Lockwasher
509-7231	Lockwasher — Flywheel Nut

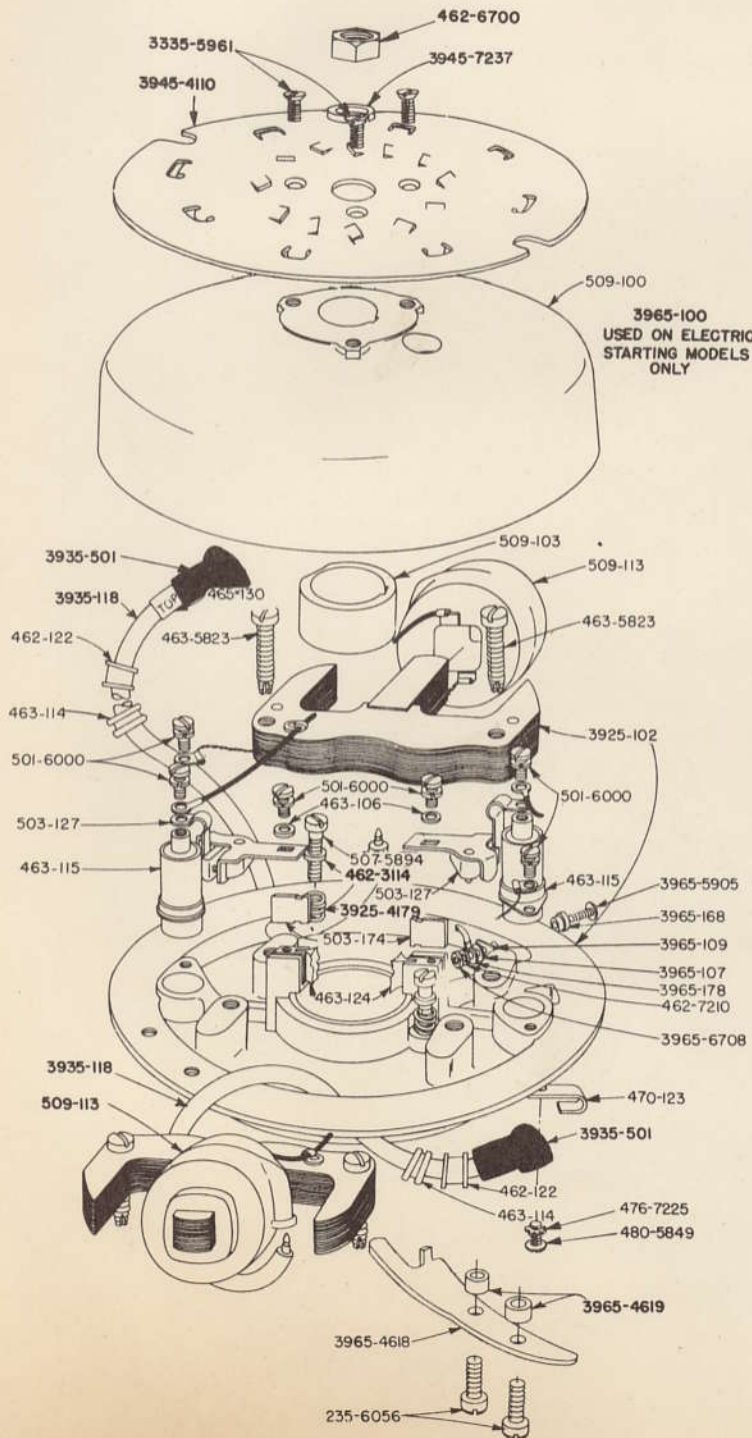
Early 3665 models use 3655 Magneto with 3655-134 Coil Assy



(Magneto - 3765 P44)

(Magneto - 3865 P45)

## MAGNETO-3965



Part Number	Description
509-100	Magneto Rotor
*3965-100	Magneto Rotor
3925-101	Magneto Stator Plate Unit Complete
*3965-101	Magneto Stator Plate Unit Complete
3925-102	Magneto Stator Plate (Plate and Cores)
509-103	Breaker Cam
3925-105	Magneto Complete (Manual Start)
3965-105	Magneto Complete (Electric Start)
463-106	Fixed Contact Washer
*3965-107	Insulating Washer—Small
*3965-109	Insulating Shield
509-113	Coil Group
463-114	Lead Wire Bushing
463-115	Condenser
3935-118	Lead Wire Group
462-122	Clamp Bushing
470-123	Clamp
463-124	Cam Wiper Felt
503-127	Breaker Contact Set
465-130	Top Lead Wire Marking Band
*3965-168	Insulating Washer Large
503-174	Breaker Slide
*3965-178	Ground Lead
3935-501	Spark Plug Hood
462-3114	Washer—Stator Plate Gear Screw
3945-4110	Ratchet Plate
3925-4179	Spring
3965-4618	Synchronous Control Cam
3965-4619	Spacer—Synchronous Control Cam
463-5823	Screw—Core
480-5849	Screw
507-5894	Screw—Stator Plate Gear
*3965-5905	Screw—Ground
3335-5961	Screw
501-6000	Screw
235-6056	Screw
462-6700	Nut—Flywheel
*3965-6708	Nut—Ground Screw
462-7210	Lockwasher
476-7225	Lockwasher
3945-7237	Lockwasher
*Used on Electric Starting Model Only	



# SCOTT-ATWATER SERVICE MANUAL

## SECTION F - POWERHEAD

### CONTENTS

	Page
<b>POWERHEAD - GENERAL INFORMATION</b>	<b>1</b>
Piston and Pins	1
Rings	1
Connecting Rods	1
Crankcase	1
Cylinder Block	1
How to Handle Needle Bearings	2
<b>3.6 H. P. AND 4 H. P. SINGLE CYLINDER</b>	<b>2</b>
<b>5 H. P. TWIN CYLINDER</b>	<b>4</b>
<b>7 1/2 H. P. TWIN CYLINDER</b>	<b>6</b>
<b>10 H. P. TWIN CYLINDER</b>	<b>8</b>
<b>16 H. P. TWIN CYLINDER</b>	<b>12</b>
<b>30 H. P. TWIN CYLINDER</b>	<b>16</b>
<b>30 &amp; 33 H. P. MODIFICATIONS</b>	<b>19</b>
<b>PARTS LISTS ON ALL POWERHEADS</b>	<b>Begin P1</b>



## POWERHEAD

This section explains the step by step assembly of each of the horsepower sizes. The basic steps will not change from year to year except in minor details. When specific instructions for disassembly are necessary, they are given: otherwise, reverse the order when taking the powerhead apart.

The method given is in the easiest and most foolproof order. Follow this order and you will greatly reduce the possibility of damage to parts. Use extreme care if the order is changed. For example, if you attach the piston to the rod after the rod is on the crankshaft, you will greatly increase the possibility of bending the rod.

### GENERAL INFORMATION

Service of the powerhead is simplified by clamping a stub of a driveshaft in a vice and placing the powerhead on the shaft. This will allow you to turn the powerhead around to work on any part. When assembling the motor, always use new gaskets and replace screws and bolts that appear damaged.

Pistons and pins are matched to give a "special interference" fit and must not be mixed. When either must be replaced, the matched pair must be replaced. If the piston pin hole becomes enlarged so that there is no longer a proper fit, replace the piston and pin.

Rings are positioned on the piston so that the gaps will be on opposite sides. This reduces compression loss and prevents the rings from rotating to a point where the sharp ends will catch on the port openings. The ring gap should be between .004 and .012.

Connecting rods and caps are sold as a complete unit. One side of the rod and cap are marked to indicate proper assembly. Do not attempt to interchange caps and always replace them so that the marks correspond.

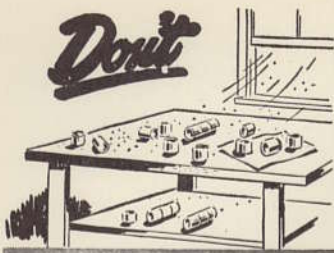
Hold the needles in place when assembling by coating the bearing surfaces with a grease the consistency of cup grease and laying the needles in place in the grease. This heavy grease will dissolve as soon as the motor is run. The needle rollers should always be put back on the same connecting rod and the same crankpin. When it is necessary to replace one or more rollers, replace the entire set.

Crankcase halves are matched and must be replaced as a pair. Particular care must be taken in reassembling the twin crankcase to see that the halves are properly aligned to prevent an offset between the split bearings on the shaft.

Cylinder Blocks on all models except the 461 and 467 have iron cylinder liners cast into them. These liners are not replaceable, and if damaged, the entire block must be replaced.



## HOW TO HANDLE NEEDLE BEARINGS



### KEEP CLEAN —

**DON'T** assemble bearings in a dirty place. Don't take bearings out of wrapping until you use them. Dirt and bearings don't mix.

**DO** leave bearings in original wrappings until actually ready to use. That is one way to stop damage of bearings from dirt and moisture.



### LUBRICANT

**DON'T** try to wipe or wash the lubricant out of needle bearings. It is a tough, tricky job and is not necessary.

**DO** install bearings with original lubricant left in them —more can be added after installation.

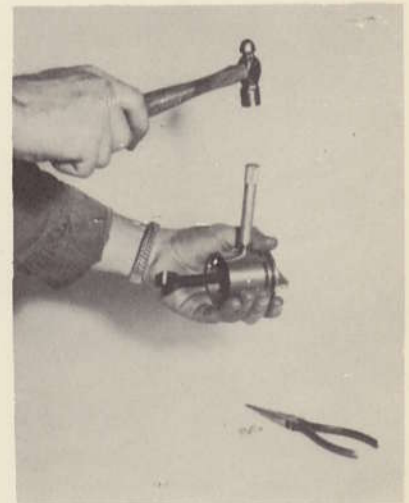


## 3.6 HP AND 4 HP SINGLE CYLINDER

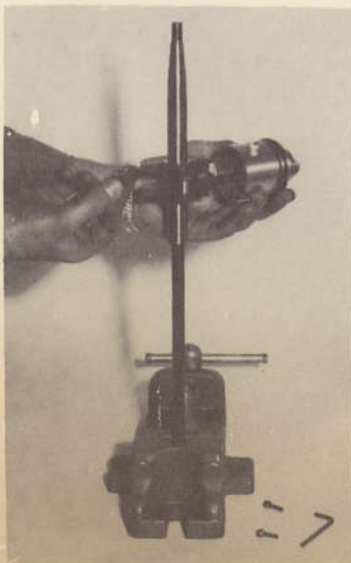
The single cylinder crankcase halves are matched. The bronze sleeve bearings are pressed in place from the inside and the halves assembled and bored so the bearings are in line.

### ASSEMBLY

1. Fasten the piston to the connecting rod. Use the Piston Pin Inserter and a light hammer, being careful not to let the rod cock, jamming the pin. Drive the pin in until it is about 1/8" beyond the inside boss, then put the rod in place and drive the pin in the rest of the way until both piston pin locks can be pushed in place. A long-nose pliers will aid in removing these locks. If the piston pin locks do not fit tightly, remove and spread them. A loose piston pin lock will rapidly enlarge the groove. A correct fit between the rod and wrist pin will allow the piston to teeter of own weight.



*Attaching piston to rod.*



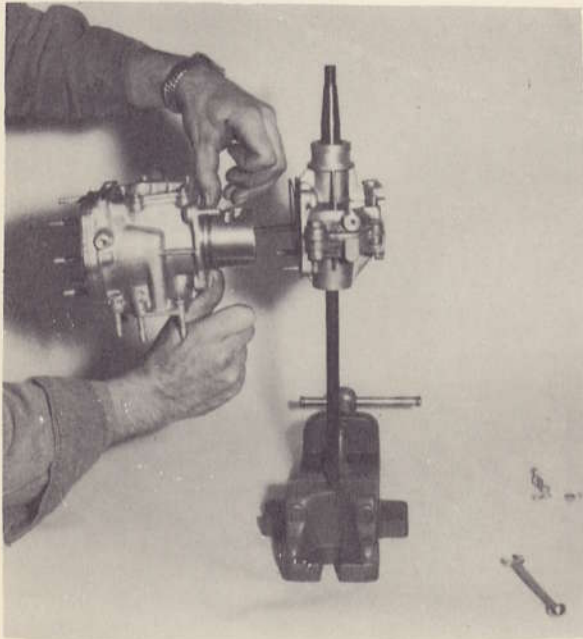
2. Fasten the connecting rod to the crankshaft. Coat the rod and cap bearing surfaces with a layer of grease and lay 12 needles in each half. Place the rod on the crankshaft with the piston baffle facing the flywheel end of the shaft. Place the cap in position over the rod so that the marks on the cap and rod are on the same side. Properly installed, the weight of the piston will hold the rod down when the shaft is rotated. Note: On connecting rods identified by a white mark on the web, 23 special needles are required. (See parts list.) Lay 12 in the rod and 11 in the cap when assembling.

*Fastening the connecting rod to the crankshaft.*

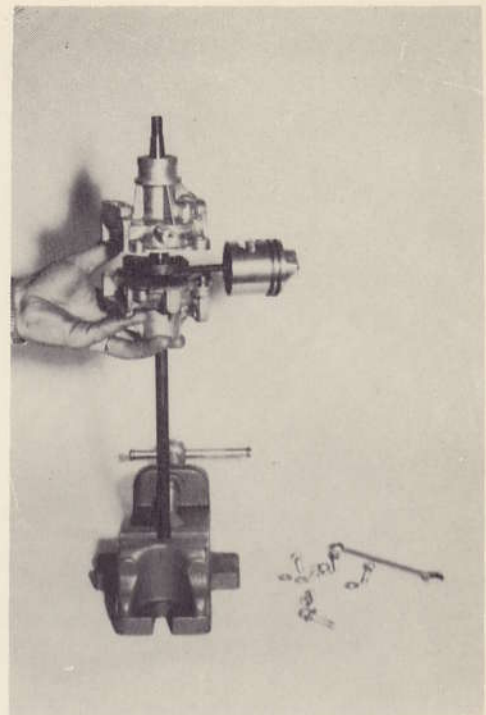


3. Place the upper and the lower halves of the crankcase in position on the shaft. Use a new gasket on each side and bolt the halves together.

4. Install rings on piston. Use a ring expander and place the inside beveled edge of the ring facing the head.



*Replacing block.*



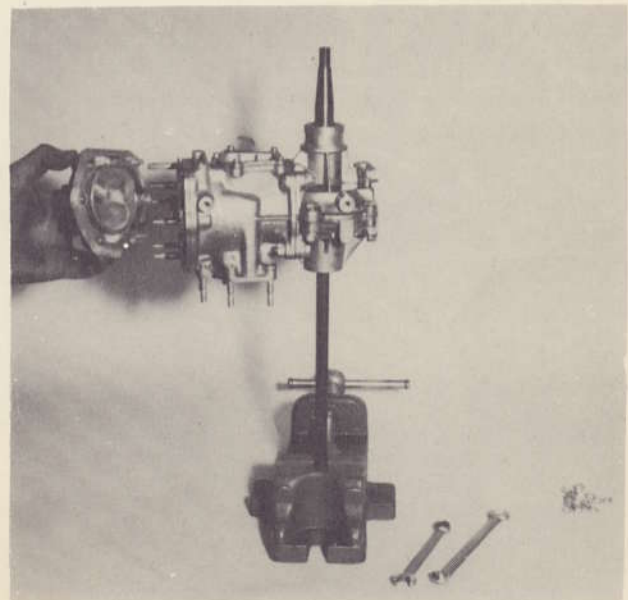
*Installing the crankcase.*

5. Slide the cylinder block over the piston with a new gasket in place. Use care in positioning the rings and compressing them over the pins. The beveled edge of the cylinder liner will help to compress the rings, eliminating the necessity of a ring compressor. Bolt the cylinder block in place.

6. Bolt the head on over a new gasket. Replace the necessary brackets according to the exploded views on the parts pages. Draw up all headnuts to a reasonable tightness and then tighten them individually to a torque reading of 80 to 120 inch-pounds.

7. The intake cover plate can be removed or replaced at any time. Use a new gasket if it is removed. The 461 and 467 have a cast iron cylinder block and do not have an intake cover plate.

8. Replace all tank and skirt brackets or clips as shown in the parts pages of this section.

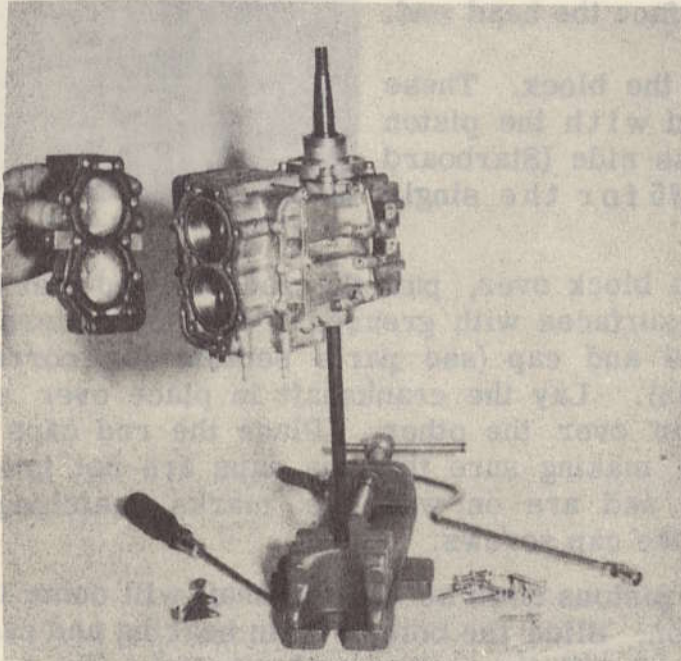


*Replacing head.*

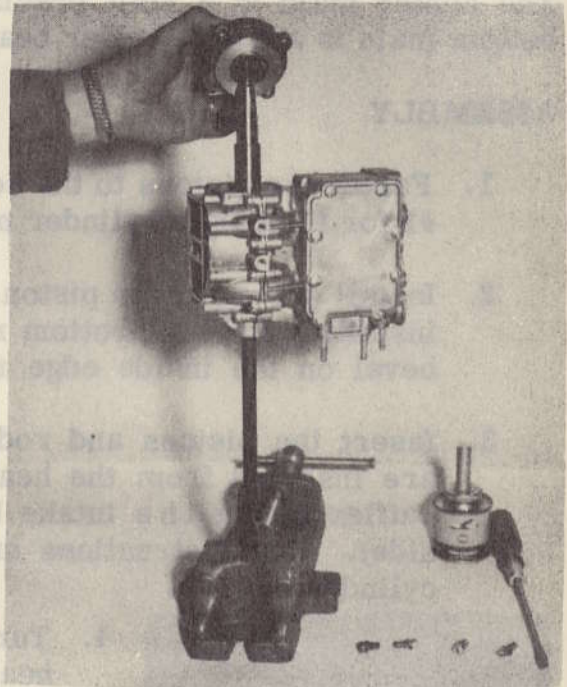


The 5 HP twin has one half of the crankcase integral with the block. Crankcase and block assembly must be replaced as a unit; however, all bearings are replaceable. The top main consists of two needle roller bearings held in a cage.

8. Replace the upper main bearing assembly. Use a new gasket and apply a layer of permatex on the sealing surfaces. Tighten it down and check to see that the grease seal is in position with the metal face outward. When removing, turn the bearing cage until two screw drivers can be used to pry up on the screw hole flange.



*Replacing head.*



*Installing top main bearing.*

9. Replace the head over a new gasket. Replace the lead wire clip, draw up all head screws to reasonable tightness, and then tighten them to a torque reading of 80 to 120 inch-pounds.

10. The intake and exhaust cover plates can be removed or replaced at any time. Use a new gasket when replacing.

11. Replace all tank and skirt brackets or clips as shown in the parts pages of this section.

A new type Crankcase and Block Assembly (3745-1860) along with Magneto Mount Bearing (3745-1911) is used on the '54 model.

When replacing the powerhead on the lower motor casing, use a new cover plate gasket and be sure that the pivot tube seal ring is in place. The water line must be guided into the water inlet opening in the bottom of the block.

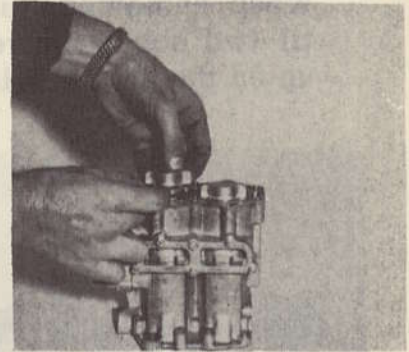


## 5 HP TWIN CYLINDER

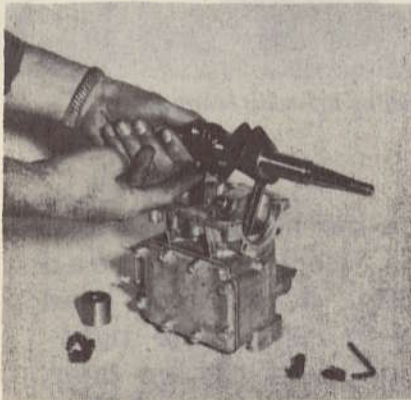
The 5 HP twin has one half of the crankcase integral with the block. Crankcase and block assembly must be replaced as a unit; however, all bearings are replaceable. The top main consists of two needle roller bearings held in a cage. The center main is a split precision bronze insert held in place with a pin. The bottom main is a needle roller bearing held in a cage.

### ASSEMBLY

1. Fasten the pistons to the connecting rods. Follow instructions given under #1 for the single cylinder models.
2. Install the rings on piston. Use a ring expander, installing first the bottom ring, then the top. The bevel on the inside edge must face the head end.
3. Insert the pistons and rods in the block. These are inserted from the head end with the piston baffles facing the intake bypass side (Starboard side). See instructions under #5 for the single cylinder models.

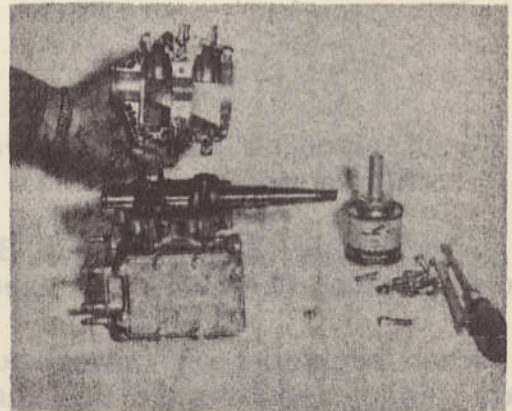


*Sliding pistons in block.*



*Installing crankshaft.*

4. Turn the block over, pull the rods up and coat the bearing surfaces with grease. Place the rollers in each rod and cap (see parts section for correct quantities). Lay the crankshaft in place over one rod, then over the other. Place the rod caps in position, making sure that the caps are not interchanged and are on with the marks matching. Tighten the cap screws.
5. Push the pistons down so that the shaft will come into position. Slide the bottom main bearing and cage on the shaft with the grease seal outward. The positioning pin in the crankcase must engage the hole in the bearing cage. The shaft will then be in position, held by the bottom main and one half of the center main.
6. Coat the crankcase parting surfaces with a thin layer of aviation grade permatex, being careful to keep it away from the bearings.
7. Replace the front half of the crankcase and fasten it in position. Check to see that the crankcase is properly aligned and does not bind the crankshaft.



*Replacing crankcase half.*

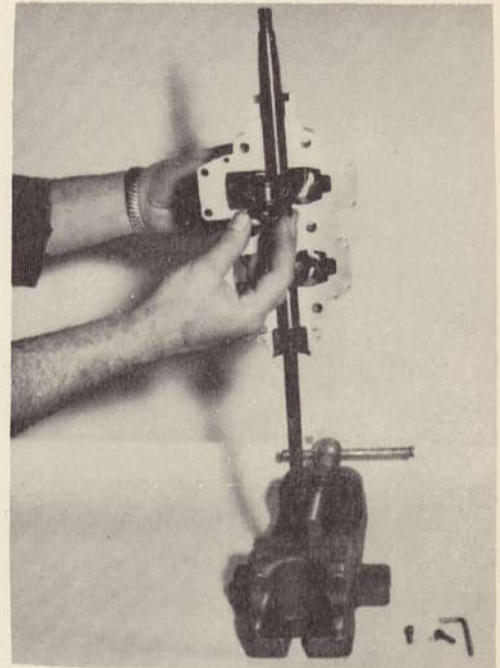


## 7 1/2 HP TWIN CYLINDER

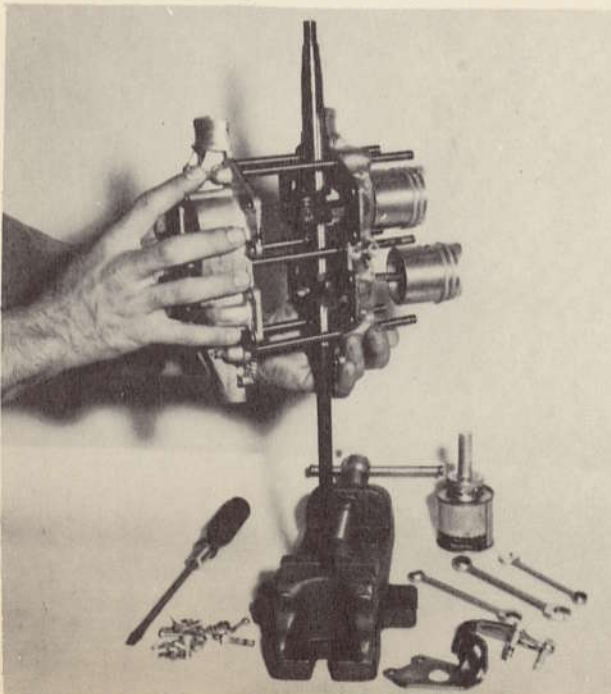
The 7 1/2 HP twin has a split crankcase that is matched and must be replaced as a unit. The main bearings are made of bronze and are an integral part of the crankcase. If the bearings are worn or damaged, the entire crankcase must be replaced.

### ASSEMBLY

1. Fasten the pistons on the connecting rods. See instructions given under #1 for the single cylinder models.
2. Install the rings on the pistons. See instructions under #2 for the 5 HP twin.
3. Coat the bearing surfaces with grease and place 12 rollers in each rod and cap. Hold the back half of the crankcase in place on the crankshaft while inserting the top rod through the crankcase and in position on the shaft. The piston baffles must face the intake or starboard side. Replace that cap and do the same for the bottom rod. Cap screws should be tightened to a torque reading of 120 to 140 inch-pounds.



*Attaching rods to crankshaft.*

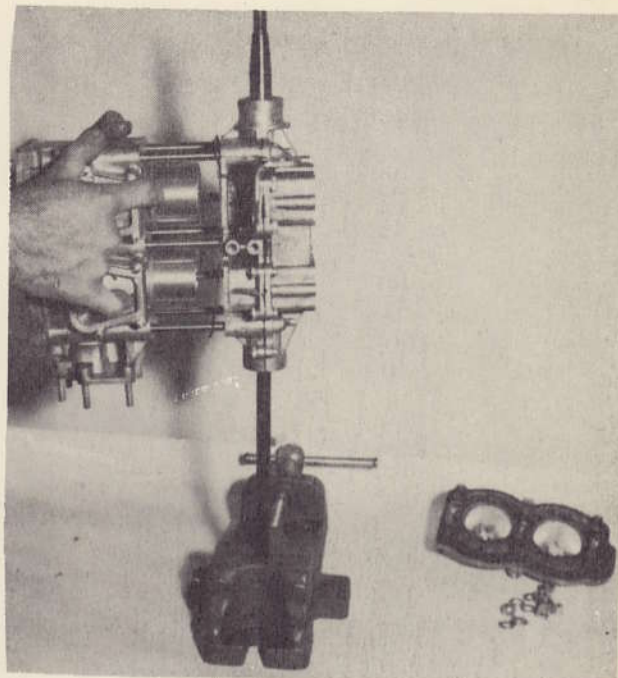


*Assembling the crankcase halves.*

4. Apply a thin layer of aviation grade permatex on the crankcase parting surfaces being careful to keep it away from the bearings. Place the other half of the crankcase (with the long studs in place) over the shaft and bolt in place. Be sure the two halves are properly aligned. If in doubt, consult the exploded views of the powerhead to see how the tank brackets are clamped on.



5. Slide the cylinder block on over the pistons with a new gasket in place. See instructions under #5 for the single cylinder models.
6. Replace the head over a new gasket. Draw up all nuts to reasonable tightness, then tighten them to a torque reading of 150 to 175 inch-pounds.
7. The intake and exhaust cover plates can be removed or replaced at any time. Use new gaskets if they are being replaced.



*Replacing block.*

A top bearing oil seal was not used on early model 7 1/2 HP motors. A seal (465-1899) should be installed when the top bearing shows signs of leaking. The seal cavity in the crankcase should be perfectly clean. Apply a small amount of aviation permatex #3 around the seal and install with the sealing surface down.



## 10 HP TWIN CYLINDER

The 10 HP engine is set up very much like the 5 HP except that the crankcase is entirely separate from the block. The upper and lower main bearings are needle rollers and there are loose needles on the connecting rod. The center main is a replaceable bronze insert, either half of which may be replaced.

The connecting rod on this motor and the 16 HP are different from smaller models in that the cap is broken off rather than sawed off. In the machining operations, the rod is hardened at the points where the screws hold the cap on, then an expanding plug is used to break the cap loose from the rod. This results in an uneven parting surface that will fit back together only one way. Be sure that the cap is in position before tightening down the cap screws

As with other models, the recommended order of assembly is given so that you can use the easiest way possible and still avoid methods that might cause damage to parts. If you were to install a new piston, it would hardly be necessary to disassemble the entire motor so that the given order could be followed to assemble. In such a case, remove the head, pull the block off and drive the wrist pin out. You have to be careful to absorb the shock of the hammer blow by holding the piston in your hand and apply pressure against the direction of the shock.

You may find other short-cuts of this nature, or you may find it easier to assemble parts in a different order. In any case, be very careful not to damage parts or get them out of alignment.

The 508 block is obsolete. The 3825 block should be used along with the following parts: 3825-1898 gasket, 3825-1897 cover plate, 3825-1917 cover plate and 3825-1918 gasket.

Notes:

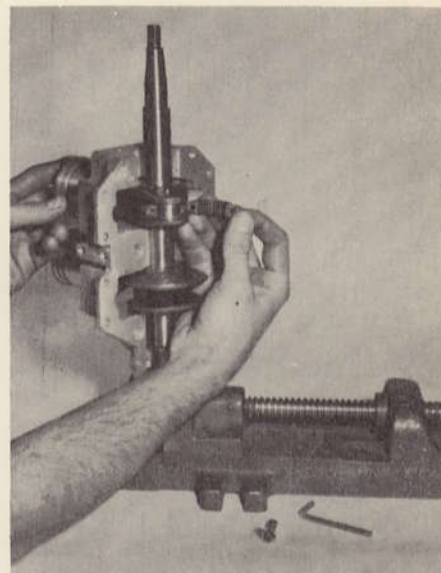


## ASSEMBLY

1. Fasten the pistons to the connecting rods. See Instructions given under #1 for the single cylinder model.

2. Install the center main inserts. The half with the oil groove goes into the back half of the crankcase so that the groove follows the direction of rotation of the crankshaft. The other insert goes in the front half of the case with the beveled edge on the left hand side of the crankcase half when looking into this part. Correctly assembled, oil will enter the bearing from the hole in the back half of the case, follow the shaft around to the parting surface and spread out across the bearing in the level.

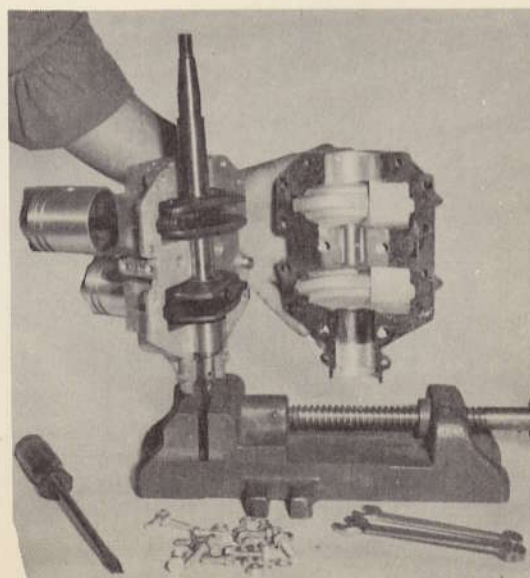
3. Coat the rods and caps with grease and lay 14 needles in each of the halves. If you are using the same needles, remember to put the needles back on the same rod and install the rod on the same crank pin. Place the back half of the case in position on the crankshaft and install the piston-rod assembly with the piston baffle facing the intake side. Replace the caps and tighten the cap screws to a torque reading of 70-80 inch pounds.



*Installing rods on crankshaft.*

4. Coat the parting surfaces of the crankcase and the area covered by the lower main cage with a thin layer of aviation grade permatax being careful to keep it away from bearings and oil holes.

5. Slide the bottom main on the shaft, with the grease seal outward, so that the locating pin engages the hole in the lower main bearing cage. Bolt the two halves of the crankcase together, but do not tighten them down until after the top main bearing cage is in position.



*Assembling crankcase halves.*



**CAUTION:** When installing the bearing cages, be very careful not to distort the grease seal. You may find it helpful to use a small screwdriver to work the seal around the shaft. The seal can also be expanded by inserting a cylindrical shaped strip of cardboard between the shaft and the seal. After the bearing is in position, the cardboard can be removed.

6. Apply a thin layer of permatex on both sides of the gasket and slide the top main bearing cage on the shaft being careful not to damage the grease seal. Tighten down the bearing cage and the bolts in the crankcase. Check to see that the crankshaft is free and turns easily.

7. Install the two rings on each piston with the bevel on the inside facing the top of the piston.

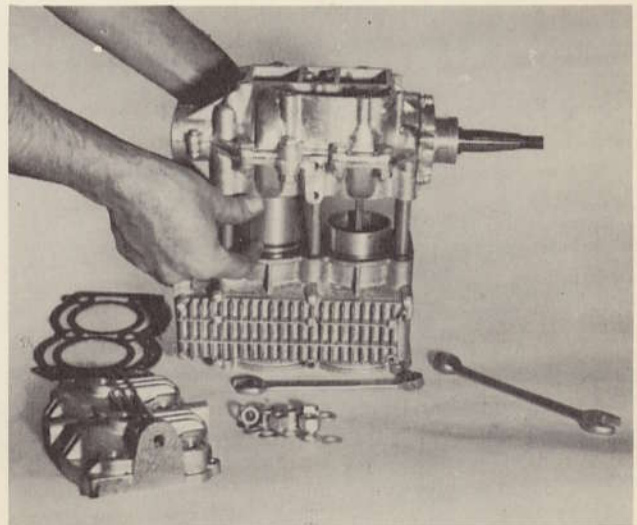
8. Screw the long studs into the crankcase and slide the "O" rings over the four bottom studs. Place a new gasket over the studs.

9. Slide the block on the studs and start the two pistons in. Compress the rings over the locating pins and slide one piston at a time into the block. Install the head over a new gasket and replace the special washers. Tighten the nuts reasonably snug, then draw them all up to a torque reading of 250 inch pounds. After the motor has been warmed up on a test tank, tighten them again.

10. Replace brackets according to the drawings in the parts page of this section.

11. The intake and exhaust cover plates can be removed and replaced at any time.

12. Bolt the power head on the lower motor casing using a new exhaust flange gasket.



*Compressing rings in block.*



## THINGS TO WATCH FOR

Water In Cylinders. The head gasket on early model 518's was later replaced with one that has a copper grommet around the cylinder. If you find that a head gasket has blown, or if you are disassembling the 10 HP engine, install this new type gasket. The earlier gaskets can be used if you apply permatex on both sides, tighten the head nuts, then tighten them again after the motor has been warmed up on a test tank.

Frayed Or Broken Reeds. The reed valve plate was improved for 1951 production by bridging the slots in the plate with a small bar. The reeds on the new plate have also been improved. Replace old style reed valve plate assembly when working on this model. See Section D-4

Water Leaks Around Head Bolts. Replace the special washers under the head nuts and smooth out any irregularities around the holes in the head. These washers must form a water-tight seal. The soft aluminum washers used on early production have been replaced with a steel washer.



## 16 HP TWIN CYLINDER

The 16 HP engine is designed so that you can service it as quickly, and economically as possible. All bearings are replaceable at minimum cost, the crankcase is separate from the block and the head is removable. All of these points make it possible for you to service this powerhead without undue replacements.

The top main bearing consists of two needle roller bearings held in a cage, the center main has loose needles and the bottom main is a needle roller bearing held in a cage. These bearings can be replaced individually.

The connecting rods have two rows of loose needles on the crankpin and two needle bearing assemblies on the wrist pin. The connecting rod cap is fractured like the rod on the 10 HP so that it will always fit on the rod perfectly.

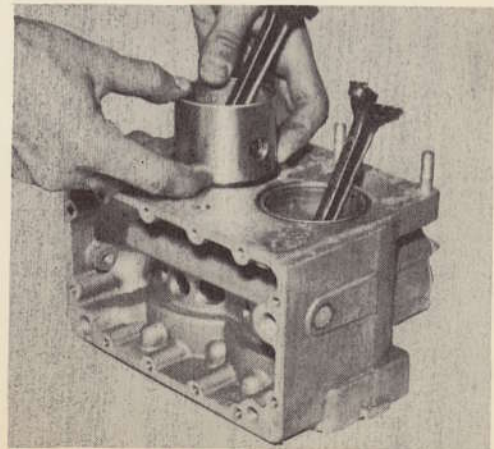
The 509-1852 rod is obsolete and superseded by 3925-1852.

The type of center main bearing has changed from time to time with the use of a different crankcase. 509 and 519 models use a 509-1932 center main bearing with the 509-1860 crankcase. The same assemblies are used on the early '52 models (Thru Serial #39251500). 3925-1860 crankcase assembly with cast in center bearing was used on late '52 models (Serial #39241501 through 39252000) and on early '53 models (Serial #39351001 through 39351500). The late '53 and all '54 models use a 3935-1860 crankcase assembly with a 3935-1932 center bearing assembly. This crankcase has a cast-in bronze seal about 1/2" lg and a step to a larger bore for inserting the roller bearings and retainer.

Either 3925 or 3935-1851 crankshaft can be used with 3935-1860 crankcase and 3935-1932 bearing assembly. The only difference between these two crankshafts is the method of connecting to the driveshaft. (3925-1851 drives with a flat key and slot in the bottom of the crankshaft, 3935-1851 drives through a spline).

### ASSEMBLY

1. Fasten the pistons to the connecting rods. Follow instructions under #1 for the single cylinder. Be especially careful that the rod does not cock, allowing the wrist pin to force the needle bearings out of position.
2. Install the three rings on the piston. The type of positioning pin was changed on the model 519 so be sure to use the proper rings.
3. Insert the pistons in the block from the crankcase end with the piston baffle facing the intake side. Be sure that the rings are properly positioned on the pins.

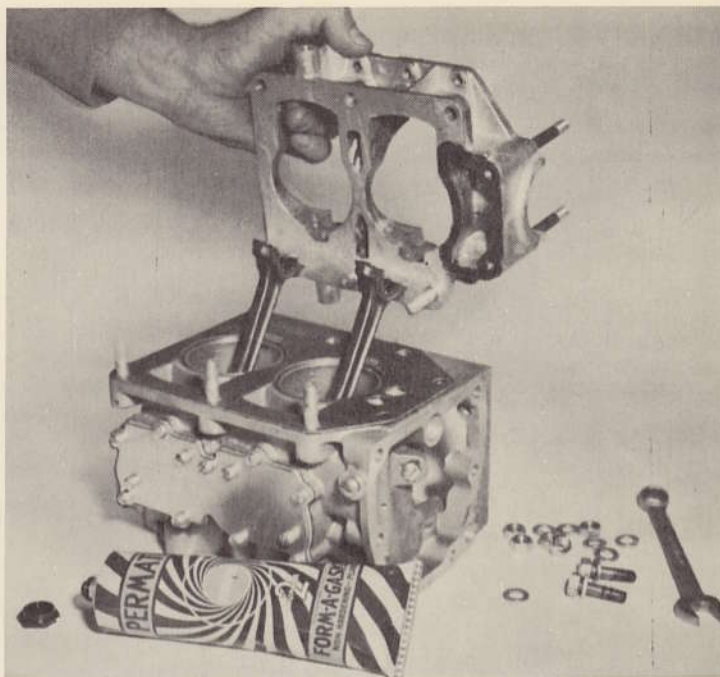


*Compressing rings in block.*



4. Apply Form-a-Gasket #2 around the water jacket on both the block and crankcase half and bolt the back half of the crankcase on the block. Grind down the walls of a 1/2" box end wrench so that it will fit around the nuts.

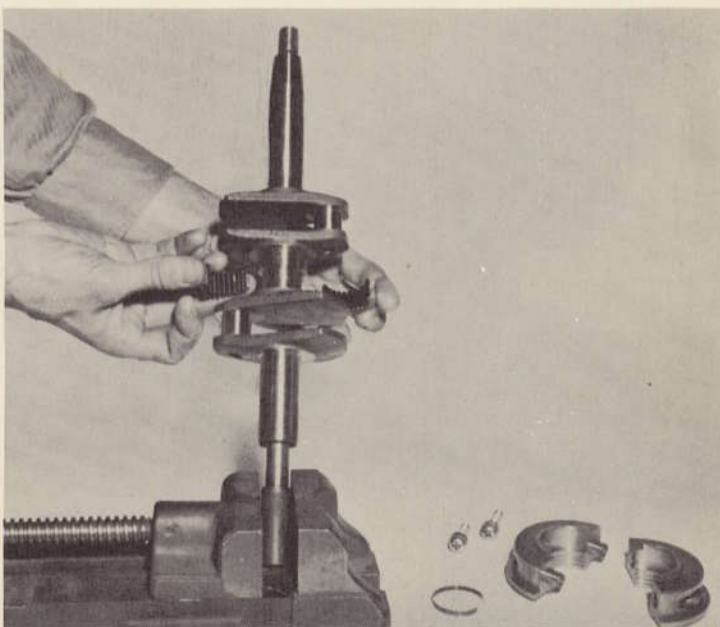
NOTE: You can save considerable time by leaving the back half of the crankcase on the block when disassembling, which eliminates the necessity of removing the exhaust cover plate. In this case, the pistons have to be inserted from the head end.



*Replacing back half of crankcase.*

5. Push the pistons into the block so that only the ends of the rod are exposed. Coat the bearing surface with grease and lay two rows of 14 needles in each cap and each rod. It is advisable to lay out and count the 56 needles for each rod so that you can be sure none of the needles are dropped and left loose in the block.

6. Coat the bearing race for the center main and lay 14 needles in one half, 13 in the other half. Install this bearing on the crankshaft with the narrow land on top facing the flywheel, and slip the band over the race. The center main needle bearing race cannot be replaced except in complete assembly 509-1932, which includes 509-1863 Retainer, 509-1905 Needle Bearing Race, 509-1906 Race Band.



*Installing Center main race.*

7. Replace the two halves of the bronze bearing retainer so that the race is held in position by the locating pin. The shoulder on the retainer goes up. Tighten the two Phillips head screws as tight as possible.



13. If the exhaust cover plate is removed, be sure that the gasket with the enlarged holes goes next to the block. The other gasket without the enlarged holes goes between the water cover plate and the exhaust cover plate.

14. Before installing the powerhead on the lower motor casing, check to see that the "O" ring and water line sleeve are in position in the bottom of the block. Use care installing the powerhead to see that the water line enters the proper opening in the block.

### THINGS TO WATCH FOR

Water In the Lower Cylinder. On the model 509, check to see that the lower motor casing has been modified by drilling drain holes as explained on page 3 of Section H. This could also be caused by a porous spot in the crankcase. Check especially to see that water cannot enter the oil passage drilled to the lower main bearing.

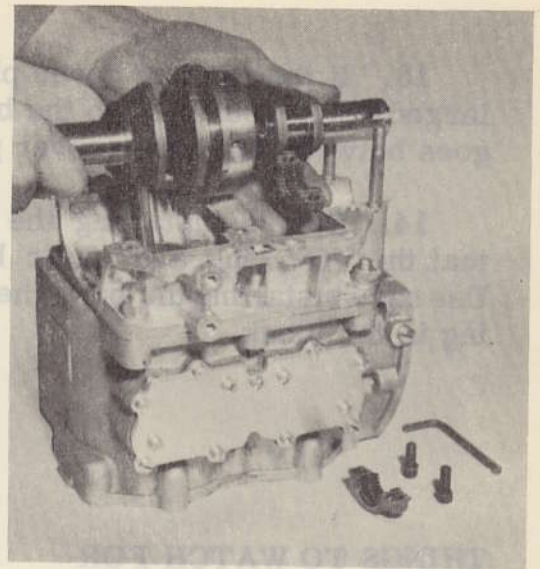
Water in the Upper Cylinder. Check first to see that the proper gaskets are in place on the exhaust cover plate. You may find the wrong gasket next to the block. Check for porous castings. If you do find water in either cylinder, it is best to disassemble the powerhead and replace those parts that are rusted. Be sure that the bearings and the bottom main grease seal are in good condition.

Rings Worn Badly Around the Gap. If the rings are not held in position by the pins, they will wear rapidly. Be sure that the positioning pins have not been pushed too far into the ring groove.

The rings used on the model 519 are positioned by a pin on the side of the groove instead of in the bottom. Be sure to use the proper rings.



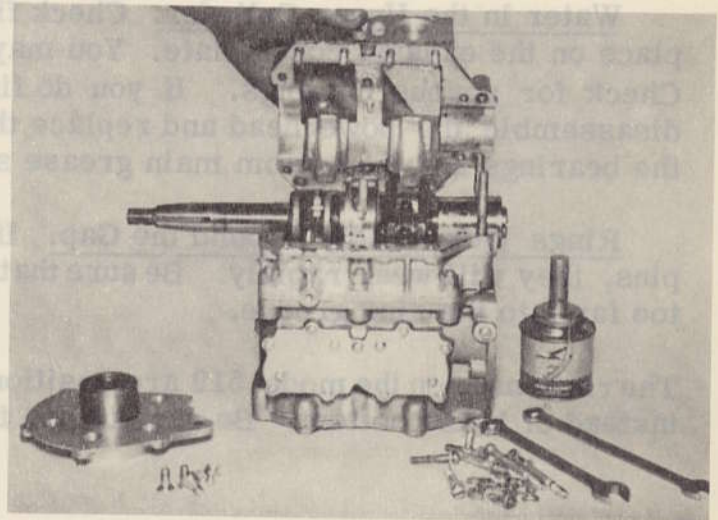
8. Lay the crankshaft in position over one of the rods, replace that cap, then lay the shaft over the other rod and replace the second cap. Tighten the Bristol cap screws to a torque reading of 140-160 inch pounds.



*Laying Crankshaft over rods.*

9. Slide the bottom main over the shaft and push the shaft down into position so that the bottom main is engaged by the locating pin. See instructions under #5 for the 10 HP engine for hints on preventing damage to the grease seal.

10. Apply Permatex to the parting surface of the crankcase half and around the bottom main, being careful that it will not ooze out into the bearings or oil holes. Replace the crankcase half and screw the nuts up lightly.



*Replacing front crankcase half.*

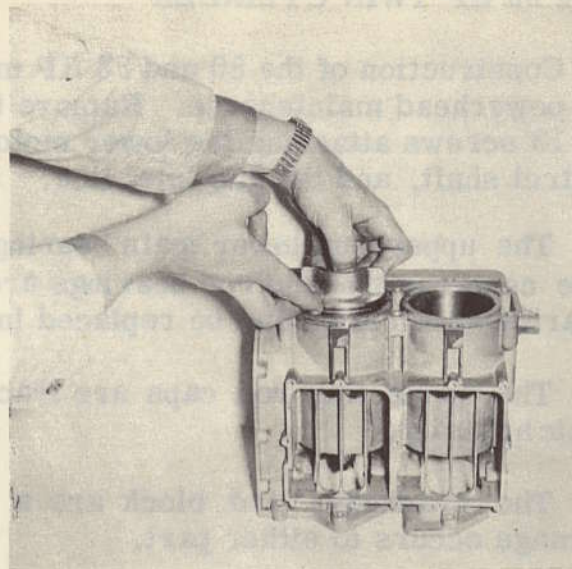
11. With the "O" ring in position, replace the top main bearing cage and draw the screws up lightly. Make sure that the crankcase halves are lined up, then tighten down the crankcase and the top main. If the shaft binds, loosen the case and re-align. (When disassembling, it is usually necessary to loosen the crankcase halves before removing the top main bearing cage). Early 519's, stamped with an S on the side of the crankcase, have a 0.060 shim under the top main bearing cage. Be sure this gasket is put back in when assembling.

12. Replace the head over a new gasket and tighten the head bolts to a torque reading of 225 inch pounds. The early 509 head that has one expansion plug uses two head gaskets while the later head with three expansion plugs uses only one.

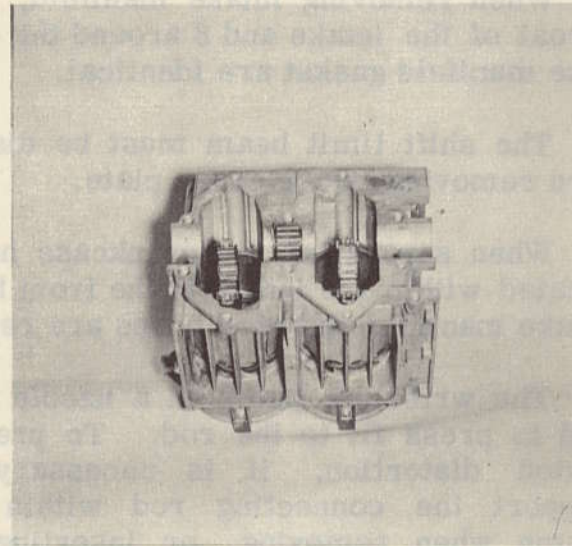


## ASSEMBLY

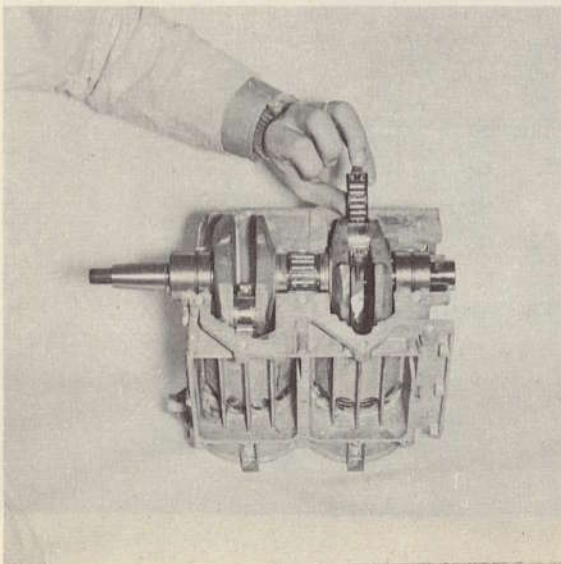
1. With the rings on the pistons, compress the rings and fit pistons into the block with the baffle to the intake side of the block.
2. Set center main race, rollers, and cage in place. The rollers fit on the underside of the cage, or between cage and race - (16 rollers per center bearing assembly).
3. Assemble rod bearings in cage, and place on the rods (17 or 18 rollers per assy, depending on type of cage). There is one roller per slat, with size determined by slat size. Do not interchange rollers and cages.
4. Slide the upper and lower main bearings onto the crankshaft with the oil seals to the outside. It is advisable to use a thin, smooth guide (such as shim stock) wrapped around the shaft. This will prevent any possible damage to the bearing seals.



*Inserting Piston in Block*



*Center Main and Rod Bearings*



*Assemble Rod Caps and Mains*

5. Set the crankshaft in place on the block, seating the upper and lower mains on the dowel pins. Assemble center main and rod cap bearings. Always check closely to see that no needles have fallen into the block.



## 30 & 33 HP TWIN CYLINDER

Construction of the 30 and 33 HP motors permits simplified access throughout for powerhead maintenance. Remove the complete powerhead simply by removing the 13 screws attaching the lower motor casing to the powerhead, the vertical speed control shaft, and the gas inlet line.

The upper and lower main bearings, and wrist pin bearings are caged rollers. The center-main and rod bearings are needle-roller bearings held in a cage. The bearing assemblies can be replaced individually.

The connecting rod caps are fractured for perfect fit, with each rod and cap a matched pair.

The crankcase and block are a matched set, and both must be replaced if damage occurs to either part.

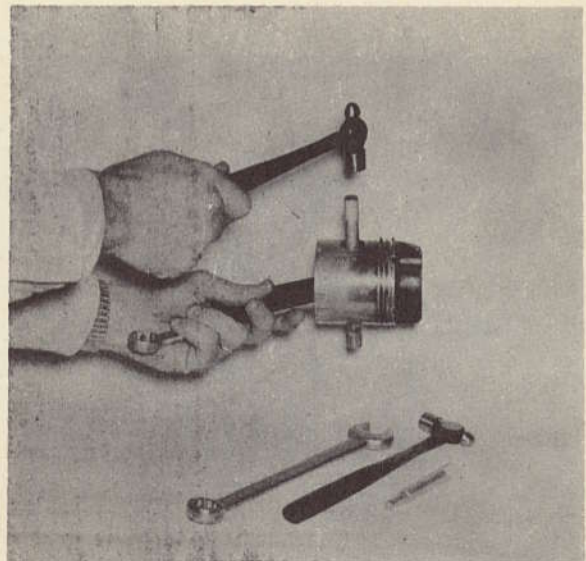
### TIPS FOR DISASSEMBLY

When removing intake manifold, there is 1 concealed screw located within the throat of the intake and 8 around the outside. The reed-valve plate gasket and intake manifold gasket are identical.

The shift limit beam must be disconnected at it's center pivoting location before removing intake cover plate.

When separating the crankcase halves, the 2 center main bearing screws are located within the intake in the front half of the case. These are exposed when the intake manifold and reed boxes are removed.

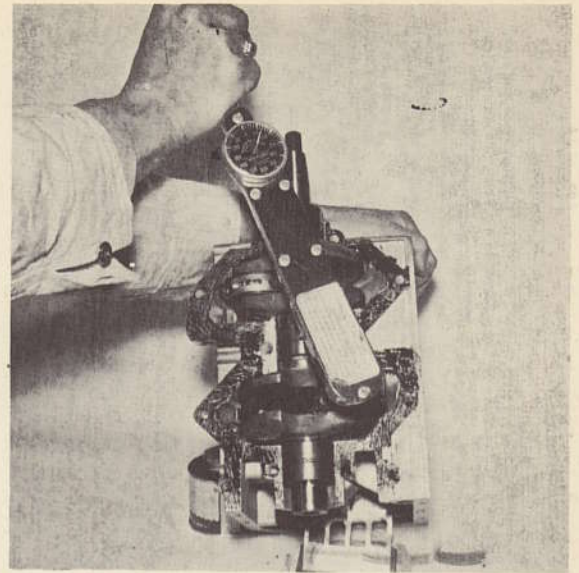
The wrist-pin floats in a needle bearing assembly in each side of the piston, and is press fit to the rod. To prevent piston distortion, it is necessary to support the connecting rod within the piston when removing, or inserting the wrist-pin. Place a 13/16" open end wrench around the pin on the under side of the rod - hold wrench and rod firmly, or clamp wrench in a vice - Insert punch into pin -- tap wrist-pin out or in with a hammer.





6. Torque set the rod-cap screws to 160 lbs. The bearings and cages on the rods must rotate freely even after tightening.

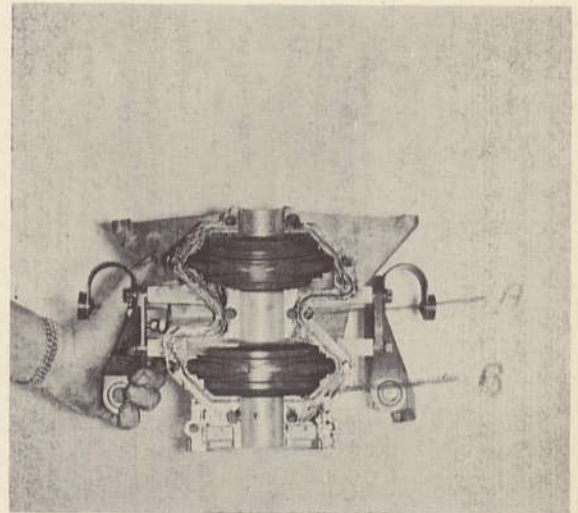
7. Apply Permatex #3 to both halves of the crankcase.



*Torquing Rod Cap Screws*

8. Insert new drain plug seal (A), and seal-line between crankcase halves (B).

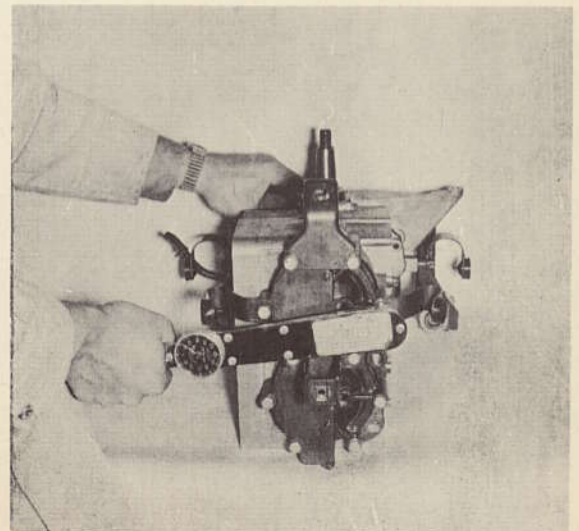
When assembled, and with intake cover plate off, rotate crankshaft in both directions to detect any possible signs of rubbing, binding, or the feeling of rollers skipping in a cage. The latter will indicate an incorrect number of rollers in a bearing. There is one roller in each slot in the cage. A poor match between rod-body and cap or between bearing races will also be indicated by the feeling of skipping in the cage.



*Crankcase Seals*

9. Replace the head, and torque the bolts to 150 lbs. Retighten the head bolts after a short run-in period.

Always use new gaskets and seals when completing any maintenance.



*Torquing Head Bolts*



NOTE: For illustrative purposes the crankshaft has been removed from the motor and is shown without the piston and rod assemblies.



CRANKSHAFT COLLAR INSTALLED



CRANKSHAFT BOOT INSTALLED

Install the crankshaft collar by tapping it onto the end of the crankshaft. The collar should be positioned flush with the end of the shaft as shown. After the collar has been installed, slip the boot into position, secure it with the retainer ring, and re-assemble the motor

### CENTER BLEED TUBE

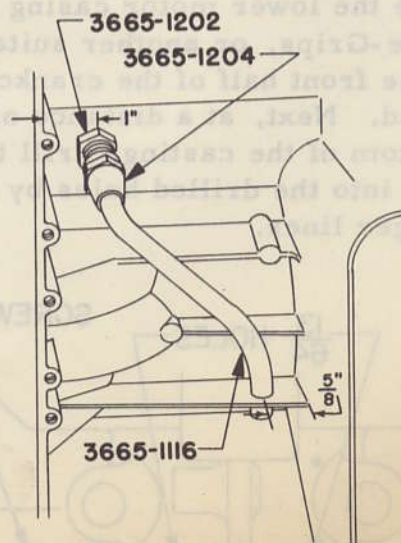
All 30 and 33 HP motors produced after Serial Number 3665-3566 are equipped with a center bleed tube located midway between the cylinders. This bleed tube assures an adequate flow of water through the central cooling passage. This feature should be installed on all 30 and 33 HP motors produced prior to Serial Number 3665-3566.

To install, drill an 11/32" hole in the block according to the dimensions shown in the illustration.

NOTE: Drill this hole to a depth of approximately 3/4", and check to make certain it extends into the cooling passage.

Tap the drilled hole (1/8-27 National Pipe Tap) to accommodate the bleed tube connector.

Next, drill a 5/16" hole through the web of the cylinder block casting to receive the end of the bleed tube, and complete the installation as shown.



Order the required parts from your dealer.

	<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>	<u>Price</u>
Sect. F-20	1	3665-1204	Connector Bleed Tube	.25
	1	3665-1115	Bleed Tube & Nut Assy.	.35



BOOT KIT

All 30 and 33 HP motors manufactured after Serial Number 3665-1011 are equipped with a neoprene boot on the lower end of the Crankshaft. This boot prevents water, which has a tendency to climb up the rotating driveshaft, from reaching the lower main bearing and causing subsequent rusting of the bearing and the driveshaft splines. In addition, the boot insures adequate lubrication of the lower main bearing by retaining oil from the scavenge lines. Installation of the Boot Kit is recommended on all motors produced prior to Serial Number 3665-1011.

NOTE: Replacement crankshafts are identical with those used in current production and use a different boot. These crankshafts can be identified by a boot anchor groove which is ground into the lower end of the crankshaft.

The SK ~~7640~~ Boot Kit contains the following parts:  
7670

Part No.	Description	Qty.	List Price
SK 7619	Crankshaft Collar	1	\$ .75
SK 7617	Crankshaft Boot	1	2. 20
3665-1960	Boot retainer ring	1	.45
SK 7469	Self-tapping screw	2	.10
3655-1222	Scavenger line fitting	2	.24

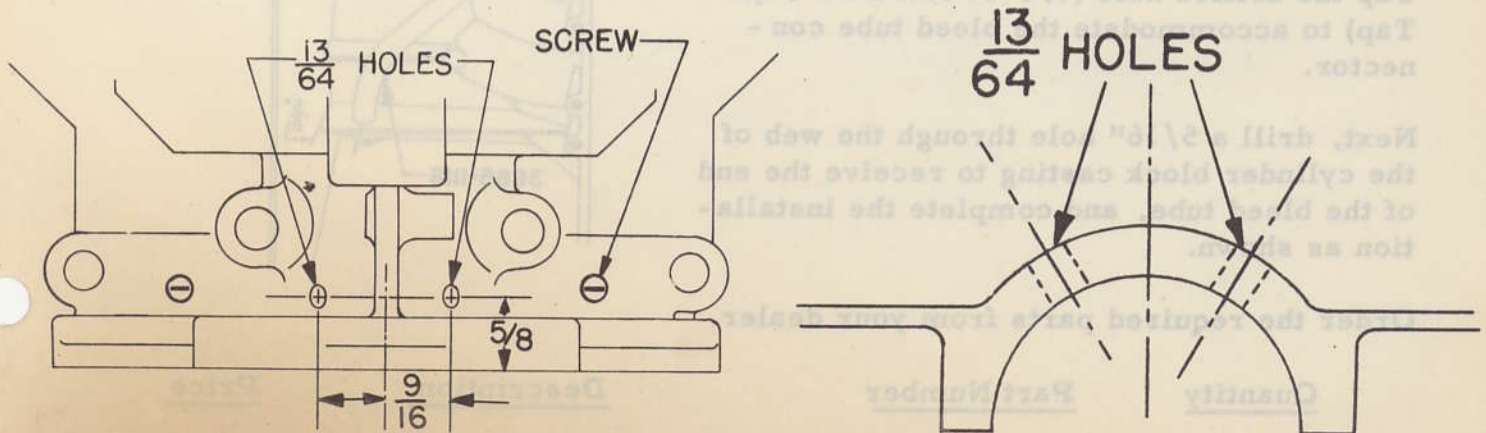
Preparing the motor for installation of the Boot Kit requires changing the location of the Scavenger line fittings. This operation necessitates removing the front half of the Crankcase and drilling two holes to receive the new fittings.



BOOT KIT

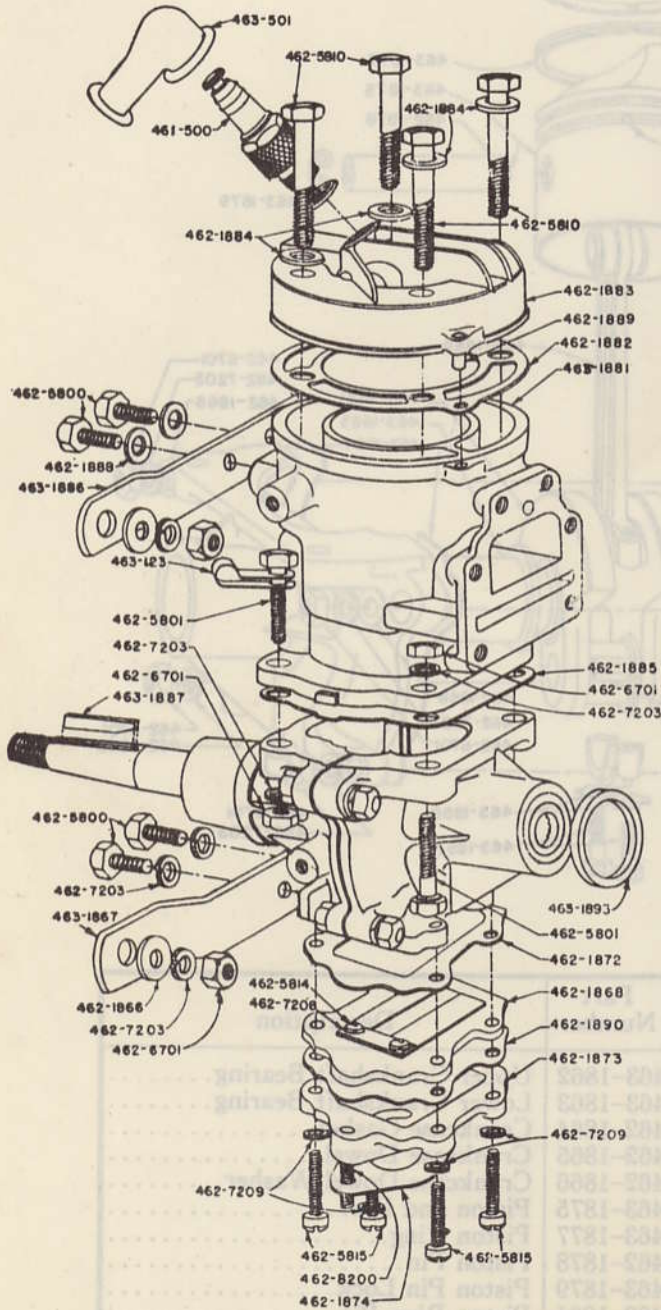
INSTALLING SCAVENGER LINE FITTINGS

Remove the lower motor casing and front half of the crankcase from the motor. Using Vise-Grips, or another suitable tool, remove the two scavenger line fittings from the front half of the crankcase and plug these holes with the self-tapping screws provided. Next, at a distance of  $9/16$ " from the crankshaft centerline and  $5/8$ " from the bottom of the casting, drill two holes with a  $13/64$ " drill as shown. Seat the new fittings into the drilled holes by tapping them lightly with a hammer and connect the scavenger lines.





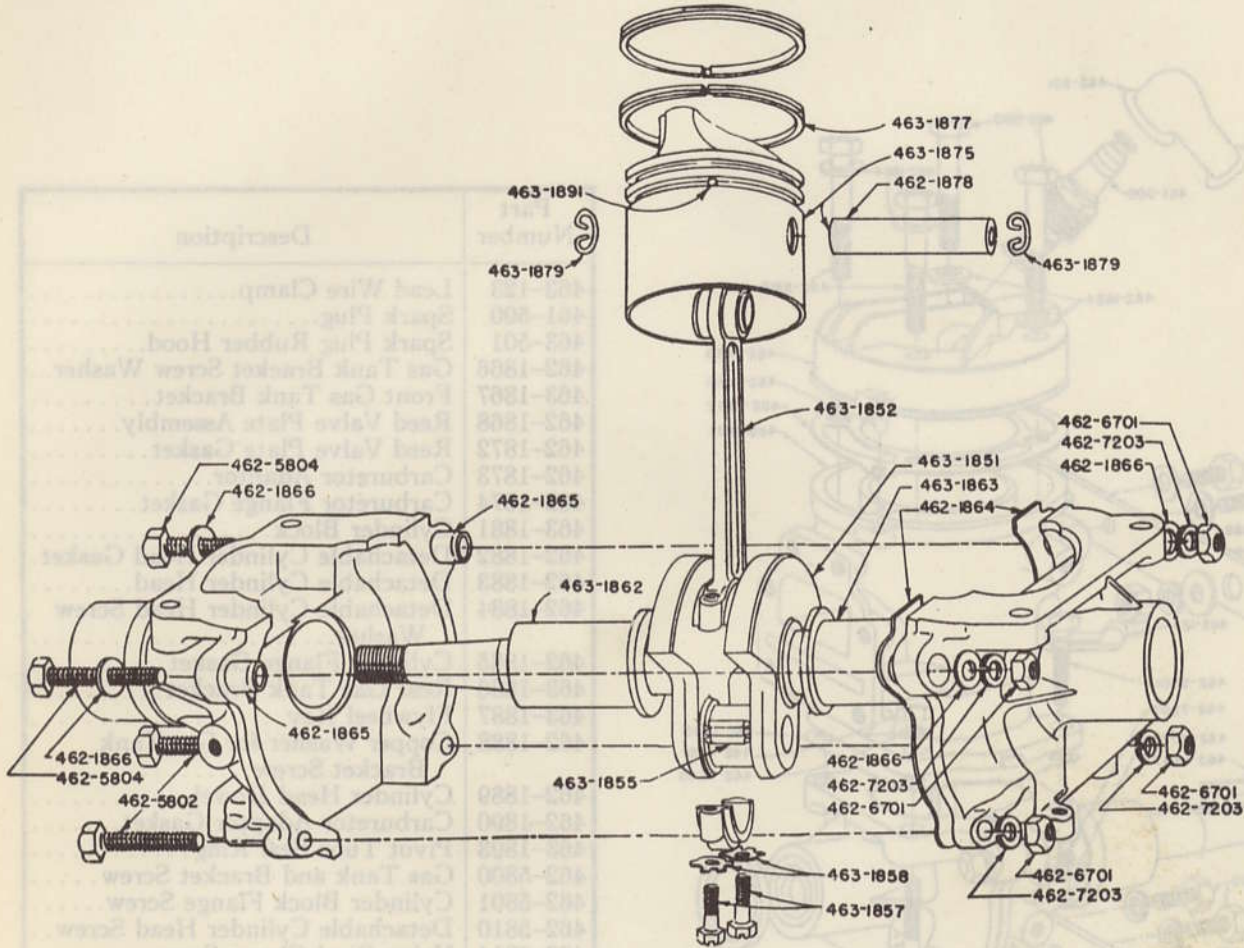
## POWERHEAD 461-467



Part Number	Description
463-123	Lead Wire Clamp.....
461-500	Spark Plug.....
463-501	Spark Plug Rubber Hood.....
462-1866	Gas Tank Bracket Screw Washer..
463-1867	Front Gas Tank Bracket.....
462-1868	Reed Valve Plate Assembly.....
462-1872	Reed Valve Plate Gasket.....
462-1873	Carburetor Adaptor.....
462-1874	Carburetor Flange Gasket.....
463-1881	Cylinder Block.....
462-1882	Detachable Cylinder Head Gasket..
462-1883	Detachable Cylinder Head.....
462-1884	Detachable Cylinder Head Screw Washer.....
462-1885	Cylinder Flange Gasket.....
463-1886	Rear Gas Tank Bracket.....
463-1887	Flywheel Key.....
462-1888	Copper Washer for Gas Tank Bracket Screw.....
462-1889	Cylinder Head Dowel.....
462-1890	Carburetor Adaptor Gasket.....
463-1893	Pivot Tube Seal Ring.....
462-5800	Gas Tank and Bracket Screw.....
462-5801	Cylinder Block Flange Screw.....
462-5810	Detachable Cylinder Head Screw..
462-5814	Valve Reed Clamp Screw.....
462-5815	Carburetor Adaptor Plate Screw...
462-6701	Cylinder Block Flange Screw Nut..
462-7203	Lock Washer for Cylinder Block Flange Screw Nut.....
462-7203	Lock Washer—Gas Tank and Bracket Screw.....
462-7208	Lock Washer for Valve Reed Clamp Screw.....
462-7209	Lock Washer for Carburetor Adaptor Plate Screw.....
462-8200	Carburetor Flange Stud.....



## CRANKCASE 461-467



Part Number	Description
463-1851	Crankshaft.....
463-1852	Connecting Rod & Cap (Includes 463-1855, 463-1858 & 463-1857).....
463-1855	Connecting Rod Crank Pin Roller Set (24).....
	Note: When replacing rollers of a Connecting Rod that is identified by a white mark, order 463-1855-0 (oversize—23 per set).....
463-1857	Connecting Rod Screw.....
463-1858	Connecting Rod Screw Lock.....
463-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings).....

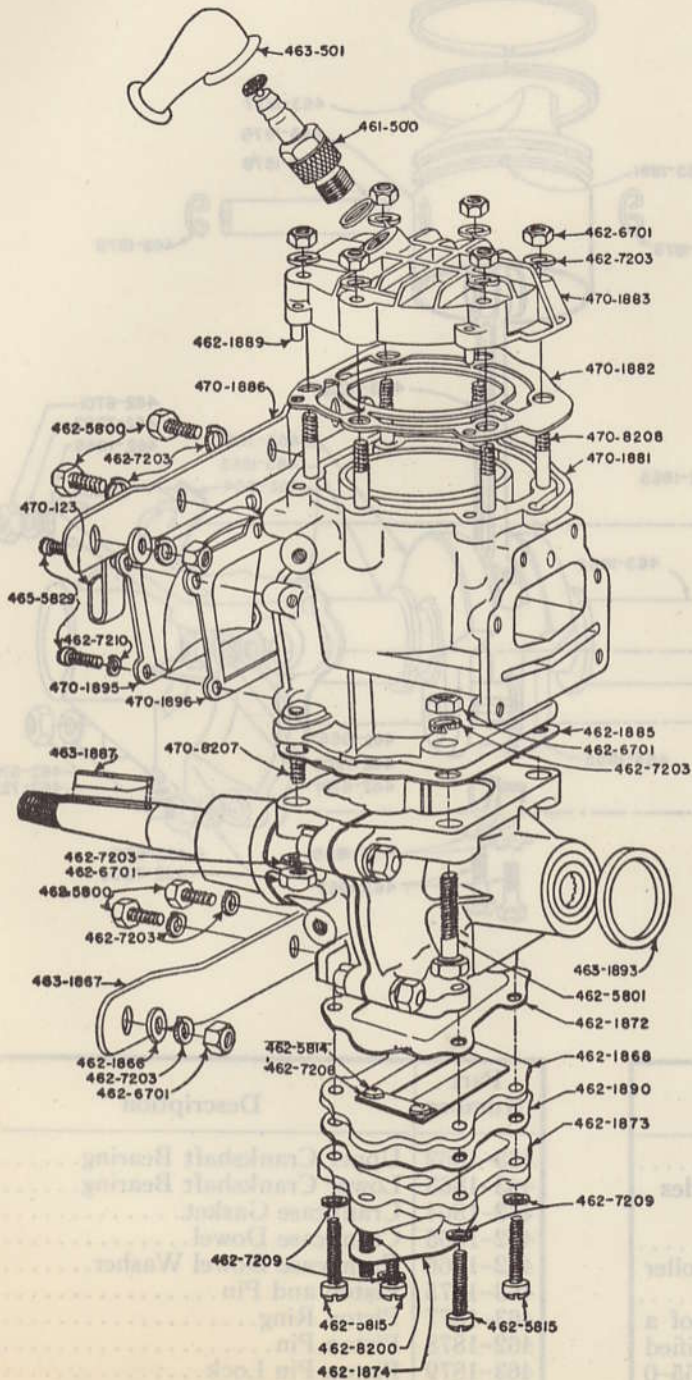
Part Number	Description
463-1862	Upper Crankshaft Bearing.....
463-1863	Lower Crankshaft Bearing.....
462-1864	Crankcase Gasket.....
462-1865	Crankcase Dowel.....
462-1866	Crankcase Dowel Washer.....
463-1875	Piston and Pin.....
463-1877	Piston Ring.....
462-1878	Piston Pin.....
463-1879	Piston Pin Lock.....
463-1891	Piston Ring Pin.....
462-5802	Front Crankcase Flange Screw.....
462-5804	Rear Crankcase Flange Screw.....
462-6701	Crankcase Flange Screw Nut.....
462-7203	Lock Washer for Crankcase Flange Screw Nut.....







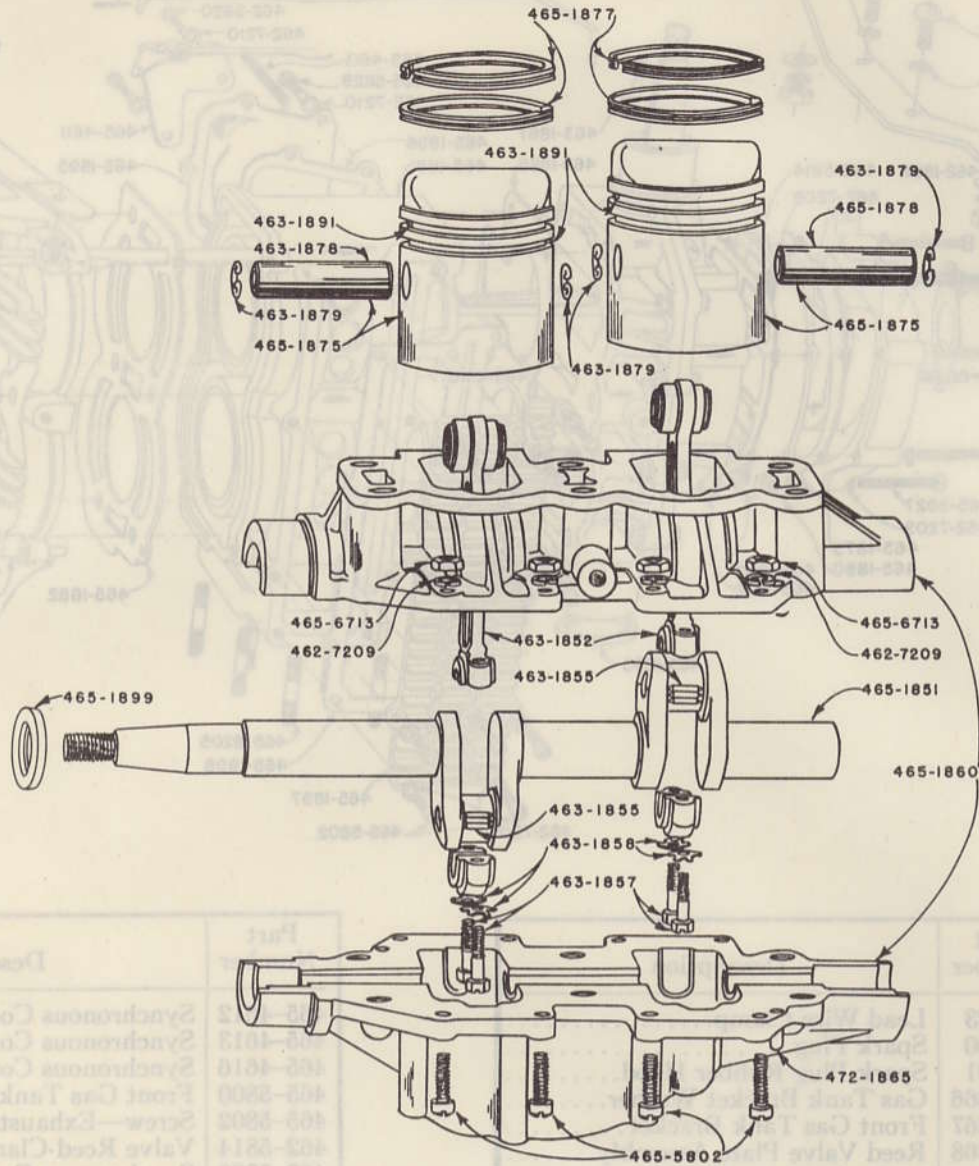
# POWER HEAD 470-471



Part Number	Description
470-123	Lead Wire Clamp.....
461-500	Spark Plug.....
463-501	Spark Plug Rubber Hood.....
462-1866	Gas Tank Bracket Screw Washer..
463-1867	Front Gas Tank Bracket.....
462-1868	Reed Valve Plate Assembly (Exchange Price \$.50).....
462-1872	Reed Valve Plate Gasket.....
462-1873	Carburetor Adaptor.....
462-1874	Carburetor Flange Gasket.....
470-1881	Cylinder Block.....
470-1882	Cylinder Head Gasket.....
470-1883	Cylinder Head.....
462-1885	Cylinder Flange Gasket.....
470-1886	Rear Gas Tank Bracket.....
463-1887	Flywheel Key.....
462-1889	Cylinder Head Dowel.....
462-1890	Carburetor Adaptor Gasket.....
463-1893	Pivot Tube Seal Ring.....
470-1895	Intake Cover Plate.....
470-1896	Intake Cover Plate Gasket.....
462-5800	Gas Tank Bracket Screw.....
462-5801	Cylinder Block Flange Screw.....
462-5814	Valve Reed Clamp Screw.....
462-5815	Carburetor Adaptor Plate Screw..
465-5829	Intake Cover Plate.....
462-6701	Cylinder Block Flange, Cylinder Head and Gas Tank Nut.....
462-7203	Lock Washer—Gas Tank, Cylinder Block Flange, Cylinder Head and Bracket.....
462-7208	Lock Washer—Valve Reed Clamp Screw.....
462-7209	Lock Washer—Carburetor Adaptor Plate.....
462-7210	Lock Washer—Intake Cover Plate..
462-8200	Carburetor Flange Stud.....
470-8207	Cylinder Block Flange Stud.....
470-8208	Cylinder Head Stud.....



## CRANKCASE 473



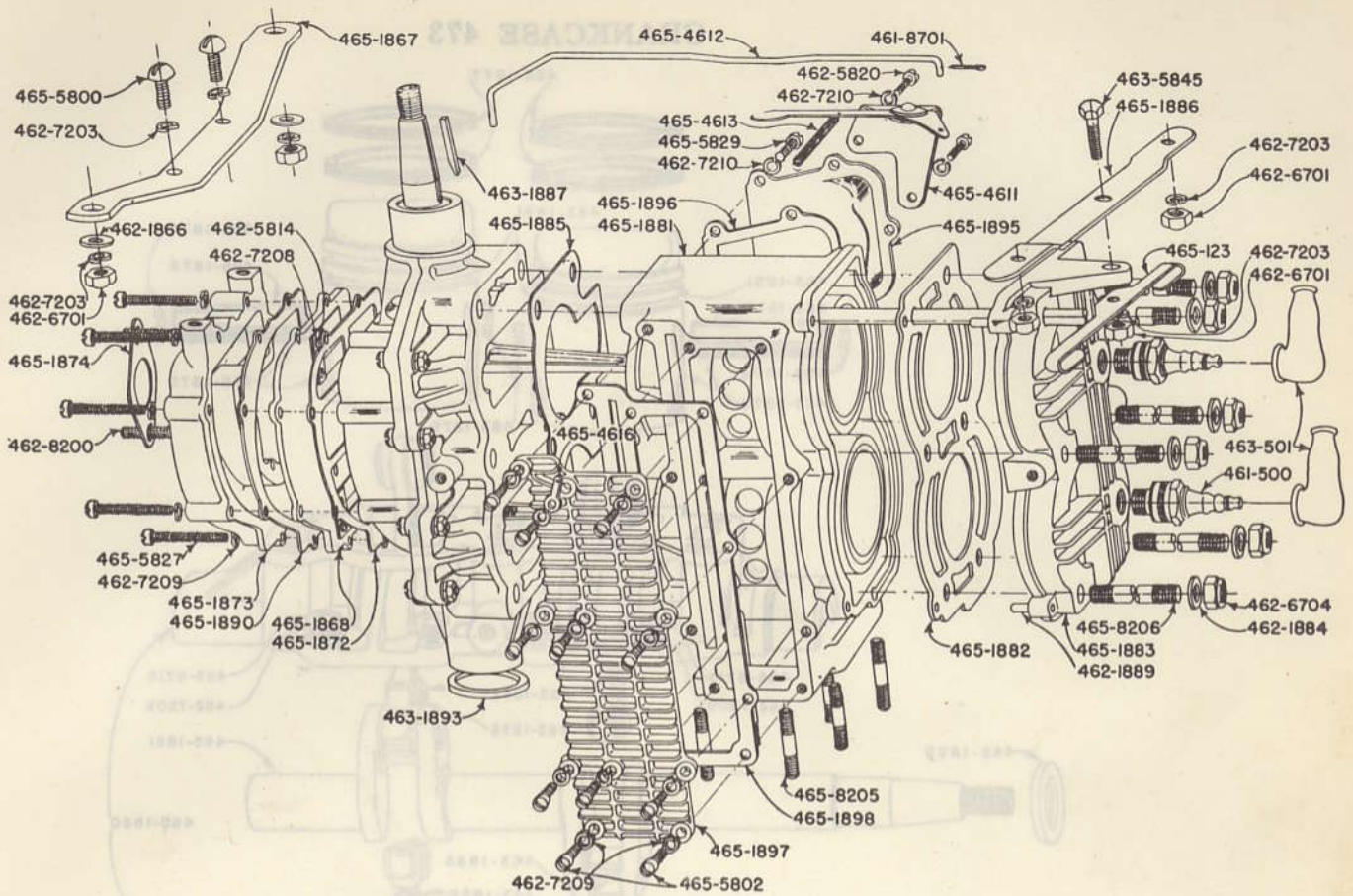
Part Number	Description
465-1851	Crankshaft.....
463-1852	Connecting Rod Assembly (Includes 463-1855, 463-1858 and 463-1857).....
*463-1855	Connecting Rod Crank Pin Roller Set (24).....
	NOTE: When replacing rollers of a connecting rod that is identified by a white mark, order 463-1855-0 (23 per set).....
463-1857	Connecting Rod Screw.....
463-1858	Connecting Rod Screw Lock.....
465-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings).....

\*Sold in sets only, to maintain uniformity

Part Number	Description
472-1865	Crankcase Dowel.....
465-1875	Piston and Pin.....
465-1877	Piston Ring.....
465-1878	Piston Pin.....
463-1879	Piston Pin Lock.....
463-1891	Piston Ring Pin.....
465-1899	Oil Seal—Upper Crankcase Bearing.....
465-5802	Screw—Crankcase Flange.....
465-6713	Nut—Crankcase Flange Screw.....
462-7209	Lock Washer—Crankcase Flange Screw Nut.....



# POWERHEAD 473

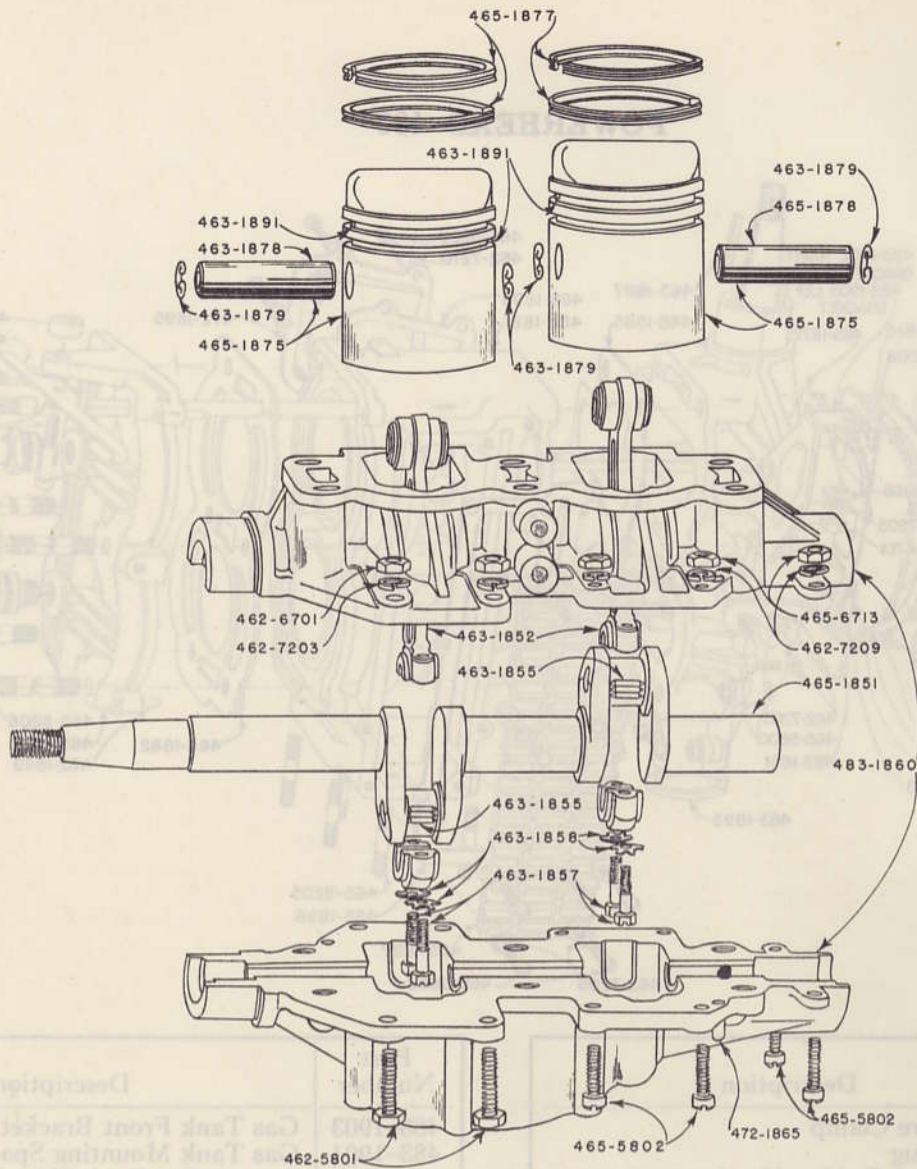


Part Number	Description
465-123	Lead Wire Clamp.....
461-500	Spark Plug.....
463-501	Spark Plug Rubber Hood.....
462-1866	Gas Tank Bracket Washer.....
465-1867	Front Gas Tank Bracket.....
465-1868	Reed Valve Plate Assembly..... (Exchange at \$1.00)
465-1872	Valve Reed Plate Gasket.....
465-1873	Intake Manifold.....
465-1874	Carburetor Flange Gasket.....
465-1881	Cylinder Block.....
465-1882	Cylinder Head Gasket.....
465-1883	Detachable Cylinder Head.....
462-1884	Detachable Cylinder Head Washer.....
465-1885	Cylinder Flange Gasket.....
465-1886	Rear Gas Tank Bracket.....
463-1887	Flywheel Key.....
462-1889	Cylinder Head Dowel.....
465-1890	Intake Manifold Gasket.....
463-1893	Pivot Tube Seal Ring.....
465-1895	Intake Cover Plate.....
465-1896	Intake Cover Plate Gasket.....
465-1897	Exhaust Cover Plate.....
465-1898	Exhaust Cover Plate Gasket.....
465-4611	Synchronous Control Lever and Bracket Assembly.....

Part Number	Description
465-4612	Synchronous Control Link.....
465-4613	Synchronous Control Lever Spring.....
465-4616	Synchronous Control Spring Lug.....
465-5800	Front Gas Tank Bracket Screw.....
465-5802	Screw—Exhaust Cover Plate.....
462-5814	Valve Reed Clamp Screw.....
462-5820	Synchronous Control Bracket Screw (2).....
465-5827	Intake Manifold Screw (long).....
462-5815	Intake Manifold Screw (short).....
465-5829	Intake Cover Plate Screw.....
463-5845	Gas Tank Rear Bracket Mounting Screw.....
462-6701	Gas Tank Bracket Nut.....
462-6704	Lock Nut—Cylinder Head.....
462-7203	Lock Washer— $\frac{1}{4}$ " Common.....
462-7208	Lock Washer—Valve Reed Clamp Screw.....
462-7209	Lock Washer—#10 Common.....
462-7210	Lock Washer—#8 Common.....
462-8200	Carburetor Stud.....
465-8205	Stud—Cylinder Exhaust Flange.....
465-8206	Stud—Cylinder Block.....
461-8701	Synchronous Control Cotter Pin.....



## CRANKCASE 483

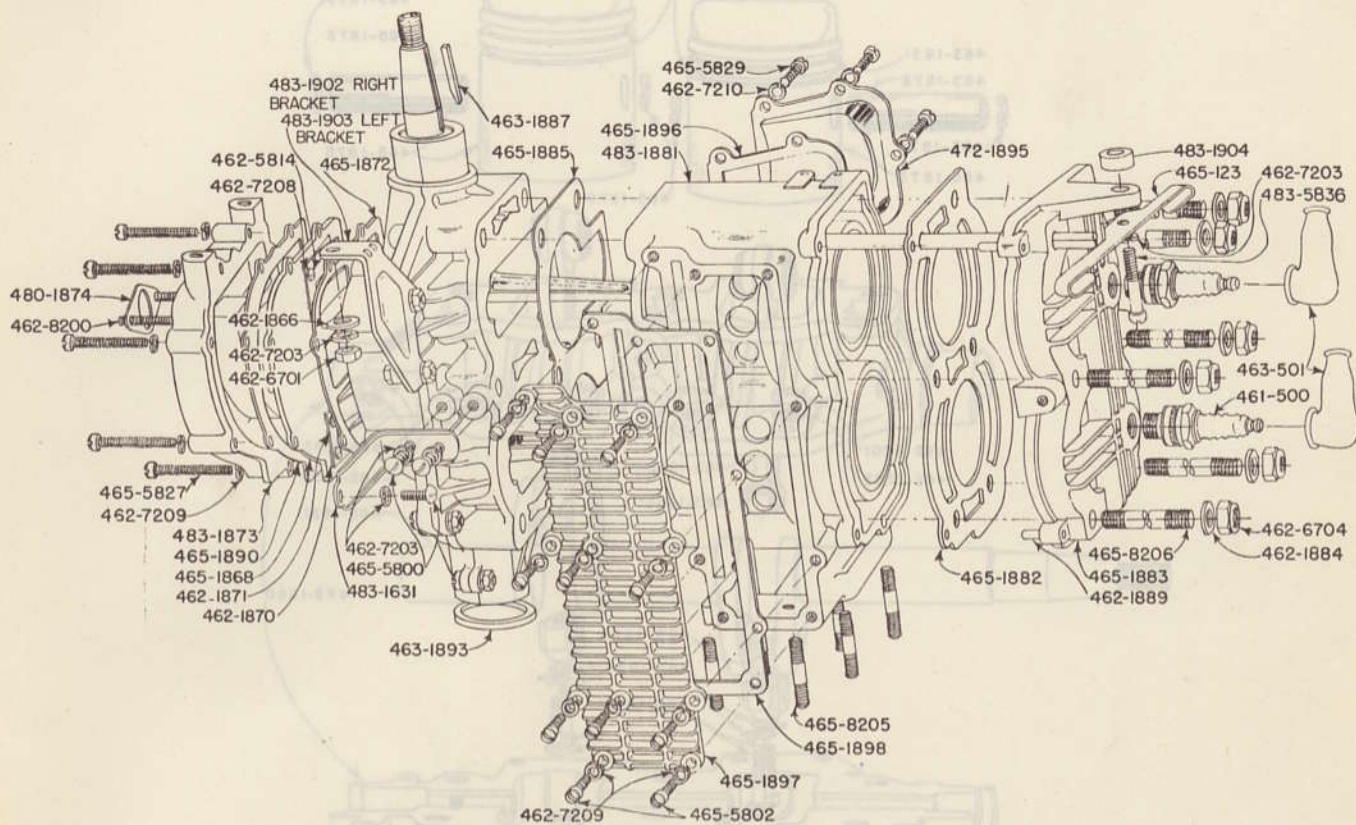


Part Number	Description
465-1851	Crankshaft
463-1852	Connecting Rod Assembly (Includes 463-1855, 463-1858 and 463-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24) <b>NOTE:</b> When replacing rollers of a connecting rod that is identified by a white mark, order 463-1855-0 (23 per set)
463-1857	Connecting Rod Screw
463-1858	Connecting Rod Screw Lock
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
*Sold in sets only, to maintain uniformity	

Part Number	Description
472-1865	Crankcase Dowel
465-1875	Piston and Pin
465-1877	Piston Ring
465-1878	Piston Pin
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5801	Screw (Long)—Crankcase Flange
465-5802	Screw (Short)—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw (Long)
465-6713	Nut—Crankcase Flange Screw (Short)
462-7203	Lockwasher—Crankcase Flange
462-7209	Lock Washer—Crankcase Flange
	Screw (Long) Nut
	Screw (Short) Nut



## POWERHEAD 483

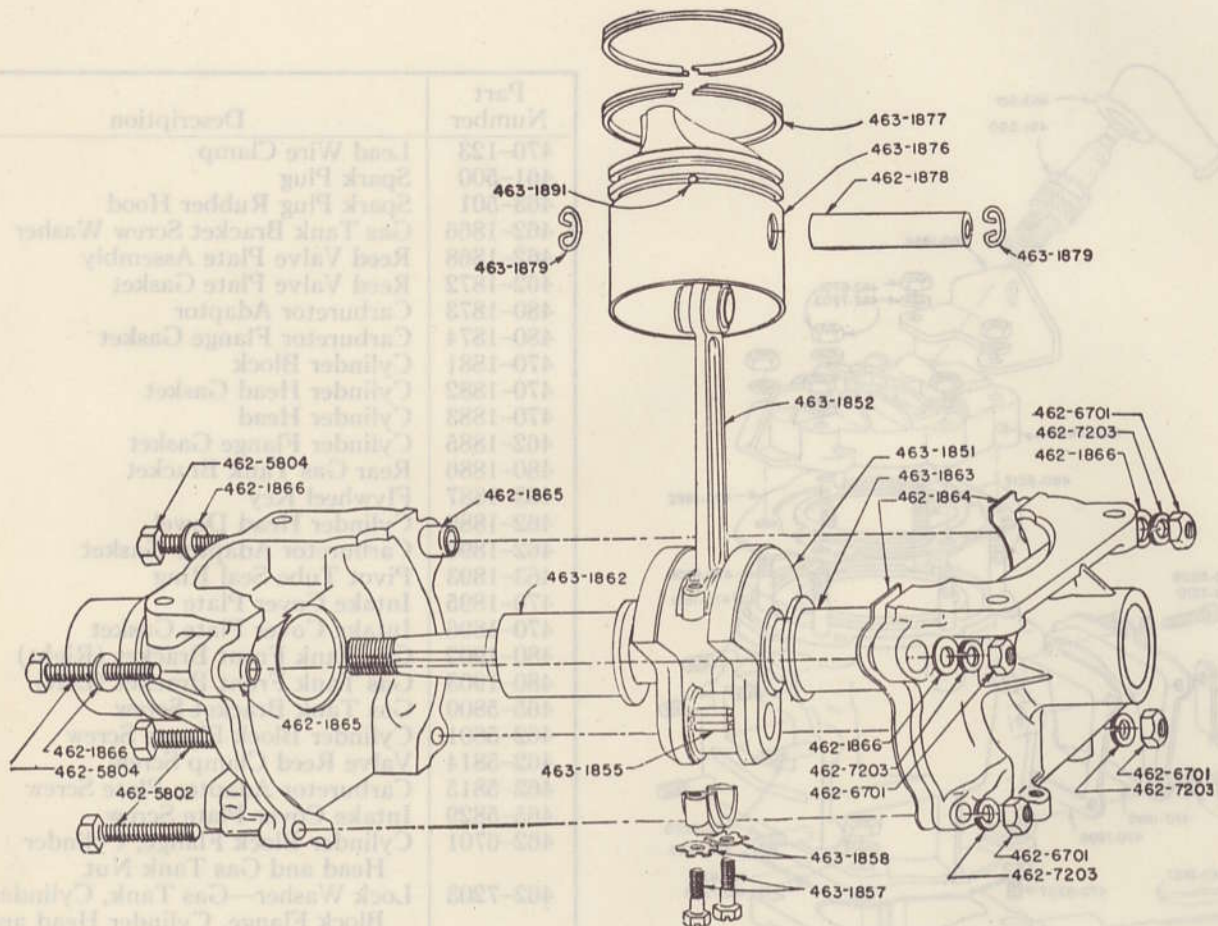


Part Number	Description
465-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
483-1631	Gas Tank Skirt Bracket
462-1866	Gas Tank Bracket Washer (Front)
465-1868	Reed Valve Plate Assembly
465-1872	Valve Reed Plate Gasket
483-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
483-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cylinder Head
462-1884	Detachable Cylinder Head Washer
465-1885	Cylinder Flange Gasket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
465-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
465-1897	Exhaust Cover Plate
465-1898	Exhaust Cover Plate Gasket
483-1902	Gas Tank Front Bracket (Right)

Part Number	Description
483-1903	Gas Tank Front Bracket (Left)
483-1904	Gas Tank Mounting Spacer (Rear)
465-5800	Screw—Gas Tank Skirt Front Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Valve Reed Clamp Screw
462-5815	Intake Manifold Screw (short)
465-5827	Intake Manifold Screw (long)
465-5829	Intake Cover Plate Screw
483-5836	Screw—Gas Tank Mounting (Rear)
462-6701	Nut—Gas Tank Mounting Screw
462-6704	Lock Nut—Cylinder Head
462-7203	Lock Washer—Gas Tank Mounting
462-7203	Lock Washer—Gas Tank Skirt Mounting Screw
462-7208	Lock Washer—Valve Reed Clamp Screw
462-7209	Lock Washer—Intake Manifold
462-7210	Lock Washer—Intake Cover Plate
462-8200	Carburetor Stud
465-8205	Stud—Cylinder Exhaust Flange
465-8206	Stud—Cylinder Block
462-7209	Lock Washer—Exhaust Cover Plate Screw



## CRANKCASE 480 - 481

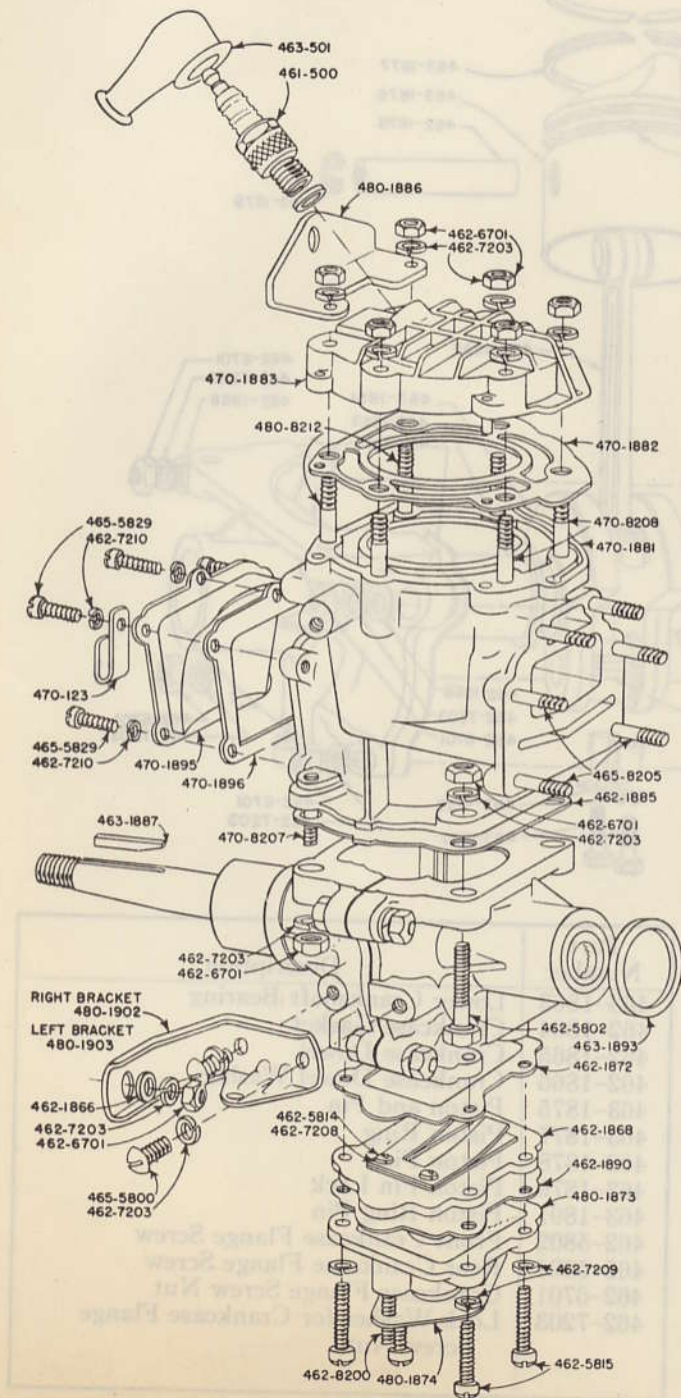


Part Number	Description
463-1851	Crankshaft
463-1852	Connecting Rod & Cap (Includes 463-1855, 463-1858 & 463-1857)
463-1855	Connecting Rod Crank Pin Roller Set (24) Note: When replacing rollers of a Connecting Rod that is identified by a white mark, order 463-1855-0 (oversize—23 per set)
463-1857	Connecting Rod Screw
463-1858	Connecting Rod Screw Lock
470-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings)
463-1862	Upper Crankshaft Bearing

Part Number	Description
463-1863	Lower Crankshaft Bearing
462-1864	Crankcase Gasket
462-1865	Crankcase Dowel
462-1866	Crankcase Dowel Washer
463-1875	Piston and Pin
463-1877	Piston Ring
462-1878	Piston Pin
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5802	Front Crankcase Flange Screw
462-5804	Rear Crankcase Flange Screw
462-6701	Crankcase Flange Screw Nut
462-7203	Lock Washer for Crankcase Flange Screw Nut



## POWERHEAD 480 - 481



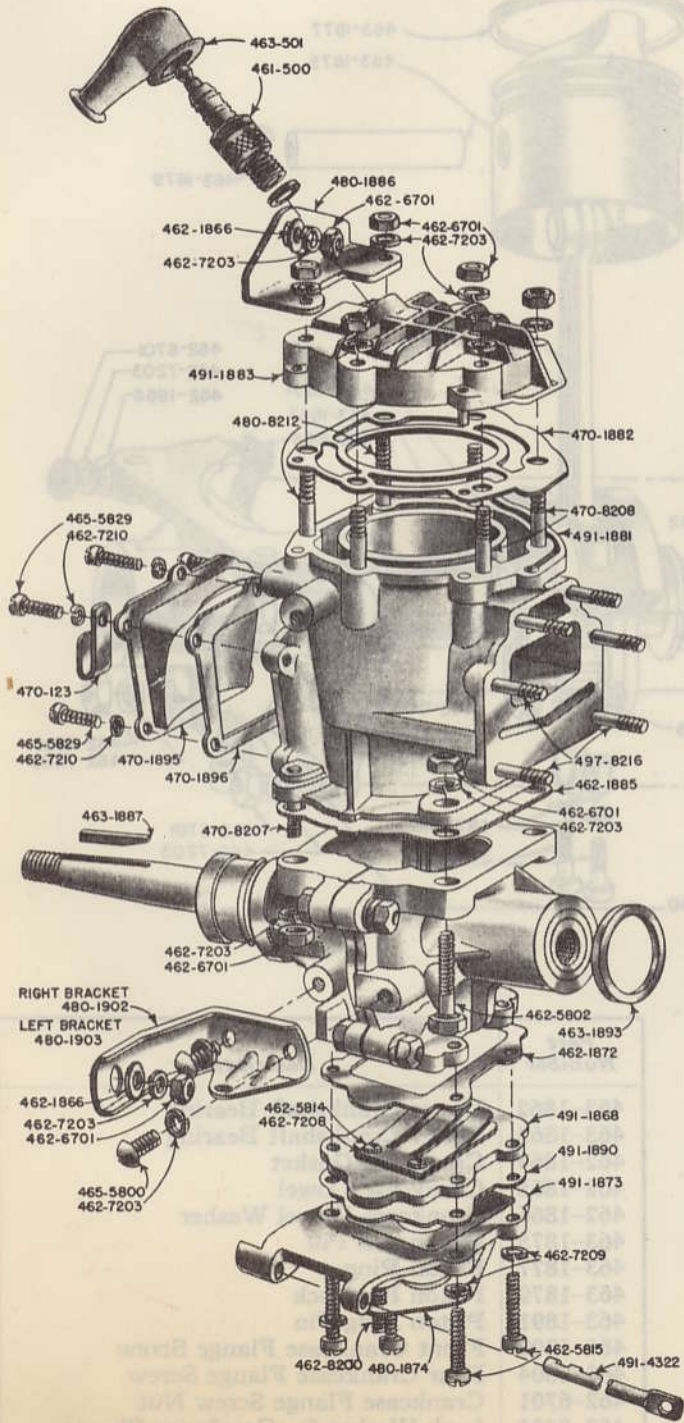
Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
462-1866	Gas Tank Bracket Screw Washer
462-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
480-1873	Carburetor Adaptor
480-1874	Carburetor Flange Gasket
470-1881	Cylinder Block
470-1882	Cylinder Head Gasket
470-1883	Cylinder Head
462-1885	Cylinder Flange Gasket
480-1886	Rear Gas Tank Bracket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
462-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
480-1902	Gas Tank Front Bracket (Right)
480-1903	Gas Tank Front Bracket (Left)
465-5800	Gas Tank Bracket Screw
462-5801	Cylinder Block Flange Screw
462-5814	Valve Reed Clamp Screw
462-5815	Carburetor Adaptor Plate Screw
465-5829	Intake Cover Plate Screw
462-6701	Cylinder Block Flange, Cylinder Head and Gas Tank Nut
462-7203	Lock Washer—Gas Tank, Cylinder Block Flange, Cylinder Head and Bracket
462-7208	Lock Washer—Valve Reed Clamp Screw
462-7209	Lock Washer—Carburetor Adaptor Plate
462-7210	Lock Washer—Intake Cover Plate
462-8200	Carburetor Flange Stud
465-8205	Stud Cylinder Exhaust Flange
470-8207	Cylinder Block Flange Stud
470-8208	Cylinder Head Stud
480-8212	Stud Upper Cylinder Head







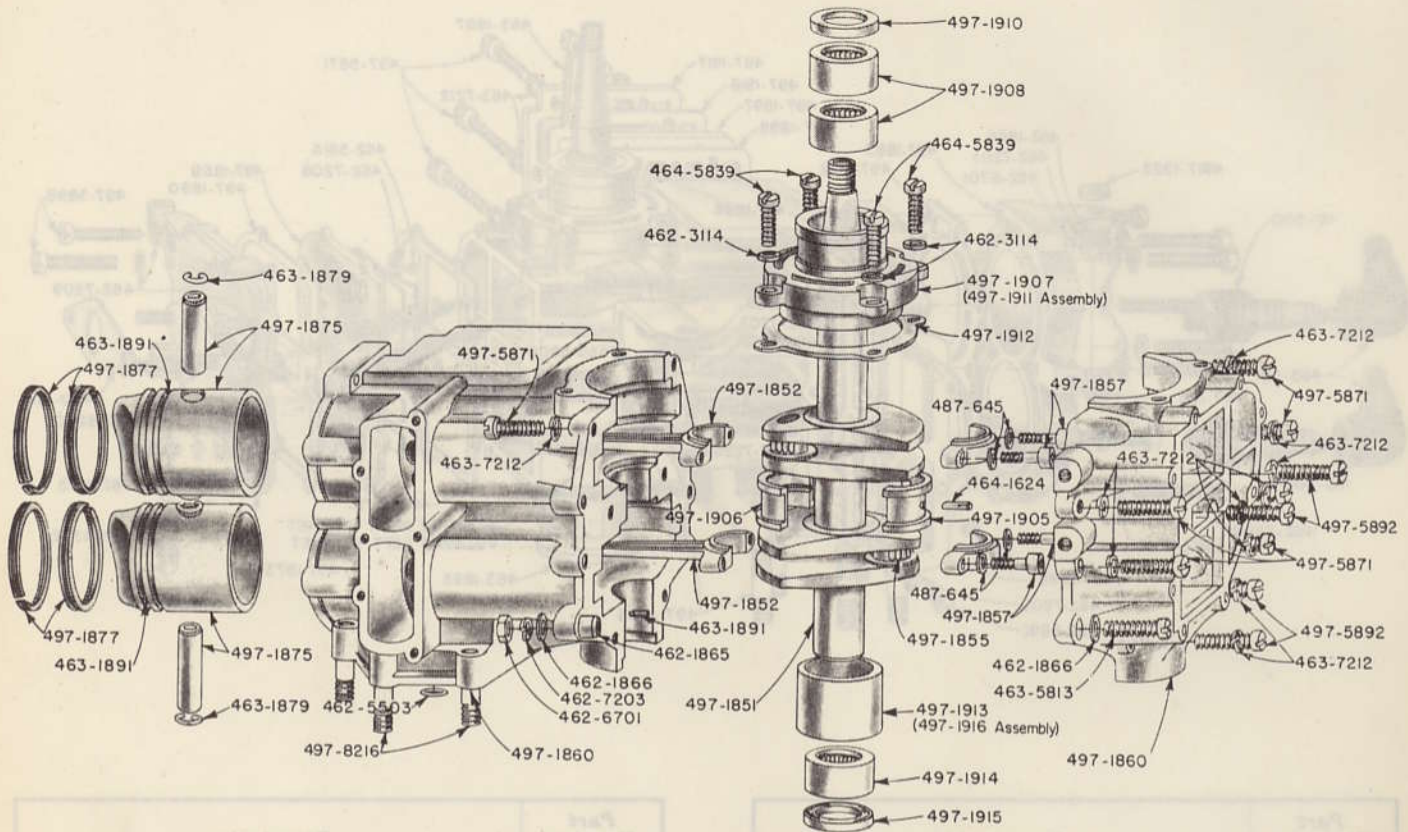
# POWERHEAD 491



Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
462-1866	Gas Tank Bracket Screw Washer
491-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
491-1873	Carburetor Adaptor
480-1874	Carburetor Flange Gasket
491-1881	Cylinder Block
470-1882	Cylinder Head Gasket
491-1883	Cylinder Head
462-1885	Cylinder Flange Gasket
480-1886	Rear Gas Tank Bracket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
491-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
480-1902	Gas Tank Front Bracket (Right)
480-1903	Gas Tank Front Bracket (Left)
491-4322	Limiter Rod
465-5800	Gas Tank Bracket Screw
462-5802	Cylinder Block Flange Screw
462-5814	Valve Reed Clamp Screw
462-5815	Carburetor Adaptor Plate Screw
465-5829	Intake Cover Plate Screw
462-6701	Cylinder Block Flange, Cylinder Head and Gas Tank Nut
462-7203	Lock Washer—Gas Tank, Cylinder Block Flange, Cylinder Head and Bracket
462-7208	Lock Washer—Valve Reed Clamp Screw
462-7209	Lock Washer—Carburetor Adaptor Plate
462-7210	Lock Washer—Intake Cover Plate
462-8200	Carburetor Flange Stud
470-8207	Cylinder Block Flange Stud
470-8208	Cylinder Head Stud
480-8212	Stud Upper Cylinder Head
497-8216	Cyl. Exhaust Flange Stud



# CRANKCASE 497



Part Number	Description
487-645	Connecting Rod Screw Washer
464-1624	Groove Pin—Bearing Retainer
497-1851	Crankshaft
497-1852	Connecting Rod Assembly
497-1855	Connecting Rod Crank Pin Roller (Set)
497-1857	Connecting Rod Screw
497-1860	Crankcase and Block Assembly
462-1865	Hollow—Dowel
462-1866	Washer—Dowel Screw
497-1875	Piston Assembly
497-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
463-1891	Pin—Lower Bearing
497-1905	Center Bearing—Front
497-1906	Center Bearing—Rear
497-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing—Magneto Mount
497-1910	Oil Seal—Magneto Mount
497-1911	Magneto Mount Assembly (includes 497-1907, 497-1908, 497-1910)

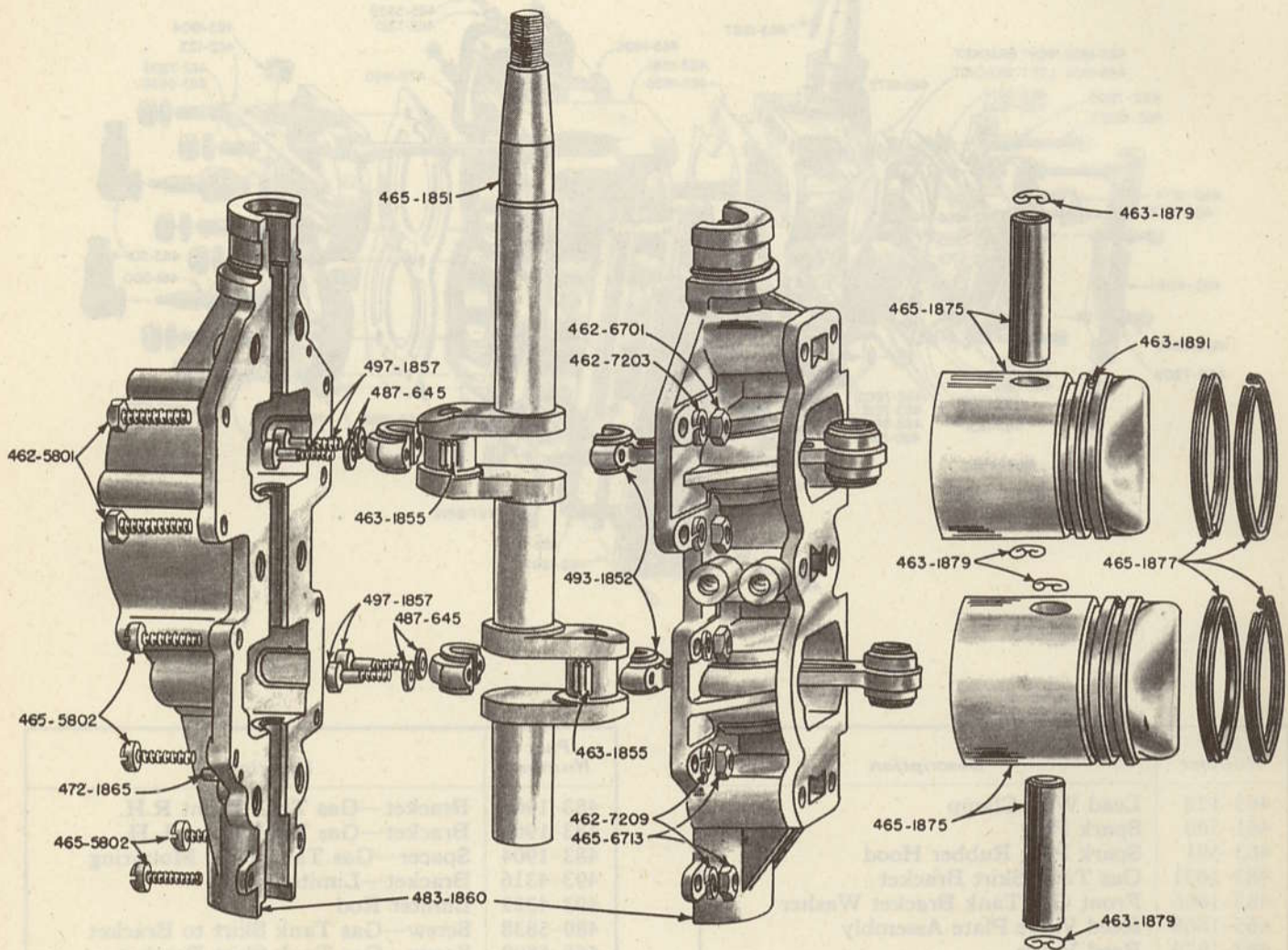
Part Number	Description
497-1912	Gasket—Mag. Mount Bearing Cage
497-1913	Retainer—Lower Crankshaft Bearing
497-1914	Needle Bearing
497-1915	Oil Seal
497-1916	Lower Crankshaft Bearing Retainer Assembly (includes 497-1913, 497-1914, 497-1915)
462-3114	Washer—Magneto Mount Bearing Cage
462-5503	“O” Ring—Water Inlet
463-5813	Screw—Dowel
464-5839	Screw—Magneto Mount Bearing Cage
497-5871	Screw—Crankcase Flange
497-5892	Screw—Center and Lower Main Bearing
462-6701	Nut—Dowel Screw
462-7203	L.W.—Dowel
463-7212	L.W.—Flange and Bearing Screw
497-8216	Stud—Cylinder Exhaust Flange







## CRANKCASE 493

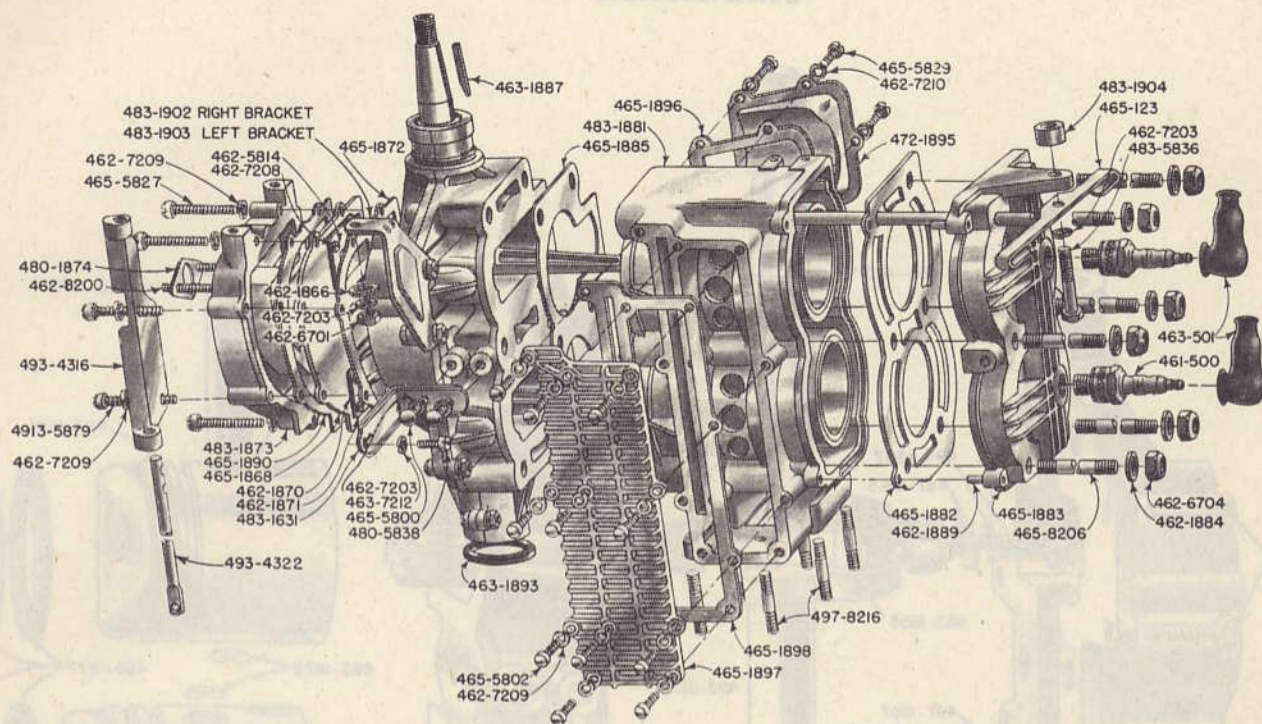


Part Number	Description
487-645	Connecting Rod Screw Washer
465-1851	Crankshaft
493-1852	Connecting Rod Assembly (Includes 463-1855, 487-645 and 497-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24) NOTE: When replacing rollers of a connecting rod that is identified by a white mark, order 463-1855-0 (23 per set)
497-1857	Connecting Rod Screw  *Sold in sets only, to maintain uniformity.

Part Number	Description
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
472-1865	Crankcase Dowel
465-1875	Piston and Pin
465-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange
462-7209	Lock Washer—Crankcase Flange Screw Nut



# POWERHEAD 493



Part Number	Description
465-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
483-1631	Gas Tank Skirt Bracket
462-1866	Front Gas Tank Bracket Washer
465-1868	Reed Valve Plate Assembly
462-1870	Reed Valve
462-1871	Reed Valve Clamp Plate
465-1872	Reed Valve Plate Gasket
483-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
483-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
465-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
465-1897	Exhaust Cover Plate
465-1898	Exhaust Cover Plate Gasket

Part Number	Description
483-1902	Bracket—Gas Tank Front R.H.
483-1903	Bracket—Gas Tank Front L.H.
483-1904	Spacer—Gas Tank Rear Mounting
493-4316	Bracket—Limiter Rod
493-4322	Limiter Rod
480-5838	Screw—Gas Tank Skirt to Bracket
465-5800	Screw—Gas Tank Skirt Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Screw—Reed Valve Clamp
*462-5815	Screw—Intake Manifold Short
465-5827	Screw—Intake Manifold Long
465-5829	Screw—Intake Cover Plate
4913-5879	Screw—Limiter Rod Bracket
462-6701	Nut—Gas Tank Mounting Screw
462-6704	Locknut—Cylinder Head
462-7203	Lockwasher— $\frac{1}{4}$ " Common
462-7208	Lockwasher—Reed Valve Clamp Screw
462-7209	Lockwasher—#10 Common
462-7210	Lockwasher—#8 Common
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
497-8216	Stud—Cylinder Exh. Flange
461-8701	Synch. Control Cotter Pin
	*Not Illustrated



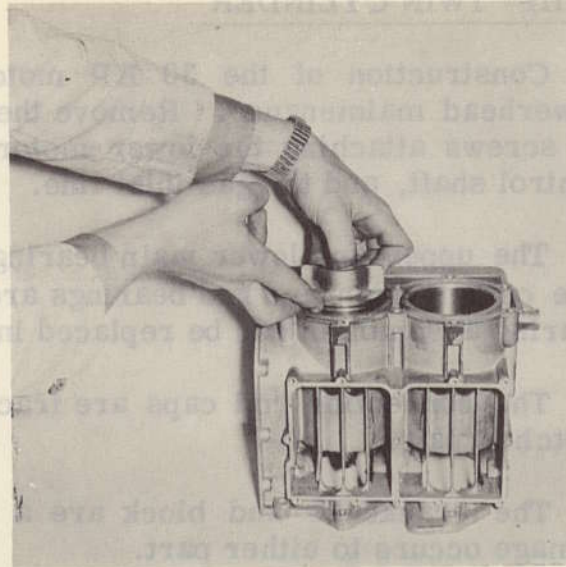
## ASSEMBLY

1. With the rings on the pistons, compress the rings and fit pistons into the block with the baffle to the intake side of the block.

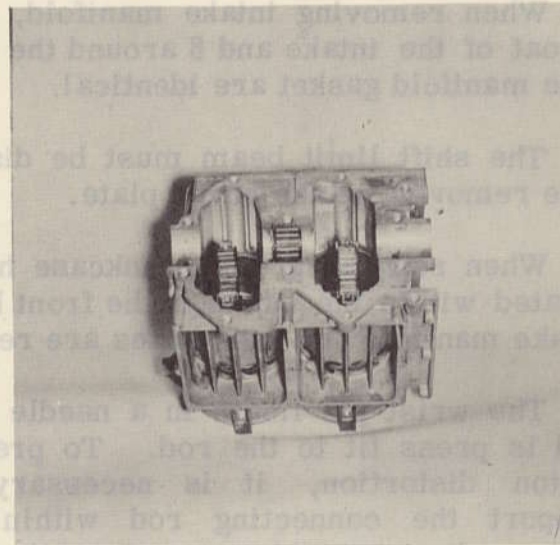
2. Set center main race, rollers, and cage in place. The rollers fit on the underside of the cage, or between cage and race - (16 rollers per center bearing assembly).

3. Assemble rod bearings in cage, and place on rods. (17 rollers per rod assembly). Use a soluble lubricant on all needle rollers.

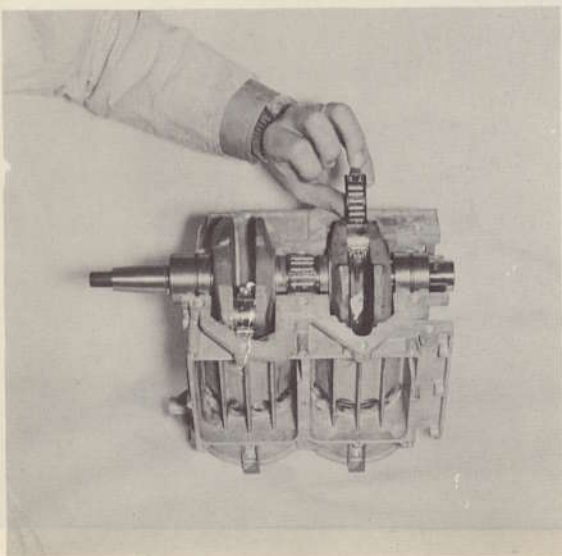
4. Slide the upper and lower main bearings onto the crankshaft with the oil seals to the outside. It is advisable to use a thin, smooth guide (such as shim stock) wrapped around the shaft. This will prevent any possible damage to the bearing seals.



*Inserting Piston in Block*



*Center Main and Rod Bearings*



*Assemble Rod Caps and Mains*



## 30 HP TWIN CYLINDER

Construction of the 30 HP motor permits simplified access throughout for powerhead maintenance. Remove the complete powerhead simply by removing the 13 screws attaching the lower motor casing to the powerhead, the vertical speed control shaft, and the gas inlet line.

The upper and lower main bearings, and wrist pin bearings are caged rollers. The center-main and rod bearings are needle-roller bearings held in a cage. The bearing assemblies can be replaced individually.

The connecting rod caps are fractured for perfect fit, with each rod and cap a matched pair.

The crankcase and block are a matched set, and both must be replaced if damage occurs to either part.

### TIPS FOR DISASSEMBLY

When removing intake manifold, there is 1 concealed screw located within the throat of the intake and 8 around the outside. The reed-valve plate gasket and intake manifold gasket are identical.

The shift limit beam must be disconnected at it's center pivoting location before removing intake cover plate.

When separating the crankcase halves, the 2 center main bearing screws are located within the intake in the front half of the case. These are exposed when the intake manifold and reed boxes are removed.

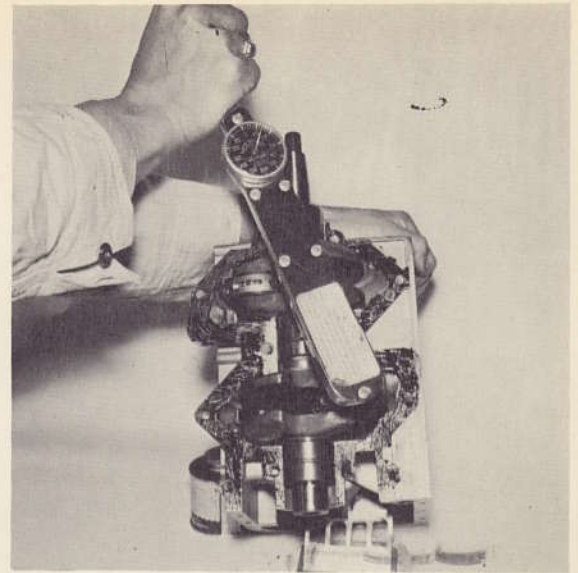
The wrist-pin floats in a needle bearing assembly in each side of the piston, and is press fit to the rod. To prevent piston distortion, it is necessary to support the connecting rod within the piston when removing, or inserting the wrist-pin. Place a 13/16" open end wrench around the pin on the under side of the rod - hold wrench and rod firmly, or clamp wrench in a vice - Insert punch into pin -- tap wrist-pin out or in with a hammer.





6. Torque set the rod-cap screws to 160 lbs. The bearings and cages on the rods must rotate freely even after tightening.

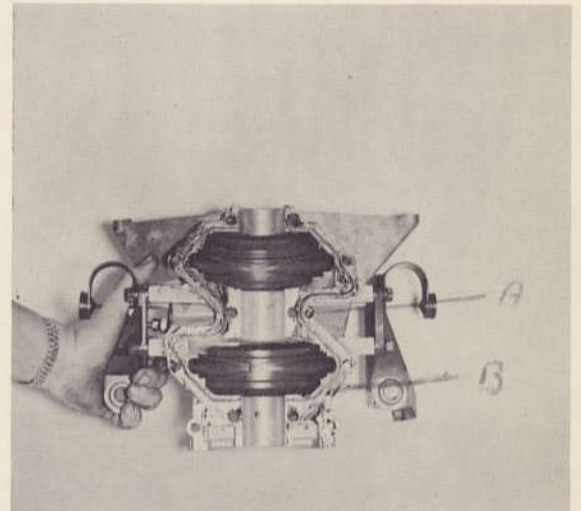
7. Apply Permatex #3 to both halves of the crankcase.



*Torquing Rod Cap Screws*

8. Insert new drain plug seal (A), and seal-line between crankcase halves (B).

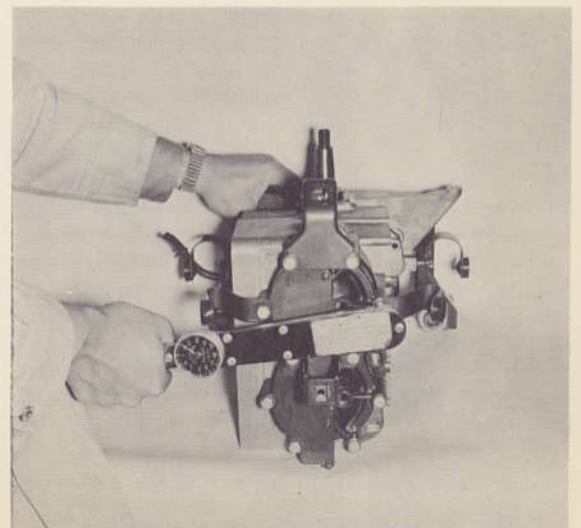
When assembled, and with intake cover plate off, rotate crankshaft in both directions to detect any possible signs of rubbing, binding, or the feeling of rollers skipping in a cage. The latter will indicate an incorrect number of rollers in a bearing (16 rollers per center main - 17 rollers per rod assembly), or a poor match between rod-body and cap, or bearing races.



*Crankcase Seals*

9. Replace the head, and torque the bolts to 150 lbs. Retighten the head bolts after a short run-in period.

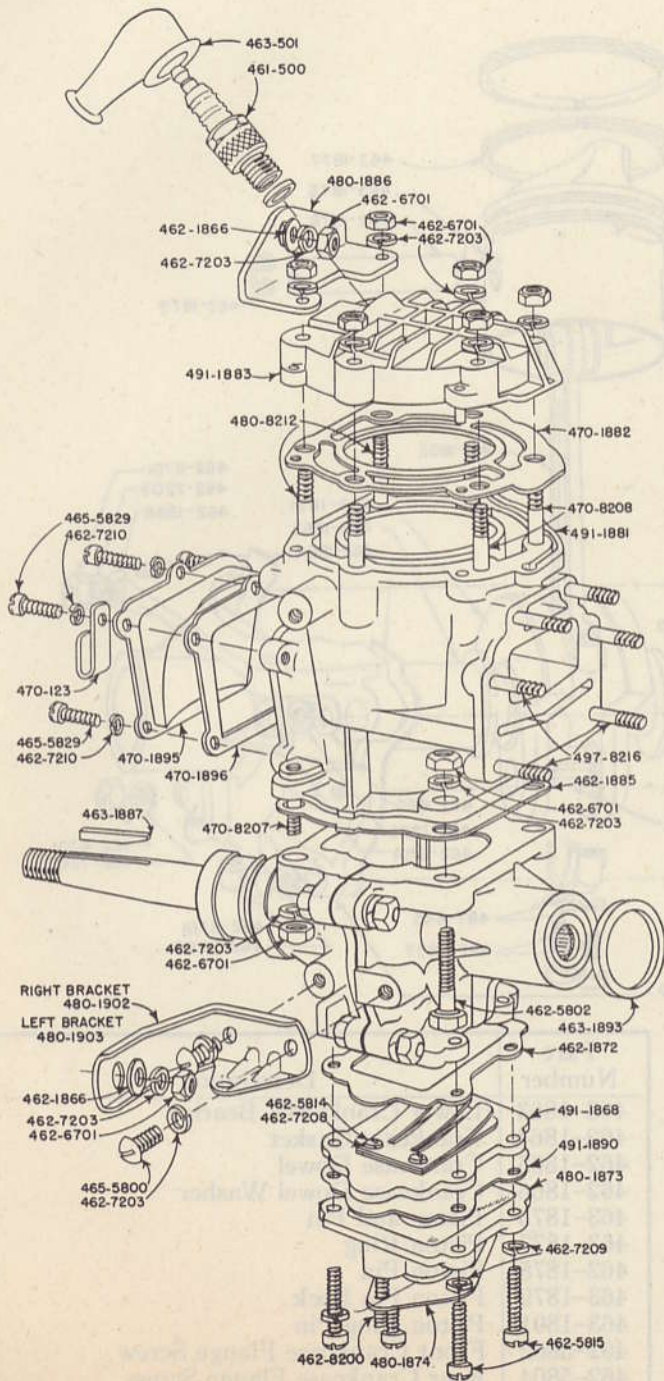
Always use new gaskets and seals when completing any maintenance.



*Torquing Head Bolts*



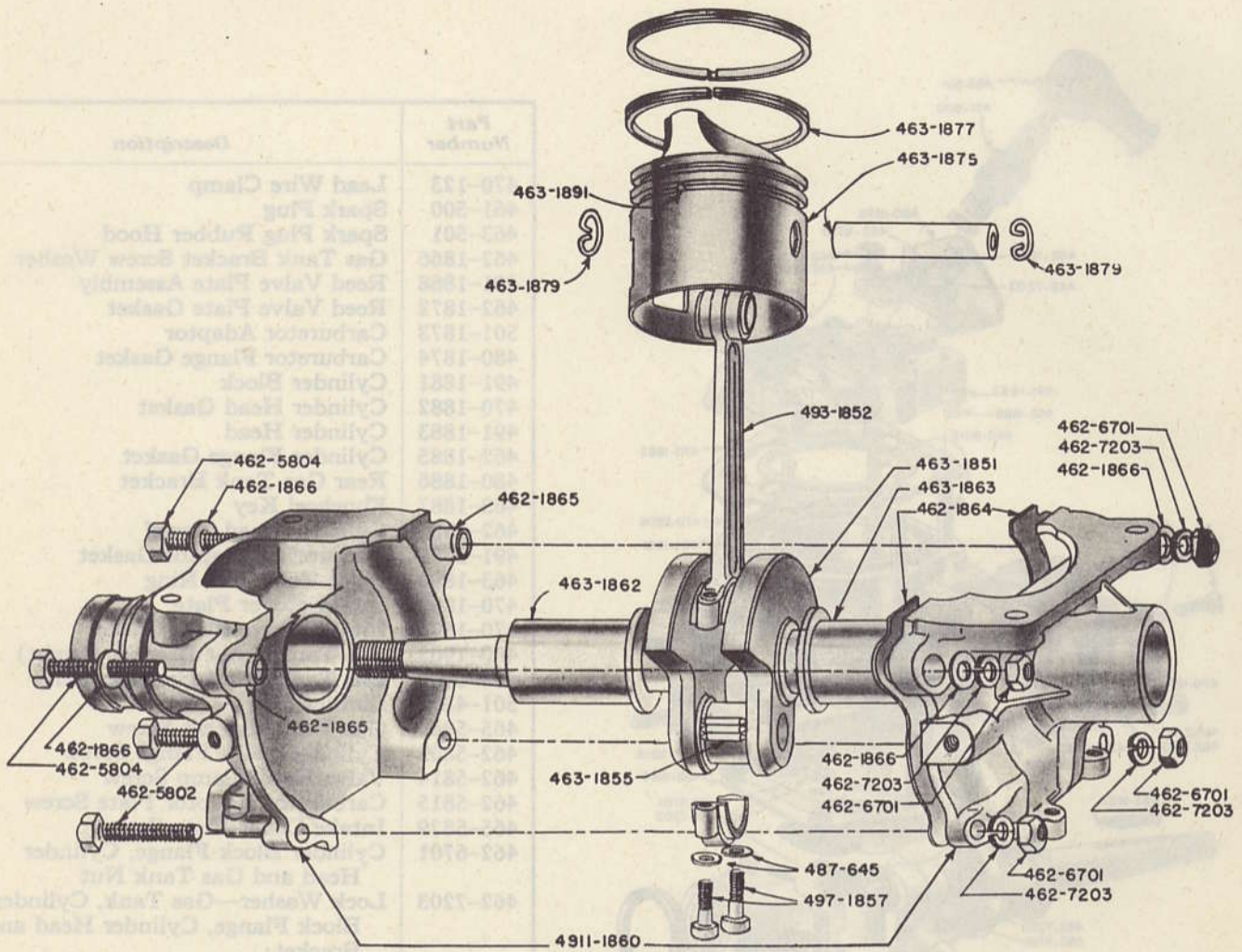
## POWERHEAD 500



Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
462-1866	Gas Tank Bracket Screw Washer
491-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
480-1873	Carburetor Adaptor
480-1874	Carburetor Flange Gasket
491-1881	Cylinder Block
470-1882	Cylinder Head Gasket
491-1883	Cylinder Head
462-1885	Cylinder Flange Gasket
480-1886	Rear Gas Tank Bracket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
491-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
480-1902	Gas Tank Front Bracket (Right)
480-1903	Gas Tank Front Bracket (Left)
465-5800	Gas Tank Bracket Screw
462-5802	Cylinder Block Flange Screw
462-5814	Valve Reed Clamp Screw
462-5815	Carburetor Adaptor Plate Screw
465-5829	Intake Cover Plate Screw
462-6701	Cylinder Block Flange, Cylinder Head and Gas Tank Nut
462-7203	Lock Washer—Gas Tank, Cylinder Block Flange, Cylinder Head and Bracket
462-7208	Lock Washer—Valve Reed Clamp Screw
462-7209	Lock Washer—Carburetor Adaptor Plate
462-7210	Lock Washer—Intake Cover Plate
462-8200	Carburetor Flange Stud
470-8207	Cylinder Block Flange Stud
470-8208	Cylinder Head Stud
480-8212	Stud Upper Cylinder Head
497-8216	Stud Cylinder Exhaust Flange
481-1921	Complete Gasket Set—Less Carburetor Gaskets



# CRANKCASE 501

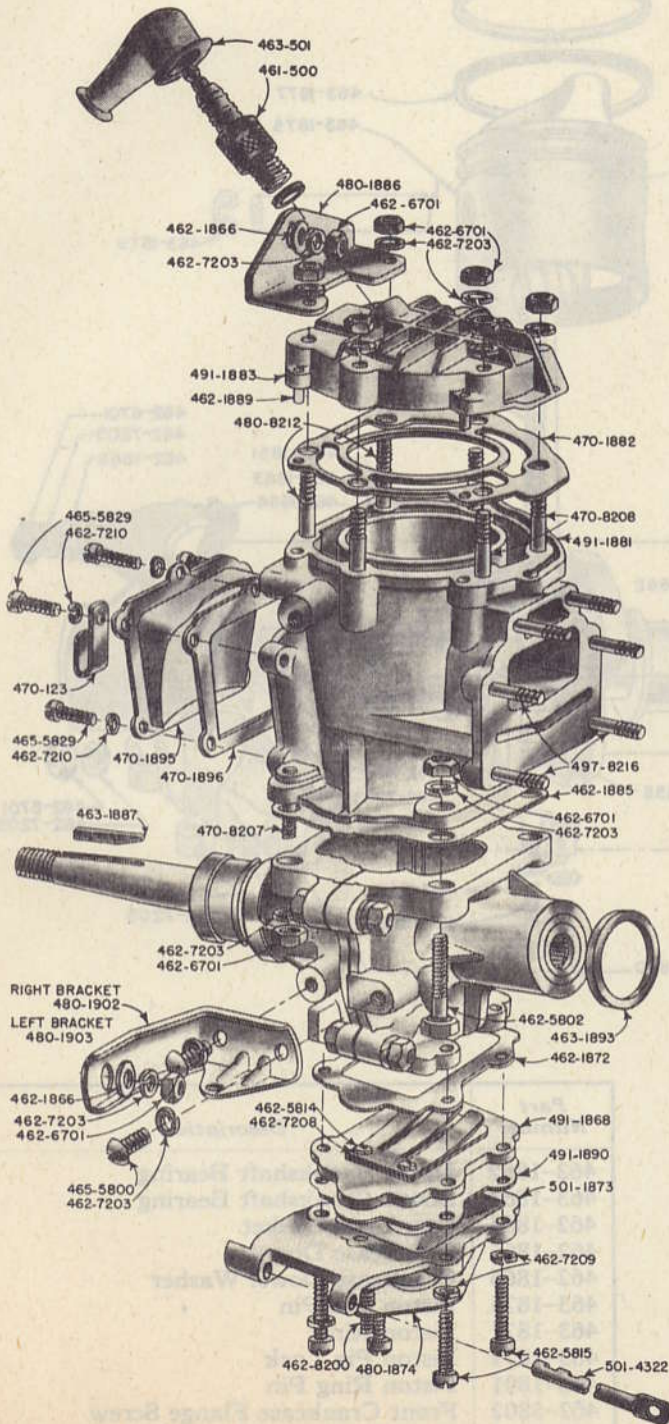


Part Number	Description
487-645	Connecting Rod Screw Washer
463-1851	Crankshaft
493-1852	Connecting Rod and Cap (Includes 463-1855, 487-645 and 497-1857)
463-1855	Connecting Rod Crank Pin Roller Set (24)
	NOTE: When replacing rollers of a connecting Rod that is identified by a white mark, order 463-1855-0 (oversize—23 per set)
497-1857	Connecting Rod Screw
4911-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings)

Part Number	Description
463-1862	Upper Crankshaft Bearing
463-1863	Lower Crankshaft Bearing
462-1864	Crankcase Gasket
462-1865	Crankcase Dowel
462-1866	Crankcase Dowel Washer
463-1875	Piston and Pin
463-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5802	Front Crankcase Flange Screw
462-5804	Rear Crankcase Flange Screw
462-6701	Crankcase Flange Screw Nut
462-7203	Lock Washer for Crankcase Flange Screw Nut



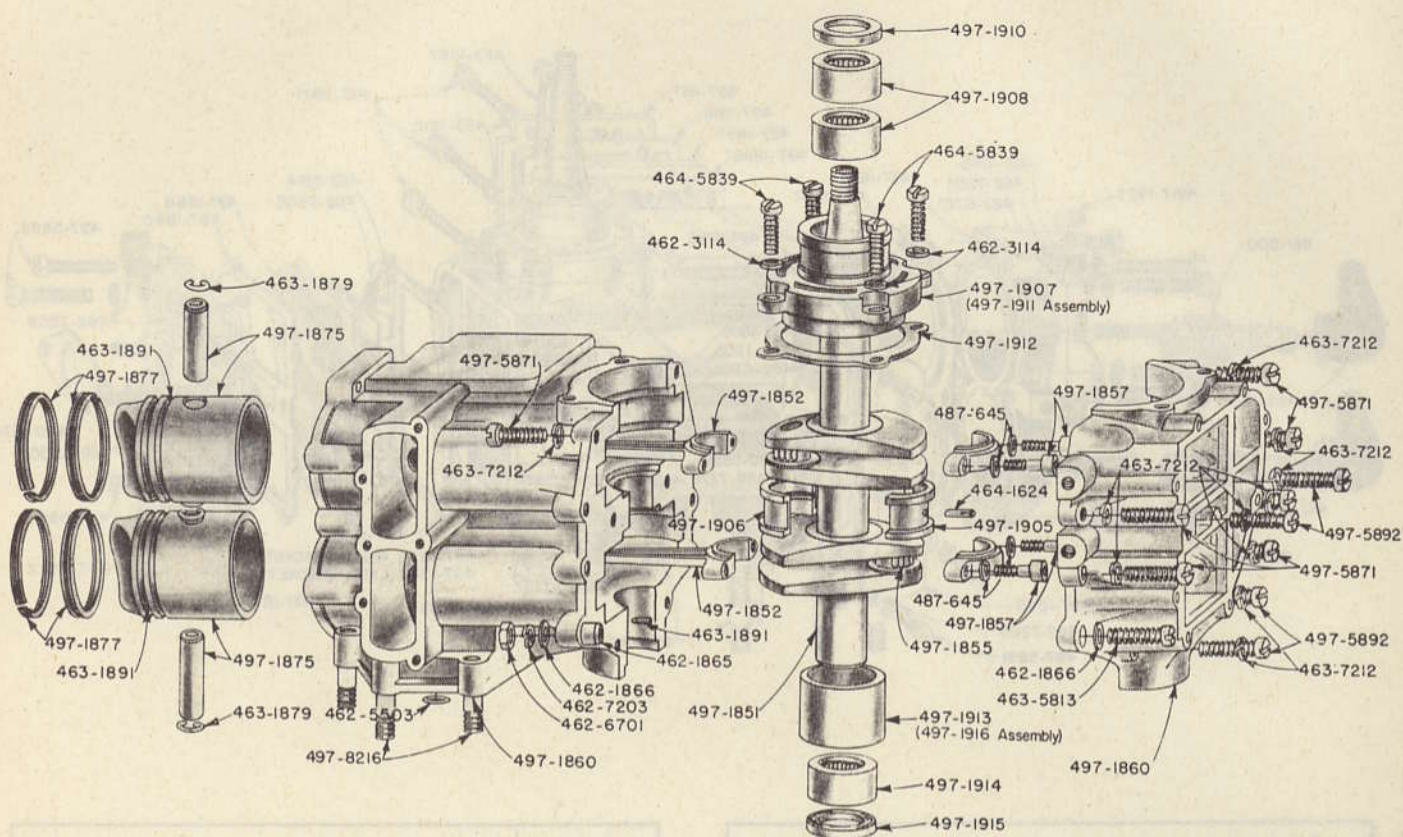
# POWERHEAD 501



Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
462-1866	Gas Tank Bracket Screw Washer
491-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
501-1873	Carburetor Adaptor
480-1874	Carburetor Flange Gasket
491-1881	Cylinder Block
470-1882	Cylinder Head Gasket
491-1883	Cylinder Head
462-1885	Cylinder Flange Gasket
480-1886	Rear Gas Tank Bracket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
491-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
480-1902	Gas Tank Front Bracket (Right)
480-1903	Gas Tank Front Bracket (Left)
501-4322	Limiter Rod
465-5800	Gas Tank Bracket Screw
462-5802	Cylinder Block Flange Screw
462-5814	Valve Reed Clamp Screw
462-5815	Carburetor Adaptor Plate Screw
465-5829	Intake Cover Plate Screw
462-6701	Cylinder Block Flange, Cylinder Head and Gas Tank Nut
462-7203	Lock Washer—Gas Tank, Cylinder Block Flange, Cylinder Head and Bracket
462-7208	Lock Washer—Valve Reed Clamp Screw
462-7209	Lock Washer—Carburetor Adaptor Plate
462-7210	Lock Washer—Intake Cover Plate
462-8200	Carburetor Flange Stud
470-8207	Cylinder Block Flange Stud
470-8208	Cylinder Head Stud
480-8212	Stud Upper Cylinder Head
497-8216	Cyl. Exhaust Flange Stud



# CRANKCASE 507

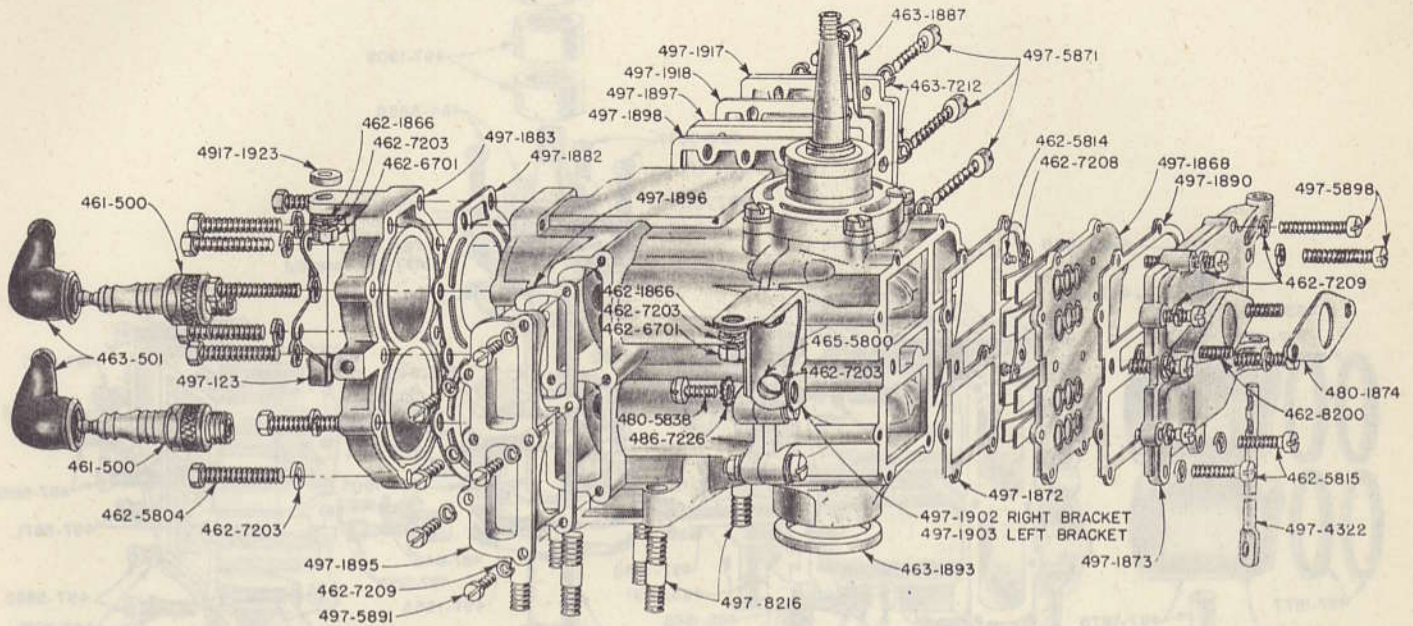


Part Number	Description
487-645	Connecting Rod Screw Washer
464-1624	Groove Pin—Bearing Retainer
497-1851	Crankshaft
497-1852	Connecting Rod Assembly
497-1855	Connecting Rod Crank Pin Roller (Set)
497-1857	Connecting Rod Screw
497-1860	Crankcase and Block Assembly
462-1865	Hollow Dowel
462-1866	Washer—Dowel Screw
497-1875	Piston Assembly
497-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
463-1891	Pin—Lower Bearing
497-1905	Center Bearing—Front
497-1906	Center Bearing—Rear
497-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing—Magneto Mount
497-1910	Oil Seal—Magneto Mount
497-1911	Magneto Mount Assembly (includes 497-1907, 497-1908, 497-1910)

Part Number	Description
497-1912	Gasket—Mag. Mount Bearing Cage
497-1913	Retainer—Lower Crankshaft Bearing
497-1914	Needle Bearing—Lower Main
497-1915	Oil Seal
497-1916	Lower Crankshaft Bearing Retainer Assembly (includes 497-1913, 497-1914, 497-1915)
462-3114	Washer—Magneto Mount Bearing Cage
462-5503	“O” Ring—Water Inlet
463-5813	Screw—Dowel
464-5839	Screw—Magneto Mount Bearing Cage
497-5871	Screw—Crankcase Flange
497-5892	Screw—Center and Lower Main Bearing
462-6701	Nut—Dowel Screw
462-7203	L.W.—Dowel
463-7212	L.W.—Flange and Bearing Screw
497-8216	Stud—Cylinder Exhaust Flange



## POWERHEAD 507

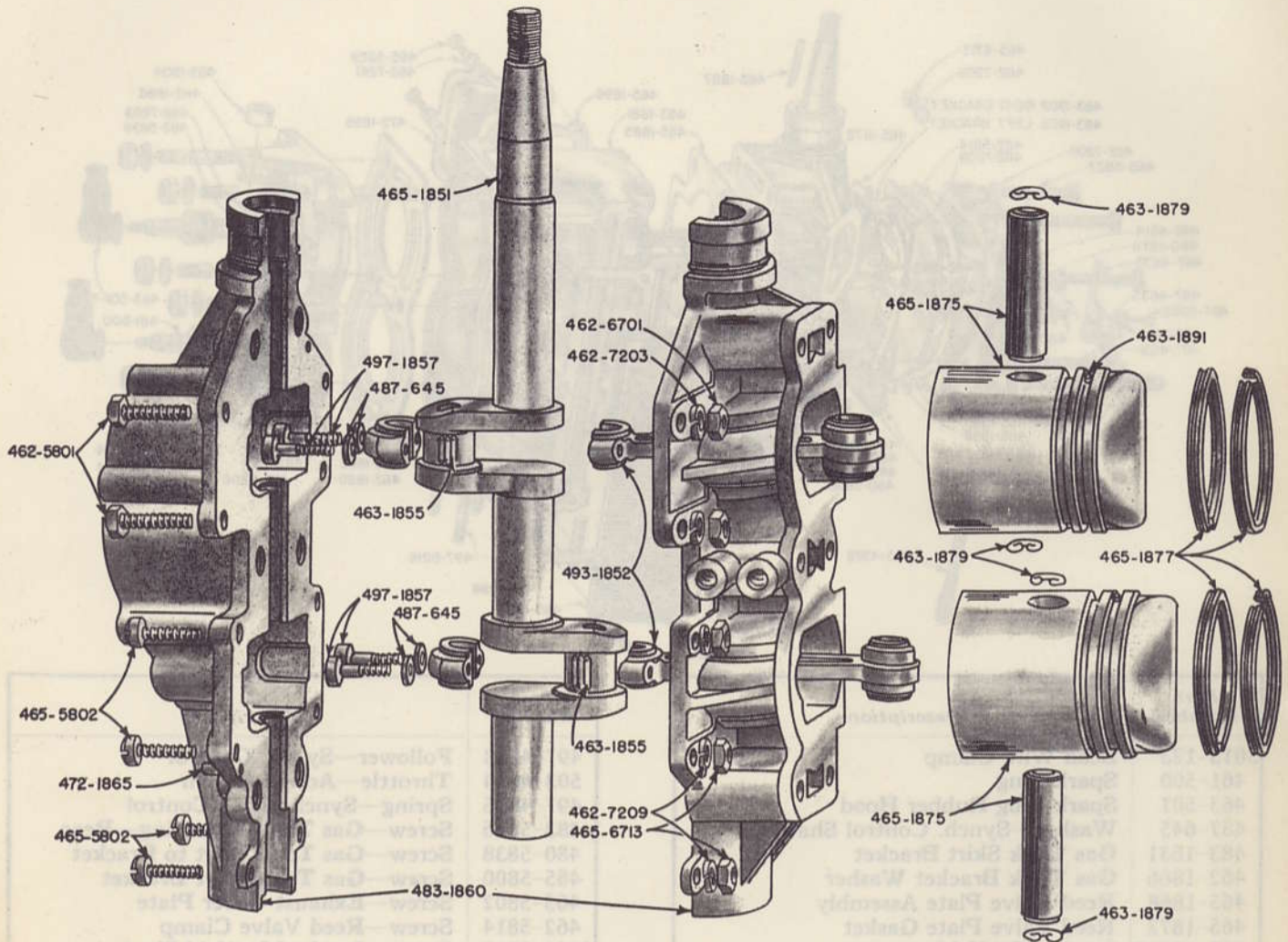


Part Number	Description
497-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
462-1866	Washer—Gas Tank Bracket
497-1868	Reed Valve Plate Assembly
497-1872	Valve Reed Plate Gasket
497-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
497-1882	Cylinder Head Gasket
497-1883	Detachable Cylinder Head
463-1887	Flywheel Key
497-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
497-1895	Intake Cover Plate
497-1896	Intake Cover Plate Gasket
497-1897	Exhaust Cover Plate
497-1898	Exhaust Cover Plate Gasket
497-1902	Gas Tank Bracket (RH)
497-1903	Gas Tank Bracket (LH)
497-1917	Water Cover Plate
497-1918	Gasket—Water Cover Plate
4917-1923	Spacer—Gas Tank (Rear)
497-4322	Limiter Rod
465-5800	Screw—Gas Tank Bracket to Powerhead

Part Number	Description
462-5804	Screw—Cylinder Head
462-5814	Screw—Valve Reed Clamp
462-5815	Screw—Intake Manifold—Short
480-5838	Screw—Gas Tank Skirt—Front
497-5871	Screw—Water Cover Plate
497-5891	Screw—Intake Cover Plate
497-5898	Screw—Intake Manifold—Long
497-5901	Screw—Water Cover Plate (Not Shown)
462-6701	Nut—Gas Tank Mounting Screw
462-7203	Lockwasher—Gas Tank Bracket
462-7203	Lockwasher—Bracket Screw
462-7203	Lockwasher—Cylinder Head
462-7208	Lockwasher—Valve Reed Clamp Screw
462-7209	Lockwasher—Intake Manifold Screw
462-7209	Lockwasher—Intake Cover Plate Screw
463-7212	Lockwasher—Water Cover Plate
463-7212	Lockwasher—Flange and Bearing Screw
461-7220	Lockwasher—Water Cover Plate (Not Shown)
486-7226	Lockwasher—Skirt Mounting
462-8200	Carburetor Flange Stud
497-8216	Stud—Cylinder Exhaust Flange



# CRANKCASE 503

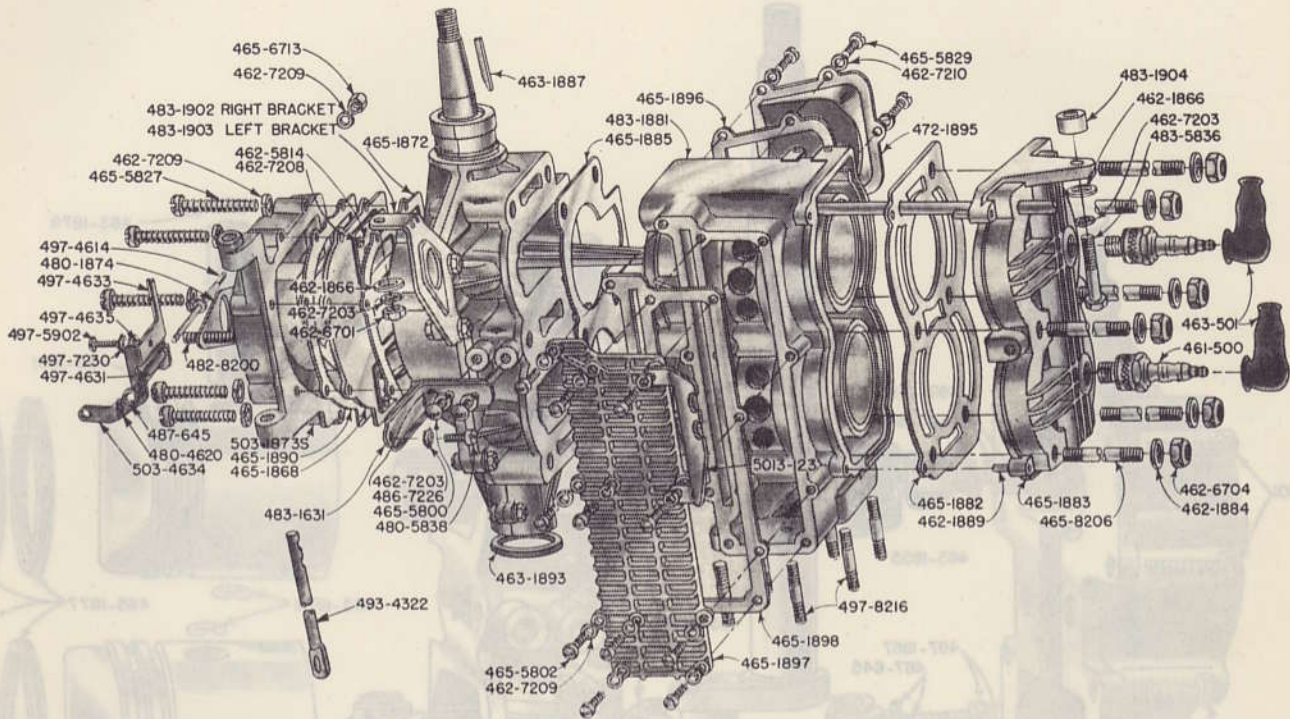


Part Number	Description
487-645	Connecting Rod Screw Washer
465-1851	Crankshaft
493-1852	Connecting Rod Assembly (Includes 463-1855, 487-645 and 497-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24) NOTE: When replacing rollers of a connecting rod that is identified by a white mark, order 463-1855-0 (23 per set)
497-1857	Connecting Rod Screw
	*Sold in sets only, to maintain uniformity.

Part Number	Description
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
472-1865	Crankcase Dowel
465-1875	Piston and Pin
465-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange
462-7209	Lock Washer—Crankcase Flange Screw Nut



# POWERHEAD 503



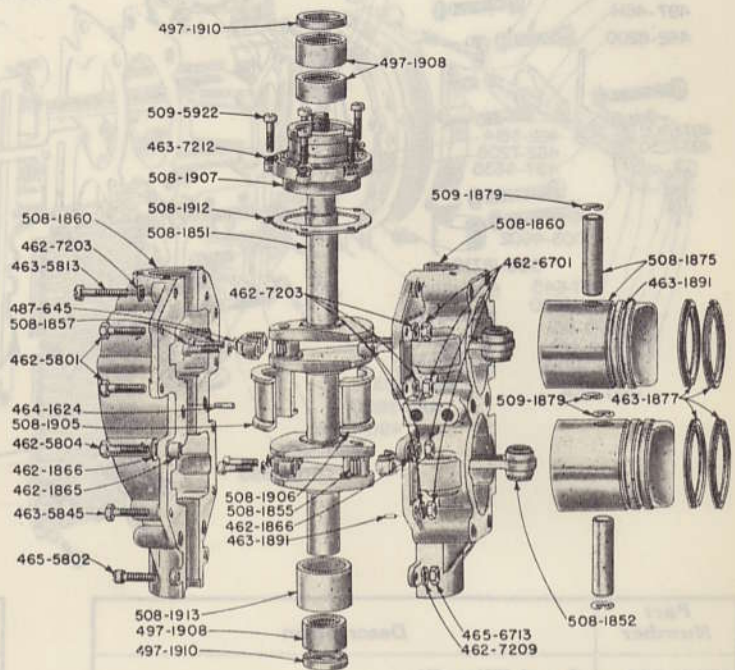
Part Number	Description
5013-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
487-645	Washer—Synch. Control Shaft
483-1631	Gas Tank Skirt Bracket
462-1866	Gas Tank Bracket Washer
465-1868	Reed Valve Plate Assembly
465-1872	Reed Valve Plate Gasket
503-1873S	Intake Manifold
480-1874	Carburetor Flange Gasket
483-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
465-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
465-1897	Exhaust Cover Plate
465-1898	Exhaust Cover Plate Gasket
483-1902	Bracket—Gas Tank Front R.H.
483-1903	Bracket—Gas Tank Front L.H.
483-1904	Spacer—Gas Tank Rear Mounting
493-4322	Limiting Rod
497-4614	Shaft—Synch. Control Follower
480-4620	Lock—Synch. Control Shaft
497-4631	Bearing—Synch. Control Follower

Part Number	Description
497-4633	Follower—Synch. Control
503-4634	Throttle—Actuator Arm
497-4635	Spring—Synchronous Control
483-5836	Screw—Gas Tank Mounting—Rear
480-5838	Screw—Gas Tank Skirt to Bracket
465-5800	Screw—Gas Tank Skirt Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Screw—Reed Valve Clamp
*462-5815	Screw—Intake Manifold Short
465-5827	Screw—Intake Manifold Long
465-5829	Screw—Intake Cover Plate
4913-5879	Screw—Limiting Rod Bracket
497-5902	Adjusting Screw—Synch. Control Follower
462-6701	Nut—Gas Tank Mounting Screw
462-6704	Locknut—Cylinder Head
465-6713	Nut—Synch. Control Shaft
462-7203	Lockwasher—1/4" Common
462-7208	Lockwasher—Reed Valve Clamp Screw
462-7209	Lockwasher—#10 Common
462-7210	Lockwasher—#8 Common
486-7226	Lock Washer—Synch. Control Follower
497-7230	Lockwasher—Gas Tank Skirt to Bracket
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
497-8216	Stud—Cylinder Exh. Flange
461-8701	Synch. Control Cotter Pin
*Not Illustrated	

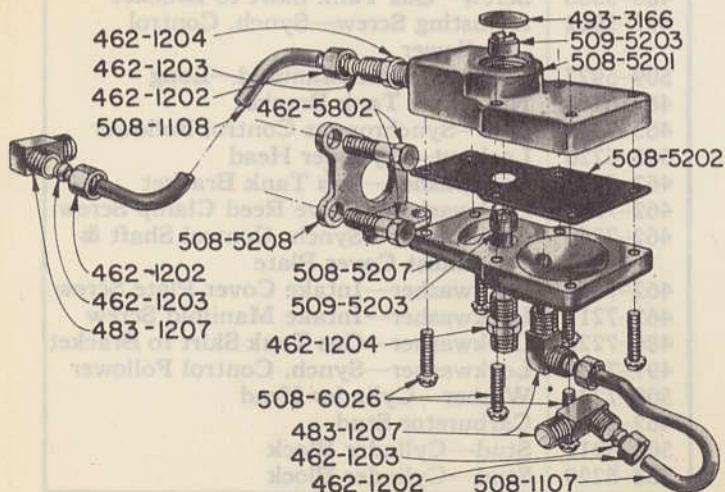


## CRANKCASE & FUEL PUMP 518

Part Number	Description
487-645	Connecting Rod Screw Washer
464-1624	Groove Pin—Bearing Retainer
508-1851	Crankshaft
508-1852	Connecting Rod Assembly (Includes 508-1855, 487-645, 508-1857)
508-1855	Connecting Rod Crank Pin Rollers (28 Per Set)
508-1857	Connecting Rod Screw
508-1860	Crankcase Assembly
462-1865	Crankcase Dowel
462-1866	Washer—Crankcase Dowel
508-1875	Piston Assembly
463-1877	Piston Ring
509-1879	Piston Pin Lock
463-1891	Pin—Lower Bearing—Rear Crankcase & Piston Ring Pin
508-1905	Center Main Bearing—Front Half
508-1906	Center Main Bearing—Rear Half
508-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing
497-1910	Oil Seal
508-1912	Gasket—Magneto Mount Bearing Cage
508-1913	Lower Crankshaft Bearing Retainer
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-5804	Screw—Crankcase Flange
463-5813	Screw—Crankcase Flange
463-5845	Screw—Crankcase Flange
509-5922	Screw—Magneto Mount Bearing Cage
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lockwasher—Crankcase Flange Screw
462-7209	Lockwasher—Crankcase Flange Screw
463-7212	Lockwasher—Magneto Mount Bearing Cage



### FUEL PUMP

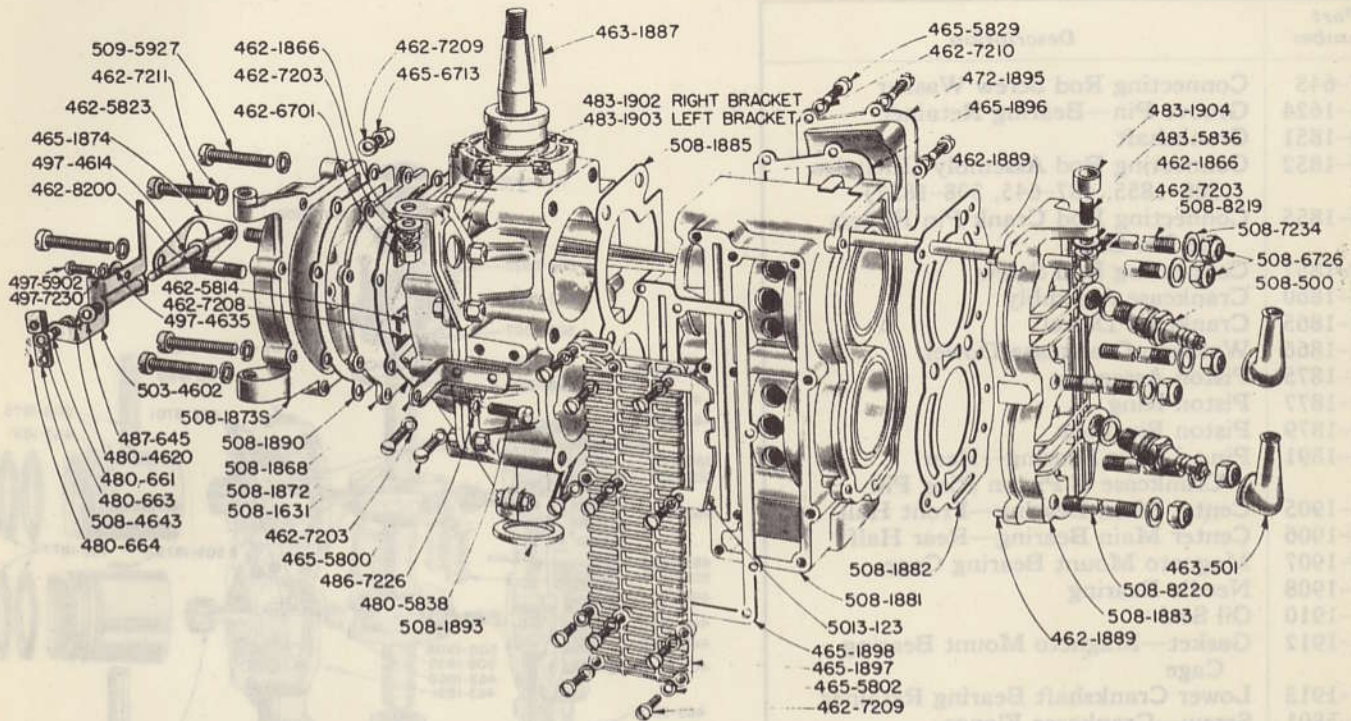


Part Number	Description
508-1107	Pump Pressure Line
508-1108	Gas Line—Pump to Carburetor
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
462-1204	Gas Line Male Connector
483-1207	Gas Line Compression Elbow
*493-3166	Welch Plug
508-5200	Fuel Pump Assembly
*508-5201	Fuel Pump Body—Upper
*508-5202	Diaphragm—Fuel Pump
*509-5203	Check Valve
*508-5207	Fuel Pump Body—Lower
508-5208	Bracket—Fuel Pump
462-5802	Screw—Bracket to Crankcase Flange
*508-6026	Screw—Fuel Pump Body

\*Included in 508-5200 Assembly



# POWERHEAD 518



Part Number	Description
5013-123	Lead Wire Clamp
508-500	Spark Plug
463-501	Spark Plug Rubber Hood
487-645	Washer Synch. Control Shaft Lever
480-661	Choke Lever Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hairpin Cotter
508-1631	Gas Tank Skirt Bracket
462-1866	Spacer—Gas Tank Bracket and Rear Mounting Screw
508-1868	Reed Valve Plate Assembly
508-1872	Valve Reed Plate Gasket
508-1873S	Intake Manifold
465-1874	Carburetor Flange Gasket
508-1881	Cylinder Block
508-1882	Cylinder Head Gasket
508-1883	Cylinder Head
508-1885	Cylinder Flange Gasket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
508-1890	Intake Manifold Gasket
508-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate—Top
465-1896	Intake Cover Plate Gasket
465-1897	Exhaust Cover Plate
465-1898	Exhaust Cover Plate
483-1902	Bracket—Gas Tank Front—R.H.
483-1903	Bracket—Gas Tank Front—L.H.
483-1904	Gas Tank Rear Mounting
503-1937	Intake Cover Plate—Bottom

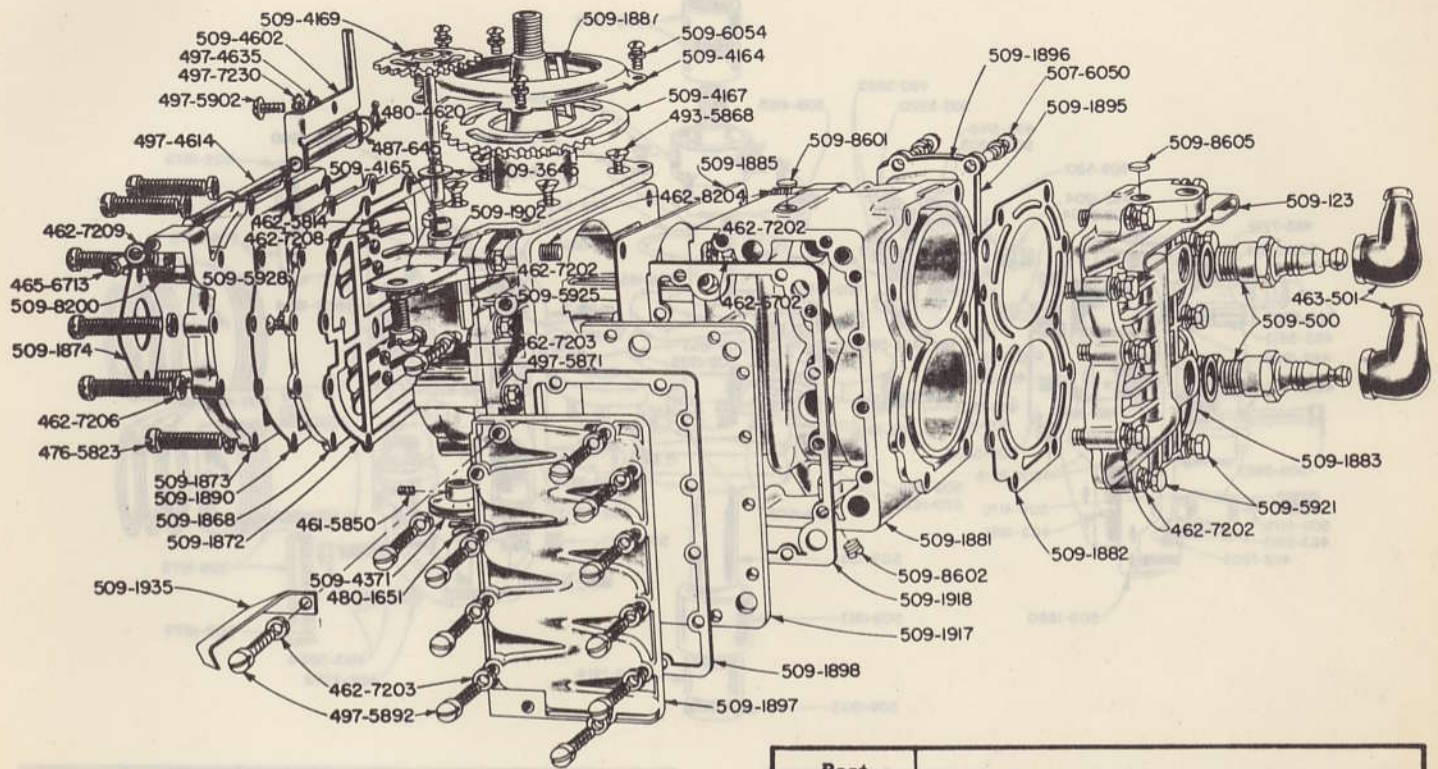
Part Number	Description
503-4602	Synchronous Control Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
497-4635	Synchronous Control Spring
508-4643	Link—Throttle Actuator
465-5800	Screw—Gas Tank Skirt Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Screw—Valve Reed Clamp
462-5823	Screw—Intake Manifold—Short
465-5829	Screw—Intake Cover Plate
483-5836	Screw—Gas Tank Rear Mounting
480-5838	Screw—Gas Tank Skirt to Bracket
497-5902	Adjusting Screw—Synch. Control Follower
509-5927	Screw—Intake Manifold—Long
462-6701	Nut—Gas Tank Bracket
465-6713	Nut—Synchronous Control Follower
508-6726	Locknut—Cylinder Head
462-7203	Lockwasher—Gas Tank Bracket
462-7208	Lockwasher—Valve Reed Clamp Screw
462-7209	Lockwasher—Synch. Control Shaft & Exhaust Cover Plate
462-7210	Lockwasher—Intake Cover Plate Screw
462-7211	Lockwasher—Intake Manifold Screw
486-7226	Lockwasher—Gas Tank Skirt to Bracket
497-7230	Lockwasher—Synch. Control Follower
508-7234	Washer—Cylinder Head
462-8200	Carburetor Stud
508-8219	Stud—Cylinder Block
508-8220	Stud—Cylinder Block







# POWERHEAD 509



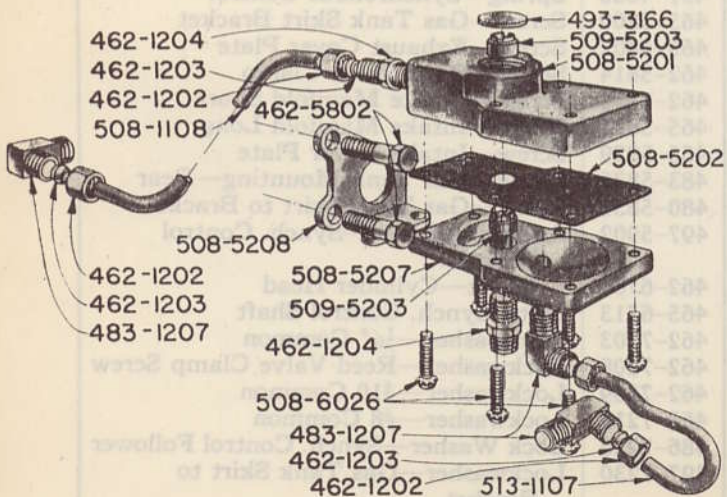
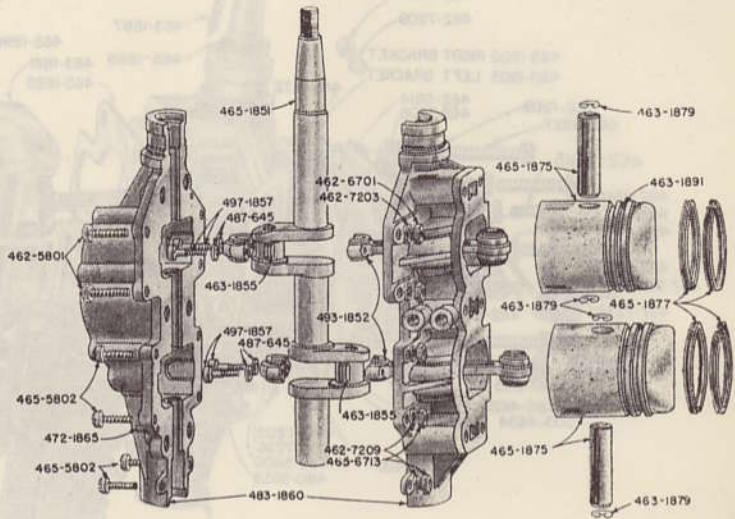
Part Number	Description
509-123	Lead Wire Clamp
509-500	Spark Plug
463-501	Spark Plug Rubber Hood
487-645	Washer
480-1651	'X' Washer—Magneto Pulley Shaft
509-1868	Reed Valve Plate Assembly
509-1872	Gasket—Reed Valve Plate
509-1873	Intake Manifold
509-1874	Carburetor Flange Gasket
509-1881	Cylinder Block
509-1882	Gasket—Cylinder Head
509-1883	Cylinder Head
509-1885	Cylinder Flange Gasket
509-1887	Flywheel Key
509-1890	Intake Manifold Gasket
509-1895	Intake Cover Plate Assembly
†509-1896	Gasket—Intake Cover Plate
509-1897	Exhaust Cover Plate
509-1898	Exhaust Cover Plate Gasket
509-1902	Hood Bracket
509-1917	Water Cover Plate
509-1918	Water Cover Plate Gasket
509-1935	Lead Wire Guide
509-3645	Washer—Pinion Thrust
509-4164	Mounting Ring—Stator Plate
509-4165	Bearing—Magneto Pinion Shaft
509-4167	Gear—Stator Plate
509-4169	Magneto Pinion Pulley
509-4371	Magneto Pulley Assembly

Part Number	Description
509-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
*497-4635	Spring—Synchronous Control
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
461-5850	Set Screw—Magneto Pinion Pulley
493-5868	Screw—Magneto Mount Bearing
497-5871	Screw—Hood Bracket to Powerhead
497-5891	Screw—Mag. Pinion Shaft Lower Bearing
497-5892	Screw—Water Cover Plate
*497-5902	Adjust. Screw—Synch. Control Follower
509-5921	Screw—Cylinder Head
509-5925	Screw—Hood Bracket to Hood
509-5928	Screw—Reed Valve Plate
507-6050	Screw—Intake Cover Plate
509-6054	Screw—Mounting Ring
462-6702	Nut—Cylinder Block Studs
465-6713	Nut—Synchronous Control Shaft
462-7202	Lockwasher—5/16" Common
462-7203	Lockwasher—1/4" Common
462-7206	Lockwasher—Intake Manifold
462-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher—Synchronous Control Shaft
*497-7230	Lockwasher—Synch. Control Follower
509-8200	Stud—Carburetor Flange
462-8204	Stud—Crankcase to Block
509-8601	Welch Plug—Cylinder Block
509-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
†	Included in 509-1895 Assembly
*	Included in 509-4602 Assembly



## CRANKCASE - 513

Part Number	Description
487-645	Connecting Rod Screw Washer
465-1851	Crankshaft
493-1852	Connecting Rod Assembly (Includes 463-1855, 487-645 and 497-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24) <b>NOTE:</b> When replacing rollers of a connecting rod that is identified by a white mark, order 463-1855-0 (23 per set)
497-1857	Connecting Rod Screw
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
472-1865	Crankcase Dowel
465-1875	Piston and Pin
465-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange
462-7209	Lock Washer—Crankcase Flange Screw Nut
*Sold in sets only, to maintain uniformity.	



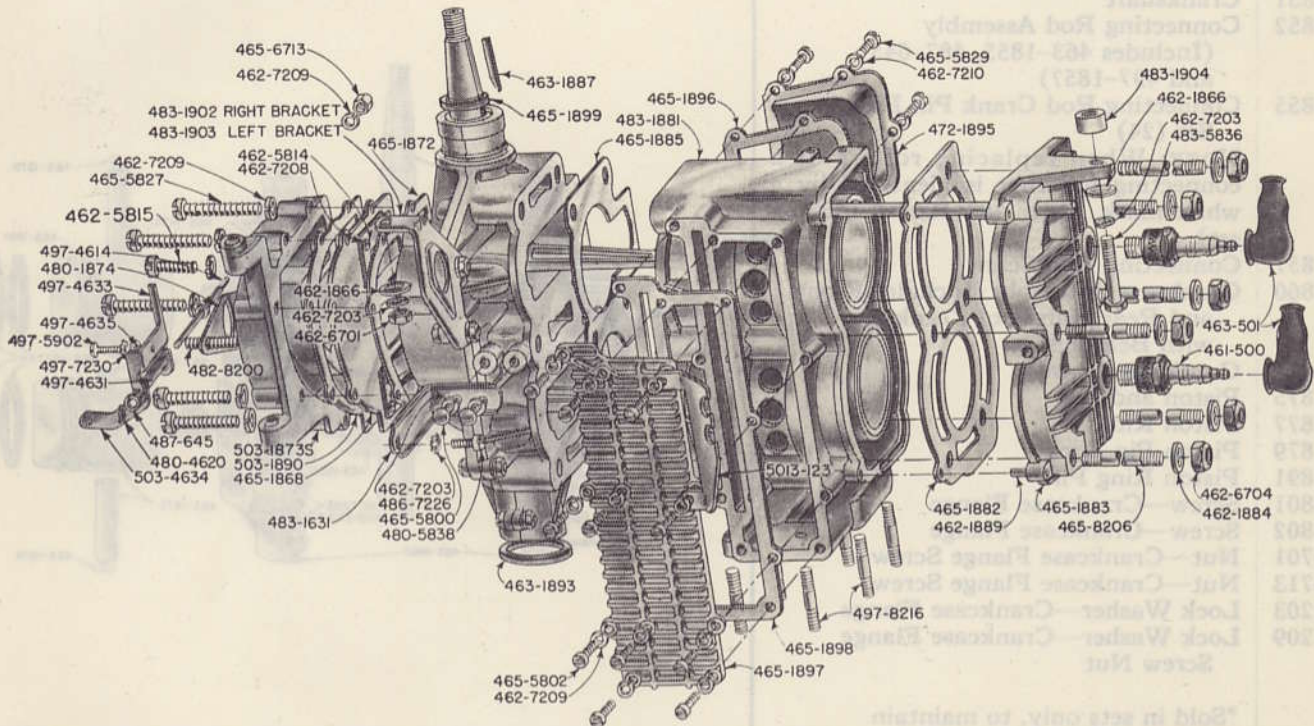
## FUEL PUMP

Part Number	Description
513-1107	Pump Pressure Line
508-1108	Gas Line—Pump to Carburetor
462-1202	Gas Line Compression Nut
462-1203	Gas Line Compression Sleeve
462-1204	Gas Line Male Connector
483-1207	Gas Line Compression Elbow
*493-3166	Welch Plug
508-5200	Fuel Pump Assembly
*508-5201	Fuel Pump Body—Upper
*508-5202	Diaphragm—Fuel Pump
*509-5203	Check Valve
*508-5207	Fuel Pump Body—Lower
508-5208	Bracket—Fuel Pump
462-5802	Screw—Bracket to Crankcase Flange
*508-6026	Screw—Fuel Pump Body

\*Included in 508-5200 Assembly



POWERHEAD - 510 - Same as 500, Page P17, 18  
 POWERHEAD - 511 - Same as 501, Page P19, 20  
 POWERHEAD - 517 - Same as 507, Page P21, 22  
 except top two Cylinder Head  
 Screws are 463-5813  
**POWERHEAD - 513**



Part Number	Description
5013-123	Lead Wire Clamp
461-500	Spark Plug
463-501	Spark Plug Rubber Hood
487-645	Washer—Synch. Control Shaft
483-1631	Gas Tank Skirt Bracket
462-1866	Gas Tank Bracket Washer
465-1868	Reed Valve Plate Assembly
465-1872	Reed Valve Plate Gasket
503-1873S	Intake Manifold
480-1874	Carburetor Flange Gasket
483-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
465-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
465-1897	Exhaust Cover Plate
465-1898	Exhaust Cover Plate Gasket
465-1899	Oil Seal
483-1902	Bracket—Gas Tank Front R.H.
483-1903	Bracket—Gas Tank Front L.H.
483-1904	Spacer—Gas Tank Rear Mounting
497-4614	Shaft—Synch. Control Follower

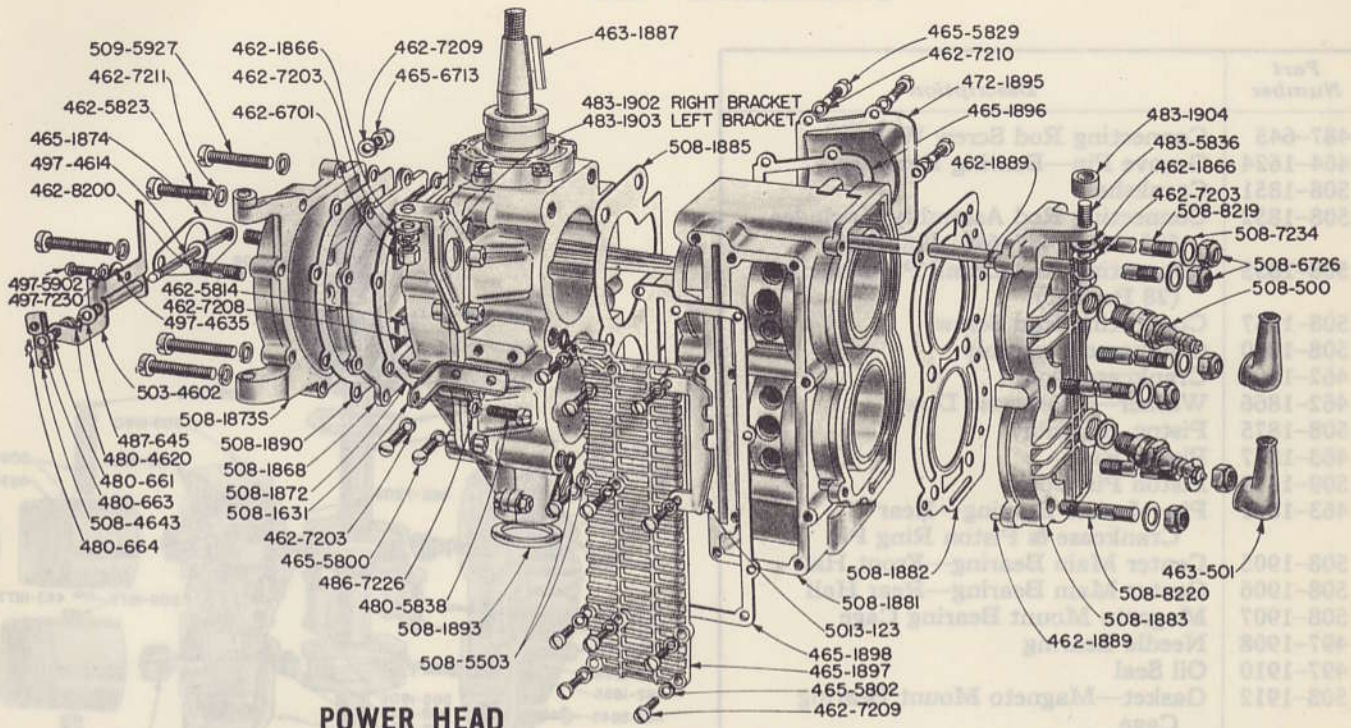
Part Number	Description
480-4620	Lock—Synch. Control Shaft
497-4631	Bearing—Synch. Control Follower
497-4633	Follower—Synch. Control
503-4634	Throttle—Actuator Arm
497-4635	Spring—Synchronous Control
465-5800	Screw—Gas Tank Skirt Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Screw—Reed Valve Clamp
462-5815	Screw—Intake Manifold Short
465-5827	Screw—Intake Manifold Long
465-5829	Screw—Intake Cover Plate
483-5836	Screw—Gas Tank Mounting—Rear
480-5838	Screw—Gas Tank Skirt to Bracket
497-5902	Adjusting Screw—Synch. Control Follower
462-6704	Locknut—Cylinder Head
465-6713	Nut—Synch. Control Shaft
462-7203	Lockwasher—1/4" Common
462-7208	Lockwasher—Reed Valve Clamp Screw
462-7209	Lockwasher—#10 Common
462-7210	Lockwasher—#8 Common
486-7226	Lock Washer—Synch. Control Follower
497-7230	Lockwasher—Gas Tank Skirt to Bracket
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
497-8216	Stud—Cylinder Exh. Flange







# POWERHEAD - 518



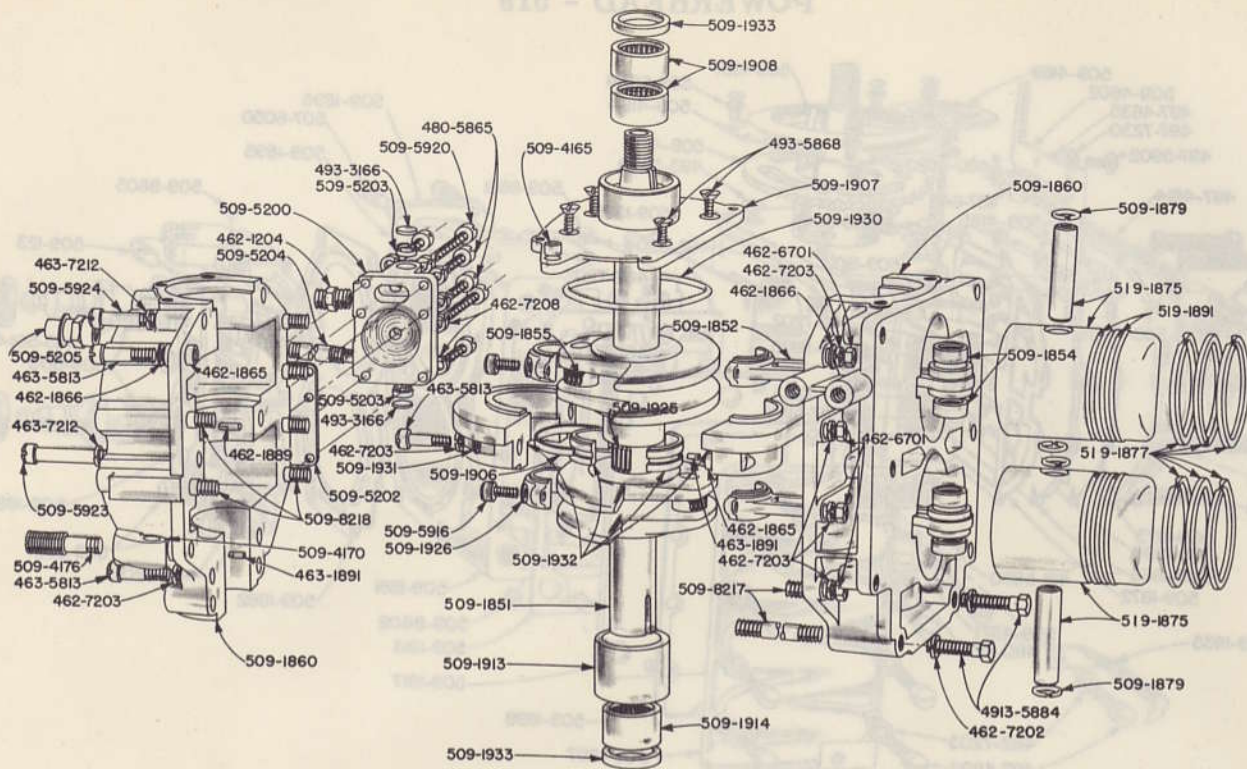
**POWER HEAD**

Part Number	Description
5013-123	Lead Wire Clamp
508-500	Spark Plug
463-501	Spark Plug Rubber Hood
487-645	Washer Synch. Control Shaft Lever
480-661	Choke Lever Pivot Pin
480-663	Washer—Choke Lever Pivot Pin
480-664	Hairpin Cotter
508-1631	Gas Tank Skirt Bracket
462-1866	Spacer—Gas Tank Bracket and Rear Mounting Screw
508-1868	Reed Valve Plate Assembly
508-1872	Valve Reed Plate Gasket
508-1873S	Intake Manifold
465-1874	Carburetor Flange Gasket
508-1881	Cylinder Block
508-1882	Cylinder Head Gasket
508-1883	Cylinder Head
508-1885	Cylinder Flange Gasket
463-1887	Flywheel Key
462-1889	Cylinder Head Dowel
508-1890	Intake Manifold Gasket
508-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate—Top
465-1896	Intake Cover Plate Gasket
465-1897	Exhaust Cover Plate
465-1898	Exhaust Cover Plate
483-1902	Bracket—Gas Tank Front—R.H.
483-1903	Bracket—Gas Tank Front—L.H.
483-1904	Gas Tank Rear Mounting
503-1937	Intake Cover Plate—Bottom

Part Number	Description
503-4602	Synchronous Control Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
497-4635	Synchronous Control Spring
508-4643	Link—Throttle Actuator
508-5503	Seal Ring—Cylinder Block Stud
465-5800	Screw—Gas Tank Skirt Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Screw—Valve Reed Clamp
462-5823	Screw—Intake Manifold—Short
465-5829	Screw—Intake Cover Plate
483-5836	Screw—Gas Tank Rear Mounting
480-5838	Screw—Gas Tank Skirt to Bracket
497-5902	Adjusting Screw—Synch. Control Follower
509-5927	Screw—Intake Manifold—Long
462-6701	Nut—Gas Tank Bracket
465-6713	Nut—Synchronous Control Follower
508-6726	Locknut—Cylinder Head
462-7203	Lockwasher—Gas Tank Bracket
462-7208	Lockwasher—Valve Reed Clamp Screw
462-7209	Lockwasher—Synch. Control Shaft & Exhaust Cover Plate
462-7210	Lockwasher—Intake Cover Plate Screw
462-7211	Lockwasher—Intake Manifold Screw
486-7226	Lockwasher—Gas Tank Skirt to Bracket
497-7230	Lockwasher—Synch. Control Follower
508-7234	Washer—Cylinder Head
462-8200	Carburetor Stud
508-8219	Stud—Cylinder Block
508-8220	Stud—Cylinder Block



# CRANKCASE - 519



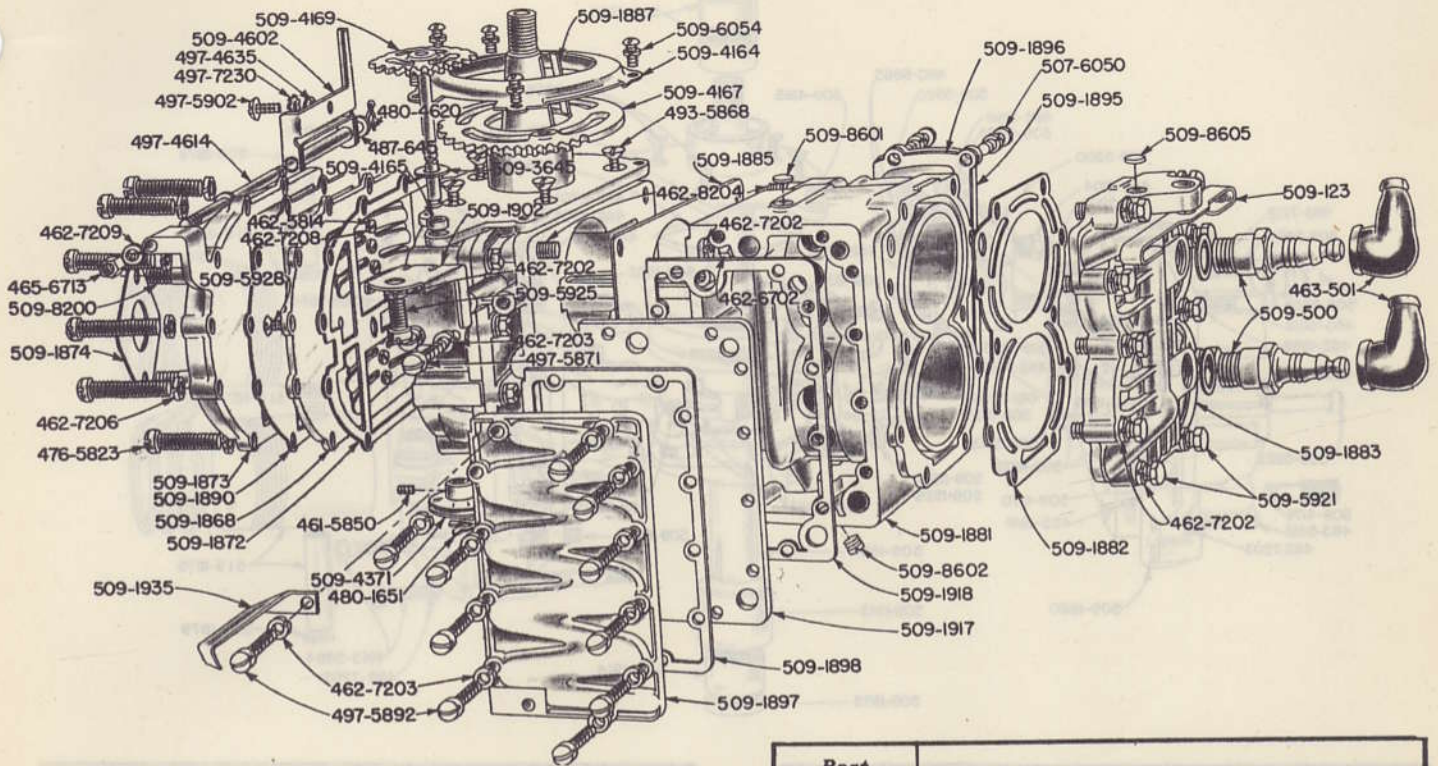
Part Number	Description
462-1204	Male Connector—Gas Line
509-1851	Crankshaft
509-1852	Connecting Rod Assembly (Includes 509-1854, 509-1855, 509-5916, 509-1926)
509-1854	Bearing—Wrist Pin
*509-1855	Crank Pin Roller Set (56)
509-1860	Crankcase Assembly
462-1865	Dowel—Retainer
462-1866	Washer—Crankcase Flange Screw
519-1875	Piston Assembly
519-1877	Piston Ring
509-1879	Piston Pin Lock
462-1889	Pin—Center Bearing to Crankcase
519-1891	Piston Ring Pin
463-1891	Pin—Lower Bearing
463-1891	Dowel—Race to Retainer
509-1905	Needle Bearing Race
509-1906	Race Band
509-1907	Magneto Mount Plate
509-1908	Needle Bearing—Magneto Mount
509-1911	Magneto Mount Assy. (Includes 509-1907, 509-1908, 509-4165, 509-1933)
509-1913	Retainer—Lower Crankshaft Bearing
509-1914	Needle Bearing
509-1916	Lower Crankshaft Bear. Assy. (Includes 509-1913, 509-1914, 509-1933)
*509-1925	Center Crankshaft Roller Bear. Set (27)
509-1926	Washer—Connecting Rod Cap Screw
509-1930	"O" Ring Magneto Mount
509-1931	Washer—Center Bearing Screw
509-1932	Center Bearing Assembly (Inc. 509-1863,

Part Number	Description
509-1905, 509-1906, 509-5938, 509-1931, 462-1865, 462-7203, 509-1925, 509-1891)	Oil Seal
509-1933	Oil Seal
493-3166	Welch Plug
509-4165	Bearing—Magneto Pinion Shaft
509-4170	Bearing—Mag. Pinion Shaft—Lower
509-4176	Adjusting Screw
509-5200	Fuel Pump Body Assembly (Includes 509-5203, 493-3166)
509-5202	Diaphragm—Fuel Pump
509-5203	Check Valve
509-5204	Fuel Pump Filter Assembly
509-5205	Plug—Fuel Coupling
463-5813	Screw—Crankcase Flange
463-5813	Screw—Lower Main Bearing
463-5813	Screw—Center Bearing
480-5865	Screw—Fuel Pump—Short
493-5868	Screw—Mag. Mount Bearing Cage
4913-5884	Screw—Crankcase to Block
509-5916	Screw—Connecting Rod Cap
509-5920	Screw—Fuel Pump—Long
509-5923	Screw—Crankcase Center Front
509-5924	Screw—Top Crankcase
462-6701	Nut—Crankcase Flange Screw and Stud
462-7202	Lockwasher—Crankcase to Block
462-7203	Lockwasher
462-7208	Lockwasher—Fuel Pump Screw
463-7212	Lockwasher—Top & Center Screws
509-8217	Stud—Lower Crankcase
509-8218	Stud—Crankcase Front

\* Sold in Sets Only, to Maintain Uniformity



# POWERHEAD - 519

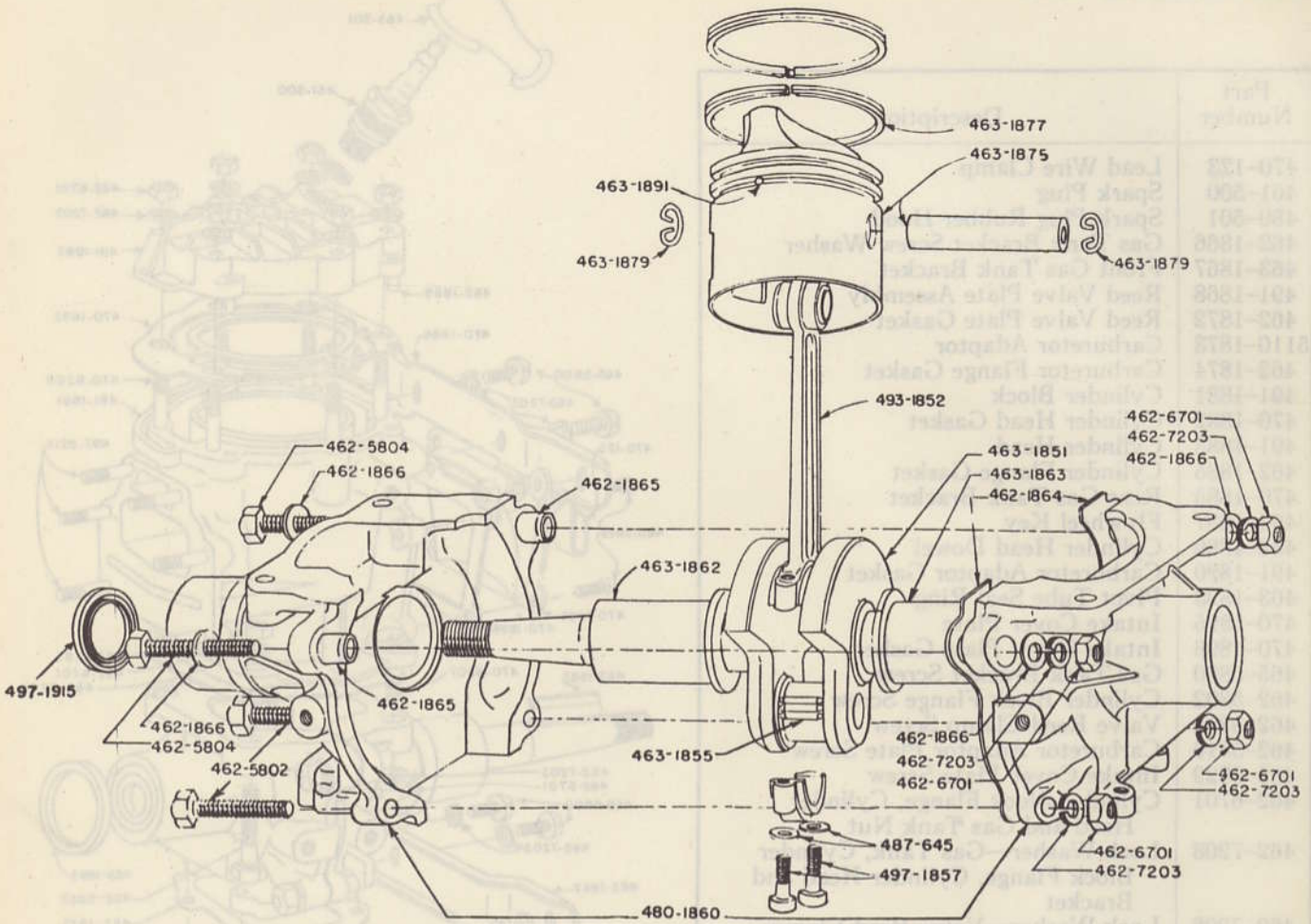


Part Number	Description
509-123	Lead Wire Clamp
509-176	Lead Wire Clamp
509-500	Spark Plug
463-501	Spark Plug Rubber Hood
487-645	Washer
480-1651	'X' Washer—Magneto Pulley Shaft
509-1868	Reed Valve Plate Assembly
509-1872	Gasket—Reed Valve Plate
509-1873	Intake Manifold
509-1874	Carburetor Flange Gasket
509-1881	Cylinder Block
509-1882	Gasket—Cylinder Head
509-1883	Cylinder Head
509-1885	Cylinder Flange Gasket
509-1887	Flywheel Key
509-1890	Intake Manifold Gasket
509-1895	Intake Cover Plate Assembly
†509-1896	Gasket—Intake Cover Plate
509-1897	Exhaust Cover Plate
509-1898	Exhaust Cover Plate Gasket
509-1902	Hood Bracket
509-1917	Water Cover Plate
509-1918	Water Cover Plate Gasket
509-1935	Lead Wire Guide
509-3645	Washer—Pinion Thrust
509-4164	Mounting Ring—Stator Plate
509-4165	Bearing—Magneto Pinion Shaft
509-4167	Gear—Stator Plate
509-4169	Magneto Pinion Pulley
509-4371	Magneto Pulley Assembly

Part Number	Description
509-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
*497-4635	Spring—Synchronous Control
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
461-5850	Set Screw—Magneto Pinion Pulley
493-5868	Screw—Magneto Mount Bearing
497-5871	Screw—Hood Bracket to Powerhead
497-5891	Screw—Mag. Pinion Shaft Lower Bearing
497-5892	Screw—Water Cover Plate
*497-5902	Adjust. Screw—Synch. Control Follower
509-5921	Screw—Cylinder Head
509-5925	Screw—Hood Bracket to Hood
509-5928	Screw—Reed Valve Plate
507-6050	Screw—Intake Cover Plate
509-6054	Screw—Mounting Ring
462-6702	Nut—Cylinder Block Studs
465-6713	Nut—Synchronous Control Shaft
462-7202	Lockwasher—5/16" Common
462-7203	Lockwasher—1/4" Common
462-7206	Lockwasher—Intake Manifold
462-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher—Synchronous Control Shaft
*497-7230	Lockwasher—Synch. Control Follower
509-8200	Stud—Carburetor Flange
462-8204	Stud—Crankcase to Block
509-8601	Welch Plug—Cylinder Block
509-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
†	Included in 509-1895 Assembly
*	Included in 509-4602 Assembly



# CRANKCASE 3025



Part Number	Description
487-645	Connecting Rod Screw Washer
463-1851	Crankshaft
493-1852	Connecting Rod and Cap (Includes 463-1855, 487-645 and 497-1857)
463-1855	Connecting Rod Crank Pin Roller Set (24) Note: When replacing rollers of a Connecting Rod that is identified by a white mark, order 463-1855-0 (oversize—23 per set)
497-1857	Connecting Rod Screw
480-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings)

Part Number	Description
463-1862	Upper Crankshaft Bearing
463-1863	Lower Crankshaft Bearing
462-1864	Crankcase Gasket
462-1865	Crankcase Dowel
462-1866	Crankcase Dowel Washer
463-1875	Piston and Pin
463-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
497-1915	Oil Seal—Upper Crankshaft Bearing
462-5802	Front Crankcase Flange Screw
462-5804	Rear Crankcase Flange Screw
462-6701	Crankcase Flange Screw Nut
462-7203	Lock Washer for Crankcase Flange Screw Nut







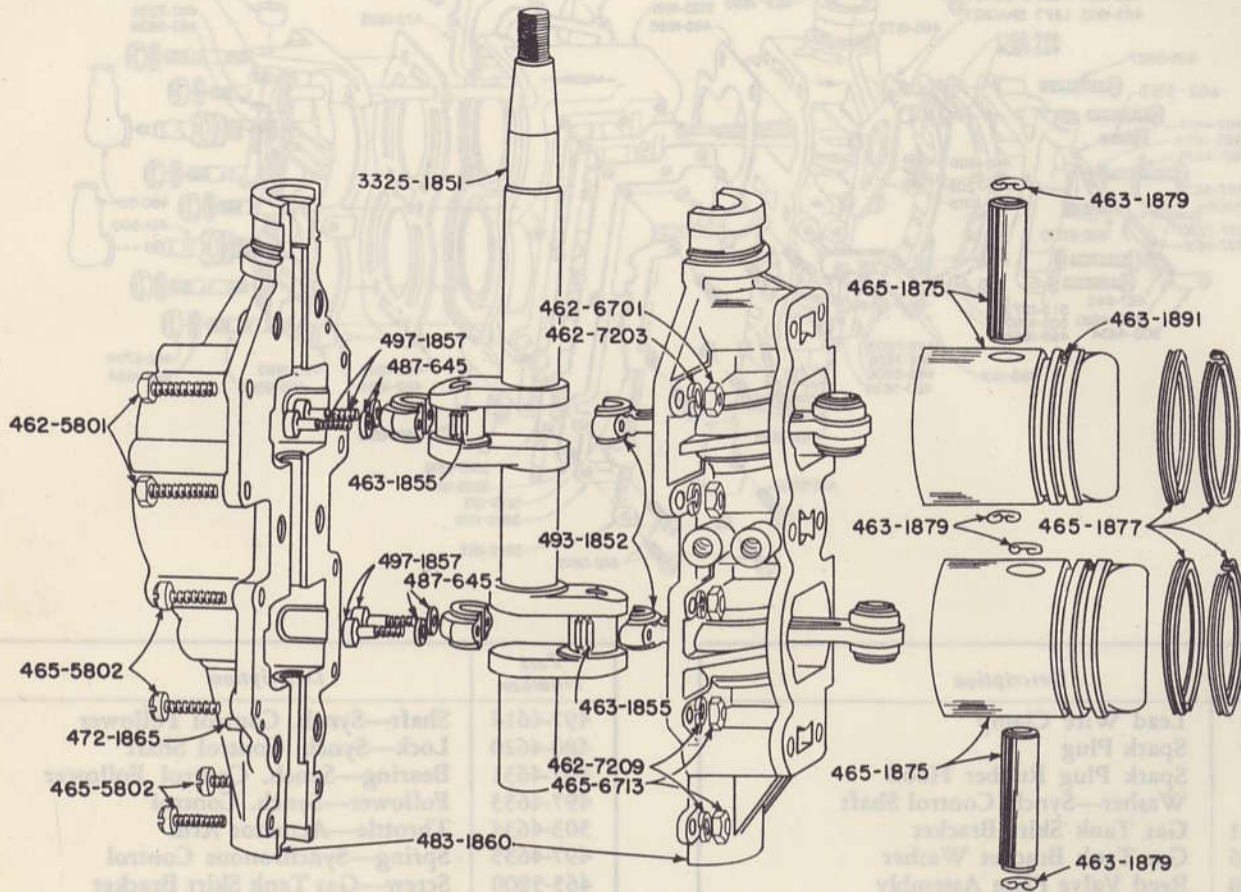








CRANKCASE 3325

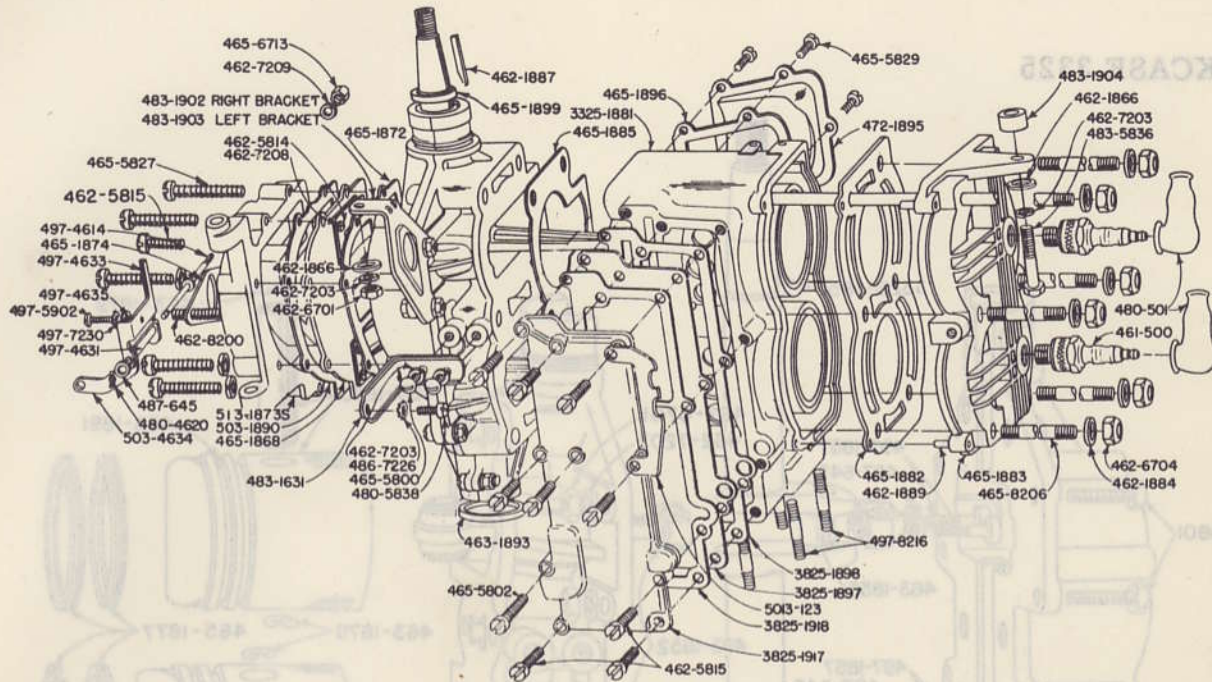


Part Number	Description
487-645	Connecting Rod Screw Washer
3325-1851	Crankshaft
493-1852	Connecting Rod Assembly (Includes 463-1855, 487-645 and 497-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24) NOTE: When replacing rollers of a connecting rod that is identified by a white mark, order 463-1855-0 (23 per set)
497-1857	Connecting Rod Screw
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)

Part Number	Description
472-1865	Crankcase Dowel
465-1875	Piston and Pin
465-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange
462-7209	Lock Washer—Crankcase Flange
	Screw Nut
	*Sold in sets only, to maintain uniformity.



# POWERHEAD 3325

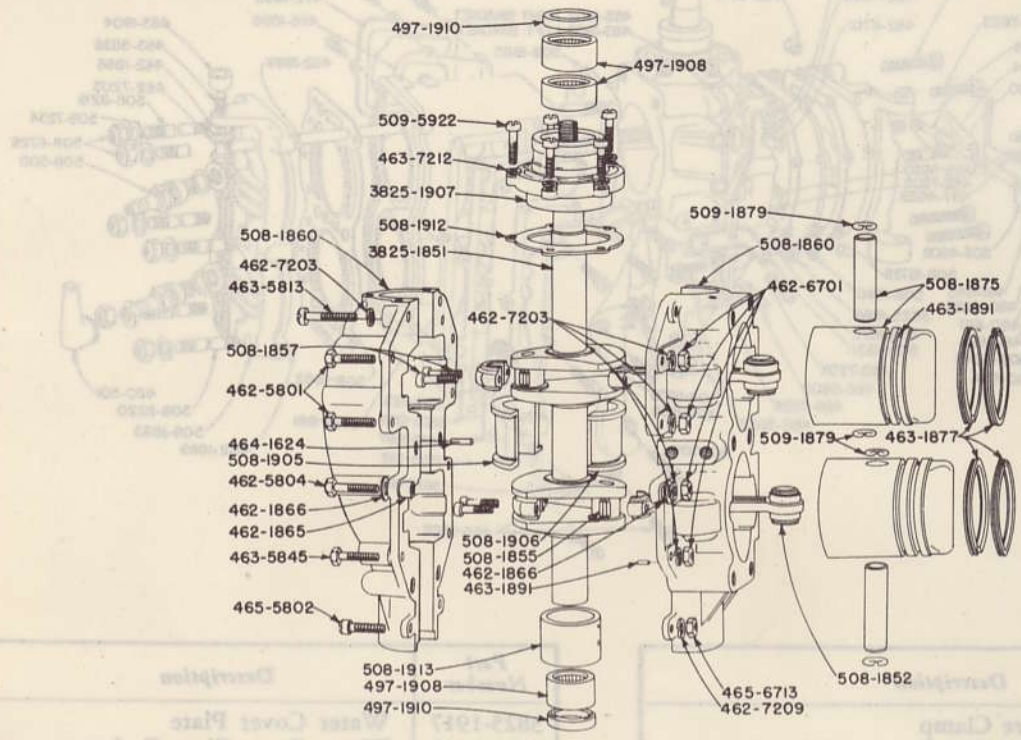


Part Number	Description
5013-123	Lead Wire Clamp
461-500	Spark Plug
480-501	Spark Plug Rubber Hood
487-645	Washer—Synch. Control Shaft
483-1631	Gas Tank Skirt Bracket
462-1866	Gas Tank Bracket Washer
465-1868	Reed Valve Plate Assembly
465-1872	Reed Valve Plate Gasket
513-1873S	Intake Manifold
465-1874	Carburetor Flange Gasket
3325-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
462-1887	Flywheel Key
462-1889	Cylinder Head Dowel
503-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
3825-1897	Exhaust Cover Plate
3825-1898	Exhaust Cover Plate Gasket
465-1899	Oil Seal
483-1902	Bracket—Gas Tank Front R.H.
483-1903	Bracket—Gas Tank Front L.H.
483-1904	Spacer—Gas Tank Rear Mounting
503-1924	Grommet—Gas Tank Bracket
3825-1918	Water Cover Plate Gasket
3825-1917	Water Cover Plate

Part Number	Description
497-4614	Shaft—Synch. Control Follower
480-4620	Lock—Synch. Control Shaft
497-4631	Bearing—Synch. Control Follower
497-4633	Follower—Synch. Control
503-4634	Throttle—Actuator Arm
497-4635	Spring—Synchronous Control
465-5800	Screw—Gas Tank Skirt Bracket
465-5802	Screw—Exhaust Cover Plate
462-5814	Screw—Reed Valve Clamp
462-5815	Screw—Intake Manifold Short—Exhaust Cover Plate
465-5827	Screw—Intake Manifold Long
465-5829	Screw—Intake Cover Plate
483-5836	Screw—Gas Tank Mounting—Rear
480-5838	Screw—Gas Tank Skirt to Bracket
497-5902	Adjusting Screw—Synch. Control Follower
462-6701	Nut—Gas Tank Mounting Stud
462-6704	Locknut—Cylinder Head
465-6713	Nut—Synch. Control Shaft
462-7203	Lockwasher—1/4 Inch Common
462-7208	Lockwasher—Reed Valve Clamp Screw
462-7209	Lockwasher—#10 Common
486-7226	Lockwasher—Skirt Mounting Screw
497-7230	Lockwasher—Gas Tank Skirt to Bracket
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
497-8216	Stud—Cylinder Exh. Flange



CRANKCASE 3825



Part Number	Description
464-1624	Groove Pin—Bearing Retainer
3825-1851	Crankshaft
508-1852	Connecting Rod Assembly (Includes 508-1855, 508-1857)
508-1855	Connecting Rod Crank Pin Rollers (28 Per Set)
508-1857	Connecting Rod Screw
508-1860	Crankcase Assembly
462-1865	Crankcase Dowel
462-1866	Washer—Crankcase Dowel
508-1875	Piston Assembly
463-1877	Piston Ring
509-1879	Piston Pin Lock
463-1891	Pin—Lower Bearing—Rear Crankcase & Piston Ring Pin
508-1905	Center Main Bearing—Front Half
508-1906	Center Main Bearing—Rear Half

Part Number	Description
3825-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing
497-1910	Oil Seal
3825-1911	Magneto Mount Assembly
508-1912	Gasket—Magneto Mount Bearing Cage
508-1913	Lower Crankshaft Bearing Retainer
508-1916	Lower Crankshaft Bearing Assembly
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-5804	Screw—Crankcase Flange
463-5813	Screw—Crankcase Flange
463-5845	Screw—Crankcase Flange
509-5922	Screw—Magneto Mount Bearing Cage
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lockwasher—Crankcase Flange Screw
462-7209	Lockwasher—Crankcase Flange Screw
463-7212	Lockwasher—Magneto Mount Bearing Cage

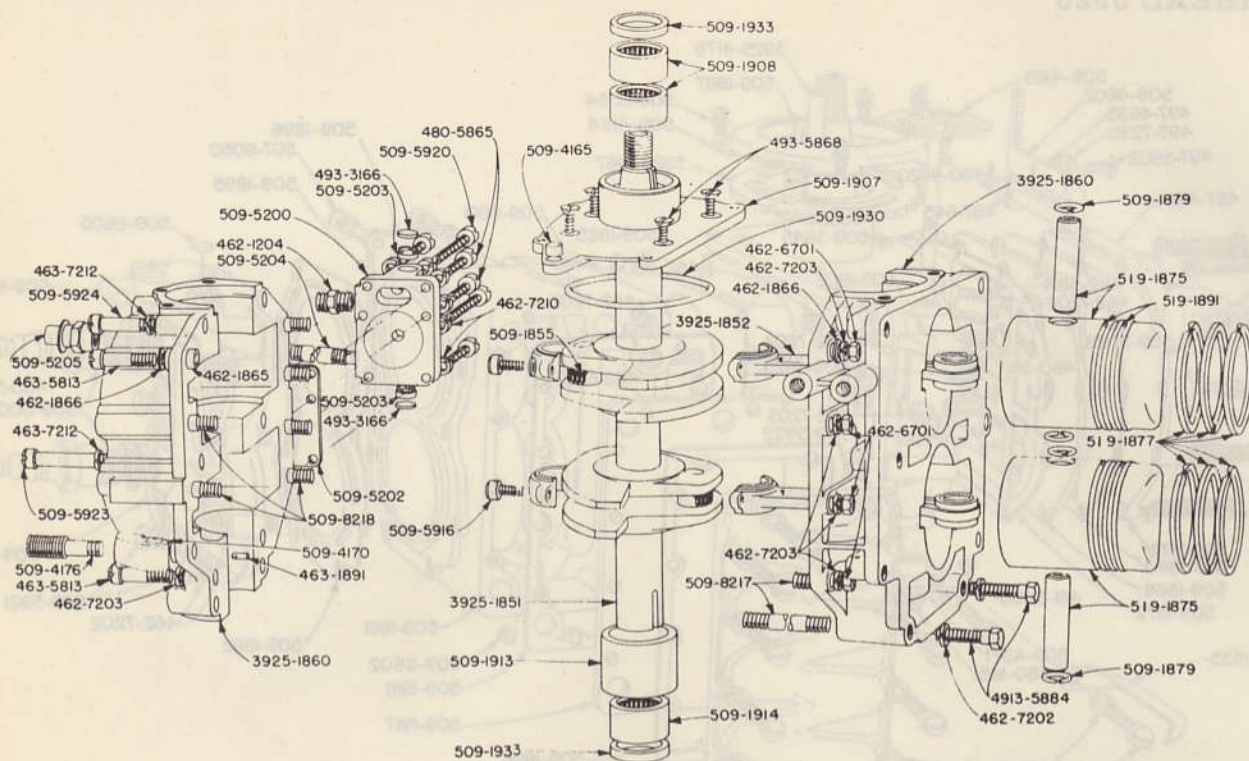






# CRANKCASE 3925 - Early Models used 509 - 1851

## Crankshaft and 509 - 1860 Crankcase



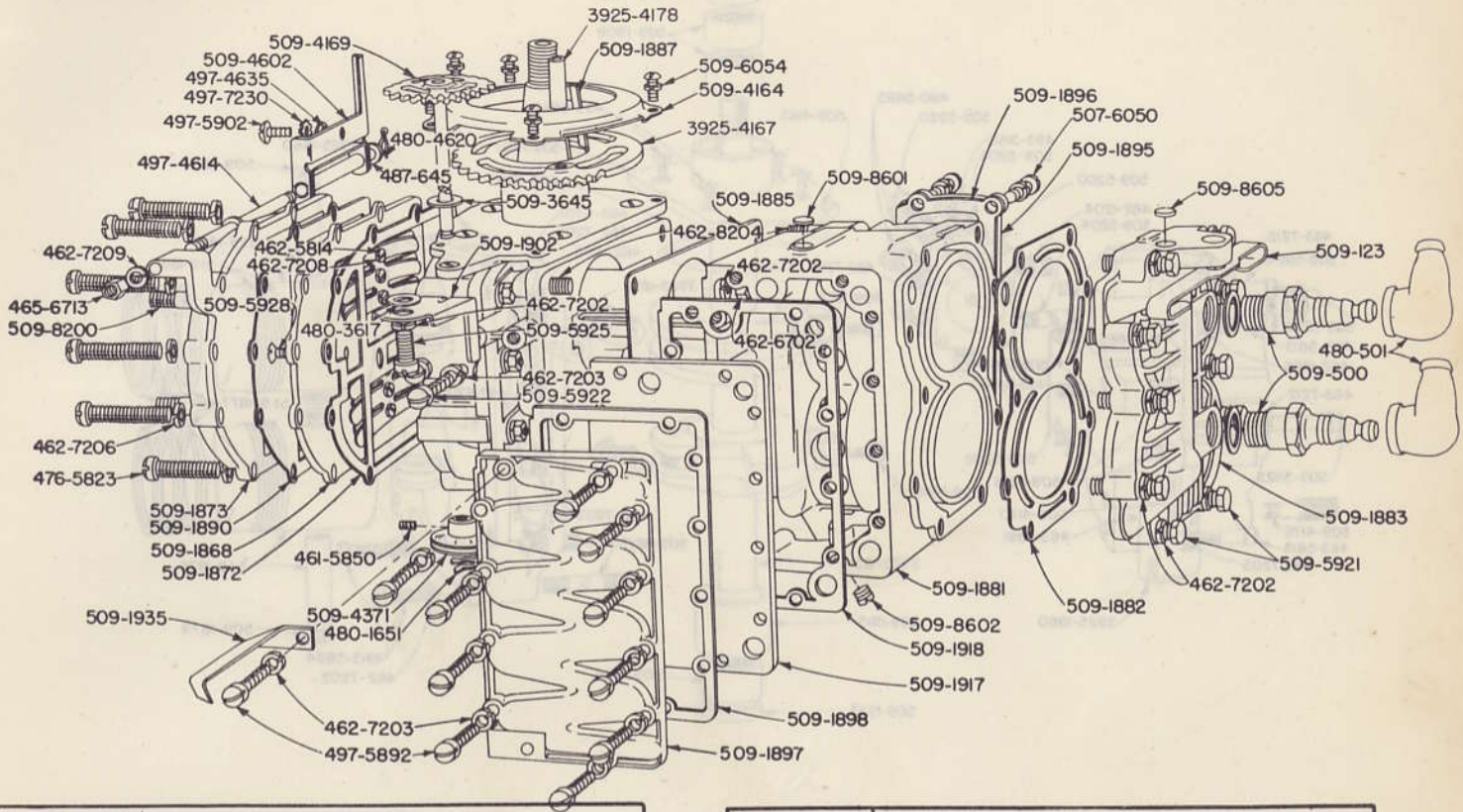
Part Number	Description
462-1204	Male Connector—Gas Line
3925-1851	Crankshaft
3925-1852	Connecting Rod Assembly (Includes 509-1855, 509-5916)
*509-1855	Crank Pin Roller Set (56)
3925-1860	Crankcase Assembly
462-1865	Dowel—Crankcase
462-1866	Washer—Crankcase Flange Screw
519-1875	Piston Assembly
519-1877	Piston Ring
509-1879	Piston Pin Lock
519-1891	Piston Ring Pin
463-1891	Pin—Lower Bearing
509-1907	Magneto Mount Plate
509-1908	Needle Bearing—Magneto Mount
509-1911	Magneto Mount Assy. (Includes 509-1907, 509-1908, 509-4165, 509-1933)
509-1913	Retainer—Lower Crankshaft Bearing
509-1914	Needle Bearing
509-1916	Lower Crankshaft Bear. Assy. (Includes 509-1913, 509-1914, 509-1933)
509-1930	"O" Ring Magneto Mount 509-1905, 509-1906, 509-5938, 509-1931, 462-1865, 462-7203, 509-1925, 509-1891)
509-1933	Oil Seal
493-3166	Welch Plug

Part Number	Description
509-4165	Bearing—Magneto Pinion Shaft
509-4170	Bearing—Mag. Pinion Shaft—Lower
509-4176	Adjusting Screw
509-5200	Fuel Pump Body Assembly (Includes 509-5203, 493-3166)
509-5202	Diaphragm—Fuel Pump
509-5203	Check Valve
509-5204	Fuel Pump Filter Assembly
509-5205	Plug—Fuel Coupling
463-5813	Screw—Crankcase Flange
463-5813	Screw—Lower Main Bearing
480-5865	Screw—Fuel Pump—Short
493-5868	Screw—Mag. Mount Bearing Cage
4913-5884	Screw—Crankcase to Block
509-5916	Screw—Connecting Rod Cap
509-5920	Screw—Fuel Pump—Long
509-5923	Screw—Crankcase Center Front
509-5924	Screw—Top Crankcase
462-6701	Nut—Crankcase Flange Screw and Stud
462-7202	Lockwasher—Crankcase to Block
462-7203	Lockwasher
462-7210	Lockwasher—Fuel Pump Screw
463-7212	Lockwasher—Top & Center Screws
509-8217	Stud—Lower Crankcase
509-8218	Stud—Crankcase Front

\* Sold in Sets Only, to Maintain Uniformity



# POWERHEAD 3925



Part Number	Description
509-123	Lead Wire Clamp
509-176	Lead Wire Clamp
509-500	Spark Plug
480-501	Spark Plug Rubber Hood
487-645	Washer
480-1651	'X' Washer—Magneto Pulley Shaft
509-1868	Reed Valve Plate Assembly
509-1872	Gasket—Reed Valve Plate
509-1873	Intake Manifold
509-1881	Cylinder Block
509-1882	Gasket—Cylinder Head
509-1883	Cylinder Head
509-1885	Cylinder Flange Gasket
509-1887	Flywheel Key
509-1890	Intake Manifold Gasket
509-1895	Intake Cover Plate Assembly
†509-1896	Gasket—Intake Cover Plate
509-1897	Exhaust Cover Plate
509-1898	Exhaust Cover Plate Gasket
509-1902	Hood Bracket
509-1917	Water Cover Plate
509-1918	Water Cover Plate Gasket
509-1935	Lead Wire Guide
480-3617	Washer—Hood to Bracket
509-3645	Washer—Pinion Thrust
509-4164	Mounting Ring—Stator Plate
3925-4167	Gear—Stator Plate
509-4169	Magneto Pinion Pulley
3925-4178	Spacer—Stator Plate Gear Screw
509-4371	Magneto Pulley Assembly

Part Number	Description
509-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
*497-4635	Spring—Synchronous Control
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
461-5850	Set Screw—Magneto Pinion Pulley
497-5892	Screw—Water Cover Plate
*497-5902	Adjust. Screw—Synch. Control Follower
509-5921	Screw—Cylinder Head
509-5922	Screw—Hood Bracket to Powerhead
509-5925	Screw—Hood Bracket to Hood
509-5928	Screw—Reed Valve Plate
507-6050	Screw—Intake Cover Plate
509-6054	Screw—Mounting Ring
462-6702	Nut—Cylinder Block Studs
465-6713	Nut—Synchronous Control Shaft
462-7202	Lockwasher—5/16" Common
462-7203	Lockwasher 1/4" Common
462-7206	Lockwasher—Intake Manifold
462-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher—Synchronous Control Shaft
*497-7230	Lockwasher—Synch. Control Follower
509-8200	Stud—Carburetor Flange
462-8204	Stud—Crankcase to Block
509-8601	Welch Plug—Cylinder Block
509-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
†Included in 509-1895 Assembly	
*Included in 509-4602 Assembly	

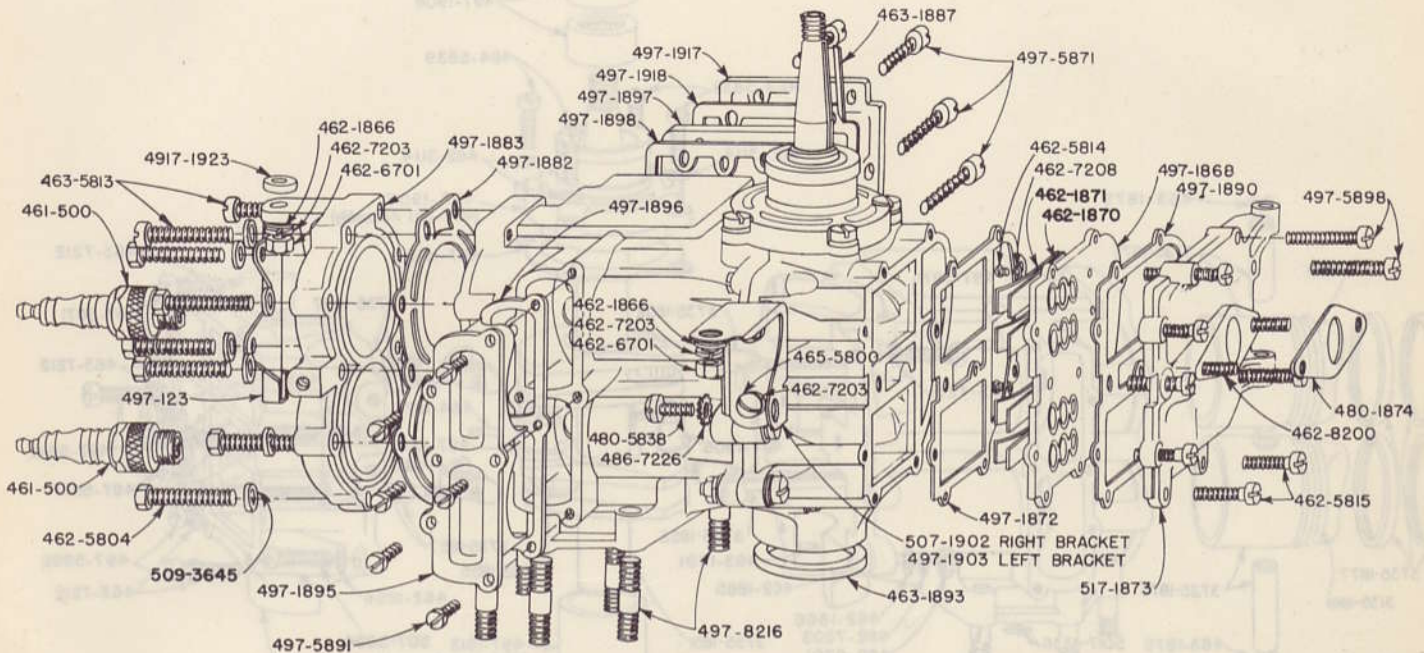






CRANKCASE 3735

POWERHEAD 3735

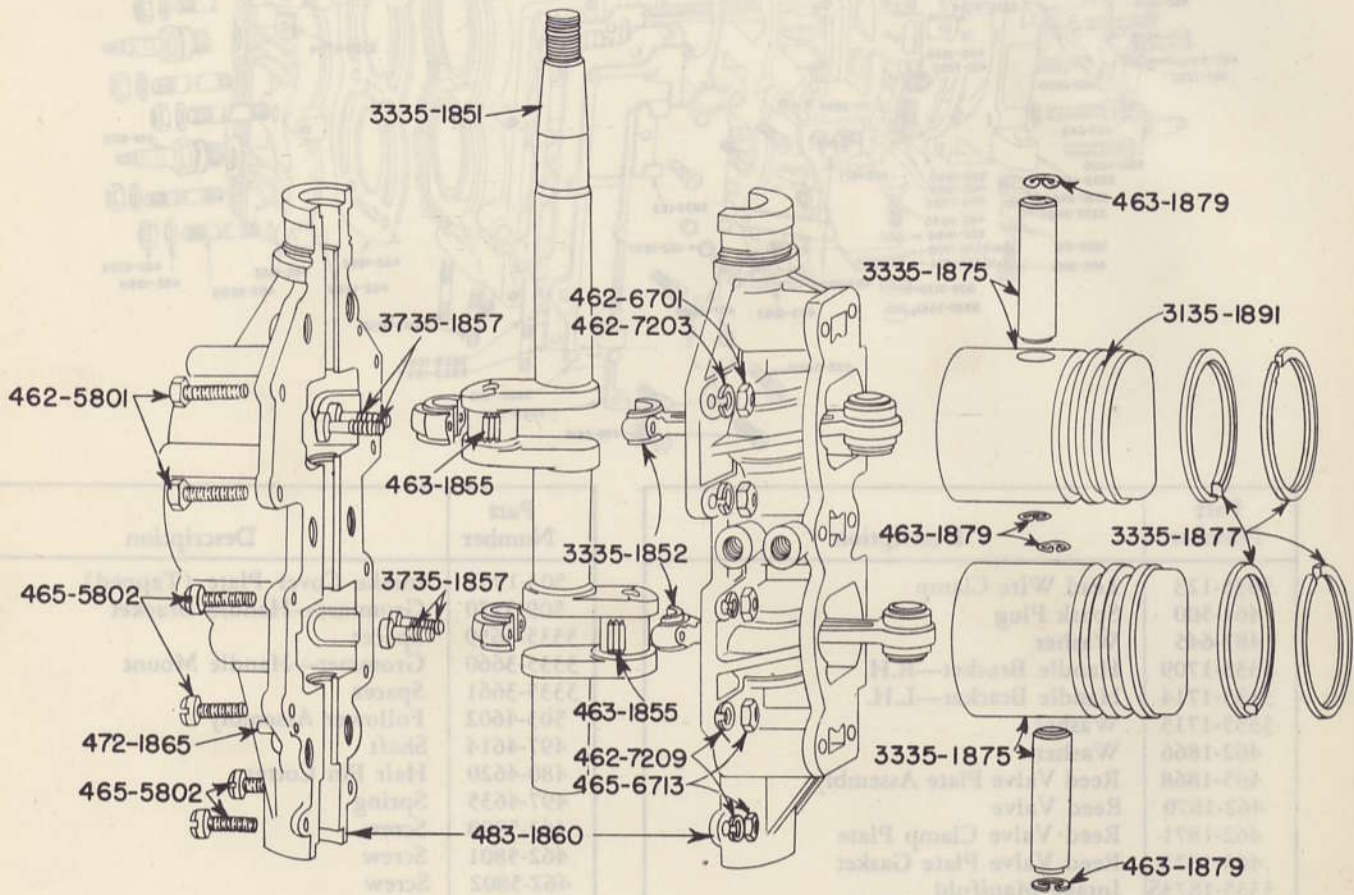


Part Number	Description
497-123	Lead Wire Clamp
461-500	Spark Plug
462-1866	Washer—Gas Tank Bracket
497-1868	Reed Valve Plate Assembly
462-1870	Reed
426-1871	Reed Bracket Clamp
497-1872	Valve Reed Plate Gasket
517-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
497-1882	Cylinder Head Plate Gasket
497-1883	Detachable Cylinder Head
463-1887	Flywheel Key
497-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
497-1895	Intake Cover Plate
497-1896	Intake Cover Plate Gasket
497-1897	Exhaust Cover Plate
497-1898	Exhaust Cover Plate Gasket
507-1902	Gas Tank Bracket (RH)
497-1903	Gas Tank Bracket (LH)
497-1917	Water Cover Plate
497-1918	Gasket—Water Cover Plate

Part Number	Description
4917-1923	Spacer—Gas Tank (Rear)
509-3645	Washer
465-5800	Screw—Gas Tank Bracket to Powerhead
462-5804	Screw—Cylinder Head
463-5813	Screw—Cylinder Head
462-5814	Screw—Valve Reed Clamp
462-5815	Screw—Intake Manifold—Short
480-5838	Screw—Gas Tank Skirt—Front
497-5871	Screw—Water Cover Plate
497-5891	Screw—Intake Cover Plate
497-5898	Screw—Intake Manifold—Long
497-5901	Screw—Water Cover Plate (Not Shown)
462-6701	Nut—Gas Tank Mounting Screw
462-7203	Lockwasher—Gas Tank Bracket
462-7203	Lockwasher—Bracket Screw
462-7208	Lockwasher—Valve Reed Clamp Screw
486-7226	Lockwasher—Skirt Mounting
462-8200	Carburetor Flange Stud
497-8216	Stud—Cylinder Exhaust Flange



# CRANKCASE 3335

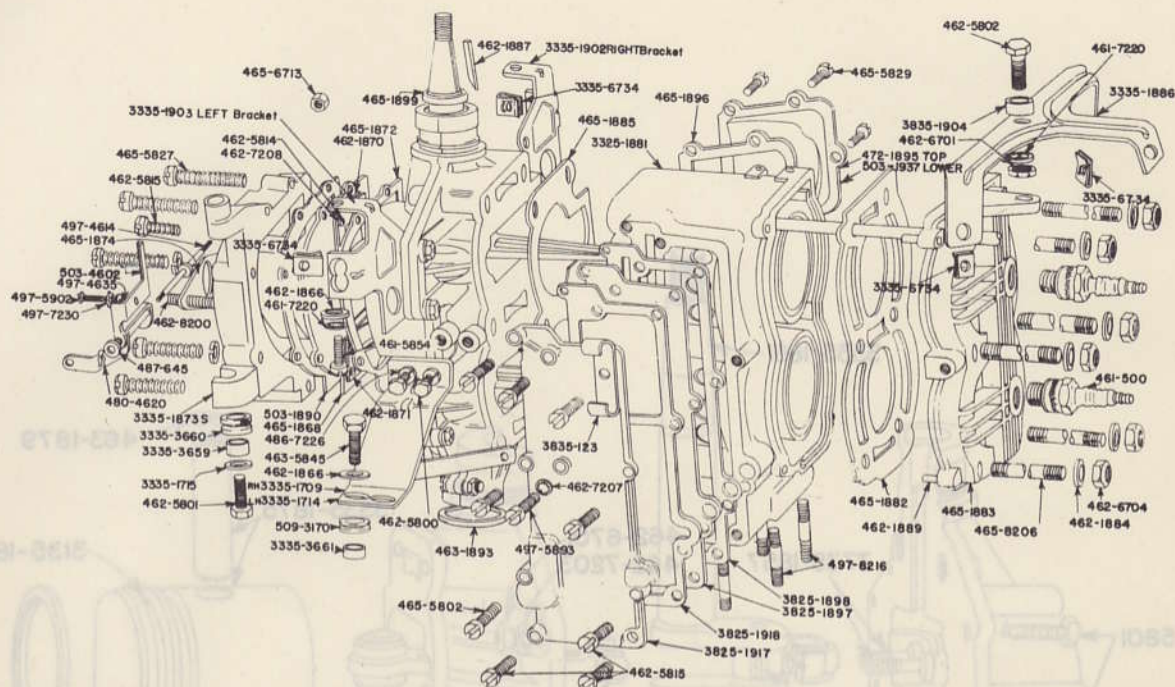


Part Number	Description
3335-1851	Crankshaft
3335-1852	Connecting Rod Assembly (Includes 463-1855 and 3735-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24)
3735-1857	Connecting Rod Screw
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
472-1865	Crankcase Dowel *Sold in sets only, to maintain uniformity

Part Number	Description
3335-1875	Piston and Pin
3335-1877	Piston Ring
463-1879	Piston Pin Lock
3135-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange Screw Nut
462-7209	Lock Washer—Crankcase Flange Screw Nut



## POWERHEAD 3335

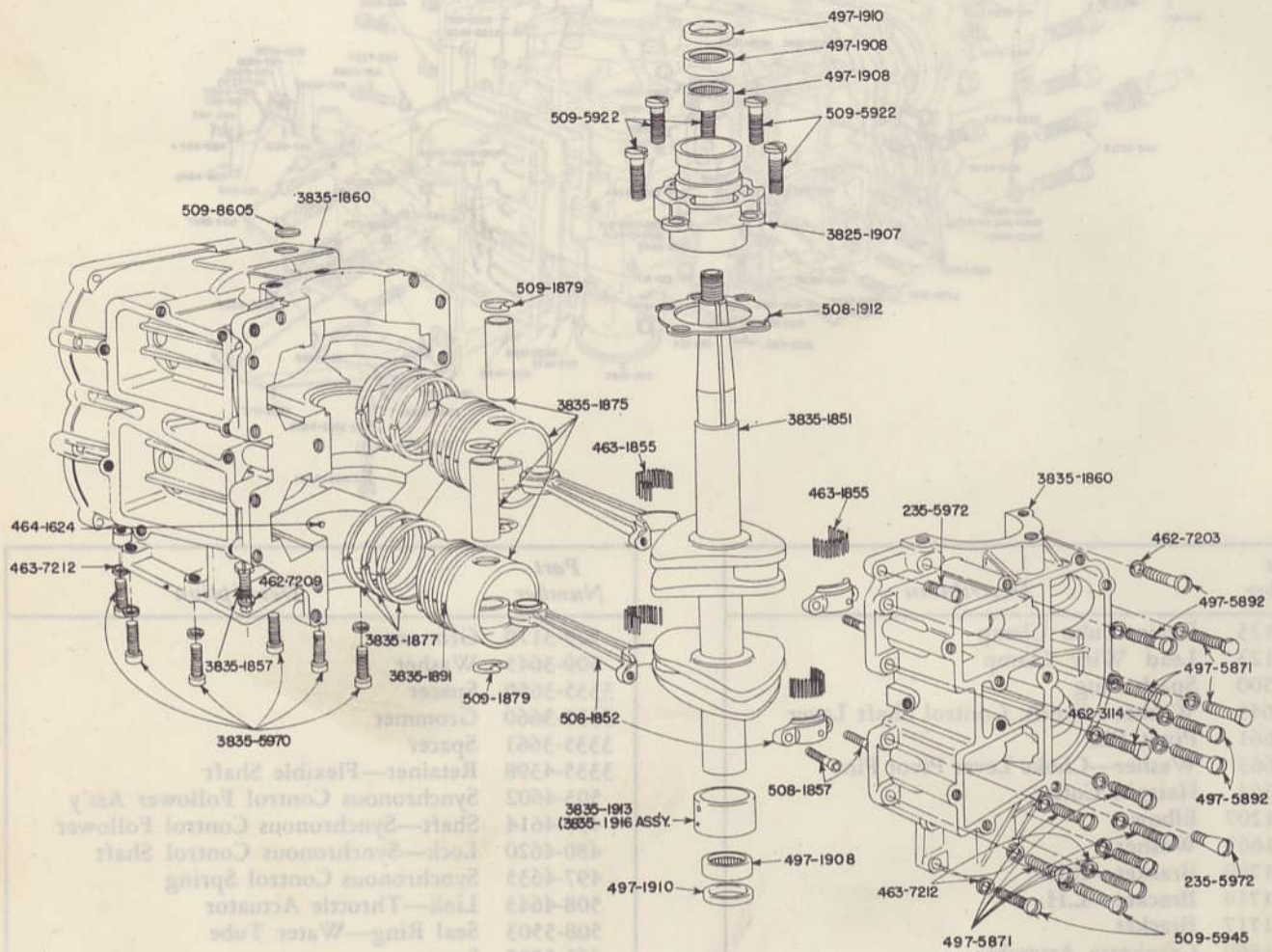


Part Number	Description
3835-123	Lead Wire Clamp
461-500	Spark Plug
487-645	Washer
3335-1709	Handle Bracket—R.H.
3335-1714	Handle Bracket—L.H.
3335-1715	Washer
462-1866	Washer
465-1868	Reed Valve Plate Assembly
462-1870	Reed Valve
462-1871	Reed Valve Clamp Plate
465-1872	Reed Valve Plate Gasket
3335-1873S	Intake Manifold
465-1874	Carburetor Flange Gasket
3325-1881	Cylinder Block
465-1882	Cylinder Head Gasket
465-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
3335-1886	Rear Bracket Assembly
462-1887	Flywheel Key
462-1889	Cylinder Head Dowel
503-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
3825-1897	Exhaust Cover Plate
3825-1898	Exhaust Cover Plate Gasket
465-1899	Oil Seal
3335-1902	Bracket—Front L.H.
3335-1903	Bracket—Front R.H.
3835-1904	Spacer
3825-1917	Water Cover Plate
3825-1918	Gasket—Water Cover Plate

Part Number	Description
503-1937	Intake Cover Plate (Tapped)
509-3170	Grommet—Handle Bracket
3335-3659	Spacer
3335-3660	Grommet—Handle Mount
3335-3661	Spacer
503-4602	Follower Assembly
497-4614	Shaft
480-4620	Hair Pin Cotter
497-4635	Spring
462-5800	Screw
462-5801	Screw
462-5802	Screw
465-5802	Screw
462-5814	Screw—Reed Valve Clamp
462-5815	Screw
465-5827	Screw—Intake Manifold
465-5829	Screw—Intake Cover Plate
463-5845	Screw
461-5854	Screw
497-5893	Screw
497-5902	Adjusting Screw
462-6701	Nut Starter Mounting Screw
462-6704	Locknut—Cylinder Head
465-6713	Nut
3335-6734	Speed Nut
462-7207	Lockwasher
462-7208	Lockwasher—Reed Valve Clamp Screw
461-7220	Lockwasher
486-7226	Lockwasher
497-7230	Lockwasher
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
497-8216	Stud—Cylinder Exh. Flange



### CRANKCASE 3835



Part Number	Description
464-1624	Groove Pin—Bearing Retainer
3835-1851	Crankshaft
508-1852	Connecting Rod Assembly (Includes 463-1855, 508-1857)
463-1855	Connecting Rod Crank Pin Rollers (28 Per Set)
508-1857	Connecting Rod Screw
3835-1857	Screw
3835-1860	Crankcase Assembly
3835-1875	Piston Assembly
3835-1877	Piston Ring
509-1879	Piston Pin Lock
3835-1891	Pin—Piston Ring Pin
3825-1907	Magneto Mount Bearing Cage
497-1908	Needle Bearing
497-1910	Oil Seal

Part Number	Description
3825-1911	Magneto Mount Assembly
508-1912	Gasket—Magneto Mount Bearing Cage
3835-1913	Lower Crankshaft Bearing Retainer
3835-1916	Lower Crankshaft Bearing Assembly
462-3114	Washer
497-5871	Screw
497-5892	Screw
509-5922	Screw—Magneto Mount Bearing Cage
509-5945	Screw
3835-5970	Screw
235-5972	Dowel Screw
462-7203	Lockwasher—Crankcase Flange Screw
462-7209	Lockwasher
463-7212	Lockwasher



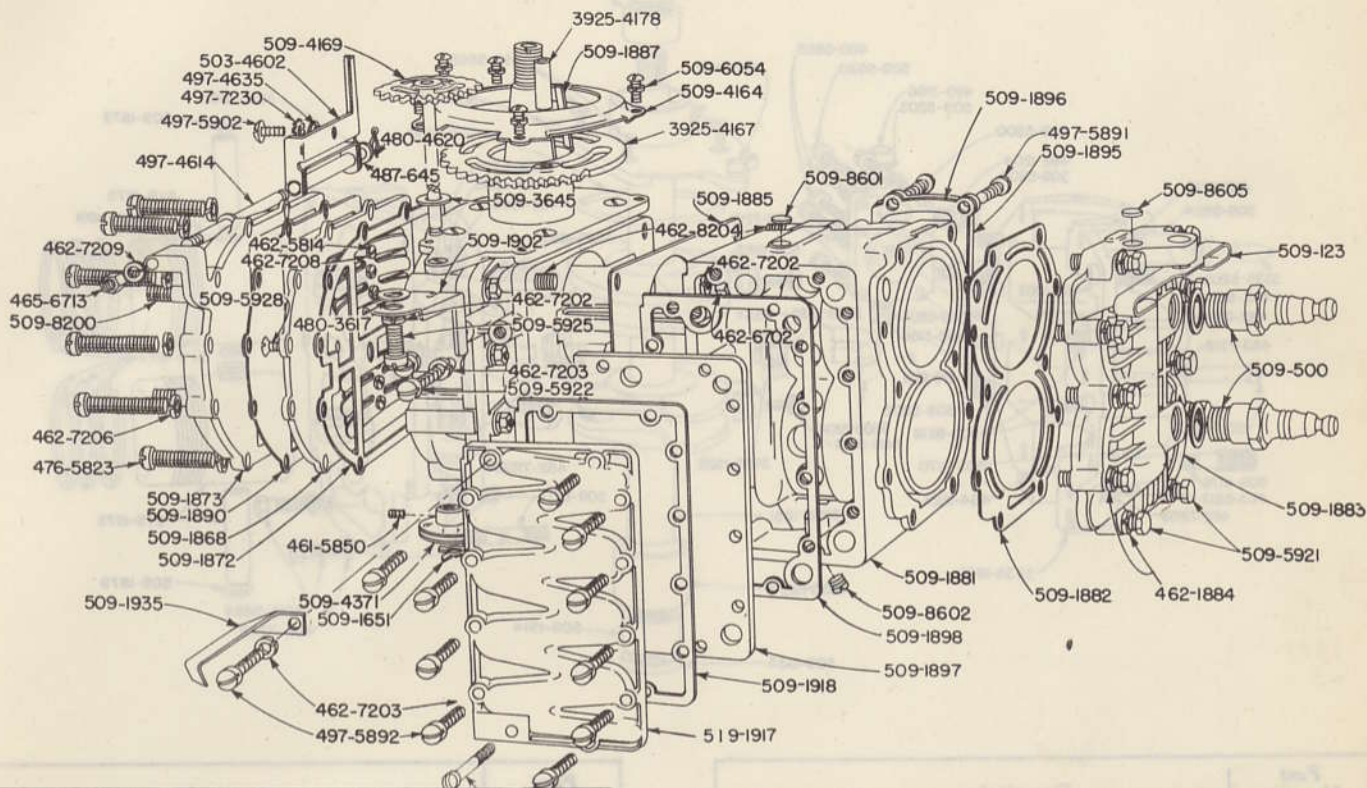








POWERHEAD 3935 (Early Models - Page P43)

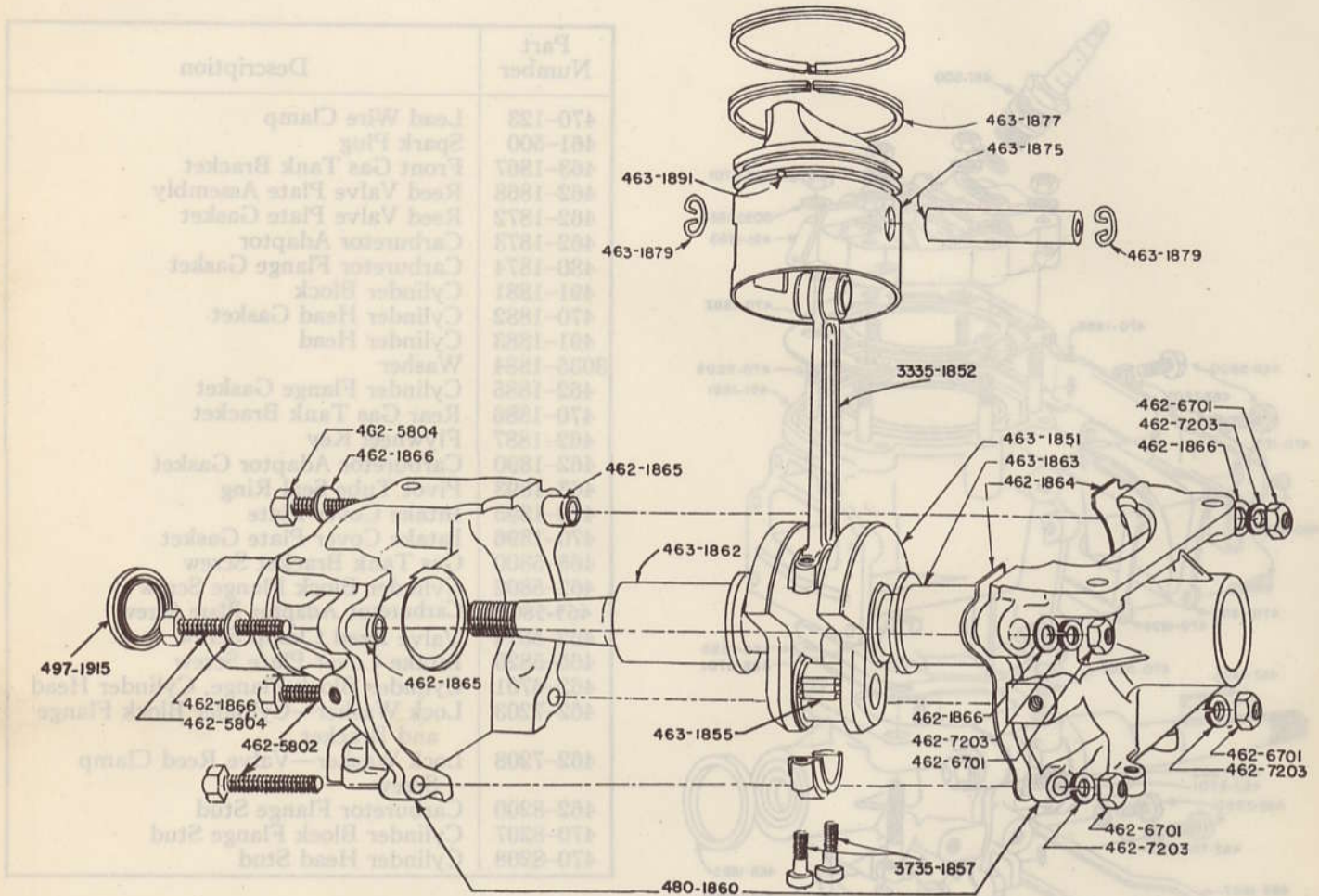


Part Number	Description	463-5808
509-123	Lead Wire Clamp	
509-176	Lead Wire Clamp	
509-500	Spark Plug	
487-645	Washer	
509-1651	'X' Washer—Magneto Pulley Shaft	
509-1868	Reed Valve Plate Assembly	
509-1870	Reeds Only	
509-1871	Reed Valve Clamp	
509-1872	Gasket—Reed Valve Plate	
509-1873	Intake Manifold	
519-1881	Cylinder Block	
509-1882	Gasket—Cylinder Head	
509-1883	Cylinder Head	
462-1884	Washer—Cylinder Head	
509-1885	Cylinder Flange Gasket	
509-1887	Flywheel Key	
509-1890	Intake Manifold Gasket	
509-1895	Intake Cover Plate Assembly	
†509-1896	Gasket—Intake Cover Plate	
509-1897	Exhaust Cover Plate	
509-1898	Exhaust Cover Plate Gasket	
509-1902	Hood Bracket	
509-1917	Water Cover Plate	
509-1918	Water Cover Plate Gasket	
509-1935	Lead Wire Guide	
480-3617	Washer—Hood to Bracket	
509-3645	Washer—Pinion Thrust	
509-4164	Mounting Ring—Stator Plate	
3925-4167	Gear—Stator Plate	
509-4169	Magneto Pinion Pulley	
3925-4178	Spacer—Stator Plate Gear Screw	
509-4371	Magneto Pulley Assembly	

Part Number	Description
509-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
*497-4635	Spring—Synchronous Control
463-5808	Screw
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
461-5850	Set Screw—Magneto Pinion Pulley
497-5891	Screw—Intake Cover Plate
497-5892	Screw—Water Cover Plate
*497-5902	Adjust. Screw—Synch. Control Follower
509-5921	Screw—Cylinder Head
509-5922	Screw—Hood Bracket to Powerhead
509-5925	Screw—Hood Bracket to Hood
509-5928	Screw—Reed Valve Plate
509-6054	Screw—Mounting Ring
462-6702	Nut—Cylinder Block Studs
465-6713	Nut—Synchronous Control Shaft
462-7202	Lockwasher—5/16" Common
462-7203	Lockwasher 1/4" Common
462-7206	Lockwasher—Intake Manifold
462-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher—Synchronous Control Shaft
*497-7230	Lockwasher—Synch. Control Follower
509-8200	Stud—Carburetor Flange
462-8204	Stud—Crankcase to Block
509-8601	Welch Plug—Cylinder Block
509-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
†Included in 509-1895 Assembly	
*Included in 509-4602 Assembly	



## CRANKCASE - 3045

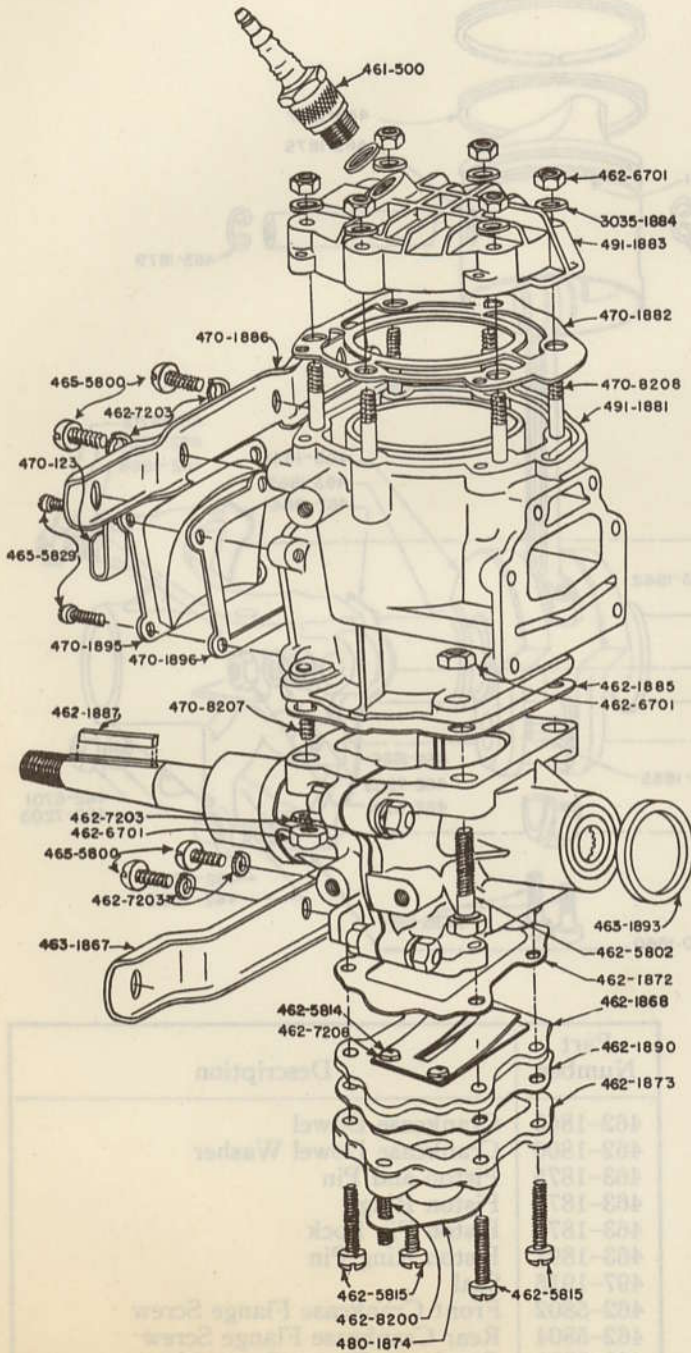


Part Number	Description
463-1851	Crankshaft
3335-1852	Connecting Rod and Cap (Includes 463-1855 and 3735-1857)
463-1855	Connecting Rod Crank Pin Roller Set (24)
3735-1857	Connecting Rod Screw
480-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings)
463-1862	Upper Crankshaft Bearing
463-1863	Lower Crankshaft Bearing
462-1864	Crankcase Gasket

Part Number	Description
462-1865	Crankcase Dowel
462-1866	Crankcase Dowel Washer
463-1875	Piston and Pin
463-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
497-1915	Seal
462-5802	Front Crankcase Flange Screw
462-5804	Rear Crankcase Flange Screw
462-6701	Crankcase Flange Screw Nut
462-7203	Lock Washer for Crankcase Flange Screw Nut



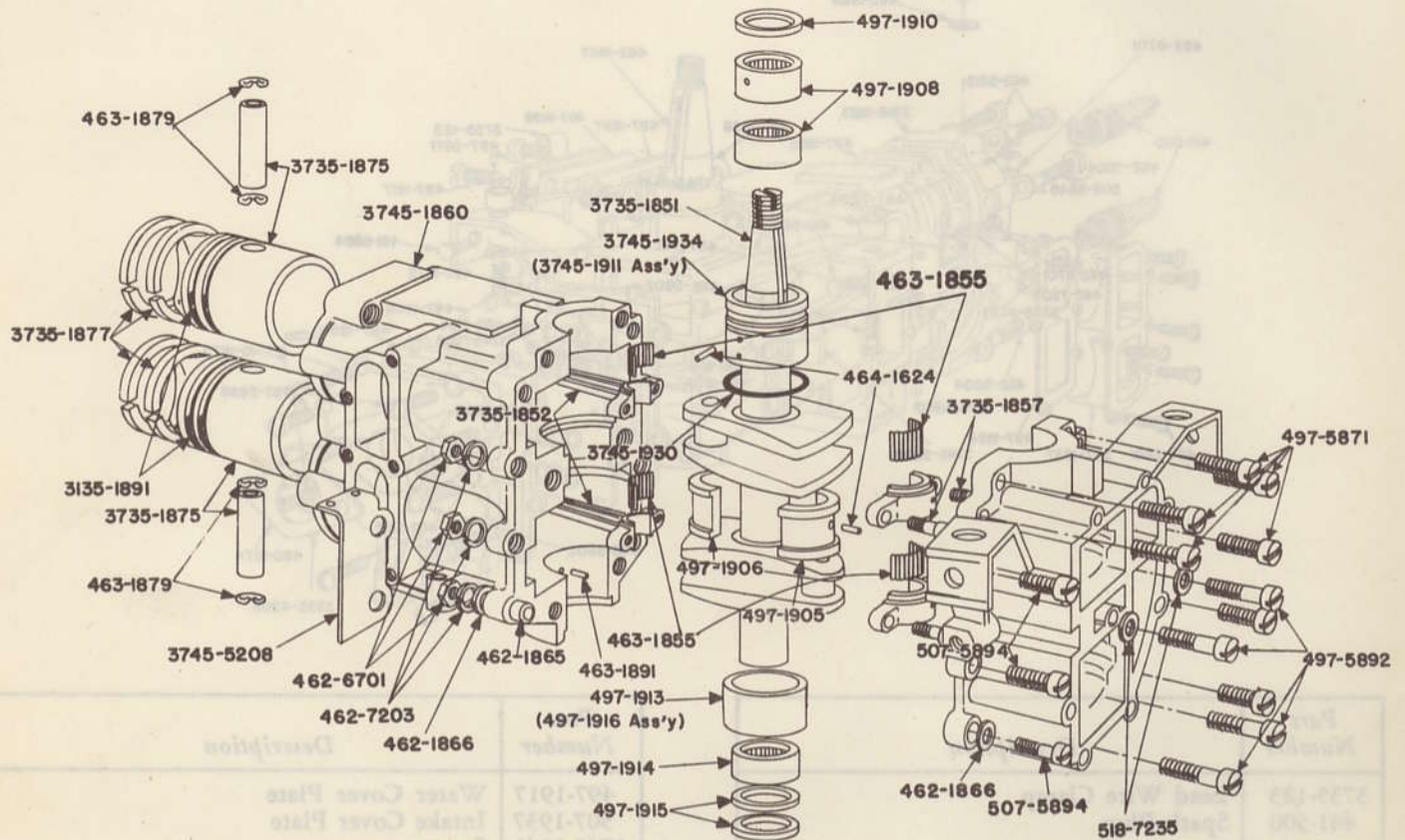
# POWERHEAD - 3045



Part Number	Description
470-123	Lead Wire Clamp
461-500	Spark Plug
463-1867	Front Gas Tank Bracket
462-1868	Reed Valve Plate Assembly
462-1872	Reed Valve Plate Gasket
462-1873	Carburetor Adaptor
480-1874	Carburetor Flange Gasket
491-1881	Cylinder Block
470-1882	Cylinder Head Gasket
491-1883	Cylinder Head
3035-1884	Washer
462-1885	Cylinder Flange Gasket
470-1886	Rear Gas Tank Bracket
462-1887	Flywheel Key
462-1890	Carburetor Adaptor Gasket
463-1893	Pivot Tube Seal Ring
470-1895	Intake Cover Plate
470-1896	Intake Cover Plate Gasket
465-5800	Gas Tank Bracket Screw
462-5802	Cylinder Block Flange Screw
465-5802	Carburetor Adaptor Plate Screw
462-5814	Valve Reed Clamp Screw
465-5829	Intake Cover Plate Screw
462-6701	Cylinder Block Flange, Cylinder Head
462-7203	Lock Washer—Cylinder Block Flange and Bracket
462-7208	Lock Washer—Valve Reed Clamp Screw
462-8200	Carburetor Flange Stud
470-8207	Cylinder Block Flange Stud
470-8208	Cylinder Head Stud



CRANKCASE - 3745

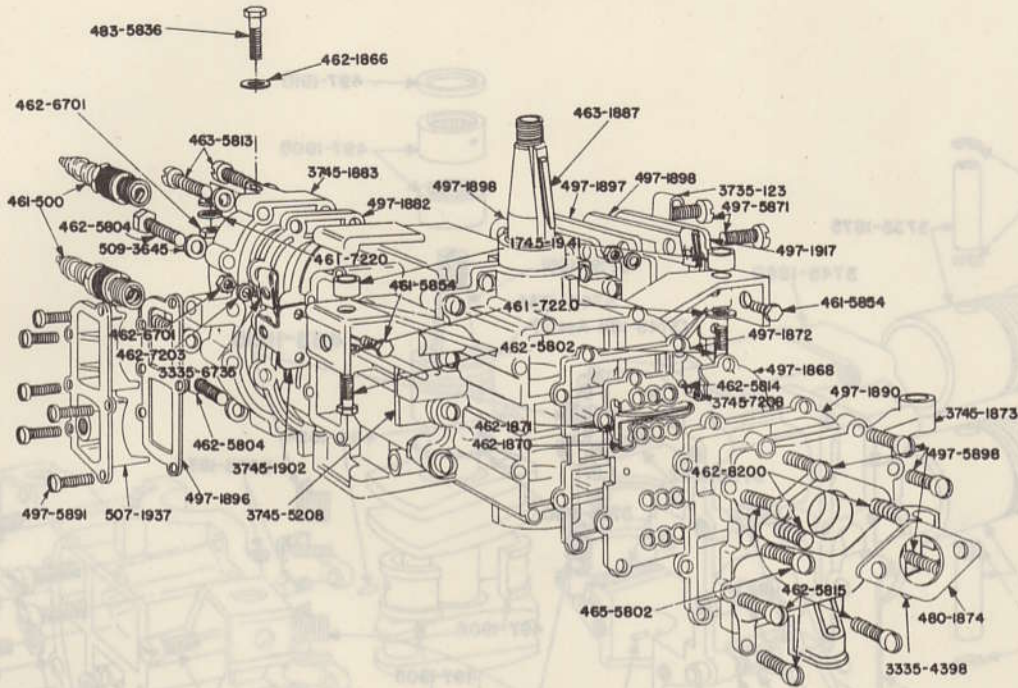


Part Number	Description
464-1624	Groove Pin—Bearing Retainer
3735-1851	Crankshaft
3735-1852	Connecting Rod Assembly
463-1855	Connecting Rod Crank Pin Roller (Set)
3735-1857	Connecting Rod Screw
3745-1860	Crankcase and Block Assembly
462-1865	Hollow—Dowel
462-1866	Washer—Dowel Screw
3735-1875	Piston Assembly
3735-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Pin—Lower Bearing
3135-1891	Piston Ring Pin
497-1905	Center Bearing—Front
497-1906	Center Bearing—Rear
497-1908	Needle Bearing—Magneto Mount
497-1910	Oil Seal—Magneto Mount

Part Number	Description
3745-1911	Magneto Mount Assembly (includes 3745-1934, 497-1908, 497-1910)
497-1913	Retainer—Lower Crankshaft Bearing
497-1914	Needle Bearing
497-1915	Oil Seal
497-1916	Lower Crankshaft Bearing Retainer Assembly (includes 497-1913, 497-1914, 497-1915)
3745-1930	Seal—Bearing Cage
3745-1934	Bearing Cage
3745-5208	Pump Bracket
497-5871	Screw—Crankcase Flange
497-5892	Screw—Center and Lower Main Bearing
507-5894	Screw
462-6701	Nut
462-7203	Lockwasher
518-7235	Washer



# POWERHEAD - 3745



Part Number	Description
3735-123	Lead Wire Clamp
461-500	Spark Plug
4917-1660	Spacer
462-1866	Washer
497-1868	Reed Valve Plate Assembly
462-1870	Reed Only
462-1871	Reed Stop
497-1872	Valve Reed Plate Gasket
3745-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
497-1882	Cylinder Head Gasket
3745-1883	Detachable Cylinder Head
1745-1886	Bracket
463-1887	Flywheel Key
497-1890	Intake Manifold Gasket
463-1893	Pivot Tube Seal Ring
507-1895	Intake Cover Plate
497-1896	Intake Cover Plate Gasket
497-1897	Exhaust Cover Plate
497-1898	Exhaust and Water Cover Plate Gasket
3745-1902	Bracket
3745-1904	Spacer

Part Number	Description
497-1917	Water Cover Plate
507-1937	Intake Cover Plate
1745-1941	Spacer
509-3645	Washer
3335-4398	Retainer
462-5802	Screw
465-5802	Screw
462-5804	Screw—Cylinder Head
463-5813	Screw—Cylinder Head
462-5814	Screw—Valve Reed Clamp
462-5815	Screw—Intake Manifold—Short
483-5836	Screw
461-5854	Screw
497-5871	Screw—Water Cover Plate
497-5891	Screw—Intake Cover Plate
497-5898	Screw—Intake Manifold—Long
462-6701	Nut
3335-6735	Speed Nut
462-7203	Lockwasher
3745-7208	L.W.—Valve Reed Clamp Screw
461-7220	L.W.
462-8200	Carburetor Flange Stud





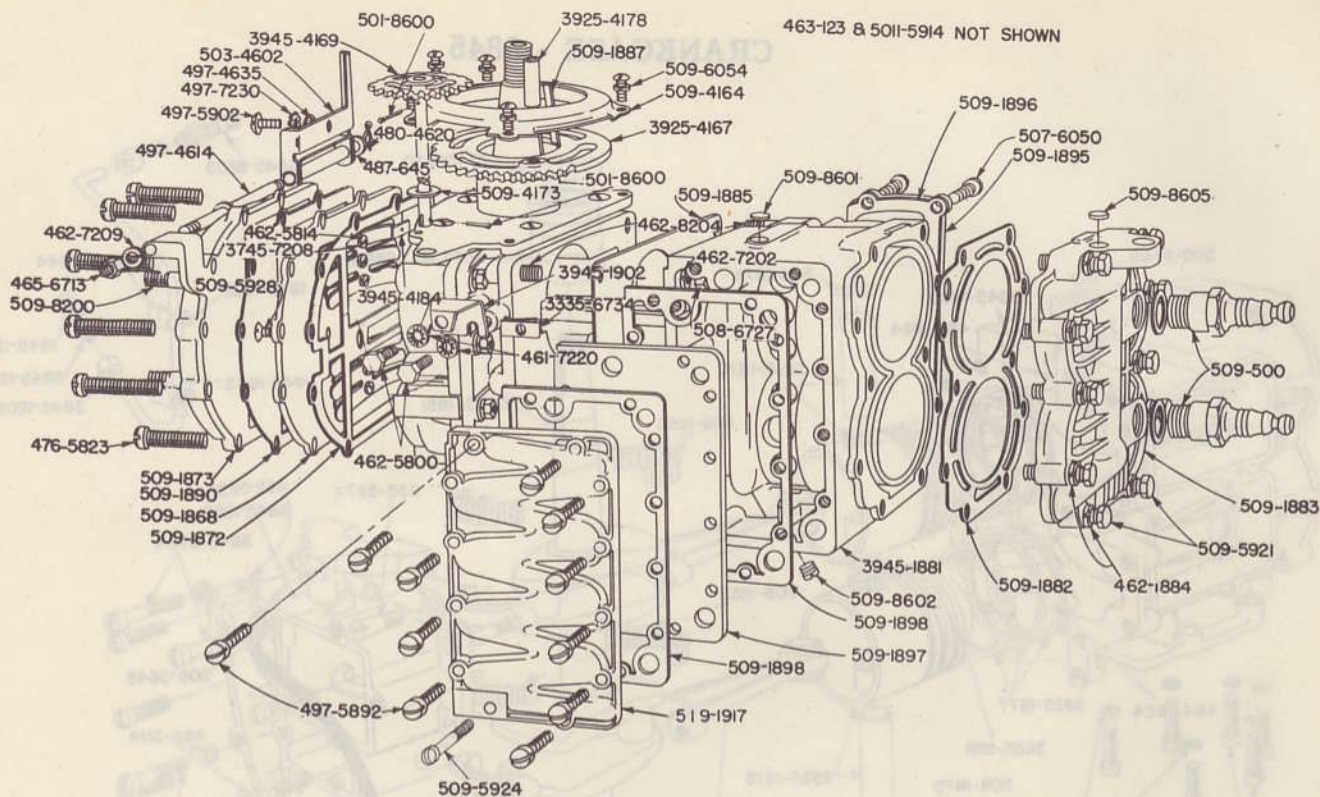






# POWERHEAD - 3945

463-123 & 501-5914 NOT SHOWN

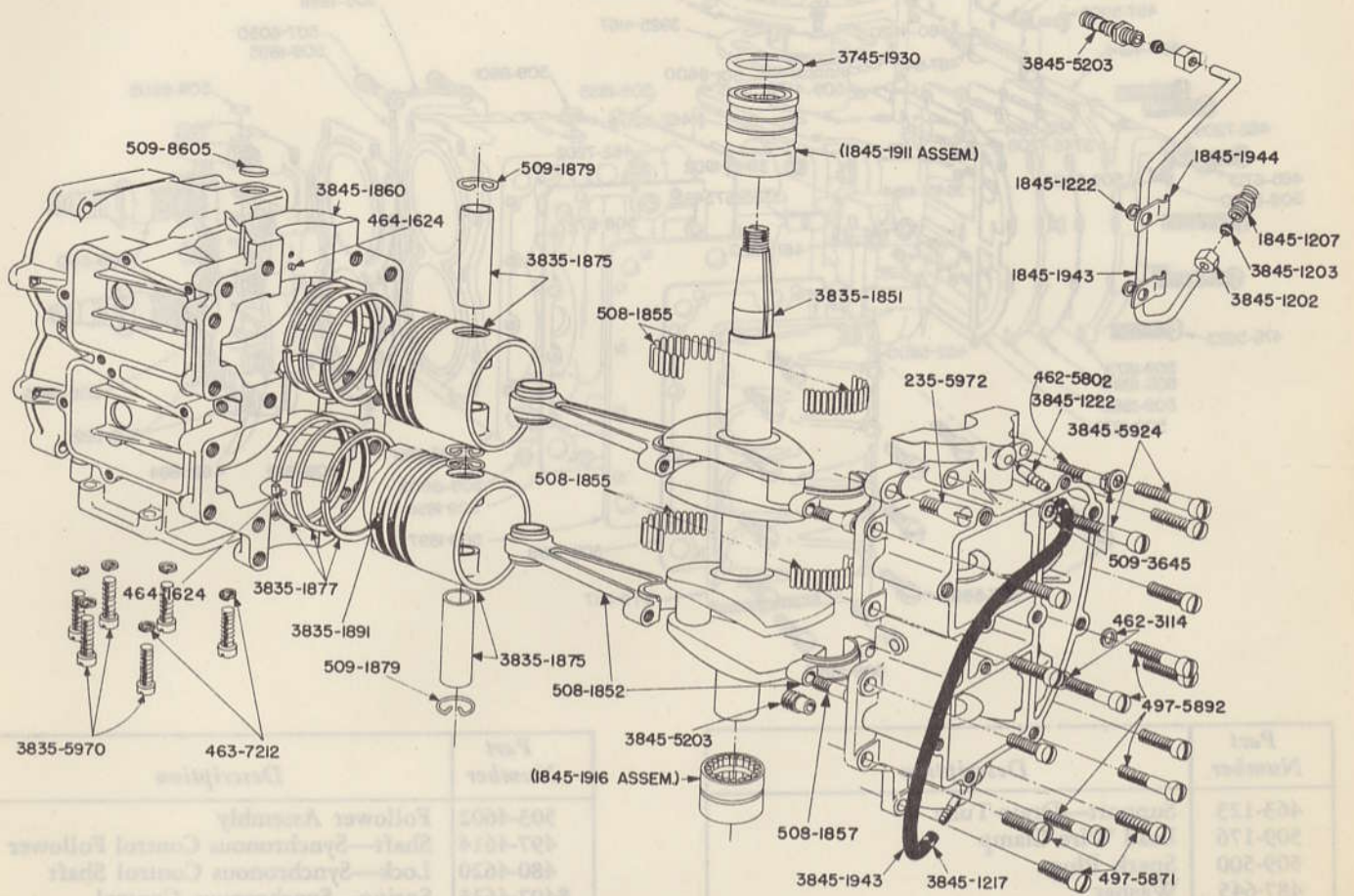


Part Number	Description
463-123	Support—Drain-Tube
509-176	Lead Wire Clamp
509-500	Spark Plug
487-645	Washer
509-1868	Reed Valve Plate Assembly
509-1870	Reeds Only
509-1871	Reed Valve Clamp
509-1872	Gasket—Reed Valve Plate
509-1873	Intake Manifold
3945-1881	Cylinder Block
509-1882	Gasket—Cylinder Head
509-1883	Cylinder Head
462-1884	Washer—Cylinder Head
509-1885	Cylinder Flange Gasket
509-1887	Flywheel Key
509-1890	Intake Manifold Gasket
509-1895	Intake Cover Plate Assembly
†509-1896	Gasket—Intake Cover Plate
509-1897	Exhaust Cover Plate
509-1898	Exhaust and Water Cover Plate Gasket
3945-1902	Skirt Bracket
509-1917	Water Cover Plate
509-4164	Mounting Ring—Stator Plate
3925-4167	Gear—Stator Plate
3945-4169	Magneto Pinion Pulley
509-4173	Washer
3925-4178	Spacer—Stator Plate Gear Screw
3945-4184	Key

Part Number	Description
503-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
*497-4635	Spring—Synchronous Control
462-5800	Screw—Bracket
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
497-5892	Screw—Water Cover Plate
*497-5902	Adjust. Screw—Synch. Control Follower
5011-5914	Screw—Drain Tube Support
509-5921	Screw—Cylinder Head
509-5924	Screw
509-5928	Screw—Reed Valve Plate
507-6050	Screw—Intake Cover Plate
509-6054	Screw—Mounting Ring
465-6713	Nut—Synchronous Control Shaft
508-6727	Nut—Cylinder Block Studs
3335-6734	Speed Nut
462-7202	Lockwasher—5/16" Common
3745-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher—Synchronous Control Shaft
461-7220	Lockwasher—Bracket Screw
*497-7230	Lockwasher—Synch. Control Follower
509-8200	Stud—Carburetor Flange
462-8204	Stud—Crankcase to Block
501-8600	Cotter Pin
509-8601	Welch Plug—Cylinder Block
509-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
	†Included in 509-1895 Assembly
	*Included in 503-4602 Assembly



# CRANKCASE - 3845



Part Number	Description
*3845-1202	Nut
*3845-1203	Sleeve
*1845-1207	Special Fitting
3845-1217	Clamp
*1845-1222	Washer
3845-1222	Fitting
464-1624	Groove Pin
3835-1851	Crankshaft
508-1852	Connecting Rod Assembly (Inc. 508-1855,508-1857)
508-1855	Connecting Rod Crank Pin Rollers (28 per set)
508-1857	Connecting Rod Screw
3845-1860	Crankcase Assembly
3835-1875	Piston Assembly
3835-1877	Piston Ring
509-1879	Piston Pin Lock
3835-1891	Pin—Piston Ring Pin

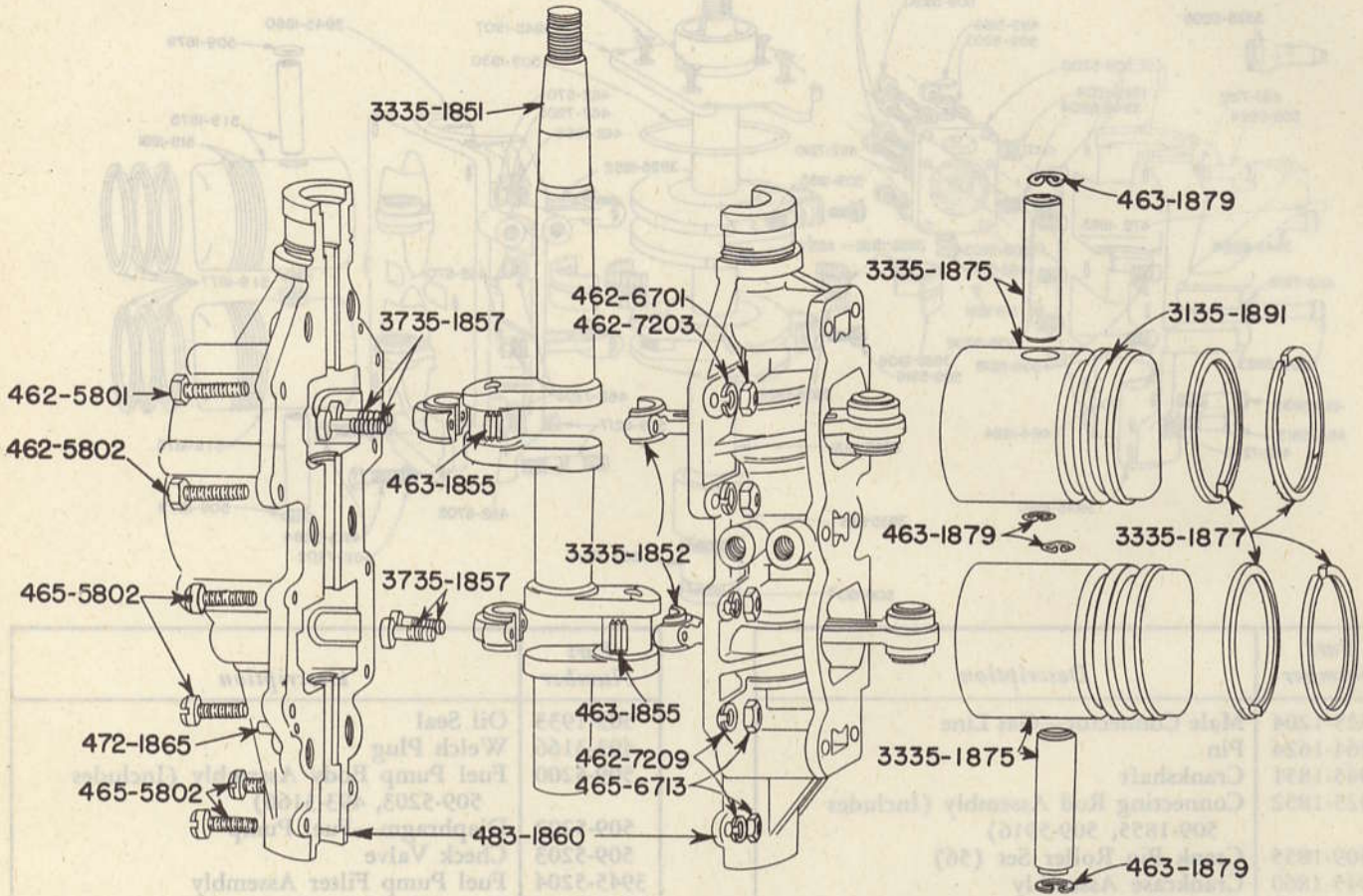
Part Number	Description
1845-1911	Magneto Bearing Assembly
1845-1916	Lower Crankcase Bearing Assembly
3745-1930	"O" Ring
*1845-1943	Lub. Line
3845-1943	Lub. Line
*1845-1944	Bracket
462-3114	Washer
509-3645	Washer
3845-5203	Check Valve
462-5802	Screw
497-5871	Screw
497-5892	Screw
3845-5924	Screw
3835-5970	Screw
235-5972	Dowel Screw
463-7212	Lockwasher
509-8605	Welch Plug

\*These parts used on all 10 H.P. motors prior to those using the rubber lubrication line.



(POWERHEAD — 3055 P-53)  
 (CRANKCASE — 3055 P-54)

### CRANKCASE — 3355

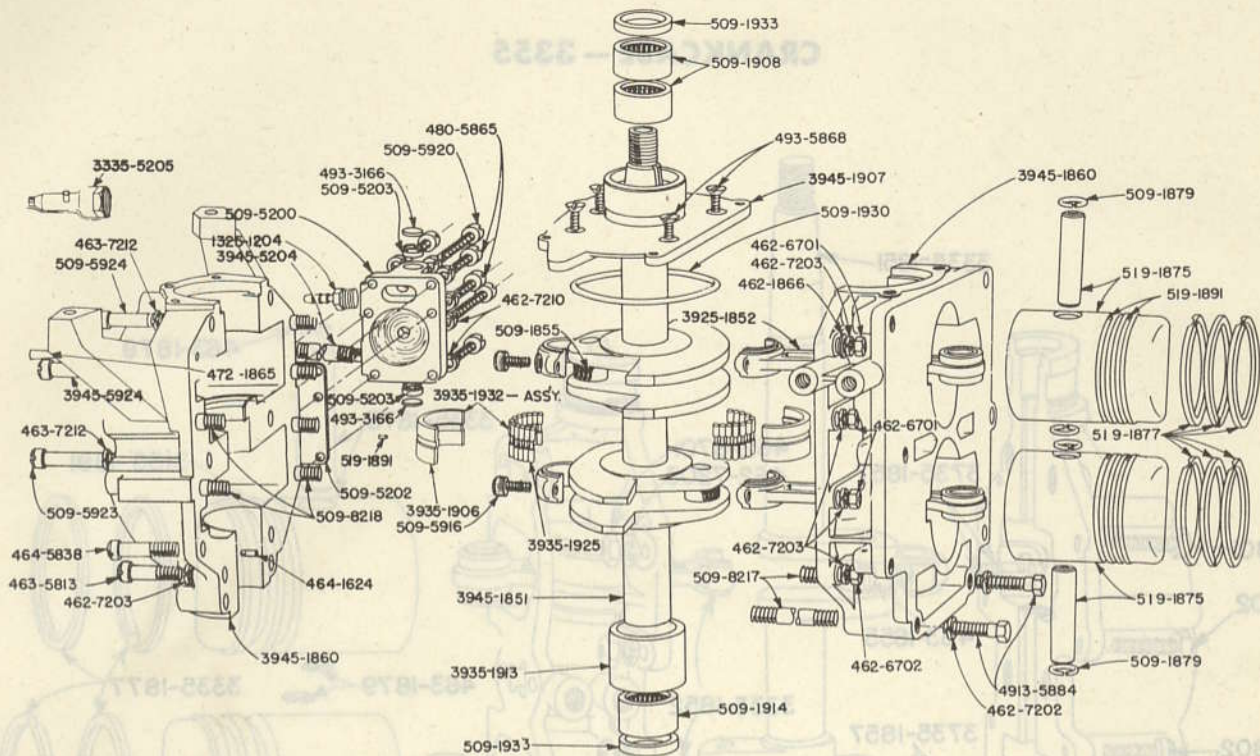


Part Number	Description
3335-1851	Crankshaft
3335-1852	Connecting Rod Assembly (Includes 463-1855 and 3735-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24)
3735-1857	Connecting Rod Screw
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
472-1865	Crankcase Dowel *Sold in sets only, to maintain uniformity

Part Number	Description
3335-1875	Piston and Pin
3335-1877	Piston Ring
463-1879	Piston Pin Lock
3135-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
462-5802	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange Screw Nut
462-7209	Lock Washer—Crankcase Flange Screw Nut



## CRANKCASE — 3945



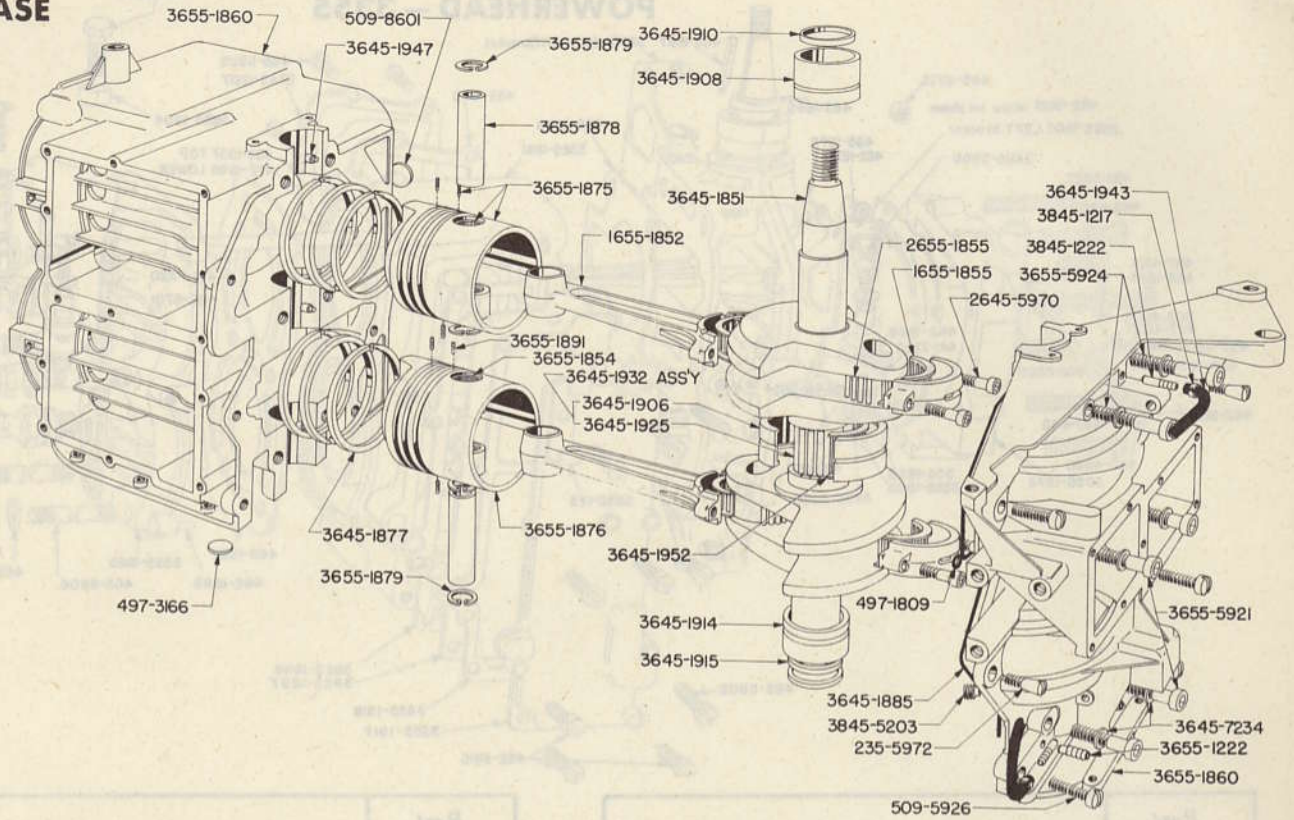
Part Number	Description
1325-1204	Male Connector—Gas Line
464-1624	Pin
3945-1851	Crankshaft
3925-1852	Connecting Rod Assembly (Includes 509-1855, 509-5916)
*509-1855	Crank Pin Roller Set (56)
3945-1860	Crankcase Assembly
472-1865	Taper Pin
519-1875	Piston Assembly
519-1877	Piston Ring
509-1879	Piston Pin Lock
519-1891	Pin
3935-1906	Race
3945-1907	Magneto Mount Plate
509-1908	Needle Bearing—Magneto Mount
3945-1911	Magneto Mount Assy. (Includes 3945-1907, 509-1908, 509-1933)
3935-1913	Retainer—Lower Crankshaft Bearing
509-1914	Needle Bearing
3935-1916	Lower Crankshaft Bear. Assy. (Includes 3935-1913, 509-1914, 509-1933)
3935-1925	Center Crankshaft Roller Bear. Set (23)
509-1930	"O" Ring Magneto Mount
3935-1932	Center Bearing Assembly (3935-1906 and 3935-1925)

Part Number	Description
509-1933	Oil Seal
493-3166	Welch Plug
509-5200	Fuel Pump Body Assembly (Includes 509-5203, 493-3166)
509-5202	Diaphragm—Fuel Pump
509-5203	Check Valve
3945-5204	Fuel Pump Filter Assembly
3335-5205	Plug—Fuel Coupling
463-5813	Screw—Lower Main Bearing
464-5838	Screw—Crankcase Flange
480-5865	Screw—Fuel Pump—Short
493-5868	Screw—Mag. Mount Bearing Cage
4913-5884	Screw—Crankcase to Block
509-5916	Screw—Connecting Rod Cap
509-5920	Screw—Fuel Pump—Long
509-5923	Screw—Crankcase Center Front
509-5924	Screw—Top Crankcase
3945-5924	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw and Stud
462-6702	Nut—Lower Crankcase Stud
462-7202	Lockwasher—Crankcase to Block
462-7203	Lockwasher
462-7210	Lockwasher—Fuel Pump Screw
463-7212	Lockwasher
509-8217	Stud—Lower Crankcase
509-8218	Stud—Crankcase Front

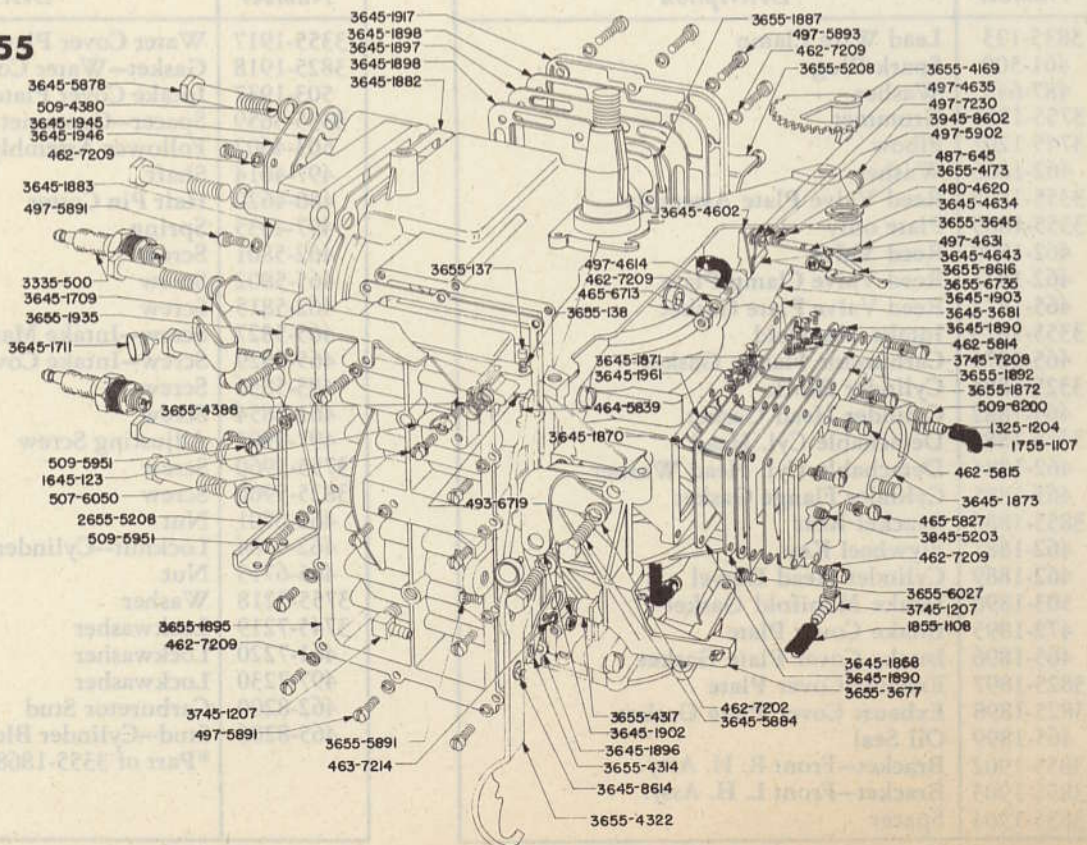
\*Sold in Sets Only, to Maintain Uniformity



# CRANKCASE 3655

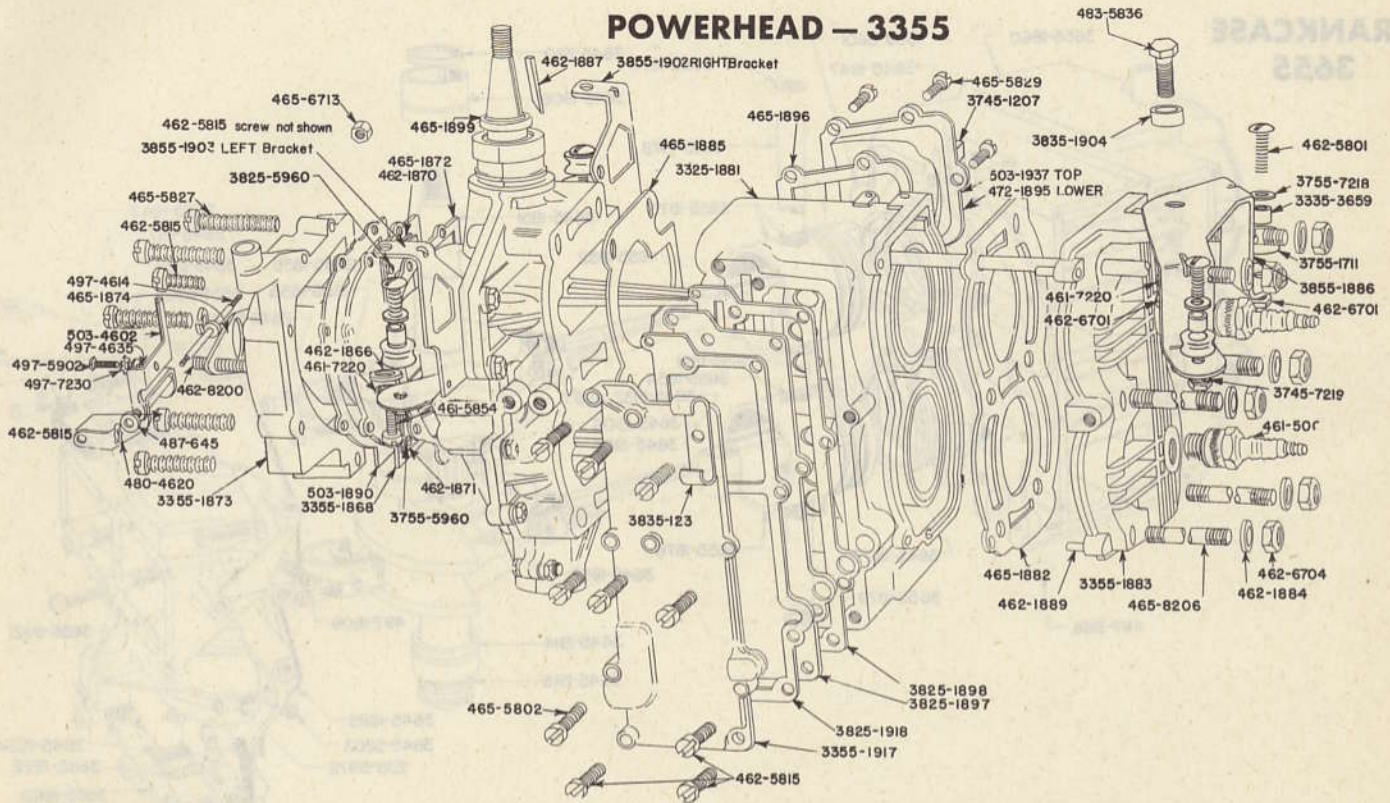


# POWERHEAD - 3655





## POWERHEAD — 3355

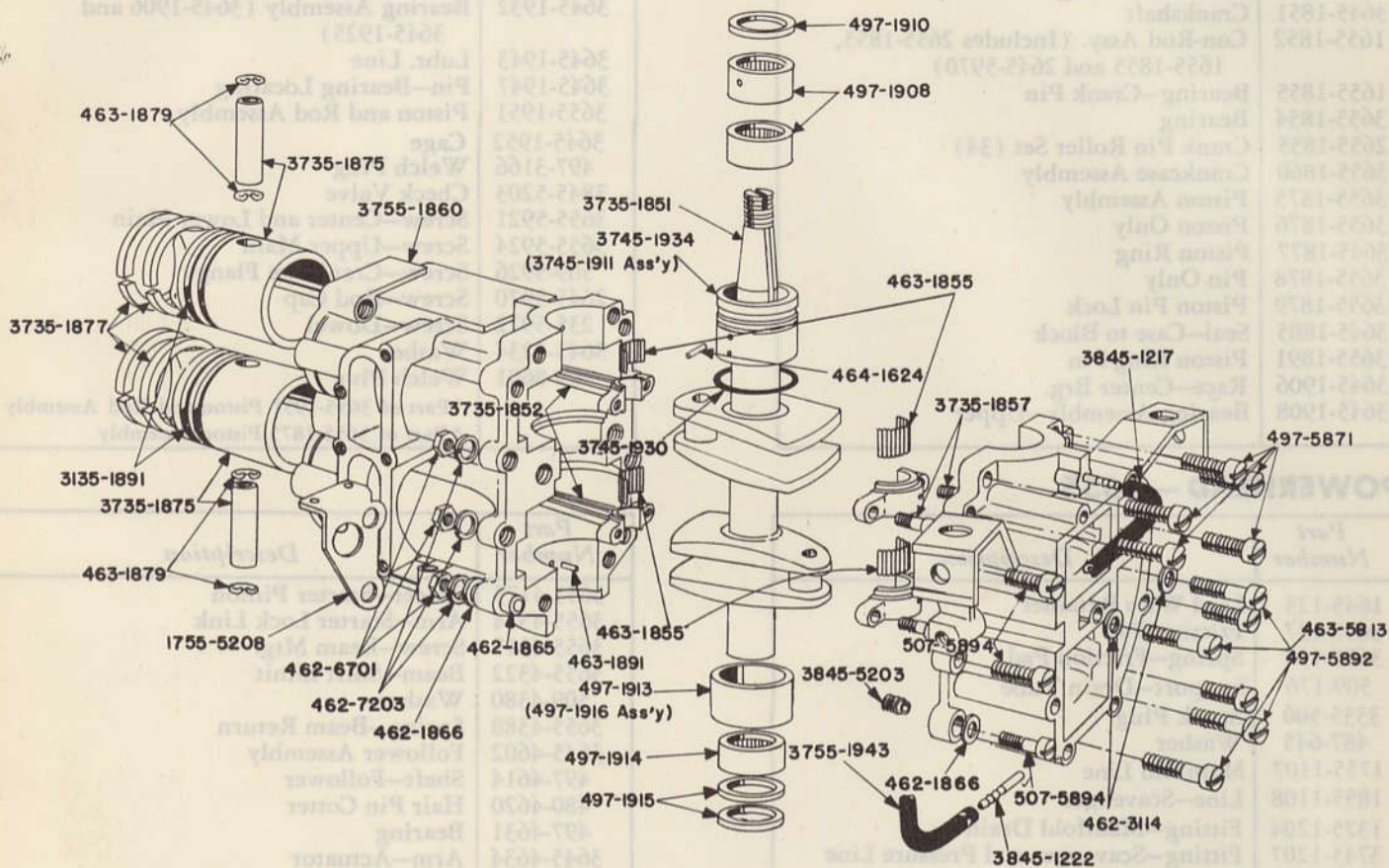


Part Number	Description
3835-123	Lead Wire Clamp
461-500	Spark Plug
487-645	Washer
3755-1711	Grommet
3745-1207	Elbow
462-1866	Washer
3355-1868	Reed Valve Plate Assembly
*3355-1869	Plate only
462-1870	Reed Valve
462-1871	Reed Valve Clamp Plate
465-1872	Reed Valve Plate Gasket
3355-1873	Intake Manifold
465-1874	Carburetor Flange Gasket
3325-1881	Cylinder Block
465-1882	Cylinder Head Gasket
3355-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
3855-1886	Bracket Rear
462-1887	Flywheel Key
462-1889	Cylinder Head Dowel
503-1890	Intake Manifold Gasket
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
3825-1897	Exhaust Cover Plate
3825-1898	Exhaust Cover Plate Gasket
465-1899	Oil Seal
3855-1902	Bracket—Front R. H. Assy.
3855-1903	Bracket—Front L. H. Assy.
3835-1904	Spacer

Part Number	Description
3355-1917	Water Cover Plate
3825-1918	Gasket—Water Cover Plate
503-1937	Intake Cover Plate (Tapped)
3335-3659	Spacer—Grommet
503-4602	Follower Assembly
497-4614	Shaft
480-4620	Hair Pin Cotter
497-4635	Spring
462-5801	Screw
465-5802	Screw
462-5815	Screw
465-5827	Screw—Intake Manifold
465-5829	Screw—Intake Cover Plate
483-5836	Screw
461-5854	Screw
497-5902	Adjusting Screw
3755-5960	Screw
3825-5960	Screw
462-6701	Nut
462-6704	Locknut—Cylinder Head
465-6713	Nut
3755-7218	Washer
3745-7219	Lockwasher
461-7220	Lockwasher
497-7230	Lockwasher
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
*Part of 3355-1868 Assembly	



### CRANKCASE - 3755



Part Number	Description
3845-1217	Clamp
3845-1222	Fitting - Lubrication Line
464-1624	Groove Pin - Bearing Retainer
3735-1851	Crankshaft
3735-1852	Connecting Rod Assembly
463-1855	Connecting Rod Crank Pin Roller (Set)
3735-1857	Connecting Rod Screw
3755-1860	Crankcase and Block Assembly
462-1865	Hollow - Dowel
462-1866	Washer - Dowel Screw
3735-1875	Piston Assembly
3735-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Pin - Lower Bearing
3135-1891	Piston Ring Pin
497-1908	Needle Bearing - Magneto Mount
497-1910	Oil Seal - Magneto Mount

Part Number	Description
3745-1911	Magneto Mount Assembly (includes 3745-1934, 497-1908, 497-1910)
497-1913	Retainer - Lower Crankshaft Bearing
497-1914	Needle Bearing
497-1915	Oil Seal
497-1916	Lower Crankshaft Bearing Retainer Assembly (includes 497-1913, 497-1914, 497-1915)
3745-1930	Seal
3745-1934	Bearing Cage
3755-1943	Lubrication Line
462-3114	Washer
3845-5203	Check Valve
1755-5208	Pump Bracket
463-5813	Screw - Center Main
497-5871	Screw - Crankcase Flange
497-5892	Screw - Lower Main
507-5894	Screw
462-6701	Nut
462-7203	L.W.



## CRANKCASE — 3655

Part Number	Description
3845-1217	Clamp—Lubr. Line
3845-1222	Fitting—Lubr. Line
3655-1622	Fitting
497-1809	Seal—Drain Plug
3645-1851	Crankshaft
*1655-1852	Con-Rod Assy. (Includes 2655-1855, 1655-1855 and 2645-5970)
1655-1855	Bearing—Crank Pin
*3655-1854	Bearing
2655-1855	Crank Pin Roller Set (34)
3655-1860	Crankcase Assembly
*3655-1875	Piston Assembly
*3655-1876	Piston Only
3645-1877	Piston Ring
*3655-1878	Pin Only
*3655-1879	Piston Pin Lock
3645-1885	Seal—Case to Block
*3655-1891	Piston Ring Pin
3645-1906	Race—Center Brg.
3645-1908	Bearing Assembly—Upper

Part Number	Description
3645-1910	Oil Seal—Upper
3645-1914	Bearing Assembly—Lower
3645-1915	Oil Seal—Lower
3645-1925	Center Brg. Roller Set (16)
3645-1932	Bearing Assembly (3645-1906 and 3645-1925)
3645-1943	Lubr. Line
3645-1947	Pin—Bearing Locating
3655-1951	Piston and Rod Assembly
3645-1952	Cage
497-3166	Welch Plug
3845-5203	Check Valve
3655-5921	Screw—Center and Lower Main
3655-5924	Screw—Upper Main
509-5926	Screw—Crankcase Flange
2645-5970	Screw—Rod Cap
235-5972	Screw—Dowel
3645-7234	Washer
509-8601	Welch Plug
	*Part of 3655-1951 Piston and Rod Assembly
	*Part of 3655-1875 Piston Assembly

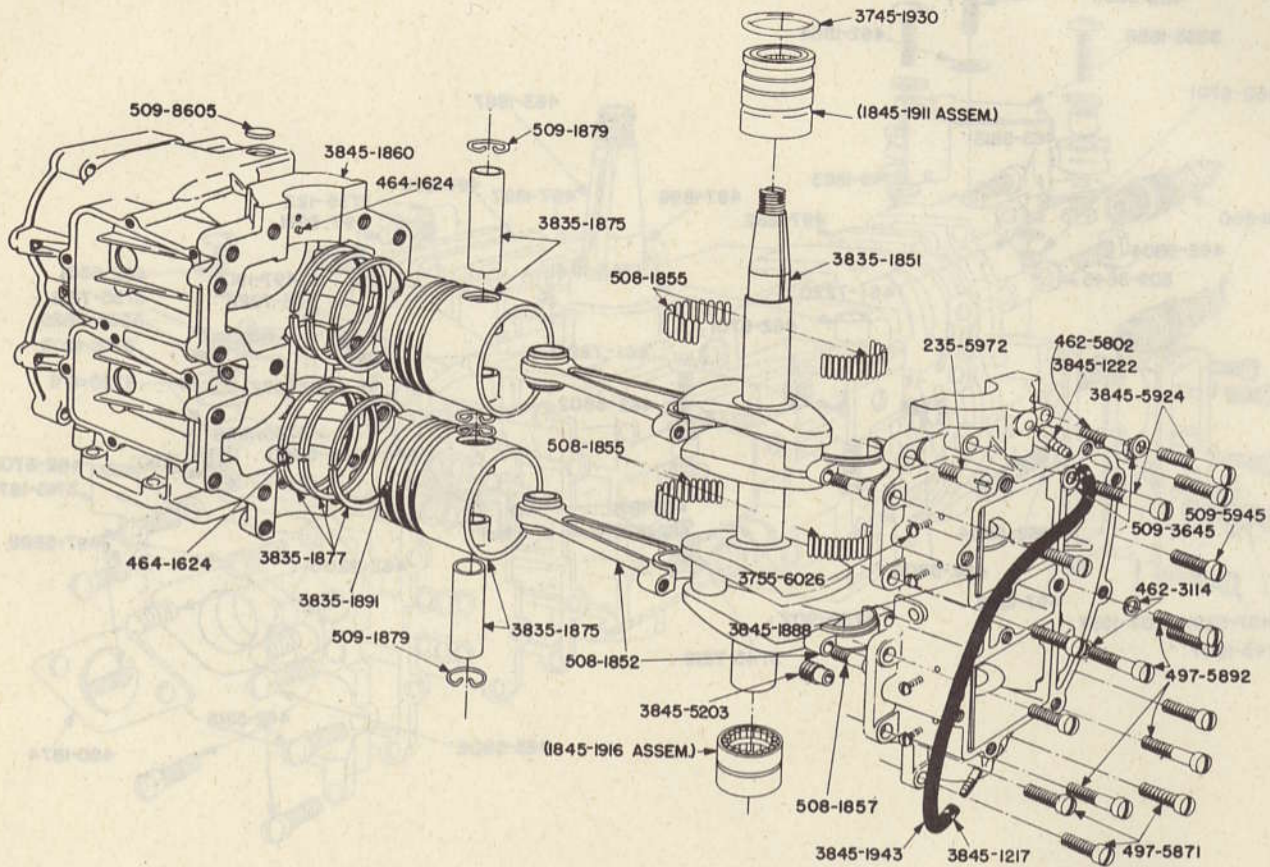
## POWERHEAD — 3655

Part Number	Description
1645-123	Lead Wire Retainer
3655-137	Friction Pad
3655-138	Spring—Friction Pad
509-176	Support—Drain Tube
3335-500	Spark Plug
487-645	Washer
1755-1107	Manifold Line
1855-1108	Line—Scavenger
1325-1204	Fitting—Manifold Drain
3745-1207	Fitting—Scavenger and Pressure Line
3645-1709	Bracket—Skirt R.
3645-1711	Bumper
3645-1868	Reed Plate Assembly
*3645-1869	Plate Only
*3645-1870	Reed Valve
*3645-1871	Clamp Plate—R.
3655-1872	Gasket—Baffle Plate
3645-1873	Intake Manifold
3645-1882	Gasket—Cylinder Head
3645-1883	Cylinder Head
3645-1886	Bracket—Rear
3655-1887	Key—Flywheel
3645-1890	Gasket—Intake Man. and Reed Plate
3655-1892	Plate—Baffle
3655-1895	Cover Plate—Intake
3645-1896	Gasket—Intake Cover Plate
3645-1897	Cover Plate—Exhaust
3645-1898	Gasket—Exhaust Cover Plate
3645-1902	Bracket—Skirt R.
3645-1903	Bracket—Skirt L.
3645-1917	Water Plate—Exhaust
3655-1935	Guide—Lead Wire
3645-1945	Gasket—Cylinder Head Water
3645-1946	Cover Plate—Cylinder Head Water
*3645-1961	Clamp Plate—Left
3655-3645	Washer
3655-3677	Bracket—Spring R.
3645-3681	Bracket—Spring L.
3655-4169	Starter Pinion Assembly

Part Number	Description
3655-4173	Spacer—Starter Pinion
3655-4314	Arm—Starter Lock Link
3655-4317	Screw—Beam Mtg.
3655-4322	Beam—Shift Limit
509-4380	Washer
3655-4388	Spring—Beam Return
3645-4602	Follower Assembly
497-4614	Shaft—Follower
480-4620	Hair Pin Cotter
497-4631	Bearing
3645-4634	Arm—Actuator
497-4635	Spring—Sync. Control
3645-4643	Link—Throttle Act.
3845-5203	Check Valve
2655-5208	Bracket—Fuel Pump
3655-5208	Bracket—Scavenger Pump
*462-5814	Screw—Reed Valve
462-5815	Screw
465-5827	Screw
464-5839	Screw
3645-5878	Bolt—Cylinder Head
3645-5884	Screw—Brackets
497-5891	Screw
3655-5891	Screw
497-5893	Screw
497-5902	Screw—Follower Adj.
509-5951	Screw
3655-6027	Screw
507-6050	Screw
493-6719	Nut
3655-6735	Speed Nut
462-7202	Lockwasher
*3745-7208	Lockwasher
462-7209	Lockwasher
463-7214	Lockwasher
497-7230	Lockwasher
509-8200	Stud—Carb. Flange
3945-8602	Pipe Plug
3645-8614	Retaining Ring
3655-8616	Retaining Ring
	*Part of 3645-1868 Assembly



## CRANKCASE — 3855

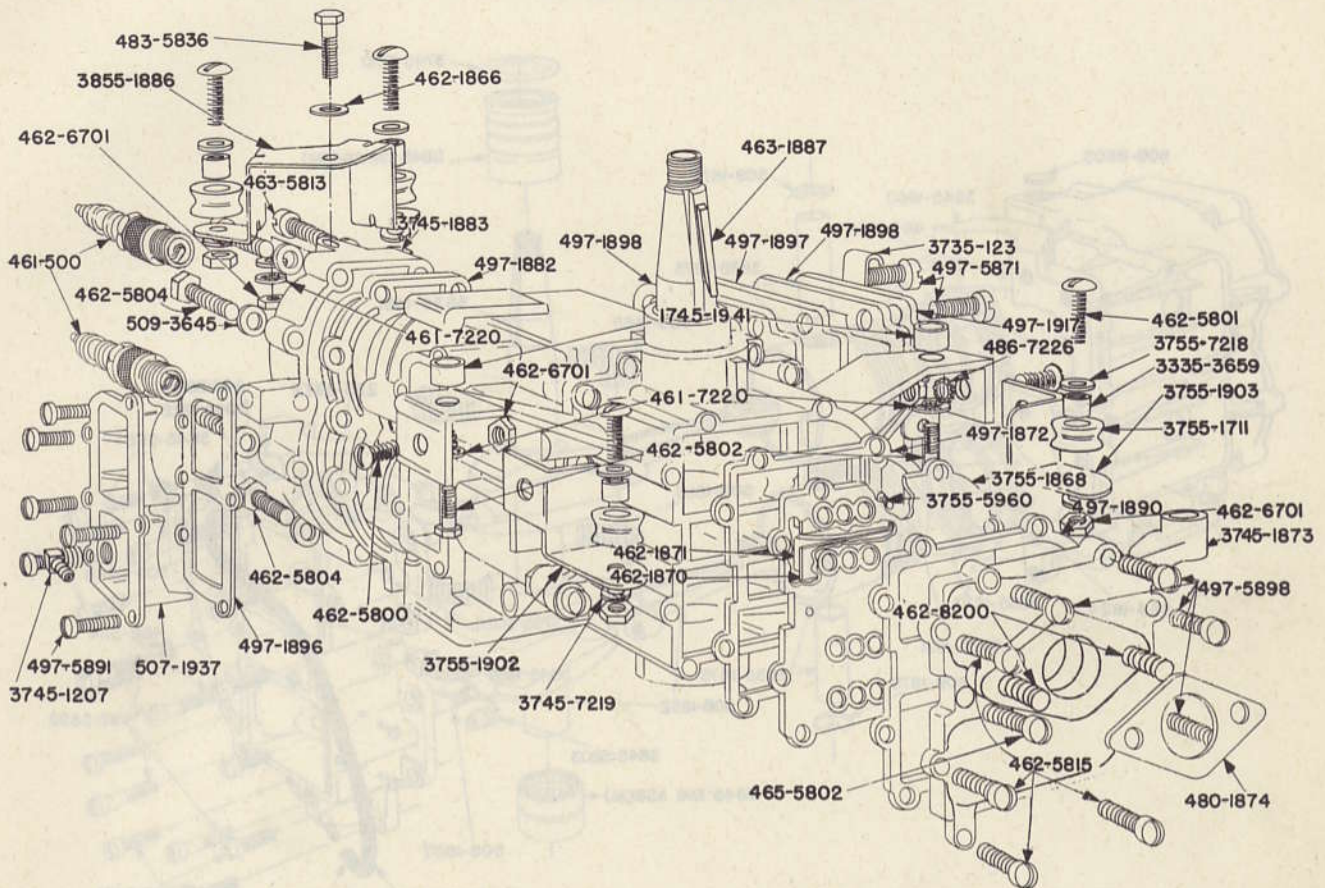


Part Number	Description
3845-1217	Clamp
3845-1222	Fitting
464-1624	Groove Pin
3835-1851	Crankshaft
508-1852	Connecting Rod Assembly (Inc. 508-1855, 508-1857)
508-1855	Connecting Rod Crank Pin Rollers (28 per set)
508-1857	Connecting Rod Screw
3845-1860	Crankcase Assembly
3835-1875	Piston Assembly
3835-1877	Piston Ring
509-1879	Piston Pin Lock
3845-1888	Baffle
3835-1891	Pin—Piston Ring
497-1910	Oil Seal (Part of 1845-1911)

Part Number	Description
1845-1911	Magneto Bearing Assembly
1845-1916	Lower Crankcase Bearing Assembly
3745-1930	"O" Ring
3845-1943	Lub. Line
462-3114	Washer
509-3645	Washer
3845-5203	Check Valve
462-5802	Screw—Flange
497-5871	Screw—Flange and Bracket
497-5892	Screw—Lower and Center Mains
3845-5924	Screw—Top Main
509-5945	Screw
235-5972	Dowel Screw
3755-6026	Screw
509-8605	Welch Plug



## POWERHEAD — 3755

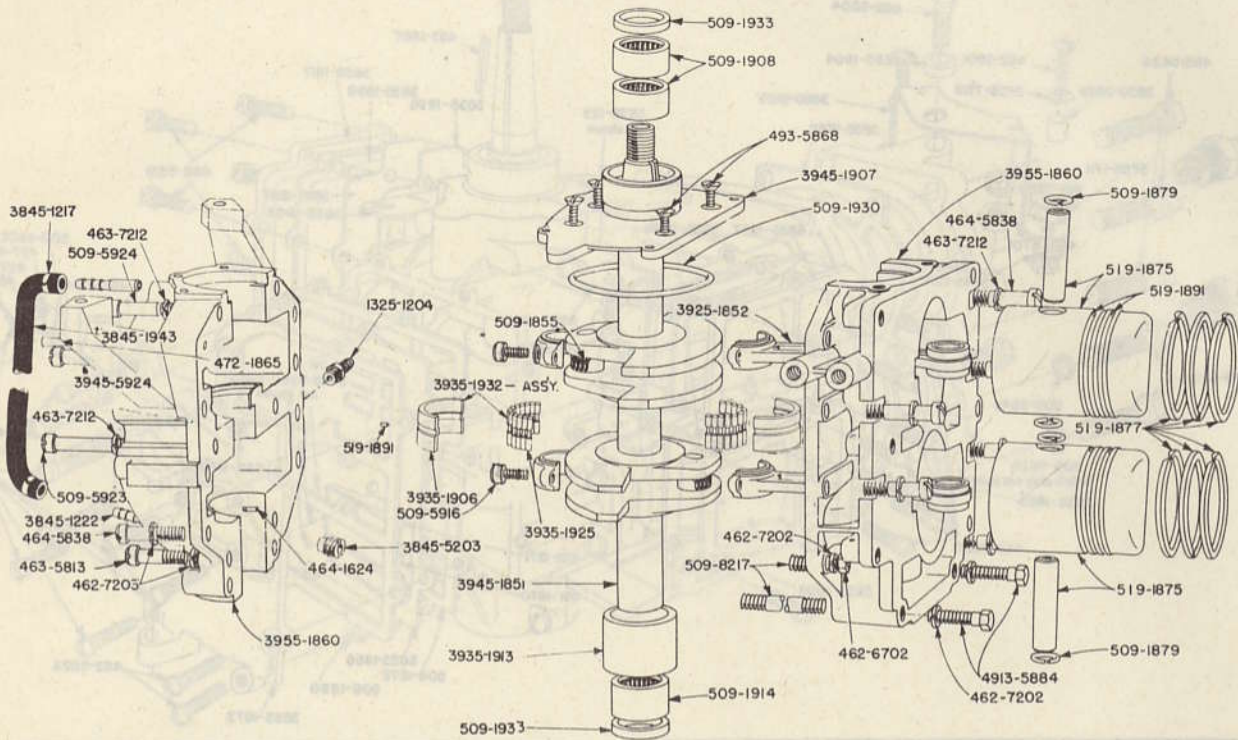


Part Number	Description
3735-123	Lead Wire Clamp
461-500	Spark Plug
3745-1207	Fitting
3755-1711	Grommet
462-1866	Washer
3755-1868	Reed Valve Plate Assembly
462-1870	Reed Only
462-1871	Reed Stop
497-1872	Valve Reed Plate Gasket
3745-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
497-1882	Cylinder Head Gasket
3745-1883	Detachable Cylinder Head
3855-1886	Bracket—Rear
463-1887	Flywheel Key
497-1890	Intake Manifold Gasket
497-1896	Intake Cover Plate Gasket
497-1897	Exhaust Cover Plate
497-1898	Exhaust and Water Cover Plate Gasket
3755-1902	Bracket—Right Front
3755-1903	Bracket—Left Front

Part Number	Description
497-1917	Water Cover Plate
507-1937	Intake Cover Plate
1745-1941	Spacer
509-3645	Washer
3335-3659	Spacer
462-5802	Screw
465-5802	Screw
462-5804	Screw—Cylinder Head
462-5800	Screw
462-5801	Screw
463-5813	Screw—Cylinder Head
462-5815	Screw—Intake Manifold—Short
483-5836	Screw
497-5871	Screw—Water Cover Plate
497-5891	Screw—Intake Cover Plate
497-5898	Screw—Intake Manifold—Long
3755-5960	Screw—Reed Valve
462-6701	Nut
3755-7218	Washer
3745-7219	Lockwasher
461-7220	L.W.
486-7226	L.W.
462-8200	Carburetor Flange Stud



## CRANKCASE — 3955



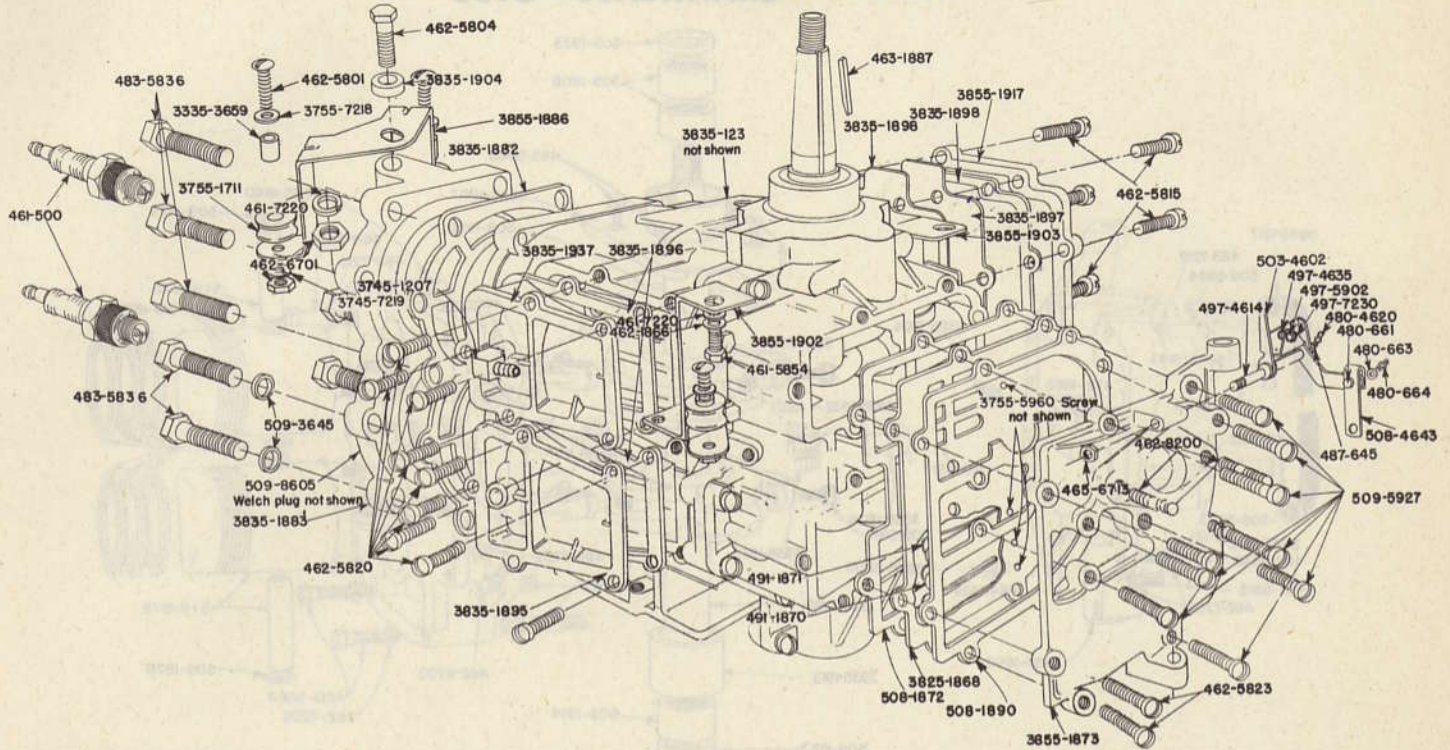
Part Number	Description
1325-1204	Fitting — Pump Pressure Line
3845-1217	Ferrule
3845-1222	Fitting
464-1624	Pin
3945-1851	Crankshaft
3925-1852	Connecting Rod Assembly (Includes 509-1855, 509-5916)
*509-1855	Crank Pin Roller Set (56)
3955-1860	Crankcase Assembly
472-1865	Taper Pin
519-1875	Piston Assembly
519-1877	Piston Ring
509-1879	Piston Pin Lock
519-1891	Pin
3935-1906	Race
3945-1907	Magneto Mount Plate
509-1908	Needle Bearing — Magneto Mount
3945-1911	Magneto Mount Assy. (Includes 3945-1907, 509-1908, 509-1933)
3935-1913	Retainer — Lower Crankshaft Bearing
509-1914	Needle Bearing
3935-1916	Lower Crankshaft Bear. Assy. (Includes 3935-1913, 509-1914, 509-1933)
3935-1925	Center Crankshaft Roller Bear. Set (23)

Part Number	Description
509-1930	"O" Ring Magneto Mount
3935-1932	Center Bearing Assembly (3935-1906 and 3935-1925)
509-1933	Oil Seal
3845-1943	Lubrication Line
3845-5203	Check Valve
463-5813	Screw — Lower Main Bearing
464-5838	Screw — Crankcase Flange
493-5868	Screw — Mag. Mount Bearing Cage
4913-5884	Screw — Crankcase to Block
509-5916	Screw — Connecting Rod Cap
509-5923	Screw — Crankcase Center Front
509-5924	Screw — Top Crankcase
3945-5924	Screw — Crankcase Flange
462-6702	Nut — Lower Crankcase Stud
462-7202	Lockwasher — Crankcase to Block
462-7203	Lockwasher
463-7212	Lockwasher
509-8217	Stud Lower Crankcase

\*Sold in Sets Only, to Maintain Uniformity



## POWERHEAD — 3855



Part Number	Description
3835-123	Lead Wire Clamp
461-500	Spark Plug
487-645	Washer—Synch. Control Shaft Lever
480-661	Pivot Pin
480-663	Washer—Throttle Lever Pivot Pin
480-664	Hairpin Cotter
3745-1207	Elbow
3755-1711	Grommet
462-1866	Washer
3825-1868	Reed Valve Plate Assembly
*3825-1869	Plate only
*491-1870	Valve Reed
*491-1871	Valve Reed Stop
508-1872	Valve Reed Plate Gasket
3855-1873	Intake Manifold
3835-1882	Cylinder Head Gasket
3835-1883	Cylinder Head
3835-1886	Bracket—Rear
463-1887	Flywheel Key
508-1890	Intake Manifold Gasket
3835-1895	Intake Cover Plate—Lower
3835-1896	Intake Cover Plate Gasket
3835-1897	Exhaust Cover Plate
3835-1898	Exhaust and Water Cover Plate Gasket
3855-1902	Bracket—R.H. Assy
3855-1903	Bracket—L.H. Assy.
3835-1904	Spacer
3855-1917	Water Cover Plate

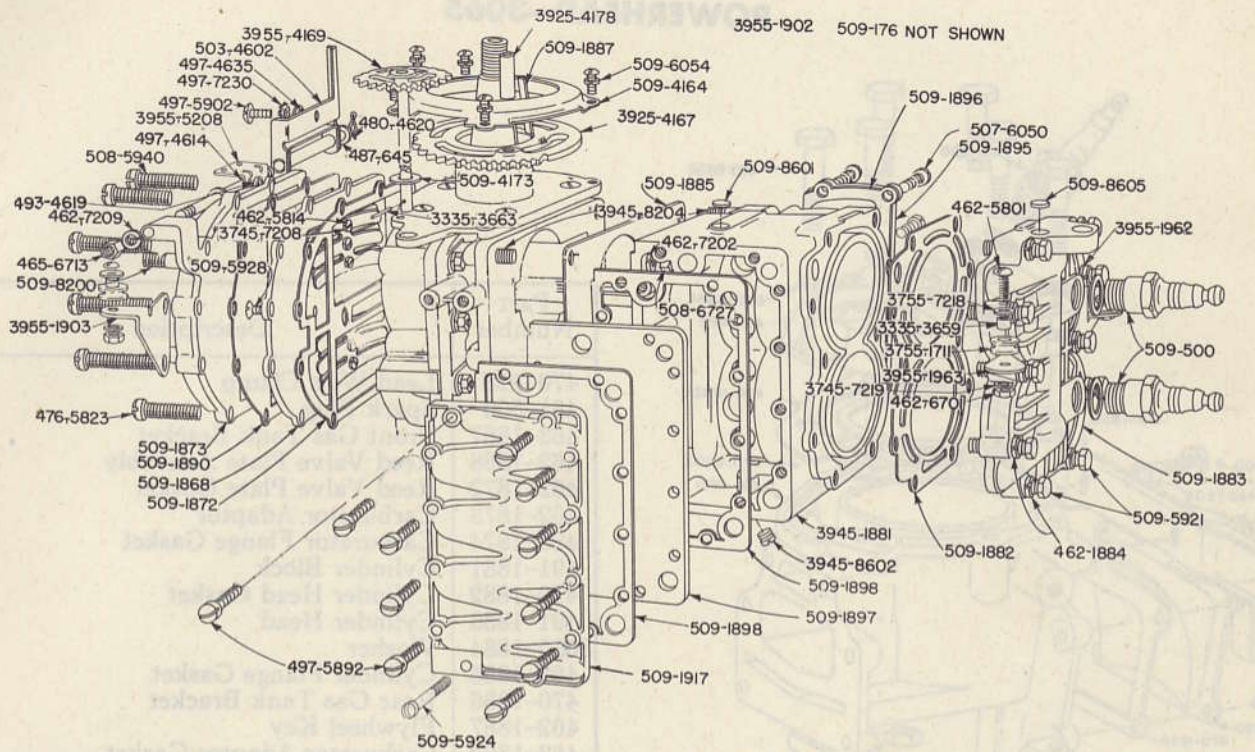
Part Number	Description
3835-1937	Intake Cover Plate—Upper
509-3645	Washer
3335-3659	Spacer
503-4602	Synchronous Control Follower Assy.
497-4614	Shaft—Synchronous Control Follower
480-4620	Lock—Synchronous Control Shaft
497-4635	Synchronous Control Spring
508-4643	Link—Throttle Actuator
462-5801	Screw
462-5804	Screw
462-5815	Screw—Exhaust Cover Plate
462-5820	Screw
462-5823	Screw—Intake Manifold—Short
483-5836	Screw
461-5854	Screw
497-5902	Adjusting Screw—Synch. Control Follower
509-5927	Screw—Intake Manifold—Long
*3755-5960	Screw—Valve Reed Clamp
462-6701	Nut
465-6713	Nut—Synchronous Control Follower
3755-7218	Washer
3745-7219	Lockwasher
461-7220	Lockwasher
497-7230	Lockwasher—Synch. Control Follower
462-8200	Carburetor Stud
509-8605	Welch Plug
	*Part of 3825-1868 Assembly







## POWERHEAD — 3955

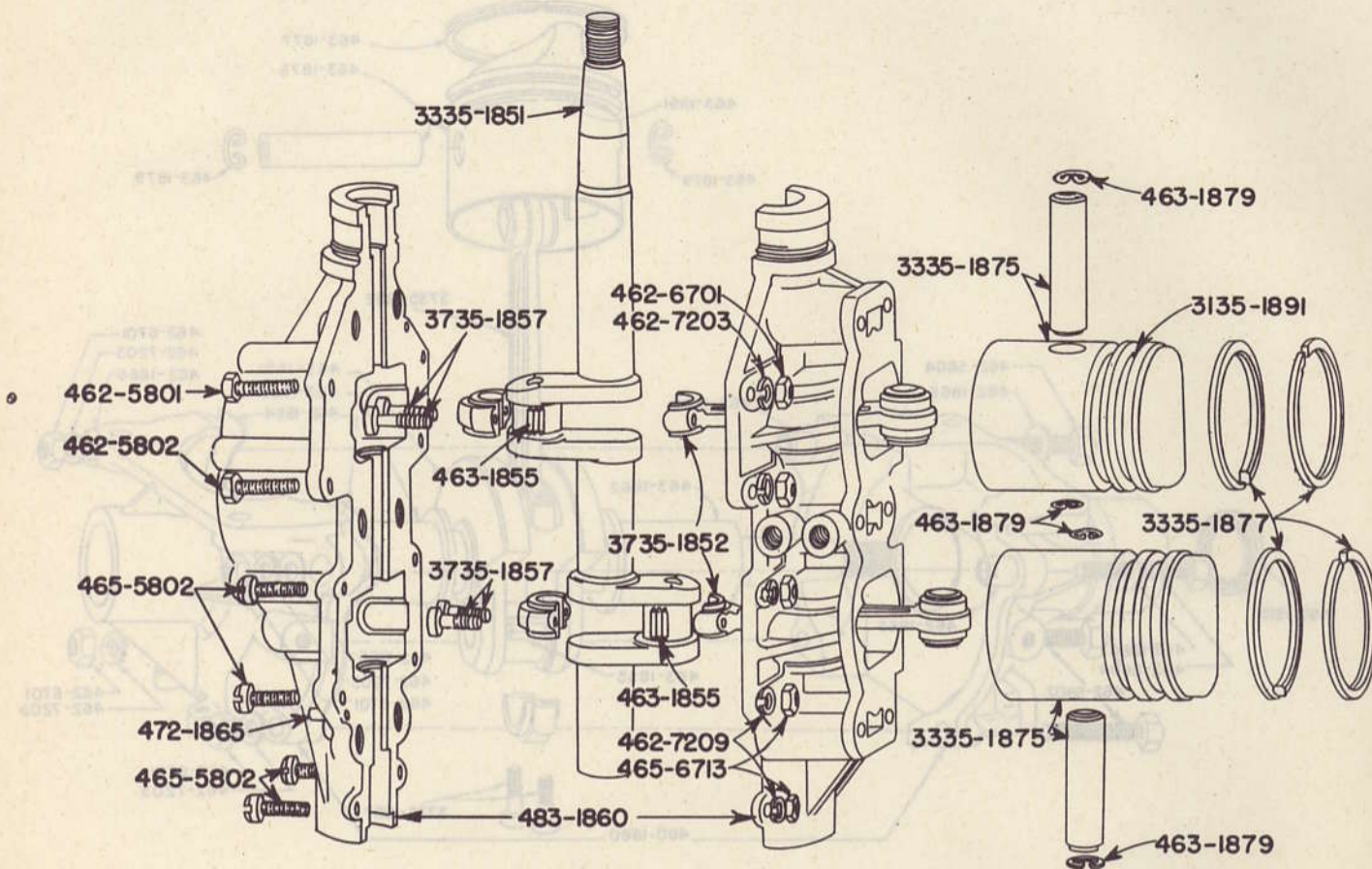


Part Number	Description
509-176	Lead Wire Clamp and Drain Tube Sup.
509-500	Spark Plug
487-645	Washer
4911-1663	Washer
3755-1711	Grommet
509-1868	Reed Valve Plate Assembly
509-1870	Reeds Only
509-1871	Reed Valve Clamp
509-1872	Gasket—Reed Valve Plate
509-1873	Intake Manifold
3945-1881	Cylinder Block
509-1882	Gasket—Cylinder Head
509-1883	Cylinder Head
462-1884	Washer—Cylinder Head
509-1885	Cylinder Flange Gasket
509-1887	Flywheel Key
509-1890	Intake Manifold Gasket
509-1895	Intake Cover Plate Assembly
†509-1896	Gasket—Intake Cover Plate
509-1897	Exhaust Cover Plate
509-1898	Exhaust and Water Cover Plate Gasket
3955-1902	Bracket—Right Front
3955-1903	Bracket—Left Front
509-1917	Water Cover Plate
3955-1962	Bracket—Right Rear
3955-1963	Bracket—Left Rear
509-4164	Mounting Ring—Stator Plate
3925-4167	Gear—Stator Plate
3955-4169	Magneto Pinion and Shaft Assembly
509-4173	Washer
3925-4178	Spacer—Stator Plate Gear Screw
3335-3659	Spacer
3335-3663	Roll Pin

Part Number	Description
503-4602	Follower Assembly
497-4614	Shaft—Synchronous Control Follower
493-4619	Spacer
480-4620	Lock—Synchronous Control Shaft
*497-4635	Spring—Synchronous Control
3955-5208	Bracket
462-5801	Screw
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
507-6050	Screw—Intake Cover Plate
497-5892	Screw—Water Cover Plate
*497-5902	Adjust. Screw—Synch. Control Follower
509-5921	Screw—Cylinder Head
509-5924	Screw—Water Cover Plate
509-5928	Screw—Reed Valve Plate
508-5940	Screw—Manifold
508-6727	Nut—Cylinder Block Studs
509-6054	Screw—Mounting Ring
462-6701	Nut
465-6713	Nut—Synchronous Control Shaft
462-7202	Lockwasher—5/16" Common
3745-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher—Synchronous Control Shaft
3755-7218	Washer
3745-7219	Lockwasher
*497-7230	Lockwasher—Synch. Control Follower
509-8200	Stud—Carburetor Flange
3945-8204	Stud—Crankcase to Block
509-8601	Welch Plug—Cylinder Block
3945-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
†	Included in 509-1895 Assembly
*	Included in 503-4602 Assembly



# CRANKCASE-3365

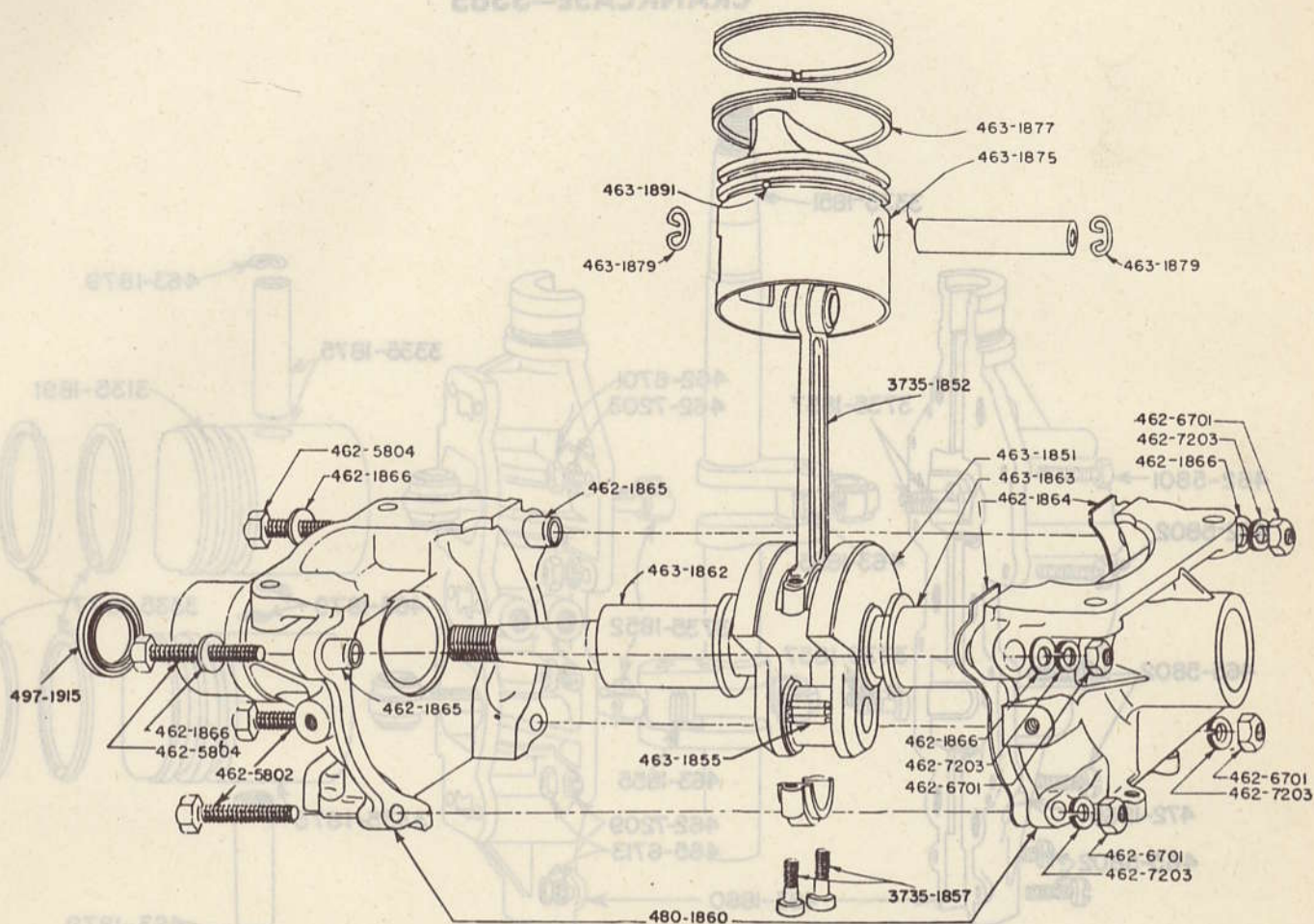


Part Number	Description
3335-1851	Crankshaft
3735-1852	Connecting Rod Assembly (Includes 463-1855 and 3735-1857)
*463-1855	Connecting Rod Crank Pin Roller Set (24)
3735-1857	Connecting Rod Screw
483-1860	Crankcase Assembly (Includes Front and Rear Halves of Crankcase with Bearings)
472-1865	Crankcase Dowel *Sold in sets only, to maintain uniformity

Part Number	Description
3335-1875	Piston and Pin
3335-1877	Piston Ring
463-1879	Piston Pin Lock
3135-1891	Piston Ring Pin
462-5801	Screw—Crankcase Flange
462-5802	Screw—Crankcase Flange
465-5802	Screw—Crankcase Flange
462-6701	Nut—Crankcase Flange Screw
465-6713	Nut—Crankcase Flange Screw
462-7203	Lock Washer—Crankcase Flange Screw Nut
462-7209	Lock Washer—Crankcase Flange Screw Nut



# CRANKCASE-3065

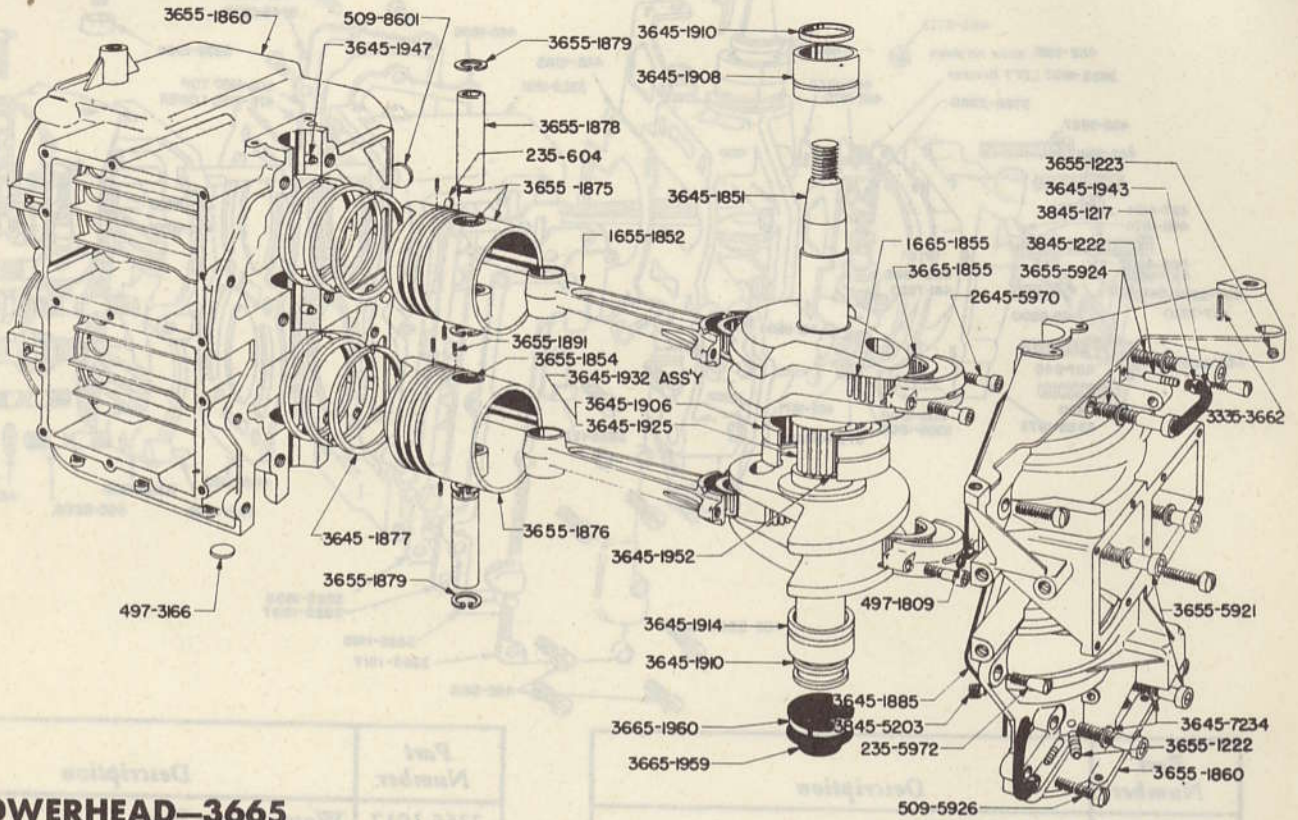


Part Number	Description
463-1851	Crankshaft
3735-1852	Connecting Rod and Cap (Includes 463-1855 and 3735-1857)
463-1855	Connecting Rod Crank Pin Roller Set (24)
3735-1857	Connecting Rod Screw
480-1860	Crankcase Assembly (Includes Upper and Lower Halves of Crankcase with Bearings)
463-1862	Upper Crankshaft Bearing
463-1863	Lower Crankshaft Bearing
462-1864	Crankcase Gasket

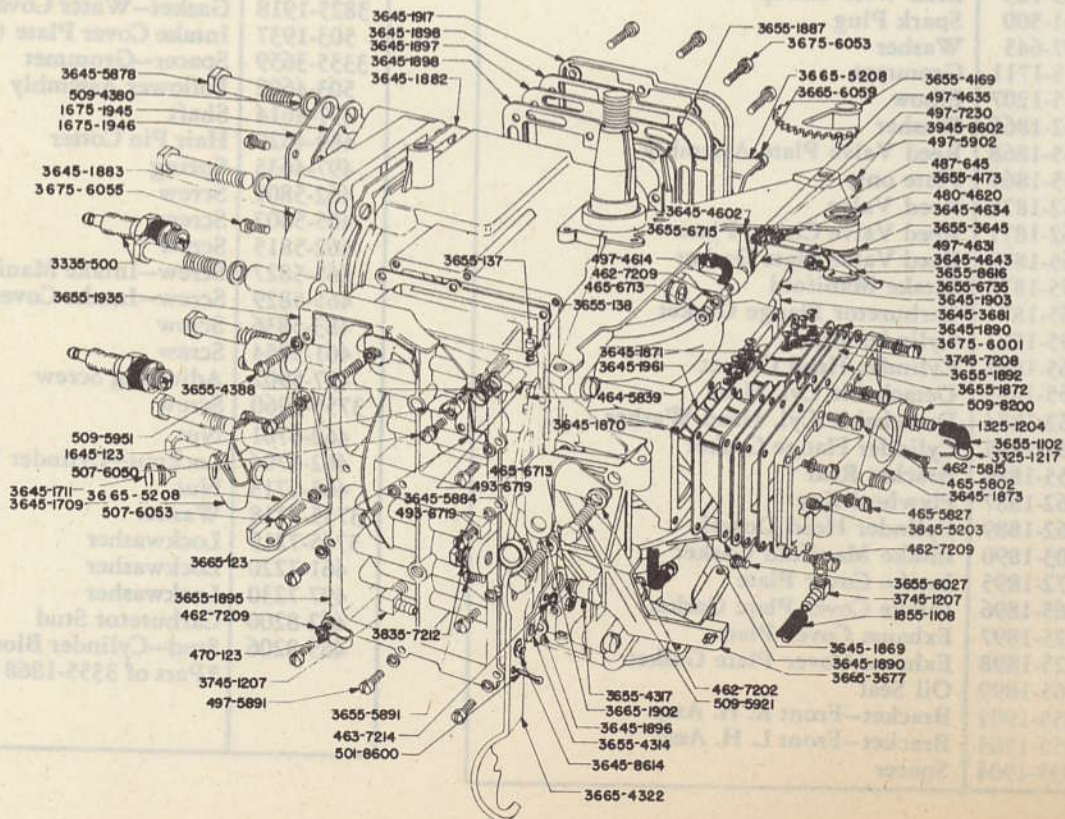
Part Number	Description
462-1865	Crankcase Dowel
462-1866	Crankcase Dowel Washer
463-1875	Piston and Pin
463-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Piston Ring Pin
497-1915	Seal
462-5802	Front Crankcase Flange Screw
462-5804	Rear Crankcase Flange Screw
462-6701	Crankcase Flange Screw Nut
462-7203	Lock Washer for Crankcase Flange Screw Nut



# CRANKCASE-3665

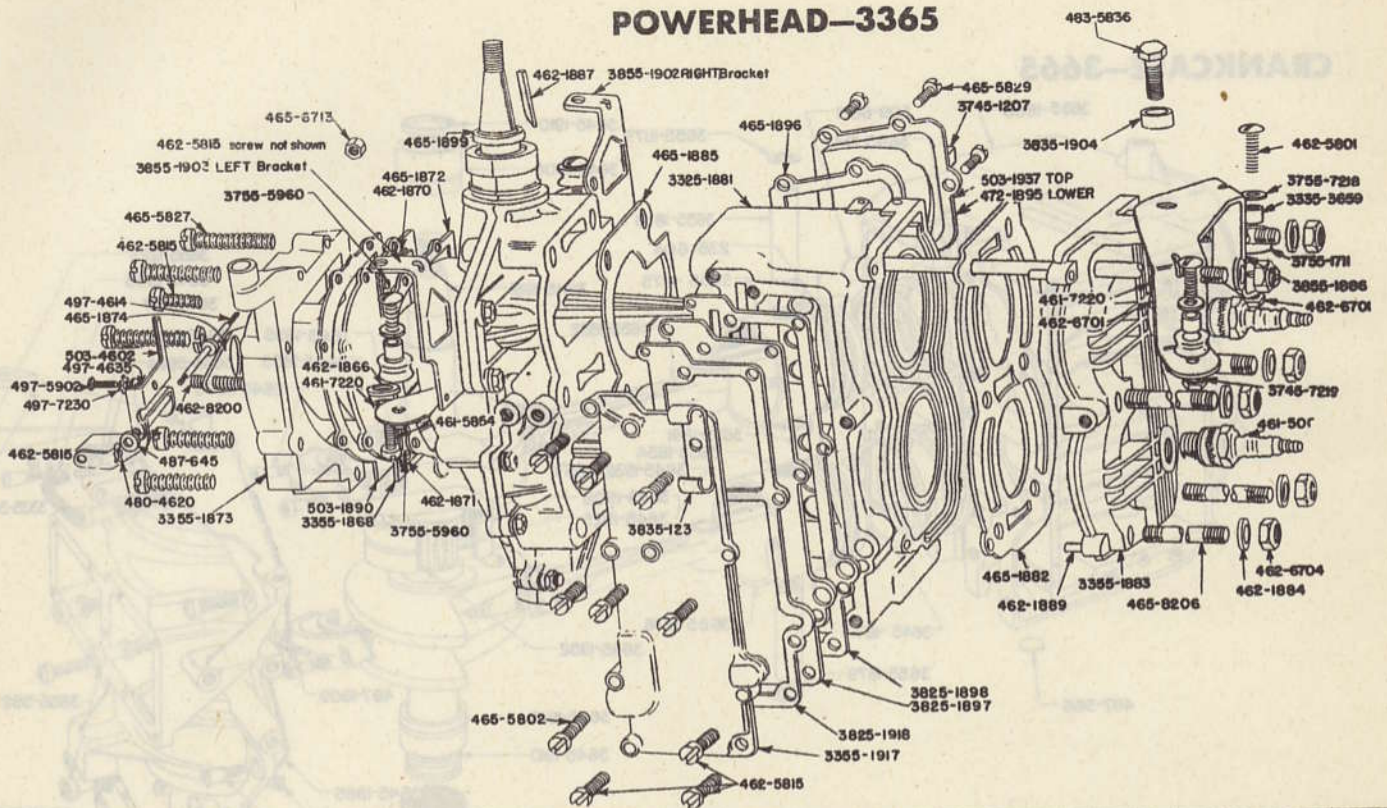


# POWERHEAD-3665





# POWERHEAD-3365

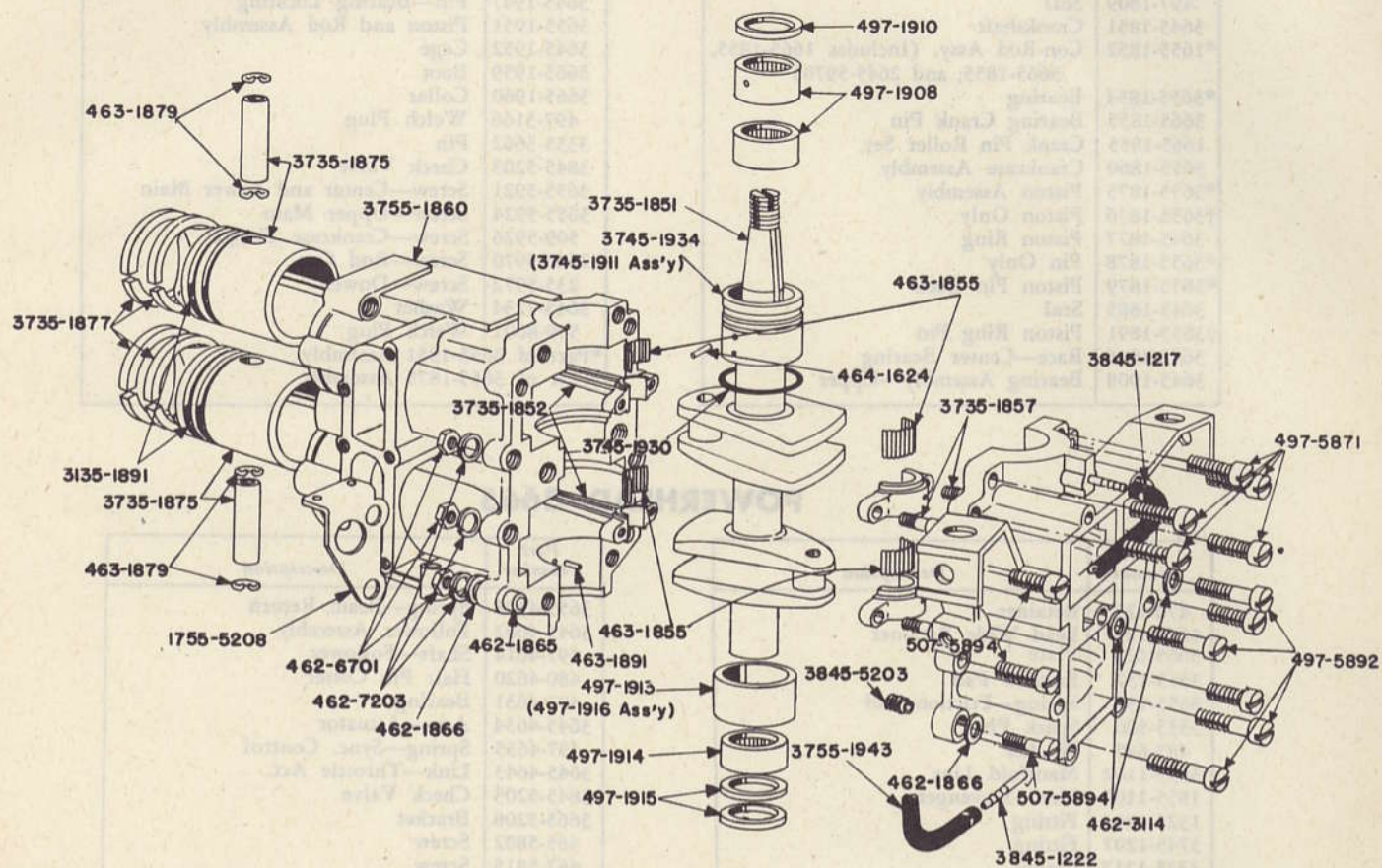


Part Number	Description
3835-123	Lead Wire Clamp
461-500	Spark Plug
487-645	Washer
3755-1711	Grommet
3745-1207	Elbow
462-1866	Washer
3355-1868	Reed Valve Plate Assembly
*3355-1869	Plate only
462-1870	Reed Valve
462-1871	Reed Valve Clamp Plate
465-1872	Reed Valve Plate Gasket
3355-1873	Intake Manifold
465-1874	Carburetor Flange Gasket
3325-1881	Cylinder Block
465-1882	Cylinder Head Gasket
3355-1883	Detachable Cyl. Head
462-1884	Detachable Cyl. Head Washer
465-1885	Cylinder Flange Gasket
3855-1886	Bracket Rear
462-1887	Flywheel Key
462-1889	Cylinder Head Dowel
503-1890	Intake Manifold Gasket
472-1895	Intake Cover Plate
465-1896	Intake Cover Plate Gasket
3825-1897	Exhaust Cover Plate
3825-1898	Exhaust Cover Plate Gasket
465-1899	Oil Seal
3855-1902	Bracket—Front R. H. Assy.
3855-1903	Bracket—Front L. H. Assy.
3835-1904	Spacer

Part Number	Description
3355-1917	Water Cover Plate
3825-1918	Gasket—Water Cover Plate
503-1937	Intake Cover Plate (Tapped)
3335-3659	Spacer—Grommet
503-4602	Follower Assembly
497-4614	Shaft
480-4620	Hair Pin Cotter
497-4635	Spring
462-5801	Screw
465-5802	Screw
462-5815	Screw
465-5827	Screw—Intake Manifold
465-5829	Screw—Intake Cover Plate
483-5836	Screw
461-5854	Screw
497-5902	Adjusting Screw
3755-5960	Screw
462-6701	Nut
462-6704	Locknut—Cylinder Head
465-6713	Nut
3755-7218	Washer
3745-7219	Lockwasher
461-7220	Lockwasher
497-7230	Lockwasher
462-8200	Carburetor Stud
465-8206	Stud—Cylinder Block
	*Part of 3355-1868 Assembly



## CRANKCASE-3765



Part Number	Description
3845-1217	Clamp
3845-1222	Fitting - Lubrication Line
464-1624	Groove Pin - Bearing Retainer
3735-1851	Crankshaft
3735-1852	Connecting Rod Assembly
463-1855	Connecting Rod Crank Pin Roller (Set)
3735-1857	Connecting Rod Screw
3755-1860	Crankcase and Block Assembly
462-1865	Hollow - Dowel
462-1866	Washer - Dowel Screw
3735-1875	Piston Assembly
3735-1877	Piston Ring
463-1879	Piston Pin Lock
463-1891	Pin - Lower Bearing
3135-1891	Piston Ring Pin
497-1908	Needle Bearing - Magneto Mount
497-1910	Oil Seal - Magneto Mount

Part Number	Description
3745-1911	Magneto Mount Assembly (includes 3745-1934, 497-1908, 497-1910)
497-1913	Retainer - Lower Crankshaft Bearing
497-1914	Needle Bearing
497-1915	Oil Seal
497-1916	Lower Crankshaft Bearing Retainer Assembly (includes 497-1913, 497-1914, 497-1915)
3745-1930	Seal
3745-1934	Bearing Cage
3755-1943	Lubrication Line
462-3114	Washer
3845-5203	Check Valve
1755-5208	Pump Bracket
497-5871	Screw - Crankcase Flange
497-5892	Screw
507-5894	Screw
462-6701	Nut
462-7203	L.W.



## CRANKCASE—3665

Part Number	Description
235-604	Welch Plug
3845-1217	Clamp
3655-1222	Fitting
3845-1222	Fitting
3655-1223	Fitting
497-1809	Seal
3645-1851	Crankshaft
*1655-1852	Con-Rod Assy. (Includes 1665-1855, 3665-1855, and 2645-5970)
*3655-1854	Bearing
3665-1855	Bearing Crank Pin
1665-1855	Crank Pin Roller Set
3655-1860	Crankcase Assembly
*3655-1875	Piston Assembly
†3655-1876	Piston Only
3645-1877	Piston Ring
*3655-1878	Pin Only
*3655-1879	Piston Pin Lock
3645-1885	Seal
†3655-1891	Piston Ring Pin
3645-1906	Race—Center Bearing
3645-1908	Bearing Assembly—Upper

Part Number	Description
3645-1910	Oil Seal
3645-1914	Bearing Assembly—Lower
3645-1925	Center Bearing Roller Set (16)
3645-1932	Bearing Assy. (3645-1906 and 1925)
3645-1943	Lubr. Line
3645-1947	Pin—Bearing Locating
3655-1951	Piston and Rod Assembly
3645-1952	Cage
3665-1959	Boot
3665-1960	Collar
497-3166	Welch Plug
3335-3662	Pin
3845-5203	Check Valve
3655-5921	Screw—Center and Lower Main
3655-5924	Screw—Upper Main
509-5926	Screw—Crankcase Flange
2645-5970	Screw—Rod Cap
235-5972	Screw—Dowel
3645-7234	Washer
509-8601	Welch Plug
*Part of 3655-1951 Assembly	
†Part of 3655-1875 Assembly	

## POWERHEAD—3665

Part Number	Description
470-123	Retainer
1645-123	Lead Wide Retainer
3665-123	Plate
3655-137	Friction Pad
3655-138	Spring—Friction Pad
3335-500	Spark Plug
487-645	Washer
3655-1102	Manifold Line
1855-1108	Line—Scavenger
1325-1204	Fitting
3745-1207	Fitting
3325-1217	Clamp
3645-1709	Bracket
3645-1711	Bumper
1675-1868	Reed Plate Assembly
*3645-1869	Plate Only
*3645-1870	Reed Valve
*3645-1871	Clamp Plate
3655-1872	Gasket
3645-1873	Intake Manifold
3645-1882	Gasket—Cylinder Head
3645-1883	Cylinder Head
3655-1887	Key—Flywheel
3645-1890	Gasket
3655-1892	Plate—Baffle
3655-1895	Cover Plate—Intake
3645-1896	Gasket—Intake Cover Plate
3645-1897	Cover Plate—Exhaust
3645-1898	Gasket—Exhaust Cover Plate
3665-1902	Bracket—R
3645-1903	Bracket—L
3645-1917	Water Plate—Exhaust
3655-1935	Guide—Lead Wire
1675-1945	Gasket—Cylinder Head Water
1675-1946	Cover Plate
*3645-1961	Clamp Plate
3655-3645	Washer
3665-3677	Bracket—Spring R.
3645-3681	Bracket—Spring L.
3655-4169	Stator Pinion Assembly
3655-4173	Spacer—Stator Pinion
3655-4314	Arm—Starter Lock Link
3655-4317	Screw
3665-4322	Beam
509-4380	Washer

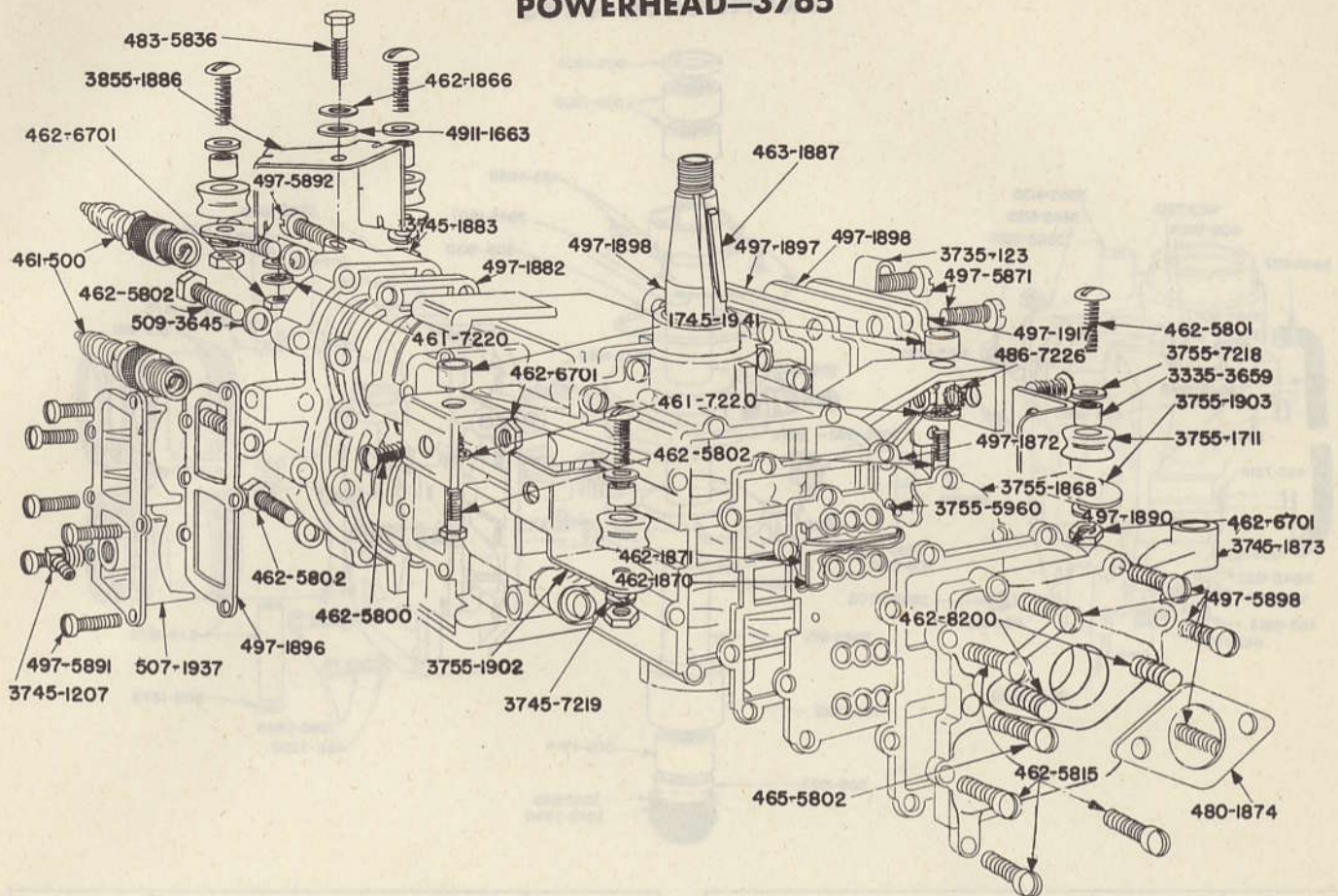
Part Number	Description
3655-4388	Spring—Beam Return
3645-4602	Follower Assembly
497-4614	Shaft—Follower
480-4620	Hair Pin Cotter
497-4631	Bearing
3645-4634	Arm—Actuator
497-4635	Spring—Sync. Control
3645-4643	Link—Throttle Act.
3845-5203	Check Valve
3665-5208	Bracket
465-5802	Screw
462-5815	Screw
465-5827	Screw
464-5839	Screw
3645-5878	Bolt—Cylinder Head
3645-5884	Screw
497-5891	Screw
3655-5891	Screw
497-5902	Screw—Follower Adj.
509-5921	Screw
509-5951	Screw
509-5961	Screw
*3675-6001	Screw
3655-6024	Screw
3655-6027	Screw
507-6050	Screw
507-6053	Screw
3675-6053	Screw
3675-6055	Screw
3665-6059	Screw
465-6713	Nut
3655-6715	Speed Nut
493-6719	Nut
3655-6735	Speed Nut
462-7202	Lockwasher
*3745-7208	Lockwasher
462-7209	Lockwasher
3835-7212	Lockwasher
463-7214	Lockwasher
497-7230	Lockwasher
509-8200	Stud—Carb. Flange
3945-8602	Pipe Plug
3645-8614	Retaining Ring
3655-8616	Retaining Ring
*Part of 1675-1868 Assembly	







## POWERHEAD—3765

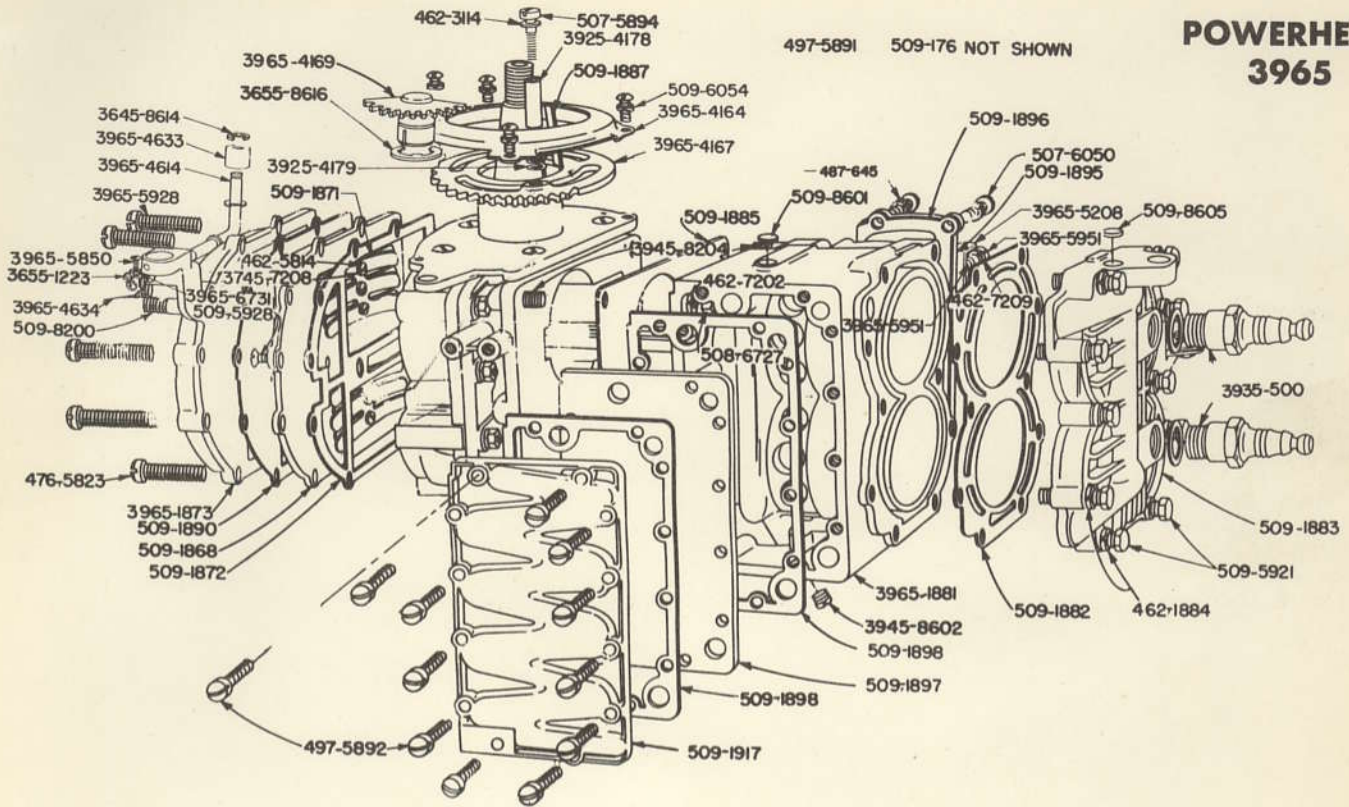


Part Number	Description
3735-123	Lead Wire Clamp
461-500	Spark Plug
3745-1207	Fitting
4911-1663	Spacer
3755-1711	Grommet
462-1866	Washer
3755-1868	Reed Valve Plate Assembly
462-1870	Reed Only
462-1871	Reed Stop
497-1872	Valve Reed Plate Gasket
3745-1873	Intake Manifold
480-1874	Carburetor Flange Gasket
497-1882	Cylinder Head Gasket
3745-1883	Detachable Cylinder Head
3855-1886	Bracket—Rear
463-1887	Flywheel Key
497-1890	Intake Manifold Gasket
497-1896	Intake Cover Plate Gasket
497-1897	Exhaust Cover Plate
497-1898	Exhaust and Water Cover Plate Gasket
3755-1902	Bracket—Right Front
3755-1903	Bracket—Left Front

Part Number	Description
497-1917	Water Cover Plate
507-1937	Intake Cover Plate
1745-1941	Spacer
509-3645	Washer
3335-3659	Spacer
462-5800	Screw
462-5801	Screw
462-5802	Screw
465-5802	Screw
462-5804	Screw—Cylinder Head
463-5813	Screw—Cylinder Head
497-5892	Screw
462-5815	Screw—Intake Manifold—Short
483-5836	Screw
497-5871	Screw—Water Cover Plate
497-5891	Screw—Intake Cover Plate
497-5898	Screw—Intake Manifold—Long
3755-5960	Screw—Reed Valve
462-6701	Nut
3755-7218	Washer
3745-7219	Lockwasher
461-7220	L.W.
486-7226	L.W.
462-8200	Carburetor Flange Stud



# POWERHEAD 3965



Part Number	Description
509-176	Lead Wire Clamp
3935-500	Spark Plug
487-645	Washer
3655-1223	Fitting
509-1868	Reed Valve Plate Assy.
509-1870	Reeds Only
509-1871	Reed Valve Clamp
509-1872	Gasket—Reed Valve Plate
3965-1873	Intake Manifold
3965-1881	Cylinder Block
509-1882	Gasket—Cylinder Head
509-1883	Cylinder—Head
462-1884	Washer—Cylinder Head
509-1885	Gasket—Cylinder Flange
509-1887	Flywheel Key
509-1890	Intake Manifold Gasket
509-1895	Intake Cover Plate Assy.
*509-1896	Gasket—Intake Cover Plate
509-1897	Exhaust Cover Plate
509-1898	Gasket—Exhaust and Water Cover Plate
509-1917	Water Cover Plate
462-3114	Washer
3965-4164	Mounting Ring—Stator Plate
3965-4167	Gear—Stator Plate
3965-4169	Mag. Pinion and Shaft
3925-4178	Spacer
3925-4179	Spring—Stator Plate Gear Screw
3965-4614	Shaft

Part Number	Description
3965-4633	Follower
3965-4634	Arm—Actuator
3965-5208	Bracket
462-5814	Screw—Valve Reed Clamp
476-5823	Screw—Intake Manifold
3965-5850	Screw
497-5891	Screw
497-5892	Screw—Water Cover Plate
507-5894	Screw
509-5921	Screw—Cylinder Head
509-5928	Screw—Reed Valve Plate
3965-5928	Screw—Intake Manifold
3965-5951	Screw
507-6050	Screw
509-6054	Screw—Mounting Ring
508-6727	Nut—Cylinder Block Studs
3965-6731	Nut
462-7202	Lockwasher—5/16" Common
3745-7208	Lockwasher—Valve Reed Clamp
462-7209	Lockwasher
509-8200	Stud—Carburetor Flange
3945-8204	Stud—Crankcase to Block
509-8601	Welch Plug—Cylinder Block
3945-8602	Pipe Plug—Cylinder Block
509-8605	Expansion Plug—Cylinder Head
3645-8614	Retainer
3655-8616	Retainer
	†Included in 509-1895 Assembly



# SCOTT-ATWATER SERVICE MANUAL

## SECTION G - LOWER UNIT, WATER PUMP AND PROPELLER

### CONTENTS

	Page
1946-47-48 LOWER UNIT	1
Disassembly	1
Assembly	2
SHIFT MODEL LOWER UNIT	2
Disassembly	3
Assembly	5
10 H. P. SHIFT LOWER UNIT	6A
16 H. P. SHIFT LOWER UNIT	6C
ADAPTATION OF SALT WATER FLUSHING PLUG	6I
16 H. P. GREEN HORNET UNIT	6J
1954 - 56 LOWER UNIT 5 - 7 1/2 - 10 HP BAIL-A-MATIC	6K
Disassembly	6K
Assembly	6L
1954 - 55 LOWER UNIT - 16 HP BAIL-A-MATIC	6M
Disassembly	6M
Assembly	6N
1956 LOWER UNIT - 16 HP BAIL-A-MATIC	6N-1
1955-56 LOWER UNIT - 30-33 HP BAIL-A-MATIC	6P
WATER PUMP	7
1946-47-48 Water Pump	7
Installing Stainless Steel Water Pump Cavity	8
Shift Model Water Pump	9
Impellers	9
Impeller Drive Modification	9A
PROPELLER	10
46-48 Standard Propellers	10
Slip Clutch Propellers	10
Cushioned Hub Props	11
Shock Absorber Props	11A
30 & 33 HP Propeller	11A
Salt Water Slip Clutch Prop	12



## LOWER UNIT, WATER PUMP AND PROPELLER

### 1946 - 47 - 48 LOWER UNIT

The gear housing on the single cylinder models has graphite bronze bearings throughout, while the twin models have a Torrington needle roller bearing supporting the lower end of the driveshaft and one in the cap supporting the front of the propeller shaft.

The bronze thrust washers in front of the needle roller bearings have projections that must fit into slots in the housing to prevent the thrust washer's turning. If improperly installed, damage will occur to thrust washer and bearings.

All the bearings are replaceable, but replacement is seldom necessary because they are designed to last the life of the motor. An excessive amount of water mixed with the grease in the lower unit usually indicates that the propeller shaft grease seal is worn or the bearing cap gasket leaks.

### DISASSEMBLY (Follow instructions in the order given)

1. Remove the propeller.
2. Remove the bearing cap by removing the two screws that hold it in place.
3. Remove the nut thus exposed and the corresponding nut on the other side above the propeller. This allows you to pull off the lower unit, including the driveshaft and anti-cavitation plate.
4. Pull the propeller shaft out. This releases the pinion gear (and thrust washer on twins) from the driveshaft.
5. Pull out the driveshaft and remove the water pump.
6. If it is necessary to replace either the propeller shaft bevel gear or the propeller shaft, the bevel gear can be removed from the propeller shaft by pressing the shaft out of the gear.
7. The water pump cam on the driveshaft is pressed on over a knurl on the shaft. This cam should be pressed on until the measurement from the bottom of the shaft to the bottom of the cam is exactly 3-1/4". If a stainless steel cavity is installed, the measurement should be 3-7/32" for the singles and 3-5/32" for the twins.



## ASSEMBLY

1. With the cam in position on the driveshaft, insert the driveshaft through the lower pump cam thrust washer and into the lower unit body.
2. Place the pinion gear thrust washer (twins only) over the driveshaft so that the projections fit into the slots in the casting and slide the pinion gear on the shaft.
3. If the gear has been removed from the propeller shaft, press it back on the shaft over the Woodruff key against the gear retaining ring.
4. With the bevel gear on the prop shaft, insert the shaft so that the two gears mesh.
5. Replace the water pump. The side marked "TOP" must face upward.
6. Place the upper pump cam thrust washer and anti-cavitation plate over the driveshaft. Side marked "TOP" must face upward.
7. Grease the spline connection between driveshaft and crankshaft with an anti-corrosive viscous lubricant.
8. Replace the entire unit on the lower motor casing. It may be necessary to rotate the motor a few degrees to allow the shaft to engage the spline. Bolt in place.
9. Place the thrust washer (twins only) in the bearing cap (hold it in place with grease) and slide the bearing cap in place over a new gasket. Screw in place.
10. Replace the propeller.

### SHIFT MODEL LOWER UNIT

Most service problems concerning the shift can be corrected by making the adjustments outlined in Section B or in the Owner's Manual. Consult that section before disassembling the lower unit to correct any shifting difficulties.

If the motor will not go into reverse, or if it jumps out of reverse, first check to see that the shift lever is not binding. If everything is in order, the trouble probably lies in the lower unit. Either the clutch dog has been at one time installed backwards or the cam detent is loose.

Grease leaks in the lower unit may be caused by an improper seal around the shift rod. Remove the bearing cap and replace the seal.

Lower units of '49 models can be recognized by the type of shift actuating mechanism used. The shift and the reverse lock on '49 models are actuated by wires, while in '50 models, steel rods are used. The '50 models also have a two piece driveshaft; however, the '49 model driveshaft, with the short rubber type shock absorber near the top end, can be replaced by the newer split shaft with the long, torsion spring shock absorber.



The following instructions for the disassembly and assembly of the lower unit should be followed closely; otherwise serious service problems can result.

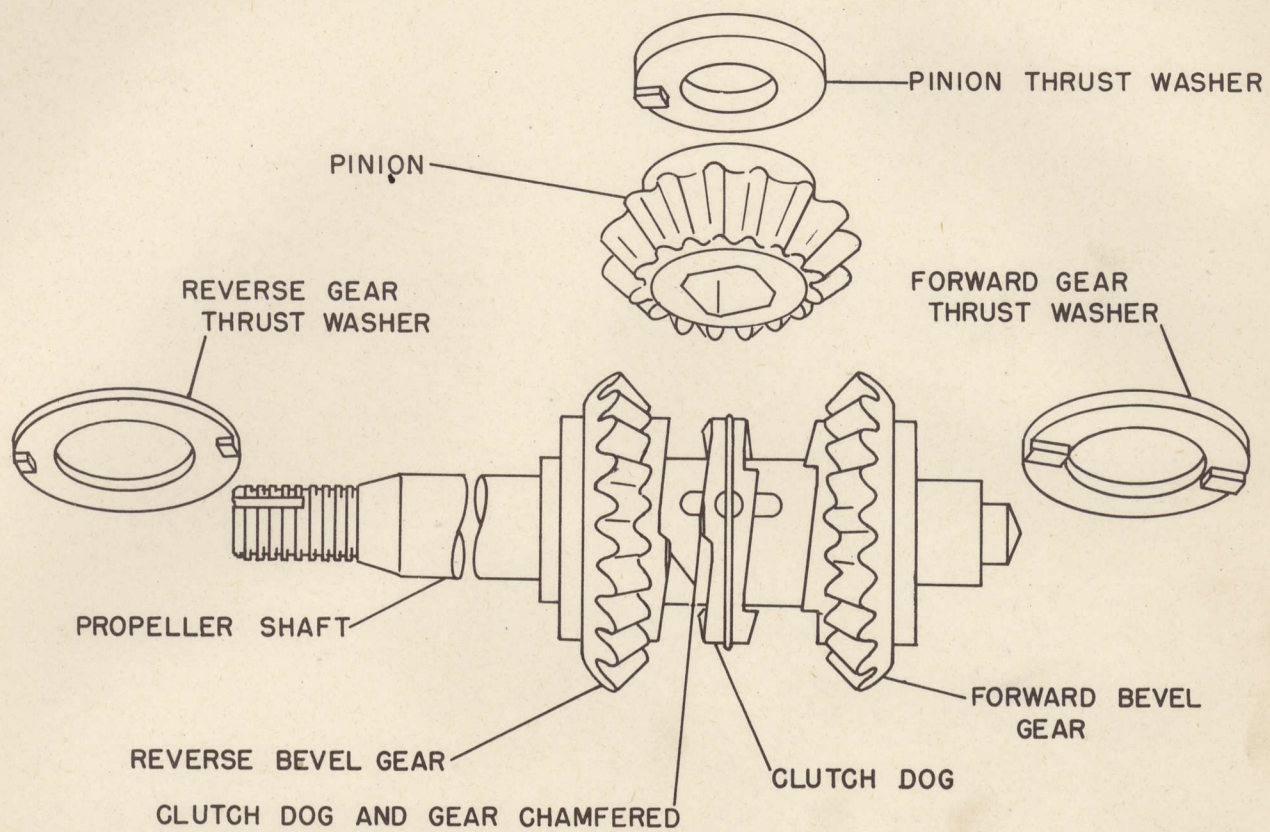
## DISASSEMBLY

1. Remove the three screws holding the bearing cap and remove the cap.
2. Unscrew the special nut on the drive selector rod.
3. Remove the lower unit stud nuts allowing the entire lower unit, driveshaft and anti-cavitation plate to be pulled off the lower motor casing. The top and bottom halves of the 1950 driveshaft may be separated by simply pulling them apart.
4. Slide off the forward bevel gear and thrust washer. If the propeller has been removed, the prop shaft can be pulled out and the reverse bevel gear and thrust washer removed.
5. Slide the pinion pin retainer up, push the pin part way out, rotate the shaft 1/2 turn and pull the pin out with a pair of pliers. The lower end of the driveshaft can now be pulled out, releasing the pinion gear and pinion thrust washer.
6. The water pump impeller can be slid off the driveshaft; and by driving out the impeller pin, the pump cover plate and anti-cavitation plate can be slid off the driveshaft. On '50 models, the driveshaft comes apart so that it is unnecessary to remove the pinion gear to take the water pump impeller off. Just pull the top 1/2 of the driveshaft off, remove the anti-cavitation plate and pump cover plate, and pull the water pump impeller off the top of the driveshaft stub.
7. The clutch dog can be taken off the propeller shaft by sliding the retaining ring (only on '49 models) aside and driving out the cross pin. This also releases the spring loaded prop shaft plunger.
8. To remove the drive selector cam; remove the cam detent retainer, drive out the expansion plug, remove the fork and slide out the cam.

The bearings and seals can all be replaced. The bearing in the cap assembly must be pulled out with a puller, the others can be pressed out. In replacing the propeller shaft rear ball bearing, the open end must face inward. The other two bearings should be pressed in putting pressure on the printed end. The bronze upper driveshaft bearing should be pressed in flush with the bottom of the pump cavity forming a groove for the pump seal ring to fit in.

In replacing the dog on the propeller shaft, the dog must be placed so that the teeth with the chamfered edge face the rear, or propeller end. Care must be taken to see that the three bronze thrust washers are in their proper places and the projections are properly seated in the grooves in the die cast housing.







The smallest thrust washer goes on the driveshaft. Of the two remaining, the thinner one with the short projections goes next to the rear ball bearing and the thicker one with the long projections goes next to the needle roller bearing in the bearing cap. A heavy grease will hold these washers in place while completing the assembly.

## ASSEMBLY

1. Slide the anti-cavitation plate and pump cover plate (held together with the rubber grommet) onto the driveshaft, making sure the word "TOP" stamped on each plate, faces upward. Slide the water pump impeller on the shaft and drive in the impeller pin.

On '50 models, the driveshaft is split so that it is not necessary to place the anti-cavitation plate on the shaft first. Just press in the impeller pin and insert the lower driveshaft stub in the lower unit. The pump cover plate and the anti-cavitation plate can be replaced after the rest of the gear housing has been assembled.

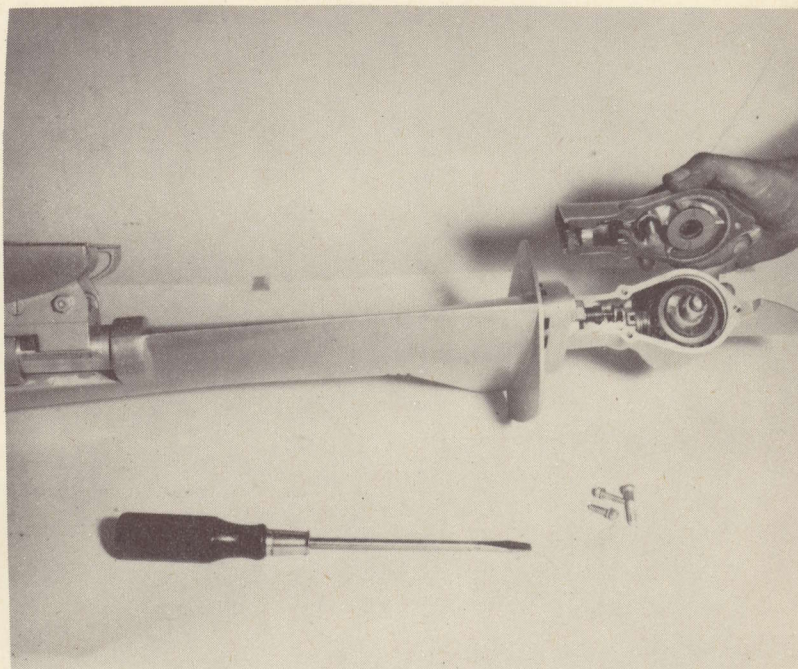
2. Insert the driveshaft in the lower unit and slide the correct thrust washer and bevel gear on the shaft. Press the pinion pin in position and replace the retainer in such a way that the overlapping edge points to your right when looking into the lower unit. In this position it will not pick up grease when rotated by the motor. Draw up the driveshaft, making sure that the thrust washer is properly seated, and slide the impeller down into the pump housing, engaging the impeller pin on the driveshaft.
3. With the proper thrust washer in place, take the reverse gear (the one with the needle roller in the hub and the chamfer on the edge of the dog face) and slide it in behind the pinion gear. Insert the propeller shaft and clutch dog assembly.
4. Replace the lower unit and driveshaft on the motor with the drive selector rod passing through the rubber grommet in the anti-cavitation plate. It may be necessary to rotate the motor a few degrees to get the driveshaft to engage the spline in the crankshaft. Replace the two lower unit stud nuts and lockwashers.
5. Slide the seal sleeve on the shift rod casing and screw the special nut on the rod until the end of the rod is flush with the face of the nut.

On '50 models, there is a special "O" ring that slides on the shift rod and over that, a short length of aluminum casing which has a synthetic seal-sleeve on the lower end. Coat the seal with permatex to insure a grease tight seal at this point.

6. Slide the forward bevel gear on the propeller shaft. Coat the thrust washer with grease and place it in position in the bearing cap.
7. Replace the bearing cap assembly making sure the thrust washer is in place, the seal sleeve on the shift rod is in place and bearing cap gasket is properly placed.

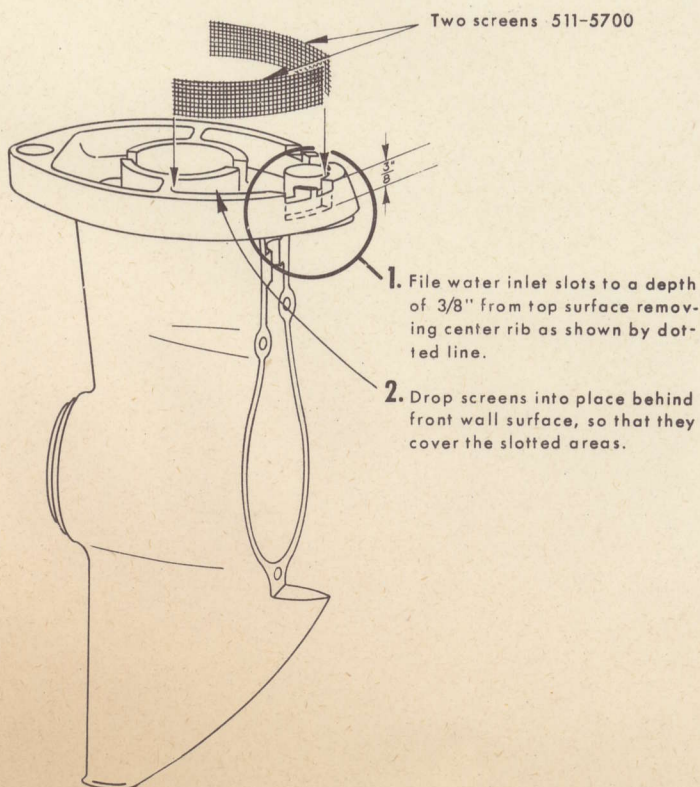


The drive selector cam fork must engage the special nut on the shift rod. On '49 models it may be necessary to move the nut by moving the shift lever on the side of the motor. On the '50 models, set the shift rod so that there is 1/32" clearance between the reverse lock and thrust socket, then place the drive selector cam in the bearing cap in the neutral position and hold the bearing cap in position over the prop shaft. If the cam fork will not engage the nut, screw the nut up or down until the fork will slide over the nut without moving either the reverse lock or the drive selector cam out of the correct neutral position. Usually the nut will be screwed on until 2 or 3 threads show beyond the nut. Screw the cap in position and fill with grease. Do not force the bearing cap assembly into place. If it does not seat easily, either the thrust bearings are interchanged or not in position, or the fork is not engaged with the special nut on the shift rod.

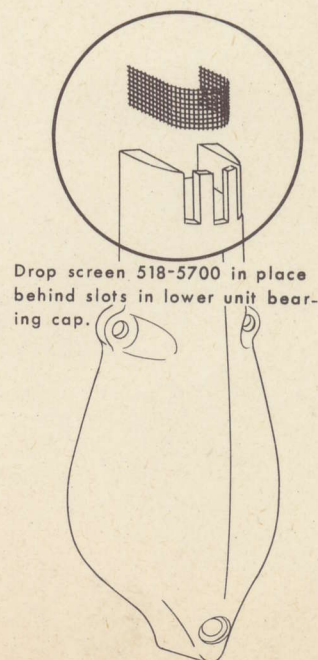


*Checking position of special nut before replacing bearing cap.*

### MODIFICATION OF SHIFT LOWER UNITS FOR OPERATION IN EXTREMELY DIRTY WATER (4 thru 10 HP MODELS)



### 10 HP (Only Bearing Cap)





## 10 HP SHIFT LOWER UNIT THRU 1953

### DISASSEMBLY

1. Remove grease plugs and drain grease.
2. Remove the bearing cap and unscrew the special nut on the shift rod.
3. Remove the four Bristol screws just under the pump housing and pull the lower unit off.
4. Pull off the top half of the driveshaft, remove the splash plate, pull the water pump impeller out and remove the pump pin.
5. Remove the stud nut exposed when the cap was taken off and the nut down in the pump housing casting. The lower unit castings can then be separated.
6. Disassembly of the lower unit gears is the same as for the smaller shift motors.

### ASSEMBLY

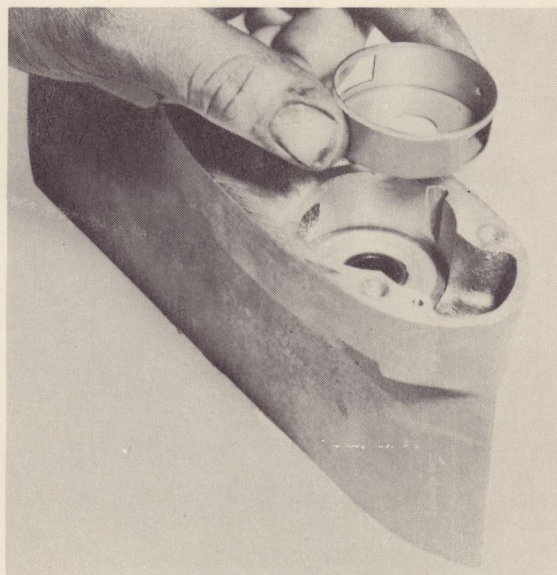
1. Assemble the lower unit gears and driveshaft stub according to instructions given on pages 4 and 5 of this section.
2. Place the "O" ring in the groove in the lower unit body. If you find this groove so deep that the "O" ring will not be compressed, cut a washer out of .015 gasket material or shim stock and place it under the "O" ring. Use permatex to insure a seal around the washer.
3. Slide the anti-cavitation plate on the driveshaft, place the "O" ring in the bottom of the pump housing casting and slide the casting over the driveshaft. Replace the two stud nuts and tighten down. Be sure to use the thin walled nut on the front stud, otherwise the lower unit cap will not fit.
4. Replace the two seal rings and the water pump cavity. Insert the pump pin and slide the water pump impeller down into the cavity, turning it with a clockwise motion to properly position the blades. The side marked TOP must face upward.
5. Replace the pump cover plate and "O" ring. Slide the splash plate over the driveshaft and replace the screws.
6. Grease driveshaft connections and slide the top section of the driveshaft on the stub making sure the torsion spring enters the slot in the stub. Attach this assembly to the lower motor casing. If you have any difficulty steering the shift rod into the sleeve, bend the rod forward slightly. It may also be easier to coat the end of the driveshaft with heavy grease and push it up in place in the lower motor casing while the lower unit is being worked into position, then steer the drive-shaft into position after the shift rod has come through.
7. Move the gearshift handle until there is 1/32 inch clearance between the reverse lock and the thrust socket. Next, place the drive selector cam in neutral. Now screw the special nut on the shift rod until it will engage the fork on the drive selector without moving out of the correct neutral position.
8. With the proper thrust washer in place, attach the lower unit cap over a new gasket and fill the housing with Universal Gear Lubricant SAE 90 (E.P.). When available, use Texaco "Maropa".



## THINGS TO WATCH FOR

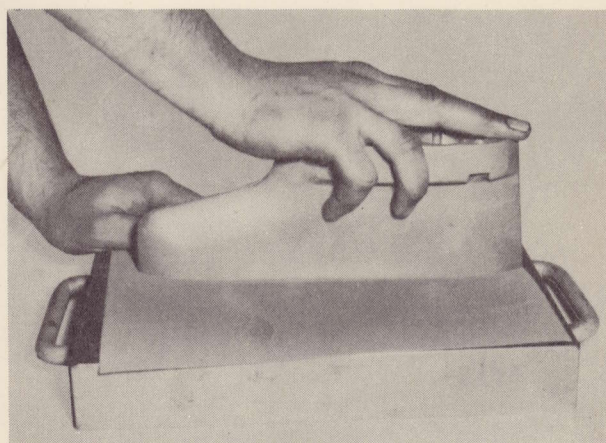
Clutch Dog Broken. Early models were equipped with a clutch dog that has since been improved. If this part breaks, or if the unit is serviced, replace the old clutch dog with the newer type. The new ones are lighter colored and are not chamfered around the hole for the cross pin.

Water Pump Quits. A few of the early models may quit pumping water because the cavity has turned backward in the casting, closing the inlet hole. This can be prevented by using the newer style cavity that has a dimple in the port side. Lay the new cavity in place, mark the casting and file a groove in the casting for this dimple to slide down into. The old cavity can also be fixed by making a punch mark on the port side of the cup with a dull center punch and filing a groove in the casting to match.



*Dimple in the cup corresponding to the slot in the casting.*

Grease Leaks Between Castings. Lay a smooth sheet of fine emery paper on a surface plate, or other flat surface, and run the flat surface of the casting over the emery paper lightly. Do not remove any more metal than is absolutely necessary. A thin layer of permatex will also help seal these joints.



*Smoothing out parting surfaces*



## 16 HP SHIFT LOWER UNIT THRU 1953

### DISASSEMBLY

1. Remove the shift actuator pin, Part No. 509 - 4364, and unscrew the shift connector "A" until it is free of the shift rod. There is not much room at this point under the powerhead, but by placing the shift lever in forward and the shift rod in reverse, you can manipulate this part with the fingers.

2. Remove the four screws just above the water pump housing and pull the lower unit off. The top half of the driveshaft can then be lifted off.

3. Remove the splash plate, exposing the water pump. Pull the impeller out and remove the Woodruff key.

4. Drain the lubricant out of the lower unit. You can drain the lubricant while disassembling the above, however, it is not necessary to drain when working on the water pump.

5. Remove the two nuts on the lower unit studs with a 9/16 socket wrench. Remove the screw at the exhaust outlet, which holds the anti-cavitation plate to the pump housing. The lower unit can then be pulled apart.

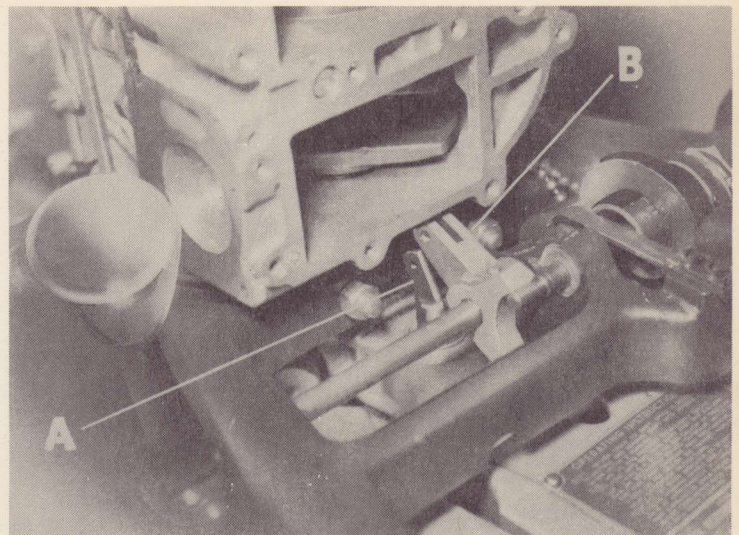
6. Slide the driveshaft, pinion gear and bearing assembly out of the unit.

7. The drive selector cam can now be removed if necessary.

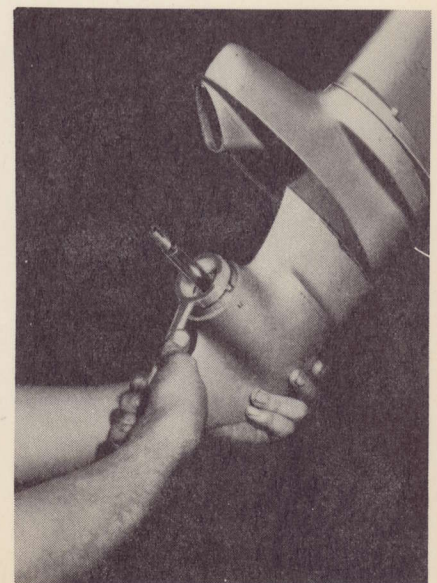
**NOTE:** It is not necessary to complete the above steps before disassembling the lower unit gears and prop shaft, which is described below:

8. Remove the propeller, loosen the two set screws on the side of the unit and unscrew the lower unit cap.

9. Remove the "O" ring. This can be done by reaching in and grasping it with a long nose pliers.



*Shift actuator linkage.*



*Removing lower unit cap.  
Tools shown in illustrations  
are A50-635 Lower Unit.  
Tool Set, \$6.50 net per Set.*



10. Use the special puller to pull the rear prop shaft bearing and cage out of the lower unit. This bearing cannot be removed by pulling on the prop shaft because the gears cannot get by the spiral ring.

11. Remove the spiral lock by starting one end out with a screw driver, grasp it with a long nose pliers, and work the spiral out of the groove.

12. Pull the prop shaft assembly and reverse gear out of the unit.

13. The forward gear can now be taken out. With the pinion gear still in place it will be necessary to rotate the forward gear around to the side of the pinion in order to remove it.

14. Fish out the thrust washer. If necessary, the front prop shaft bearing can be pulled out with the special puller. This bearing can also be removed by running hot water over the casting, then tapping the casting on a table so that the bearing falls out.

## ASSEMBLY

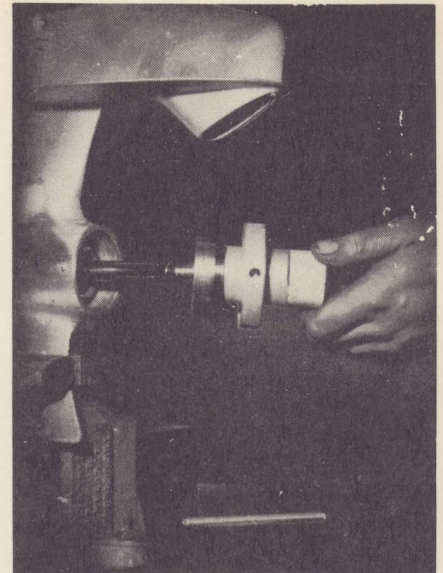
1. If the clutch dog has been removed from the shaft, replace it so that the teeth with the chamfered edge face the propeller end. See the illustration on page 4 of this section. If the clutch dog is held in place with a knurled pin, see instructions under, "Things to Watch For".

2. With the front prop shaft bearing in place, coat the thrust washer with grease and place it in position. Place the forward bevel gear, the one that has a bronze bearing in the hub, in place over the thrust washer.

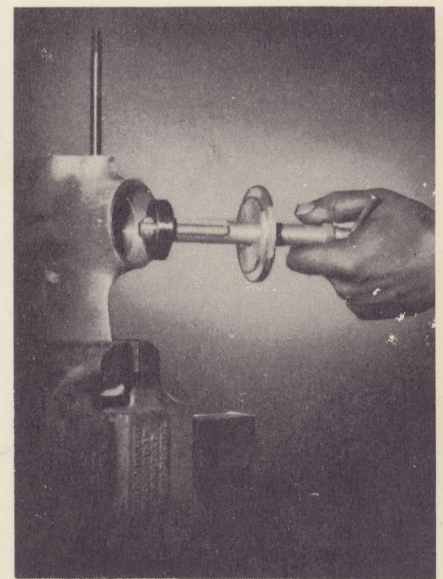
3. Pull the drive selector cam up, or into the forward gear position. Line up the washer and gear as closely as possible, then carefully insert the prop shaft assembly. Be sure that the shaft is all the way into position; as a check,  $3 \frac{13}{16}$  inches of the driveshaft should be exposed beyond the face of the lower unit housing.

4. Place the rear bevel gear, the one with a needle bearing in the hub, on the shaft. Slide the thrust washer into position on the shaft.

5. Work the spiral ring into the groove in the casting.



*Removing rear prop shaft bearing.*



*Removing front prop shaft bearing.*



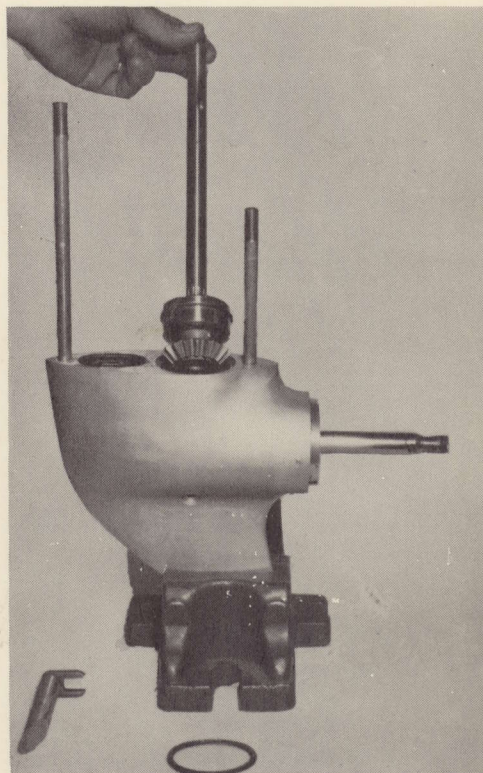
6. Slide the rear bearing and cage into position so that it fits against the spiral ring.

7. Place the "O" ring in position, coat the threads with a little glyptal and screw the cap on tightly. Tighten up the set screws.

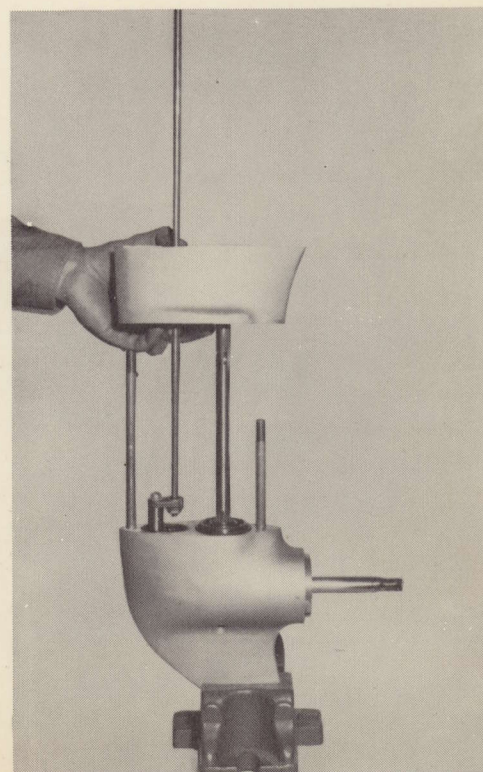
8. Place the driveshaft, pinion gear and bearing assembly in position. If you find that the bearing is not held snugly in place by the spiral lock on the pinion, cut a washer out of proper shim stock and insert between the bearing and spiral lock. Be sure that the rivet holding the pinion on the shaft is in tightly.

9. Slide the drive selector cam into the lower unit and replace the "O" ring. Screw the special nut all the way on the shift rod and lock in place with the other nut. Place the shift rod and special nut in position. Replace the "O" ring around pinion gear bearing.

10. Slide the lower unit top section over the studs making sure that the grommet around the shift rod is in position. Place the "O" ring in the groove around the driveshaft. Slide the shift rod tube over the shift so that the lower shoulder fits against the Neoprene grommet.



*Placing pinion in position.*

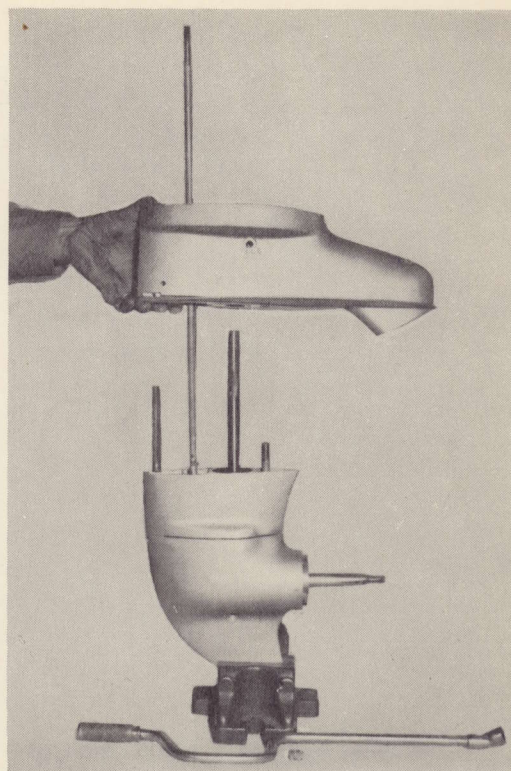


*Installing top section of lower unit.*



11. With the "O" ring and grommet in position in the pump housing, place the anti-cavitation plate and pump housing, held together by the screw in the back, in position. Be sure that the bearing and seal around the driveshaft are in position. Tighten the two nuts on the studs.

12. With the "O" ring and water pump cavity in place, replace the Woodruff key and slide the pump into the cavity, turning it with a clockwise motion to set blades at proper angle. The pump must slide freely over the key so that it will float on the shaft. It may be necessary to file the key slightly.



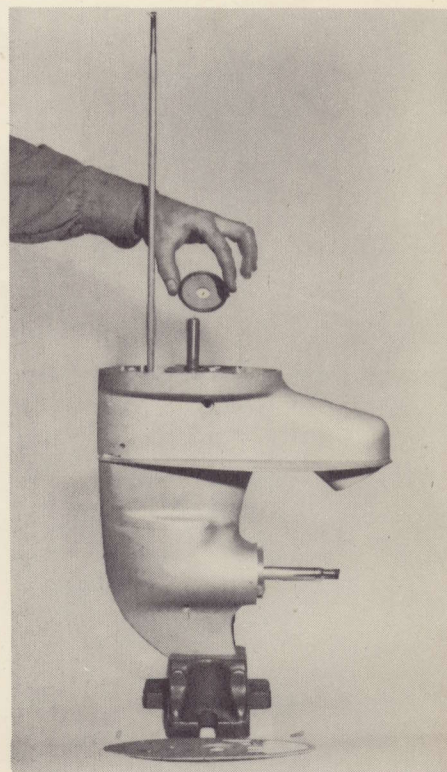
*Installing pump housing.*

13. Apply a thin coat of permatex on the top of the pump cover plate next to the locating lip and slide the plate over the shaft. Place the "O" ring in position.

14. Slide the splash plate over the shaft and replace the two screws that hold it in position.

15. Grease both connections and place the top half of the driveshaft over the lower end making sure the torsion spring enters the slot in the driveshaft. Then push the lower unit up into place on the lower motor casing. It may be necessary to rotate the flywheel a few degrees before the driveshaft will engage the slot in the crankshaft.

16. Bolt the lower unit in position with the four Bristol screws.



*Replacing pump cover plate.  
Note Glyptol around locating lip.*



17. Screw the shift connector "A" on until the holes for the pin line up when both the shift handle and the lower unit are in the correct neutral position. (See illustration under #1 of disassembly.) This adjustment is important because it is the only linkage between the lower unit and shift handle. It is easiest to manipulate the shift connector with the lower unit in reverse and the handle in the forward position.

18. Replace the shift actuator pin and the hair pin cotter. If the hair pin cotter has lost its tension, use a standard type of cotter pin. The newer style pin with the "U" shaped clip can also be used in place of the hair pin cotter.

19. Fill the lower unit with Universal Gear Lubricant SAE 90 (EP). Use Texaco "Maropa" if available.

## THINGS TO WATCH FOR

Water Pump Works at Slow Speed Only. Usually this will be caused by a tight fit between the pump and driveshaft. During high speed operation, the gears tend to move the shaft upward slightly. Unless the pump is allowed to float on the shaft, the pump will be pushed up against the pump cover plate and break the seal. If this has happened, replace the worn pump impeller and file the Woodruff key so that the new impeller will float on the shaft.

Lower Unit Jams or Turns Free. The pin that holds the pinion on the driveshaft may have come out. Early production used a knurled pin, later a rivet was used. Install a new rivet and pean the end.

If the knurled pin in the clutch dog is loose, it is advisable to replace the clutch dog with the later type, which uses a retainer to hold the pin in position. If you cannot obtain a new clutch dog, use a new pin and a new prop shaft plunger, making sure the pin is a tight press fit in the plunger.

Check the torsion bar in the driveshaft to see that it has not been deformed. Normal shape is a flat bar.

Grease Leaks Around the Lower Unit Cap. Loosen two set screws, remove the cap and coat the threads with glyptal and replace cap tightly. (If this doesn't stop it, cut a .015 gasket to fit with "O" ring).

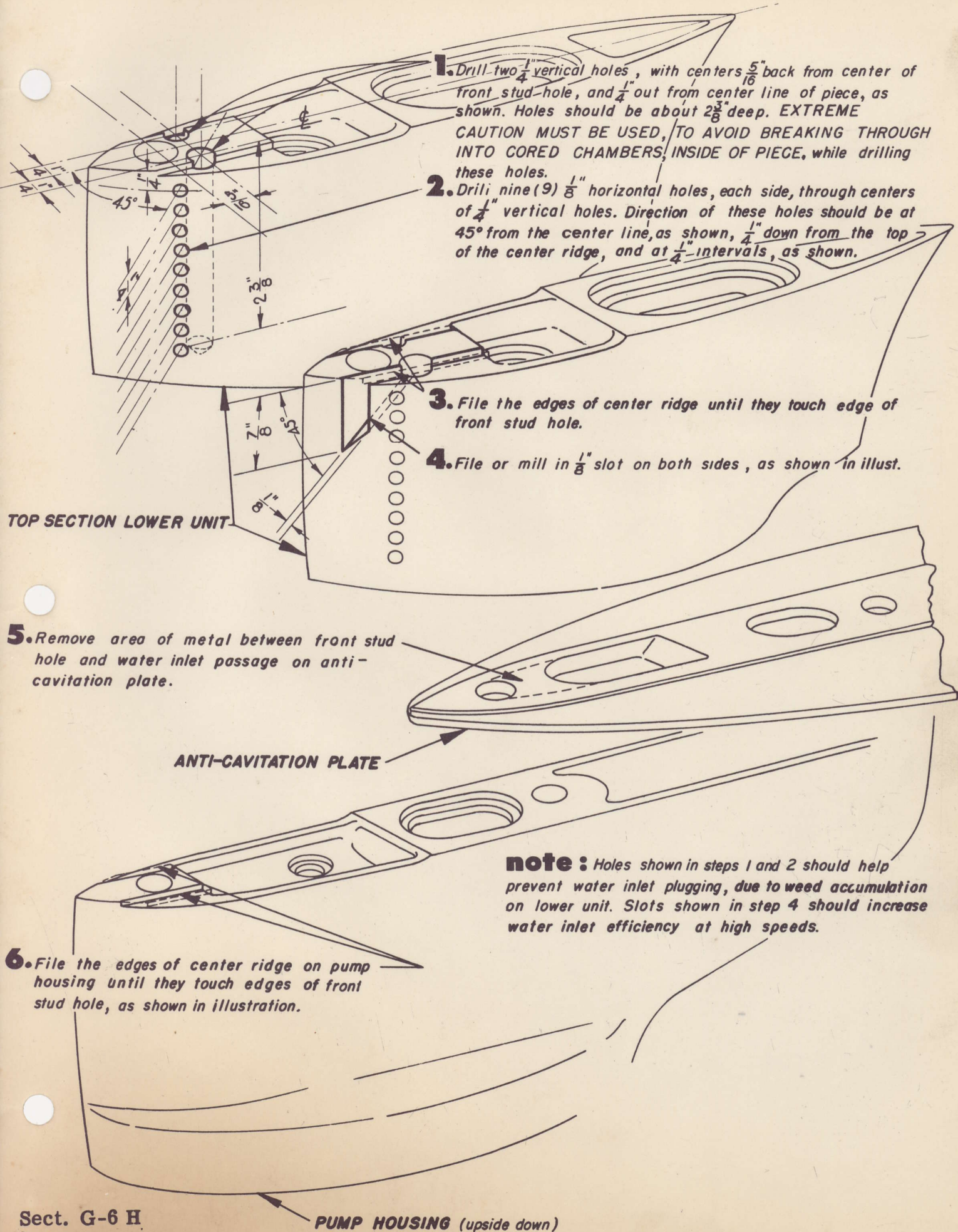
Grease Leaks Between Castings. Lay a smooth sheet of emery paper on a surface plate, or other flat surface, and smooth out parting surfaces by sanding very lightly. See the illustration at the end of the instructions for the 10HP powerhead.

Grease Leaks Around Shift Rod and Pivot Tube. A certain amount of grease will travel up between the shift rod and tube to lubricate the parts. If there is excessive leakage, replace the shift rod with the later type that has an oil seal or "O" ring about 6 inches from the top end.

Water Pump Quits - Weeds on Lower Unit. See modification on next page.



# 1-30 Lower Unit Water Inlet Holes Modification





## 1-30 LOWER UNIT MODIFICATION

The modification shown on the previous page shows how to improve the Model 509 water inlet. A more satisfactory system would be to replace the necessary parts to move the inlet in back of the propeller as is done on the late model 519.

To make this change, replace the following parts:

519-3189	Pump Housing
519-3103	Anti-Cavitation Plate
509-2901	Drive Shaft-Lower End
519-3185	Seal Ring - Pump Cavity - Bottom
509-8204	Stud-Rear (longer than stud used in model 509)

Be sure to change the driveshaft because the case hardened surface for the needle bearing has been changed. It is not necessary to replace the Lower Unit Top Section, however, it is advisable to fill the water inlet holes in front with liquid solder or lead shot.

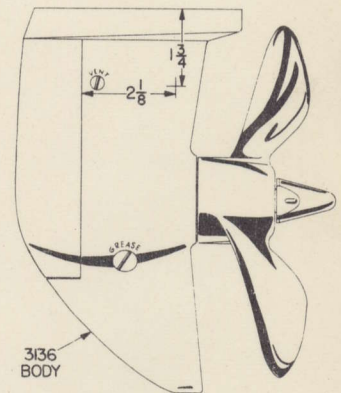
If the motor is ever stored in a freezing climate, drill small drain holes in the Pump Housing and Lower Unit Top Section wherever water might accumulate. If water is left in these cavities and it freezes, the ice will break out the casting walls.

## ADAPTATION OF SALT WATER FLUSHING PLUG

For models manufactured without facilities for flushing the internal water lines and passages, the following instructions show how to install the salt water flushing plug.

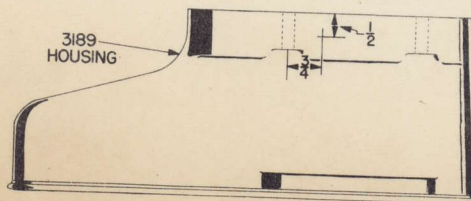
### 4.0, 5.0 and 7.5 HP (1949 through 1953)

On "grease plug" or "port" side of motor locate center of the hole 2 1/8" from front of #3136 lower unit body and 1 3/4" from top of body. (See illustration.) Drill through with 11/32 drill and tap with 1/8-27 National pipe tap. Use standard 1/8" pipe plug or 509-8602 pipe plug.



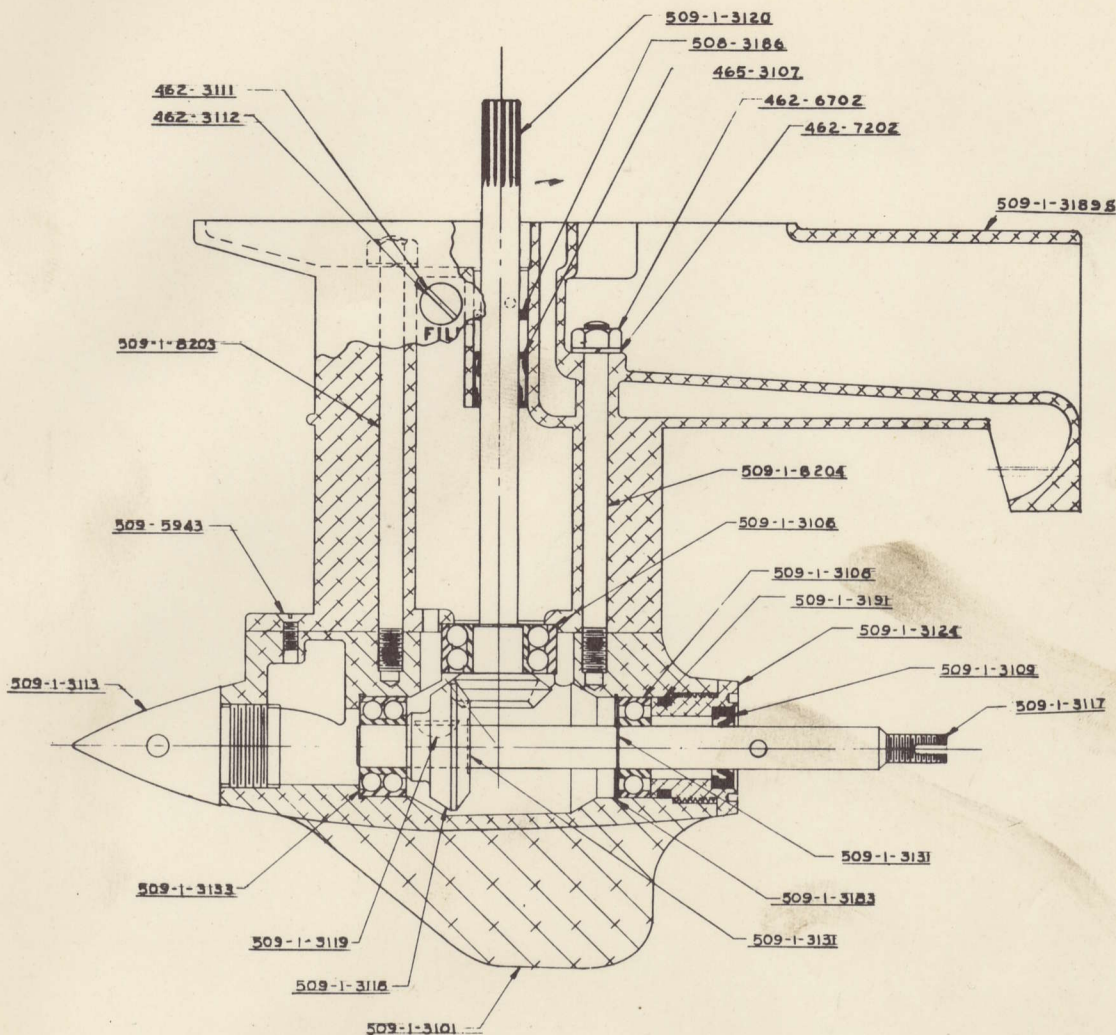
### 10 and 16 HP (1950 through 1953)

On "Shift" or "Starboard" side of motor, locate center of the hole in #3189 pump housing 3/4" from the center of rear lower unit fastening screw (508-5930 on the 10 HP and 509-5947 on the 16 HP) and 1/2" down from top of this pump housing. (See illustration.) Drill through with 11/32 drill and tap with 1/8-27 National pipe tap. Use standard 1/8" pipe plug or 509-8602 pipe plug.





# GREEN HORNET LOWER UNIT - 509 - 1 - 3100



Part No.	Description	Part No.	Description
*509-1-2900	Driveshaft - Top End	509-1-3124	Rear Cap
509-1-3101	Lower Unit Body	509-1-3131	Retaining Ring
509-1-3106	Bearing - Pinion	509-1-3133	Bearing - Front
465-3107	Bearing	509-1-3173	Propeller Shaft Assembly
509-1-3108	Bearing - Rear Prop Shaft	509-1-3177	Rear Cap Assembly
509-1-3109	Seal - Propeller Shaft	509-1-3183	Snap Ring - Rear Bearing
462-3111	Grease Plug	508-3186	Seal - Driveshaft
462-3112	Gasket - Grease Plug	509-1-3189S	Lower Unit - Top Section
509-1-3113	Nose Plug	509-1-3190	Splash Plate
509-1-3117	Propeller Shaft	509-1-3191	Seal Ring - Rear Cap
509-1-3118	17 Tooth Gear	509-5943	Vent Screw
509-1-3119	Woodruff Key	509-1-8203	Stud - Front
509-1-3120	Lower Driveshaft & Pinion	509-1-8204	Stud - Rear
509-1-3121	Propeller (Not included in 509-1-3100 Assembly)	519-8608	Cotter Pin - Prop. Nut
509-1-3123	Propeller Nut	462-6702	Nut
		462-7202	Lock Washer

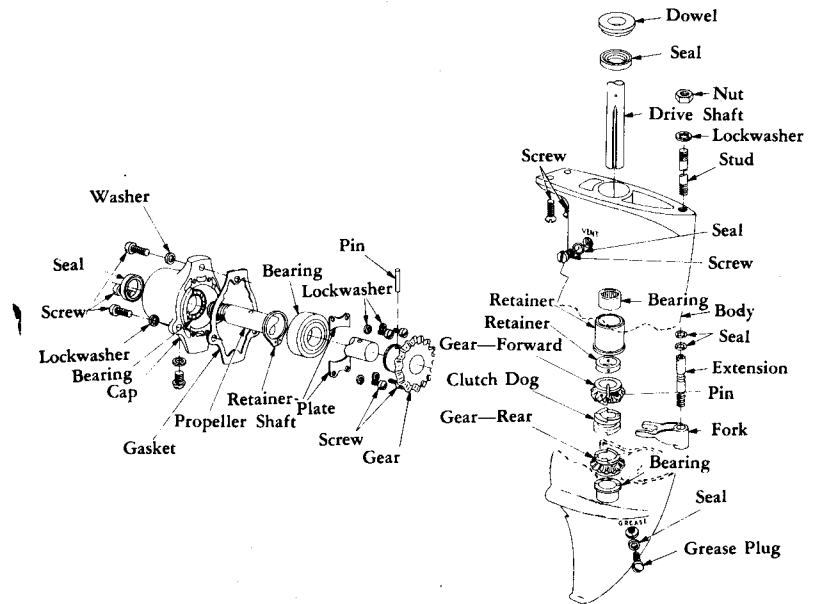


## '54 LOWER UNIT - 5 - 7 1/2 - 10 HP

A complete new and improved lower unit exists in the '54 models. The gear assembly is located vertically in the lower unit and assembled directly on the driveshaft. When disassembling and assembling, the following instructions should be closely followed. See also Sect. H, Page 6 Illustration.

### DISASSEMBLY

1. Let the grease drain from the lower unit while removing the lower motor casing. Remove the pumps as shown on Page H6.
2. With the shift handle in the forward position, remove the link pin from the shift rod link. Remove the cotter pin from the pivot shaft and slide the link to the side.
3. Loosen the reverse lock actuator screw. With a pliers, unscrew the shift rod and slide it out of the casing. This will also allow the reverse lock actuator to fall free.
4. Remove the nut and two screws attaching the lower unit to the lower motor casing and pull the two units apart.
5. With the prop off, remove the three cap screws and pull the cap assembly and prop shaft out. If it is necessary to replace parts within the cap assembly remove the plates on the back of the cap. If the prop shaft seal is removed, a new seal must be inserted.
6. The pinion gear is keyed to the prop shaft and can be removed by removing the lock ring and ball bearing then drive the pin out and slide the gear off the shaft.
7. Put the selector fork down into the reverse position. Push downward on the driveshaft until the retainer in top lower unit bearing is exposed and push the pin part way through the retainer and shaft. Rotate the shaft one-half a turn and pull the pin out. Remove the driveshaft and dowel.
8. The upper and lower bearings, the forward and reverse gears and the clutch dog can then be removed.
9. Insert a screw driver into the slot on the top of the shift rod extension and screw it upward and out. The selector fork is now free to be removed.

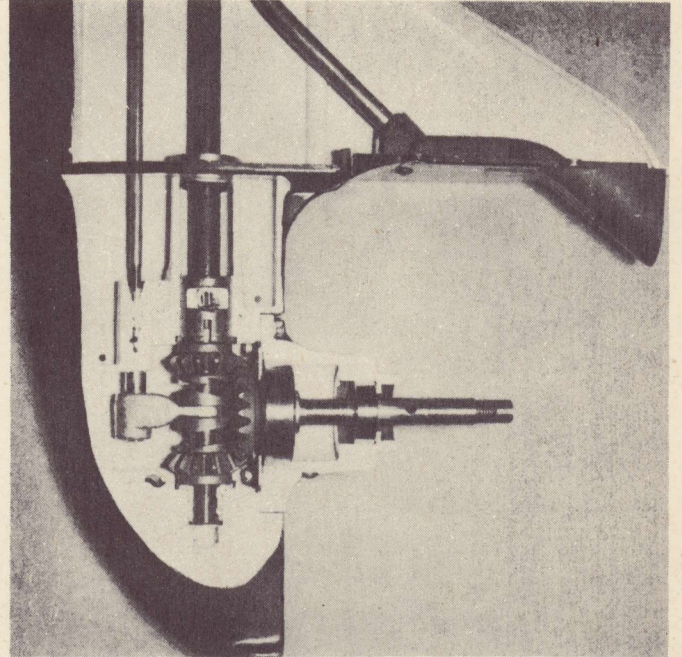


*Exploded View — Lower Unit*



## ASSEMBLY

1. Replace the selector fork and extension. The long side of the fork faces downward. New seal rings should be used on the extension.
2. Set the lower drive shaft bearing, (or bearing and thrust washer on the 10 HP Model) in place. Start the driveshaft in, assembling the upper bearing, (or bearing and bearing retainer used on 7 1/2 and 10 HP models), driveshaft retainer, forward gear, clutch dog and reverse gear in order. The top (Forward) gear is marked with a T. Push the driveshaft down, lining up the shaft retainer with the hole in the shaft and insert the pin.
3. Insert the shift rod, attaching the reverse lock actuator. Screw the rod into place. Check clutch for full travel and engagement with forward and reverse gears.
4. Coat both sides of lower unit cap gasket with a #2 permatex. Replace the cap and prop shaft assembly.
5. Slide the dowel over the driveshaft and seat in place. *Cutaway View — Lower Unit*
6. Fasten the lower unit onto the lower motor casing. Assemble the bailer and water pumps.
7. Assemble the shift actuator assembly. Check the shift handle for full travel.
8. Push the lower motor casing up into position on the powerhead. It may be necessary to rotate the flywheel a few degrees to engage the driveshaft in the crankcase.
9. Bolt the lower motor casing to the powerhead with the 10 screws.
10. Fill the lower unit with Universal Gear Lubricant SAE-90.



Field reports have indicated a few instances of grease leaks in the lower units of the '54 motors. On the 5 - 7 1/2 and 10 HP models, the leakage occurs around the cap gasket. To remedy this, remove the cap and apply #2 Permatex to the sealing surfaces of the cap and body.

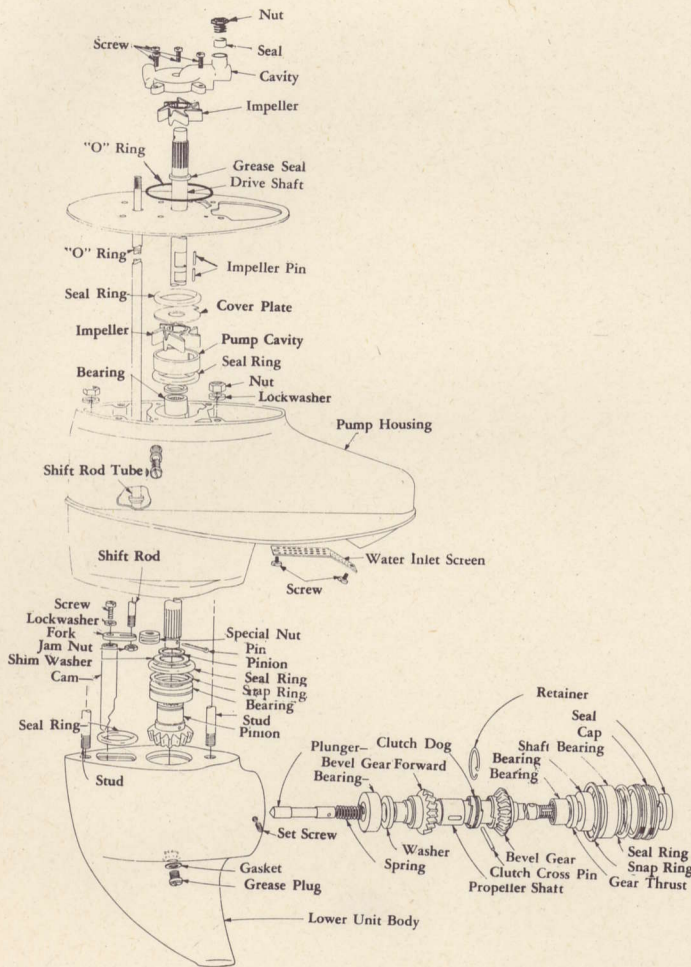
'55-'56 Lower units, 5 - 7 1/2 and 10 HP models are identical to those shown for '54. Possible signs of a grease leak around the propeller shaft can be remedied by placing one 3755-3126 seal ring behind the grease seal on the shaft.



## 16 HP LOWER UNIT - BAIL-A-MATIC

The 16 HP '54 lower unit is similar to that of the earlier models with the following exceptions. The addition of a bailer pump, plus a one piece pump housing which now replaces the pump housing, the anti-cavitation plate and the lower unit top section formerly used.

### DISASSEMBLY



*Exploded View 16 H. P. Lower Unit*

1. Remove the shift actuator assembly and the propeller as shown on page G-6C. Drain the lubricant from the lower unit. (It is not necessary to drain when working on the pumps only.) Remove the bailer fitting. Push the inlet line into the casing, clear of the hole.
2. Remove the four screws just above the pump housing and pull the lower unit off. Unscrew the compression fitting holding the bailer line to the cavity. Remove the water line and seal.
3. Loosen the four pump body screws and remove the bailer cavity, the impeller and the impeller drive pin. The splash plate can then be lifted off.
4. Remove the seal ring, the pump cover plate and the impeller drive pin can then be removed.
5. Pull the pump cavity out and remove the two seal rings.
6. With a 9/16" socket wrench remove the two nuts within the pump housing and lift the housing off the lower unit body. The upper driveshaft bearing is seated within the housing, but can be easily driven out if necessary.
7. Lift the driveshaft, pinion gear and bearing assembly out of the unit.
8. The drive selector cam and shift rod can now be removed if necessary.
9. To disassemble the lower unit gears and prop shaft refer to pages G-6C and G-6D, following steps 8 thru 14.



## ASSEMBLY

1. To assemble the lower unit gears and prop shaft refer to pages G-6d and G-6E, following steps 1 thru 7.
2. Place the drive shaft, pinion gear and bearing assembly in position and replace the seal ring.
3. Slide the drive selector cam into the lower unit and replace the seal ring. Screw the special nut all the way onto the shift rod and tighten in place with the second nut. Place the shift rod and special nut in position on the cam fork.
4. Bolt the pump housing onto the lower unit body, being sure the upper drive-shaft bearing, the upper and lower pump cavity seals and the shift rod seal are in place.
5. Insert the pump parts in the following order: pump cavity, drive pin, impeller, cover plate and seal ring.
6. Replace the splash plate and assemble the bailer pump. Slide the grease seal in place on the drive shaft.
7. Set the bailer inlet line in place in the bailer cavity and screw the compression fitting in tight. Place one "O" ring on the top end of the inlet line.
8. Push the lower unit up into position on the lower motor casing. If necessary, rotate the flywheel a few degrees to engage the driveshaft in the crankcase. With a long nose pliers, pull the bailer line through the hole in the casing. Place an "O" ring over the line and screw the bailer inlet fitting in place.
9. Bolt the lower unit in place with the four Bristol screws.
10. With the shift rod down in the reverse position and the shift handle forward, screw the shift connector on  $7 \frac{1}{2}$  turns. Then with the shift rod and the handle in neutral insert the actuator pin and cotter pin. Check the shift handle for full travel.
11. Fill the lower unit with Universal Gear Lubricant SAE-90 (EP).

Leakage of lubricant on the 16 HP models may appear around the seal ring in the shift selector cam cavity between the matching surfaces of the pump housing and the lower unit body. To correct this, coat all sealing and matching surfaces of the two castings with #2 Permatex. Also replace the seal ring if damage is apparent.

See "Things To Watch For" page G-6G.

### 16 HP LOWER UNIT - '55

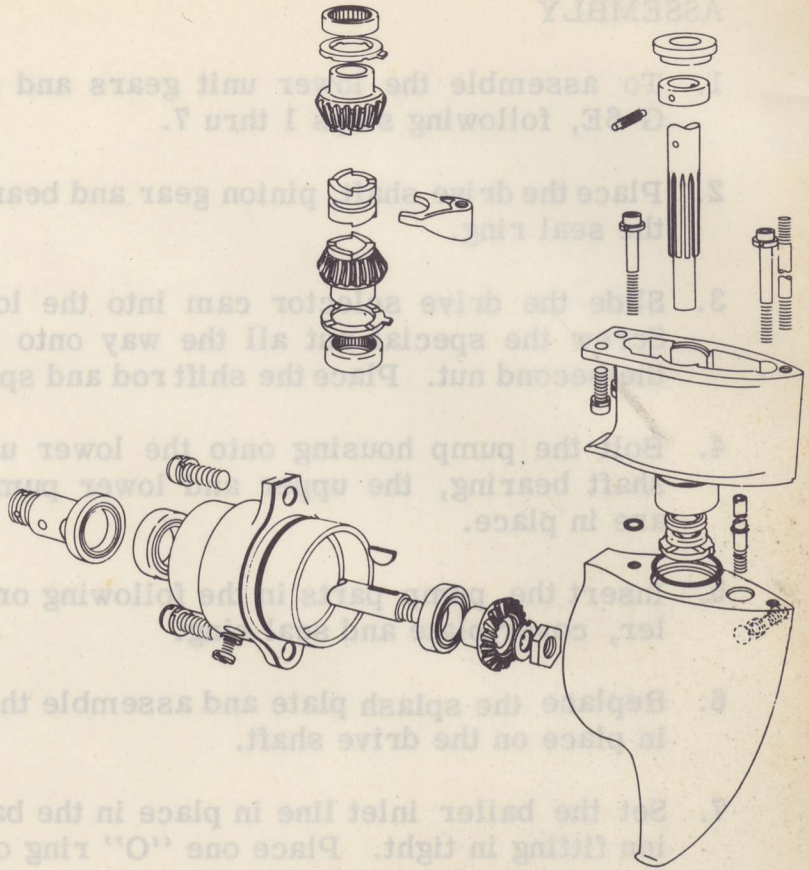
The '55 - 16 HP lower unit disassembles and assembles identical to the '54 model. The only difference being the exhaust valve on the '55 model.



## '56 - 16 HP LOWER UNIT

### DISASSEMBLY

1. Drain the grease and remove the propeller.
2. Remove the propeller shaft and cap assembly by turning and pulling. (DO NOT PRY IT OFF AS IT MAY BECOME MARRED OR THE EARS MIGHT BREAK.)
3. Remove the reverse lock, lower spring mount and the lower motor casing as described on page H-7B.
4. Secure the lower motor casing in vise or fixture.
5. Remove the shift actuator in the order shown on page H-7.
6. The pumps are removed as shown on page H-6. Leave the water pump cavity in place.
7. Unscrew shift rod from the shift fork. If you count the number of turns required it will facilitate assembly.
8. Remove the stud nut and two screws (adaptor to lower unit) and the assembly can be pulled off the lower motor casing.
9. The adaptor is separated from the lower unit by taking out the two screws and pulling on the drive-shaft.
10. To separate the driveshaft from the adaptor, remove the retaining ring from the drive-shaft through the adaptor. **CAUTION** - DO NOT SLIDE THE ADAPTOR OVER THE MILLED IMPELLER DRIVE SLOTS IN THE CRANKSHAFT. THEY WILL DAMAGE THE SEALS IN THE ADAPTOR.



### ASSEMBLY

1. Grease forward and reverse thrust washers and put in place.
2. Put forward and reverse gears in. They are marked T for top and R for reverse.
3. Screw shift rod extension into the selector fork.
4. Place clutch dog on the fork.
5. Grease and place driveshaft thrust washer in place in adaptor.
6. Insert lower end of driveshaft through adaptor. **CAUTION** - DO NOT SLIP ADAPTOR OVER MILLED IMPELLER DRIVE SLOTS IN DRIVESHAFT AS THE SEALS WILL BE DAMAGED.
7. Place retainer on the driveshaft and fasten.
8. Insert driveshaft into lower unit and put the cap assembly on.
9. Fasten adaptor to the lower unit. Be sure the adaptor screw seal ('O' ring) is in place.

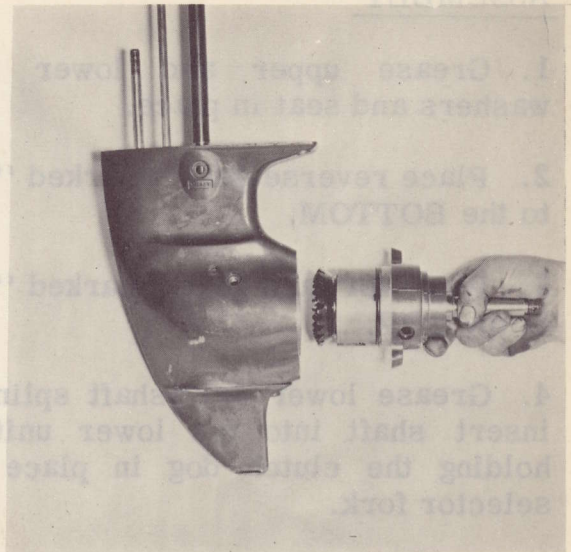


## 30 & 33 HP LOWER UNIT

This Lower Unit is simple in construction, with very few moving parts. When removing cap assembly only, it is necessary to first remove the drain screw in the cap. Remove the 2 cap mounting screws - Do not pry on the cap ears. Turn and pull simultaneously on the cap.

### DISASSEMBLY

1. Remove VENT and DRAIN screws - disconnect shift-rod coupling located above the lower springs.
2. Remove nut and lockwasher from the lower unit stud, and the 2 screws attaching lower unit to lower motor casing. To prevent driveshaft from coming out of the lower unit body, a 3655-5921 allen screw (see crankcase) may be inserted in the VENT hole and tightened against the driveshaft.
3. Rotate the flywheel 1 complete turn (clockwise). This lines up the impeller key with the key-way in the driveshaft (see illustration Sect. H-7C).
4. Pull the lower unit off.
5. Remove Cap assembly as shown in paragraph 1.
6. Remove the gears by simply pulling the driveshaft out.
7. To remove propeller shaft and gear\* from the cap, remove locking nut and gear, and press the shaft out.  
\* Motors below Serial No. 36553001 use a propeller shaft and gear assembly (2655-3137). Motors above Serial No. 36553000 use a separate propeller shaft (3645-3117) and gear (3645-3118).
8. The forward skeg screw is located within the body, and the rear screw is external.

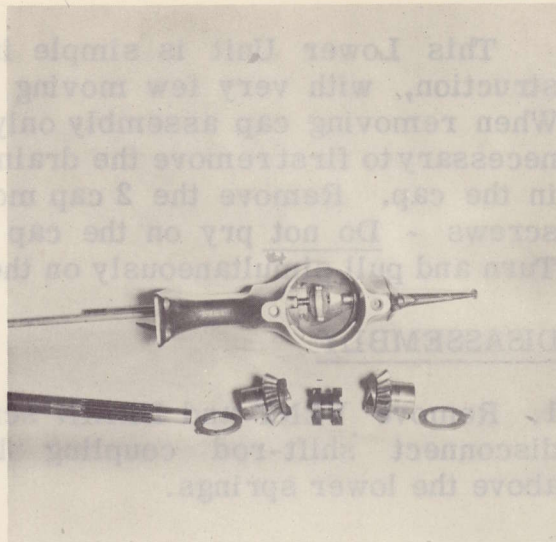


*Removing Cap Assembly*

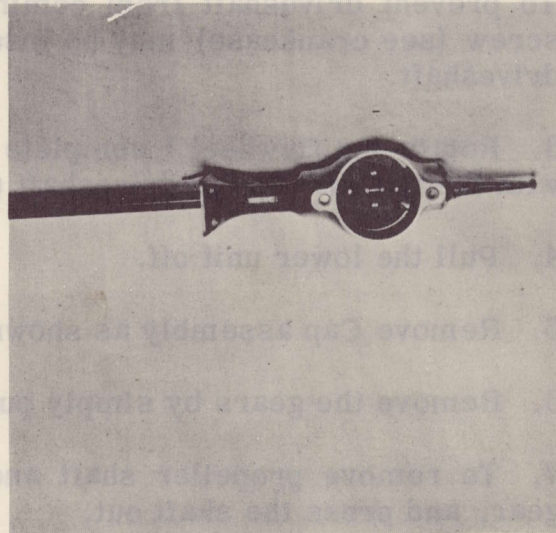


## ASSEMBLY

1. Grease upper and lower thrust-washers and seat in place.
2. Place reverse gear, marked "R" into the BOTTOM.
3. Place forward gear, marked "T" into the TOP.
4. Grease lower driveshaft spline, and insert shaft into the lower unit while holding the clutch dog in place on the selector fork.
5. Lubricate ground surfaces on the cap, and replace cap assembly.
6. Replace driveshaft seal & dowel.
7. Grease the upper driveshaft spline.
8. Bolt the lower unit in place on the lower motor casing, and connect shift-rod coupling.
9. Fill lower unit with Hypoid Universal Gear Lubricant SAE #90 (EP).



Lower Unit Gears



Gears Assembled on Driveshaft



## WATER PUMP

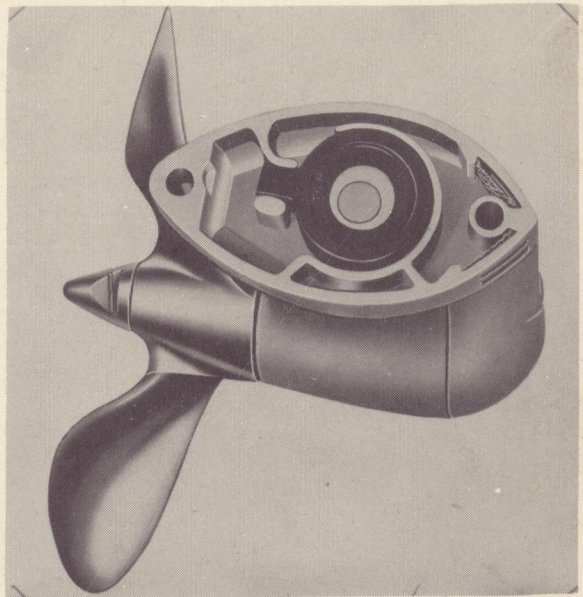
The water pump takes the water from the inlet just below the anti-cavitation plate, forces it up around the cylinder head jackets, down through the head and out behind the motor. The outlet is in the lower motor casing, just below the back of the rear skirt.

Check the water discharge when the motor is running. At high speed the water should be discharged in a steady stream. At idling speed the discharge will be broken up into a fine mist by the exhaust relief. The temperature of the water discharged should not be so hot that you can not hold your hand under it. If it is too hot, not enough water is being circulated, and the water pump and all water lines should be checked.

### '46 - '47 - '48 WATER PUMP

The water pump in both the single and the twin motors is identical. It is a simple type of positive displacement pump with a synthetic rubber impeller actuated by a bronze cam pressed onto the drive-shaft. Operation of the motor in water containing a great quantity of silt or sand will eventually result in enlarging the impeller cavity in the lower unit body, scoring of the anti-cavitation plate, and reduction in the size of the impeller. This wear causes an improper seal between the impeller and the cavity and loss of pumping ability.

The anti-cavitation plate can be replaced or the lower unit body itself can be replaced. Care should be taken when replacing these parts to be sure that the upper and lower pump cam thrust washers are in place. The anti-cavitation plate must be placed right side up against the lower motor casing or an offset in the inlet hole in the anti-cavitation plate will block water passage to the powerhead. The synthetic rubber impellers are tapered. The side marked "TOP" should be placed uppermost or closest to the powerhead.



1946 - '47 - '48 water pump.



## INSTALLING STAINLESS STEEL WATER PUMP CAVITY

If the water pump has been worn because of operation in water containing silt or sand, it is advisable to install a stainless steel water pump cavity. You can get the complete kit for this installation by ordering Part No. 480-5111 - Water Pump Repair Kit.

Disassemble the lower unit according to instructions given for 1946-47-48 models. Try the cup for fit in the casting. It may be necessary to file down the tab, as shown in the diagram, so that it will fit the projection in the casting. The cup must fit into the housing so that it is flush across the top.

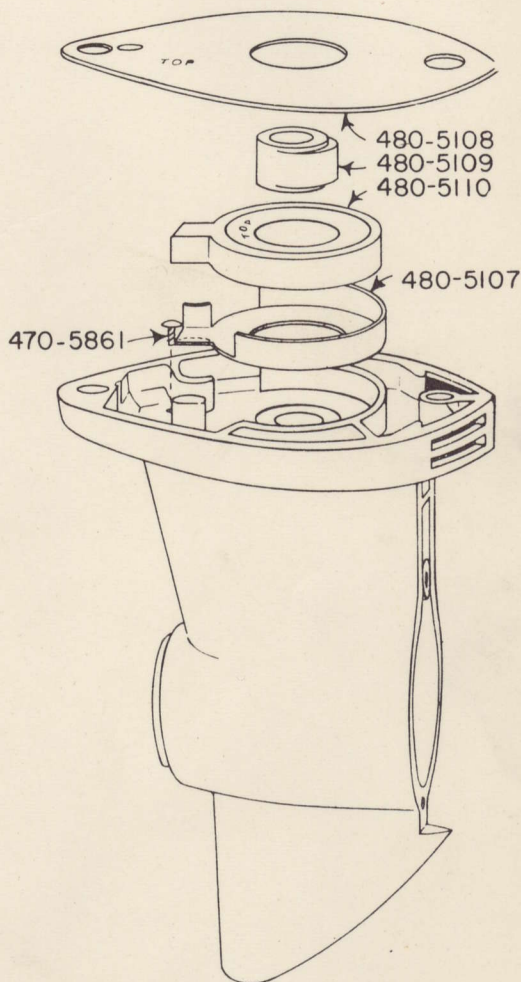
Seal all surfaces of the replacement cup to the casting with Duco household cement. Drill  $1/16''$  hole at the edge of the cup and screw in the drive screw to prevent lateral movement of the cup. It may be necessary to trim the bottom of the rotor so that it will clear the drive screw.

Remove the old cam from the driveshaft and press on the new cam so that the distance from the bottom of the cam to the bottom of the driveshaft is  $3-7/32''$  for the single or  $3-5/32''$  for the twin.

The 1948 model anti-cavitation plate must be used with this installation. Anti-cavitation plates of '46 and '47 models must be replaced with Part No. 480-3125 for the singles, and Part No. 483-3125 for the twins. Thrust washers standard on '46 and '47 models are not used. The stainless steel cover must be placed so that the side marked "TOP" faces upward.

Follow instructions given previously when reassembling the lower unit and installing it on the lower motor casing.

WATER PUMP REPAIR KIT 480-5111

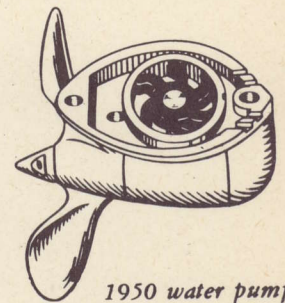




## SHIFT MODEL WATER PUMP

The water pump is a positive rotary vane type impeller made of special synthetic rubber, which rotates in a stainless steel cavity. Both the impeller and the cavity are replaceable, but this is seldom necessary. Operation in even the most sandy water will not appreciably wear down the cavity.

When installing a new impeller, make sure that it does not bind over the pump pin on the driveshaft. If the impeller binds, the edges of the pump pin should be filed slightly to allow the pump to float on the shaft. The lower pump seal should be replaced when installing a new cavity and the cavity should be held in place with Duco cement.



1950 water pump.

## IMPELLERS

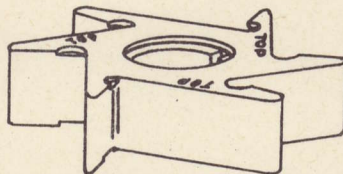
The impellers illustrated below are of the latest design and development. The rugged neoprene construction provides greater flexibility and less drag, with efficient cooling and bailing at all speeds, in or out of gear. The word TOP appears on the impeller, thus care should be taken to see that it is properly installed.



493-5100

Model

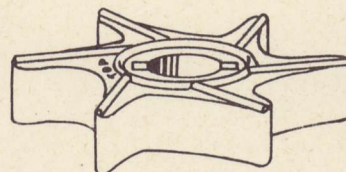
491	511
493	513
497	517
501	3325
503	3725
507	3335
	3735



509-5100

Model

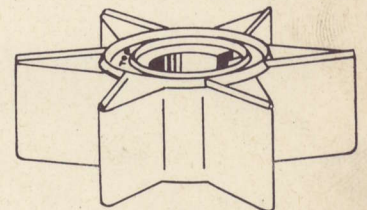
509
519
3925
3935
3945



2945-5100

Model

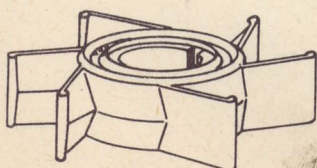
\*\*3945



3745-5100

Model

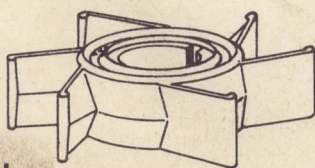
518
3825
3835
*3345
*3745
*3845



3965-5100

Model

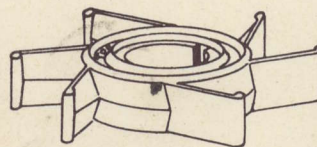
\*3965



3755-5100

Model

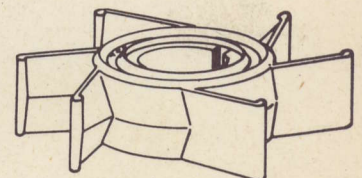
*3355	*3365
*3755	*3765
*3855	*3865



3955-5100

Model

\*\*3955



3645-5100

Model

*3655
*3665

\* Water and Bailer Pump

\*\* Bailer Pump Only

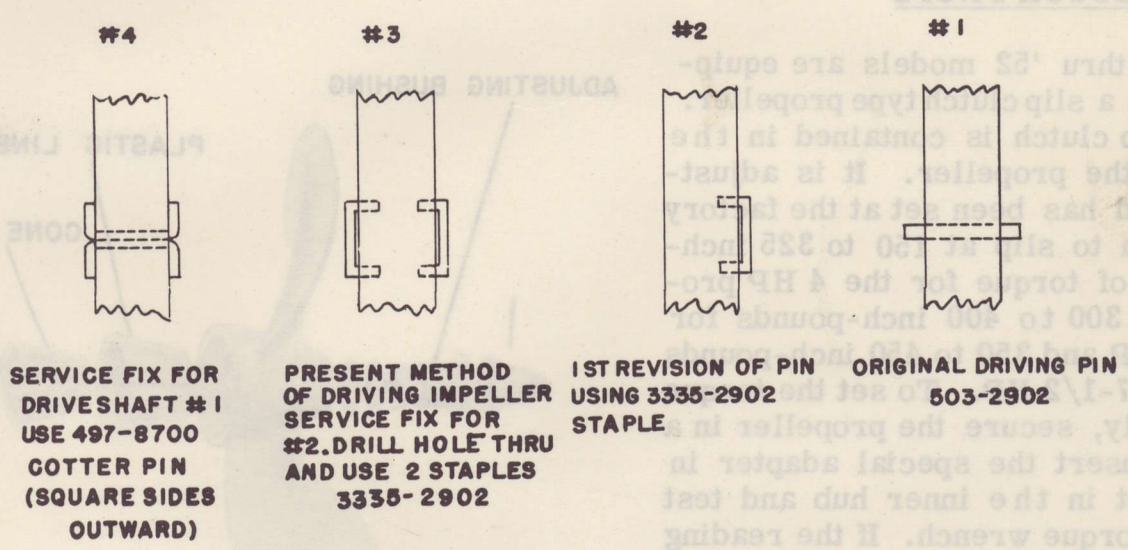


# IMPELLER DRIVE MODIFICATION 493-5100

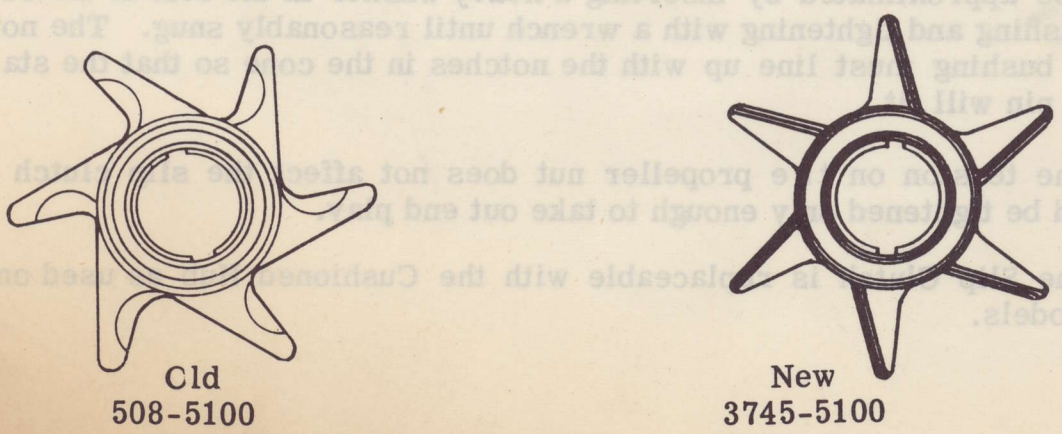
Field reports indicate that some trouble is being experienced with 493-5100 impeller, having a cast in nylon bushing. Whenever this impeller is installed on driveshaft number 1, always use the method shown in number 4 to drive the impeller. Be sure the cotter key, 497-8700, is cut short enough so it does not cut into the water pump cover plate or pump cavity when assembled.

On driveshafts number 2, the two small holes for the driving staple should be drilled all the way through and two staples, 3335-2902, used to drive impeller as shown in number 3. (Use 1/16" diameter drill.)

Not all of the trouble is due to the method of driving the impeller, however. Some impellers are too thick and some pump cavities are too shallow to permit free rotating of the impeller in the assembly. This can usually be determined by examination of used impeller. If impeller is scored or burned on faces, probably impeller or cavity or both require replacement. Correction as shown in drawing should correct the trouble in 99% of the cases.



Impeller 508-5100 contains a cast in nylon bushing. However, this has become obsolete and should be replaced by impeller 3745-5100, or the impeller as shown to use in the parts price list.





## PROPELLER

The standard propeller furnished with each motor is designed to give good all around performance on the type of boat on which the motor will generally be used. If the customer questions you about other available props, consult Section A - Propeller Choice.

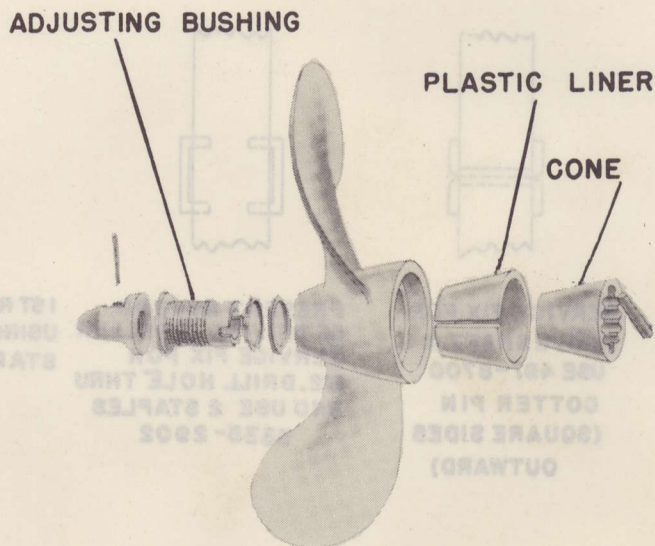
Check the propeller on all motors that are serviced. Hammer out all irregularities caused by hitting under water objects and smooth out the leading edges.

### '46 - '47 - '48 STANDARD PROPS

The propeller supplied with '46, '47 and '48 motors is the standard type with a brass shear pin for protection. Check the propeller and shear pin. The prop nut should be tightened only enough to take out end play.

### SLIP CLUTCH PROPS

'49 thru '52 models are equipped with a slip clutch type propeller. The slip clutch is contained in the hub of the propeller. It is adjustable and has been set at the factory to begin to slip at 150 to 325 inch-pounds of torque for the 4 HP propeller, 300 to 400 inch-pounds for the 5 HP and 350 to 450 inch-pounds for the 7-1/2 HP. To set the torque correctly, secure the propeller in a vice, insert the special adapter in the slot in the inner hub and test with a torque wrench. If the reading is not within the recommended limits, tighten or loosen the inner bushing one notch and test again. The setting is not critical. If the proper tools are not available, the setting may be approximated by inserting a heavy washer in the slot in the outside end of the bushing and tightening with a wrench until reasonably snug. The notches in the inner bushing must line up with the notches in the cone so that the stainless steel shear pin will fit.



**SLIP CLUTCH**

The tension on the propeller nut does not affect the slip clutch setting and should be tightened only enough to take out end play.

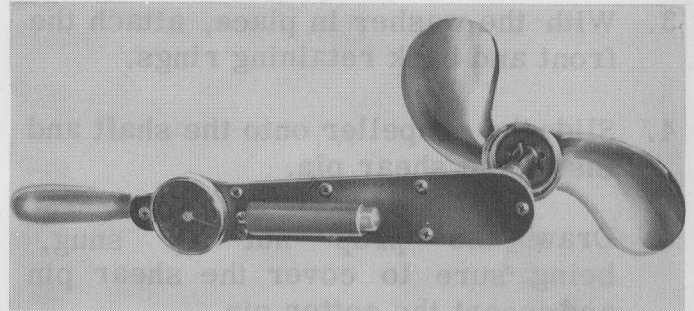
The Slip Clutch is replaceable with the Cushioned Hub as used on the '53 and '54 models.



The standard type of propeller used on non-shift models can be replaced with a slip clutch prop. Use propeller No. 480-3141 on the singles and 483-3141 on the 7 1/2 HP twins.

The following table gives the correct torque settings for each propeller. Note that the setting for non-shift models is less than for shift models of the same size. This is because reversing direction tends to work the prop clutch loose, necessitating a tight setting.

	Non-Shift Models	Shift Models
	inch pounds	inch pounds
Prop for 3.6 HP	125-300	
Prop for 4 HP	150-325	250-350
Prop for 5 HP		300-400
Prop for 7 1/2 HP	225-325	350-450
Prop for 10HP		350-450

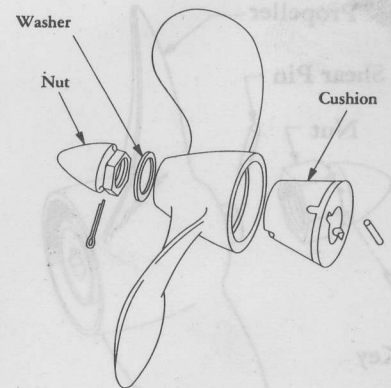


Testing Slip clutch with torque wrench A48-618 Adapter.

If a clutch has been slipping a lot, the plastic liner may be worn to the point where it is difficult to maintain a setting. Replace the liner and be sure the seating surfaces are clean of grease and dirt. If clutch has been tightened too tightly, the plastic resilient washer and the spring washer may need replacing.

### CUSHIONED HUB PROPS

'53 and later models possess a cushioned hub propeller. This is done with a special rubber cushion within the hub which absorbs the shock and protects the shear pin if you strike an underwater obstruction. The cushion when fit into the hub, engages a protrusion in the back of the hub and the shear pin in the forward part. Slide the prop onto the shaft and put the washer in place. Draw the prop nut up finger tight, then add one complete turn and insert the cotter pin.



### CAUTION - RIGHT AND LEFT HAND PROPS ARE NOT INTERCHANGEABLE

All Models previous to '54 use RIGHT hand turning propellers. The 5 - 7 1/2 and 10 HP motors of '54 use LEFT hand turning props.

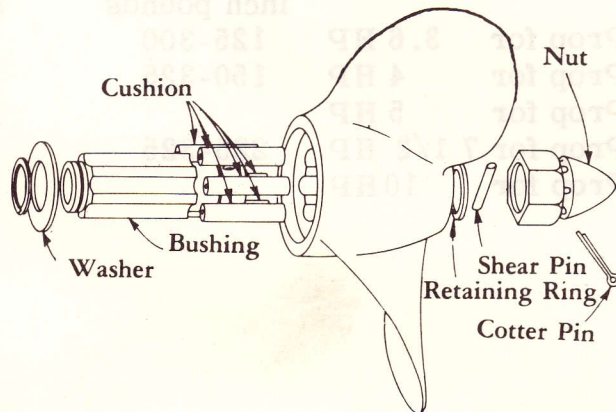


## SHOCK ABSORBER PROPS

The 16 HP motor is equipped with a shock absorber built into the hub of the prop. Six synthetic solid rubber cushions arranged around the shaft transmit power to the propeller as well as take up shock when an obstruction is hit. This unit is not intended to slip, however, it will reduce shearing pins to a minimum.

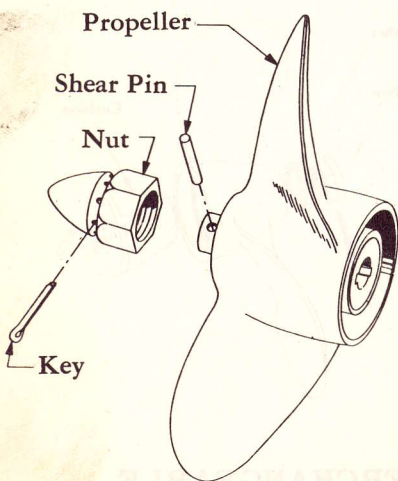
### ASSEMBLE

1. Place the 6 cushions in the hub. Wetting the cushions in water will greatly aid in assembling.
2. Insert the prop bushing.
3. With the washer in place, attach the front and back retaining rings.
4. Slide the propeller onto the shaft and insert the shear pin.
5. Draw the prop nut up snug, being sure to cover the shear pin and insert the cotter pin.



Propeller 16 H. P.

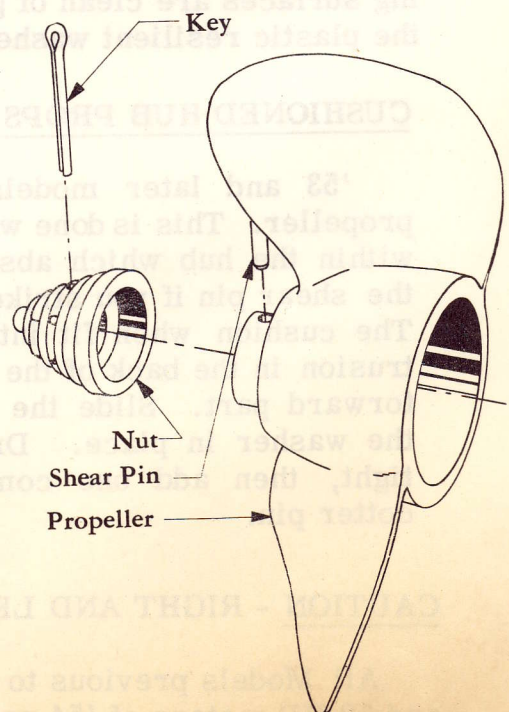
The cushions used on the early 509's were hollow. This would sometimes allow the prop to slip at high speed. If the propeller slips or if you have occasion to remove it from the shaft, the solid rubber cushions should be used in reassembling.



16 HP—1955

16 and 30 HP propellers for '55 are equipped with built in cushioned hubs. These hubs are pressed in and are replaced only with complete propeller assembly.

To change broken shear pin, simply remove the cotter key and propeller nut. Insert new shear pin. Replace nut and cotter key.



30 HP—1955



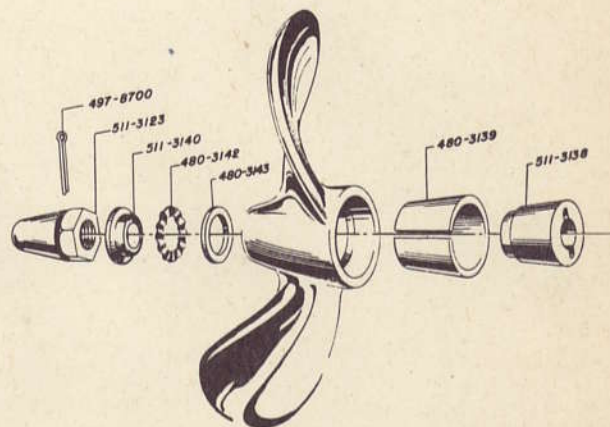
## SALT WATER SLIP CLUTCH PROPELLER

Corrosion of the steel bushing in the standard slip clutch propeller may give trouble in salt water areas. Either the slip clutch will freeze solidly, or will slip too easily and adjustment can not be made satisfactorily. To eliminate this problem replace the standard slip clutch with the Salt Water Replacement Kit, Part No. 511-3202.

This improved slip clutch is adjusted by tightening up the prop nut just enough to prevent slippage at high speed. The cone in the hub of the prop is made of treated aluminum and will not readily corrode. This type of slip clutch is standard on late 1952 models.

If the owner does not remove the old style slip clutch prop and grease the shaft occasionally, the steel bushing may freeze to the prop shaft. Should all normal attempts to remove the prop fail, saw the shoulder off the steel bushing just back of the prop nut, and pull the main part of the prop off the cone. Then lay the assembly on an anvil and jar the bushing loose with a hammer. Be careful not to damage the prop shaft or the bearings in the lower unit.

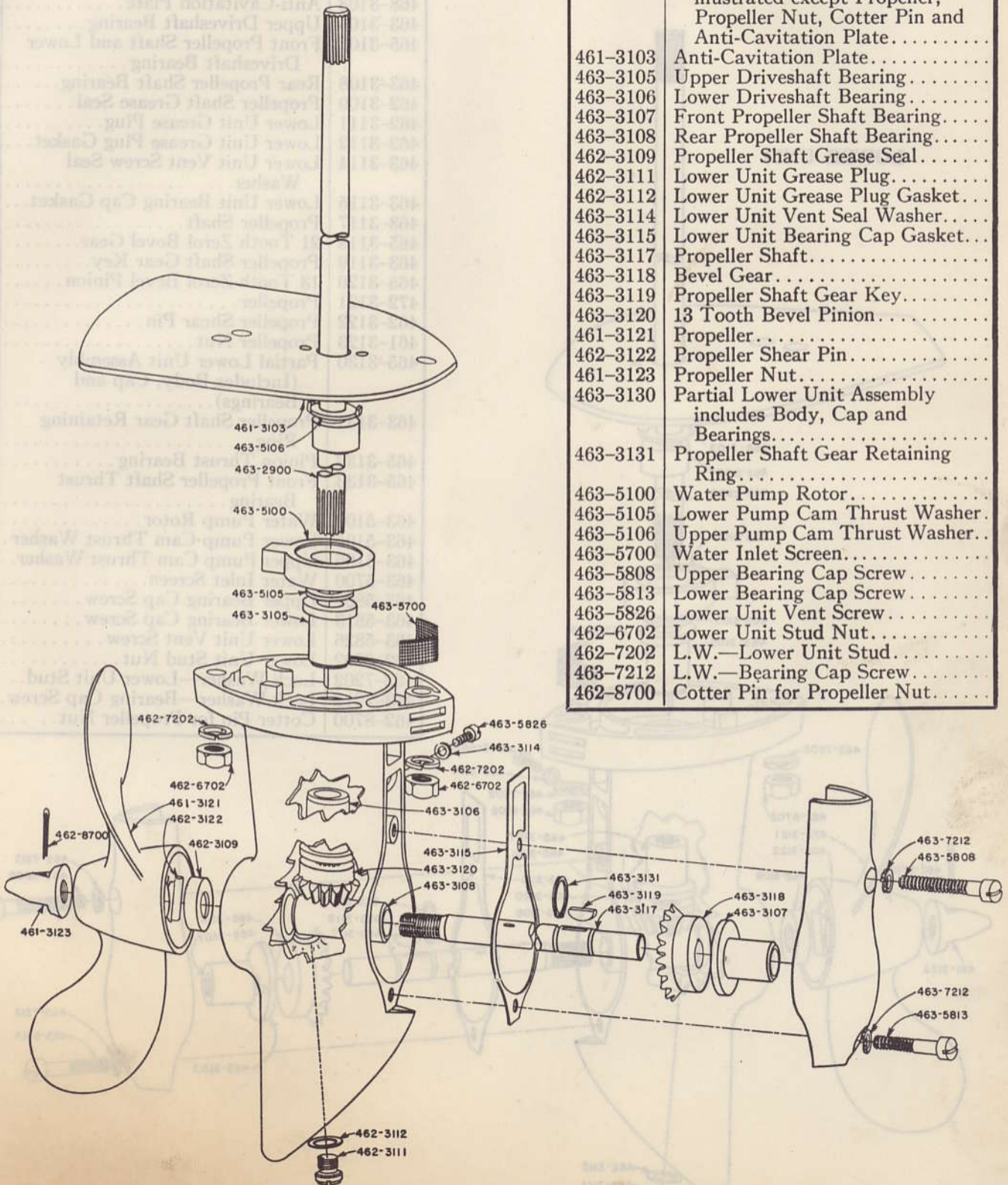
Replace the slip clutch parts according to the above diagram and install the propeller on the motor. Screw the prop nut on finger tight then tighten about 1 1/2 turns. If the prop slips at high speed, tighten the prop nut enough to prevent slippage. Be sure to use the new brass prop nut (511-3123) with 6 cotter pin holes so that proper adjustment can be made.



*Salt Water Slip Clutch  
Replacement Kit*



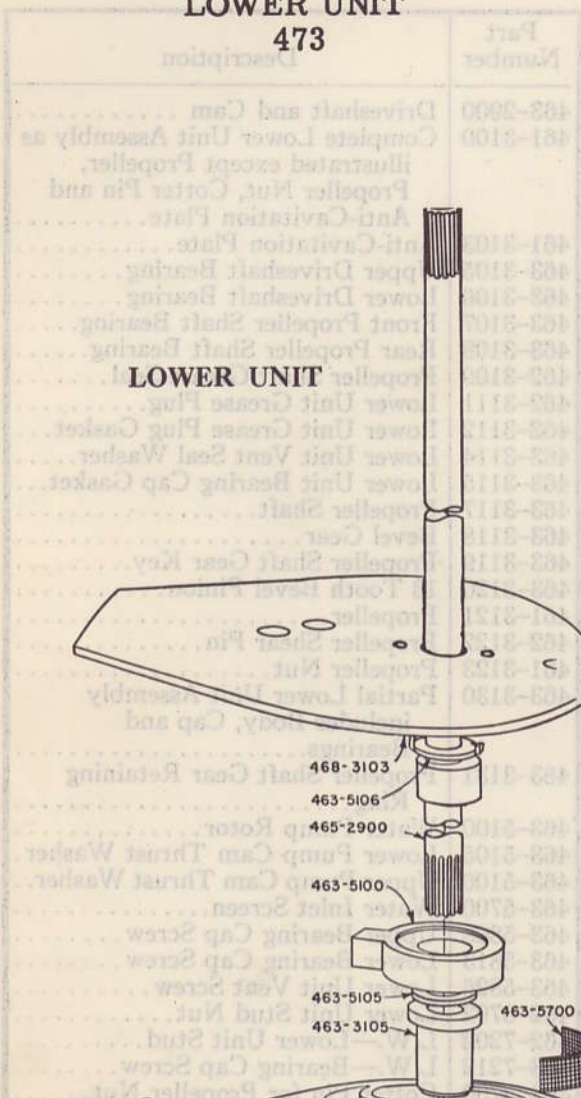
**LOWER UNIT**  
**461 - 467 - 470 - 471**



Part Number	Description
463-2900	Driveshaft and Cam .....
461-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate.....
461-3103	Anti-Cavitation Plate.....
463-3105	Upper Driveshaft Bearing.....
463-3106	Lower Driveshaft Bearing.....
463-3107	Front Propeller Shaft Bearing.....
463-3108	Rear Propeller Shaft Bearing.....
462-3109	Propeller Shaft Grease Seal.....
462-3111	Lower Unit Grease Plug.....
462-3112	Lower Unit Grease Plug Gasket...
463-3114	Lower Unit Vent Seal Washer.....
463-3115	Lower Unit Bearing Cap Gasket...
463-3117	Propeller Shaft.....
463-3118	Bevel Gear.....
463-3119	Propeller Shaft Gear Key.....
463-3120	13 Tooth Bevel Pinion.....
461-3121	Propeller.....
462-3122	Propeller Shear Pin.....
461-3123	Propeller Nut.....
463-3130	Partial Lower Unit Assembly includes Body, Cap and Bearings.....
463-3131	Propeller Shaft Gear Retaining Ring.....
463-5100	Water Pump Rotor.....
463-5105	Lower Pump Cam Thrust Washer..
463-5106	Upper Pump Cam Thrust Washer..
463-5700	Water Inlet Screen.....
463-5808	Upper Bearing Cap Screw.....
463-5813	Lower Bearing Cap Screw.....
463-5826	Lower Unit Vent Screw.....
462-6702	Lower Unit Stud Nut.....
462-7202	L.W.—Lower Unit Stud.....
463-7212	L.W.—Bearing Cap Screw.....
462-8700	Cotter Pin for Propeller Nut.....



**LOWER UNIT  
473**

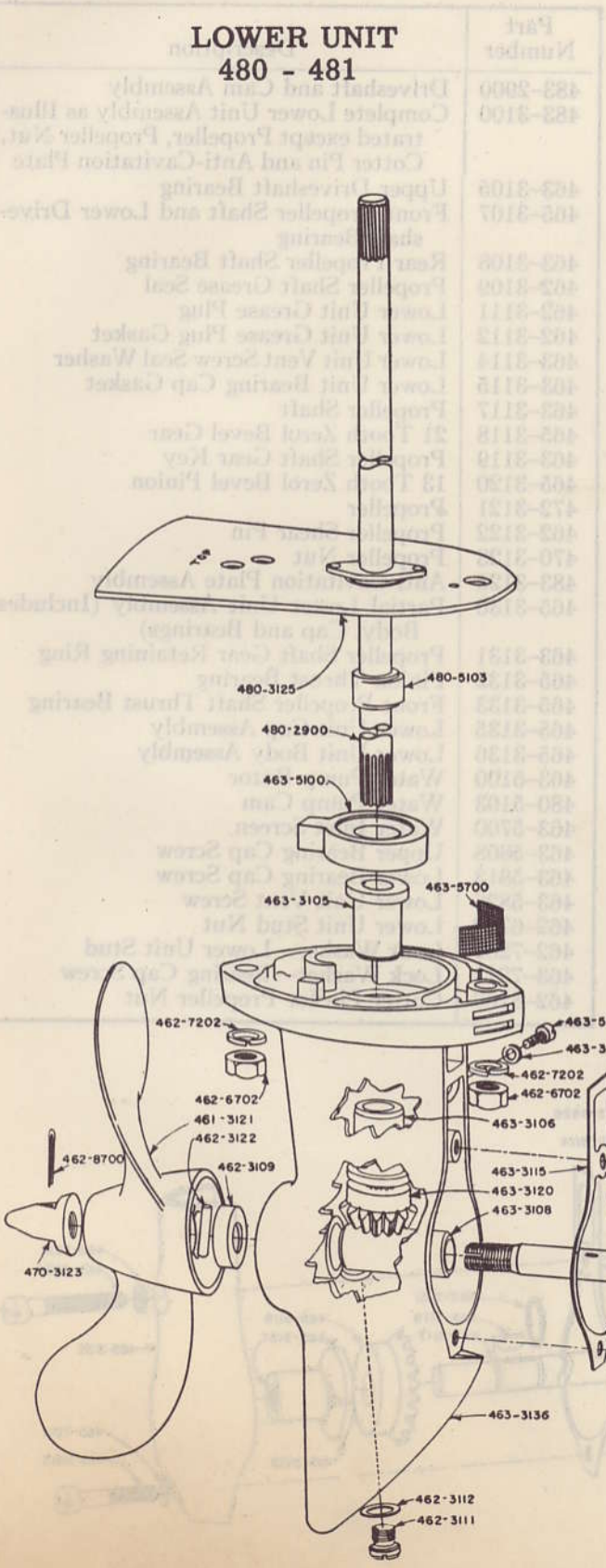


Part Number	Description
465-2900	Driveshaft and Cam Assembly . . . . .
465-3100	Complete Lower Unit Assembly as Illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate . . . . .
468-3103	Anti-Cavitation Plate . . . . .
463-3105	Upper Driveshaft Bearing . . . . .
465-3107	Front Propeller Shaft and Lower Driveshaft Bearing . . . . .
463-3108	Rear Propeller Shaft Bearing . . . . .
462-3109	Propeller Shaft Grease Seal . . . . .
462-3111	Lower Unit Grease Plug . . . . .
462-3112	Lower Unit Grease Plug Gasket . . . . .
463-3114	Lower Unit Vent Screw Seal Washer . . . . .
463-3115	Lower Unit Bearing Cap Gasket . . . . .
463-3117	Propeller Shaft . . . . .
465-3118	21 Tooth Zerol Bevel Gear . . . . .
463-3119	Propeller Shaft Gear Key . . . . .
465-3120	13 Tooth Zerol Bevel Pinion . . . . .
472-3121	Propeller . . . . .
462-3122	Propeller Shear Pin . . . . .
461-3123	Propeller Nut . . . . .
465-3130	Partial Lower Unit Assembly (Includes Body, Cap and Bearings) . . . . .
463-3131	Propeller Shaft Gear Retaining Ring . . . . .
465-3132	Pinion Thrust Bearing . . . . .
465-3133	Front Propeller Shaft Thrust Bearing . . . . .
463-5100	Water Pump Rotor . . . . .
463-5105	Lower Pump Cam Thrust Washer . . . . .
463-5106	Upper Pump Cam Thrust Washer . . . . .
463-5700	Water Inlet Screen . . . . .
463-5808	Upper Bearing Cap Screw . . . . .
463-5813	Lower Bearing Cap Screw . . . . .
463-5826	Lower Unit Vent Screw . . . . .
462-6702	Lower Unit Stud Nut . . . . .
462-7202	Lock Washer—Lower Unit Stud . . . . .
463-7212	Lock Washer—Bearing Cap Screw . . . . .
462-8700	Cotter Pin for Propeller Nut . . . . .



**LOWER UNIT  
480 - 481**

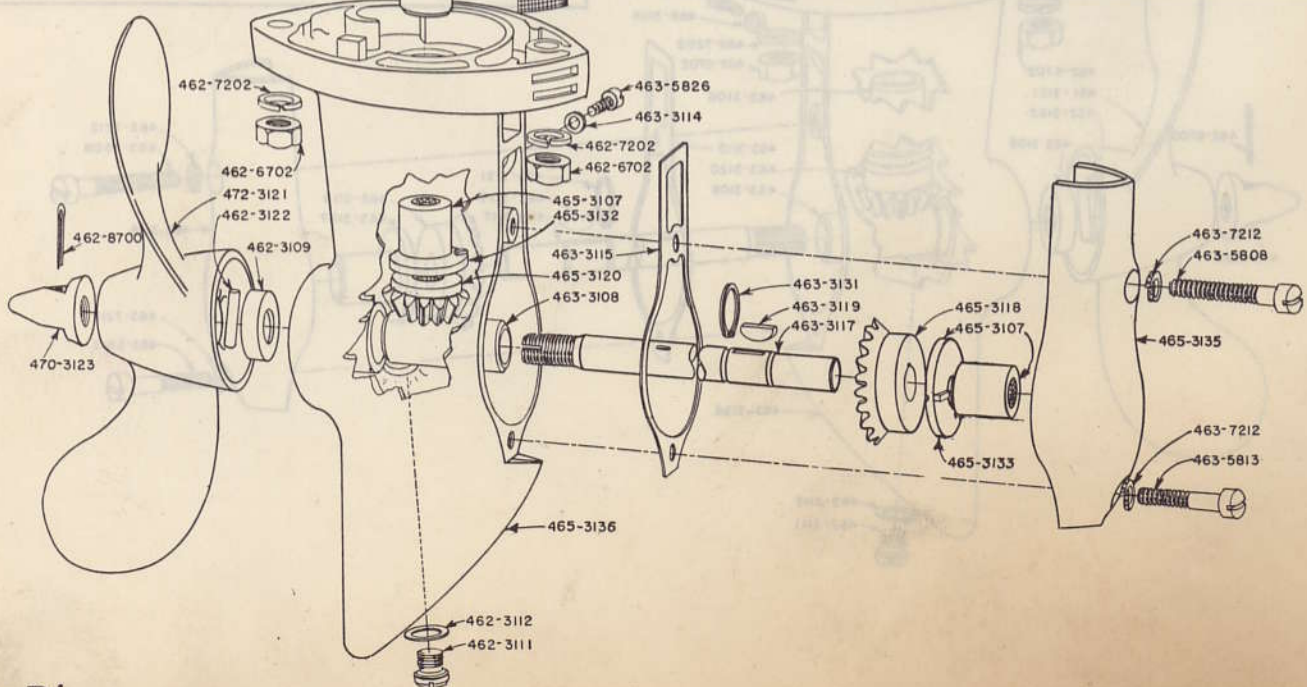
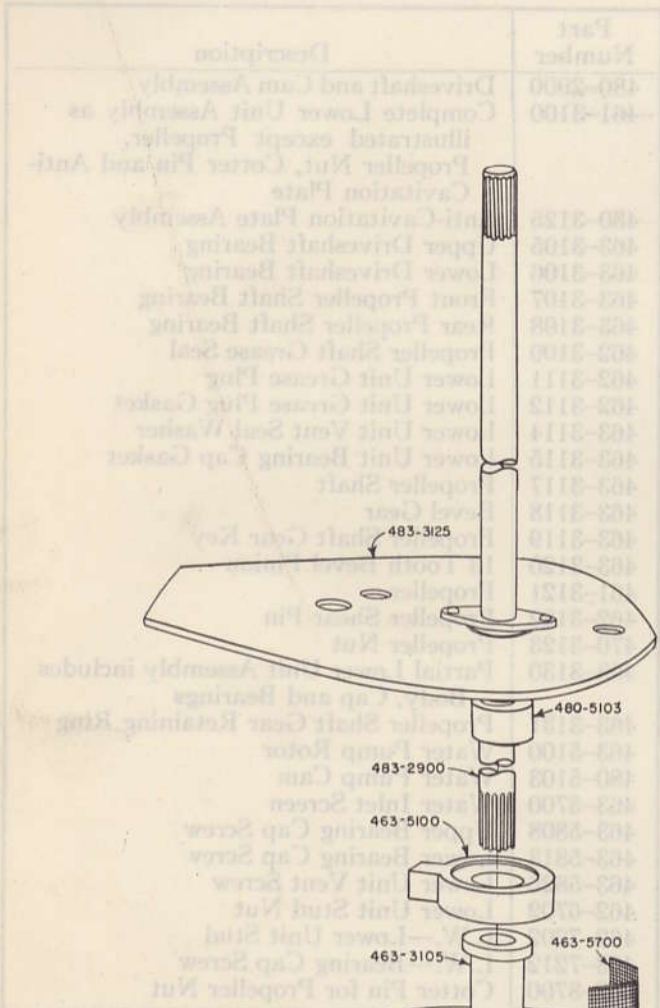
**LOWER UNIT  
483**



Part Number	Description
480-2900	Driveshaft and Cam Assembly
461-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
480-3125	Anti-Cavitation Plate Assembly
463-3105	Upper Driveshaft Bearing
463-3106	Lower Driveshaft Bearing
463-3107	Front Propeller Shaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
462-3112	Lower Unit Grease Plug Gasket
463-3114	Lower Unit Vent Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
463-3118	Bevel Gear
463-3119	Propeller Shaft Gear Key
463-3120	13 Tooth Bevel Pinion
461-3121	Propeller
462-3122	Propeller Shear Pin
470-3123	Propeller Nut
463-3130	Partial Lower Unit Assembly includes Body, Cap and Bearings
463-3131	Propeller Shaft Gear Retaining Ring
463-5100	Water Pump Rotor
480-5103	Water Pump Cam
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	L.W.—Lower Unit Stud
463-7212	L.W.—Bearing Cap Screw
462-8700	Cotter Pin for Propeller Nut



**LOWER UNIT  
483**



Part Number	Description
483-2900	Driveshaft and Cam Assembly
483-3100	Complete Lower Unit Assembly as Illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
463-3105	Upper Driveshaft Bearing
465-3107	Front Propeller Shaft and Lower Driveshaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
462-3112	Lower Unit Grease Plug Gasket
463-3114	Lower Unit Vent Screw Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
465-3118	21 Tooth Zerol Bevel Gear
463-3119	Propeller Shaft Gear Key
465-3120	13 Tooth Zerol Bevel Pinion
472-3121	Propeller
462-3122	Propeller Shear Pin
470-3123	Propeller Nut
483-3125	Anti-Cavitation Plate Assembly
465-3130	Partial Lower Unit Assembly (Includes Body, Cap and Bearings)
463-3131	Propeller Shaft Gear Retaining Ring
465-3132	Pinion Thrust Bearing
465-3133	Front Propeller Shaft Thrust Bearing
465-3135	Lower Unit Cap Assembly
465-3136	Lower Unit Body Assembly
463-5100	Water Pump Rotor
480-5103	Water Pump Cam
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	Lock Washer—Lower Unit Stud
463-7212	Lock Washer—Bearing Cap Screw
462-8700	Cotter Pin for Propeller Nut



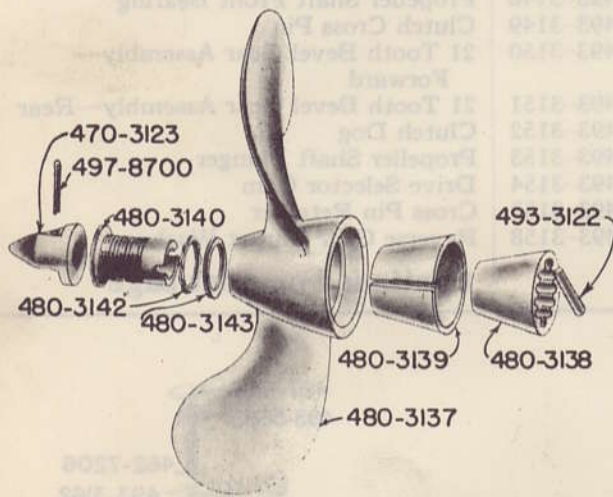




## LOWER UNIT—Continued

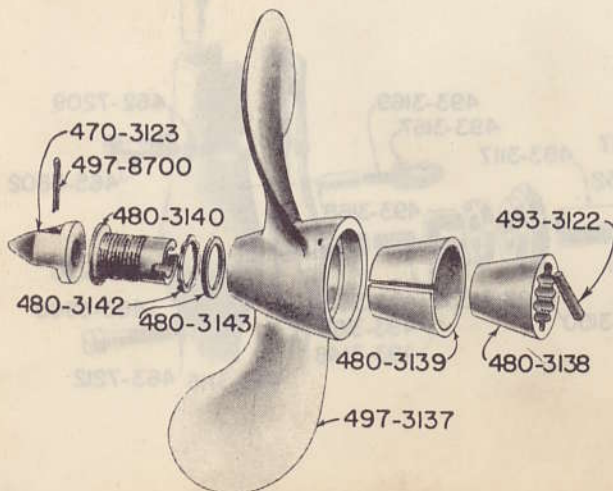
Part Number	Description	Part Number	Description
493-3160	Prop Shaft Rear Bearing	493-3173	Propeller Shaft Assembly
493-3161	Special Nut—Drive Selector Cam	493-5100	Water Pump Impeller
493-3162	Drive Selector Cam Fork	493-5107	Pump Cavity
*493-3165	Plunger Spring	493-5108	Pump Cover Plate
497-3166	Expansion Plug	493-5112	Lower Pump Seal
493-3167	Cam Detent Retainer	465-5802	Upper Bearing Cap Screw
493-3168	Cam Detent	463-5808	Lower Bearing Cap Screw
493-3169	Cam Detent Spring	463-5826	Vent Screw
493-3170	Anti-Cavitation Plate Grommet	493-5883	Drive Selector Cam Screw
493-3171	Pinion Pin	462-6702	Lower Unit Stud Nut
493-3172	Pinion Pin Retainer	462-7202	Lower Unit Stud Lockwasher
		462-7206	Drive Selector Cam Lockwasher
		462-7209	Upper Bearing Cap Lockwasher
		463-7212	Lower Bearing Cap Lockwasher

\*Included with 493-3173 Propeller Shaft Assembly



### PROPELLER - 491

Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
480-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
480-3141	Propeller Assembly (includes 480-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

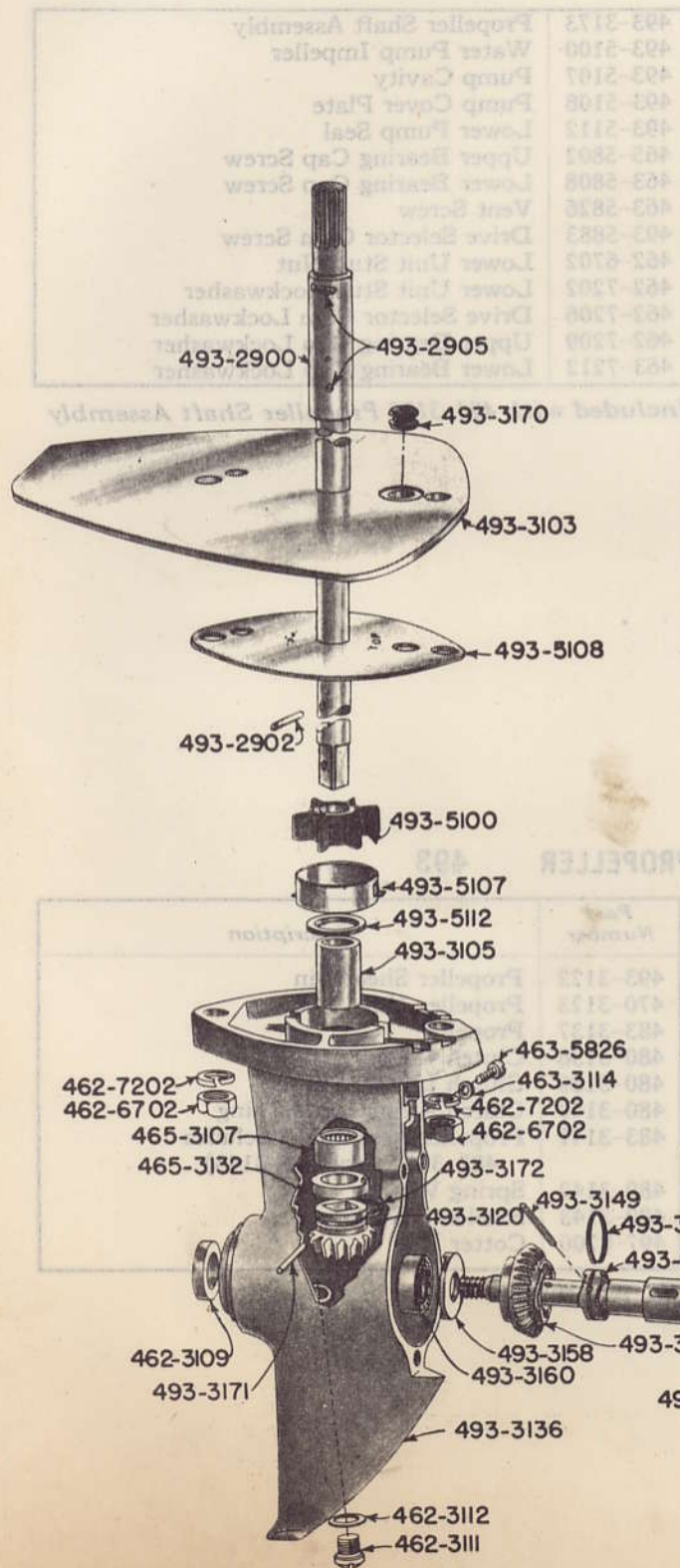


### PROPELLER - 497

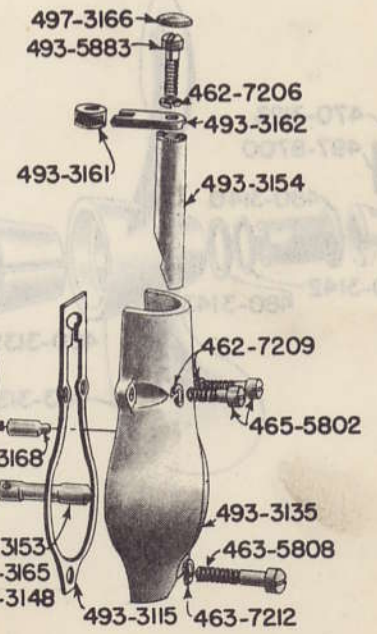
Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
497-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
497-3141	Propeller Assembly (includes 497-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin



# LOWER UNIT 493



Part Number	Description
493-2900	Driveshaft Assembly
493-2902	Driveshaft Pump Pin
493-2905	Driveshaft Pin
493-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
493-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
493-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
493-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
493-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
493-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front Bearing
*493-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*493-3157	Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer



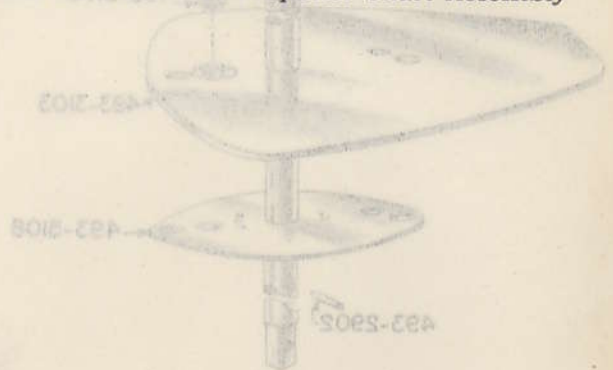


LOWER UNIT  
493

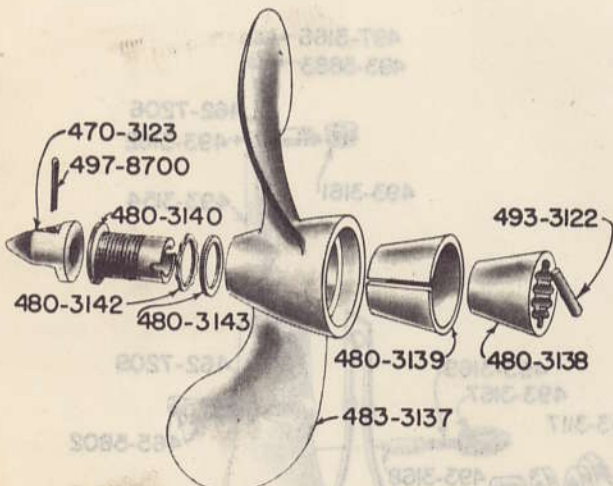
LOWER UNIT—Continued

Part Number	Description	Part Number	Description
493-3160	Prop Shaft Rear Bearing	493-3173	Propeller Shaft Assembly
493-3161	Special Nut—Drive Selector Cam	493-5100	Water Pump Impeller
493-3162	Drive Selector Cam Fork	493-5107	Pump Cavity
*493-3165	Plunger Spring	493-5108	Pump Cover Plate
497-3166	Expansion Plug	493-5112	Lower Pump Seal
493-3167	Cam Detent Retainer	465-5802	Upper Bearing Cap Screw
493-3168	Cam Detent	463-5808	Lower Bearing Cap Screw
493-3169	Cam Detent Spring	463-5826	Vent Screw
493-3170	Anti-Cavitation Plate Grommet	493-5883	Drive Selector Cam Screw
493-3171	Pinion Pin	462-7202	Lower Unit Stud Nut
493-3172	Pinion Pin Retainer	462-7202	Lower Unit Stud Lockwasher
		462-7206	Drive Selector Cam Lockwasher
		462-7209	Upper Bearing Cap Lockwasher
		463-7212	Lower Bearing Cap Lockwasher

\*Included with 493-3173 Propeller Shaft Assembly



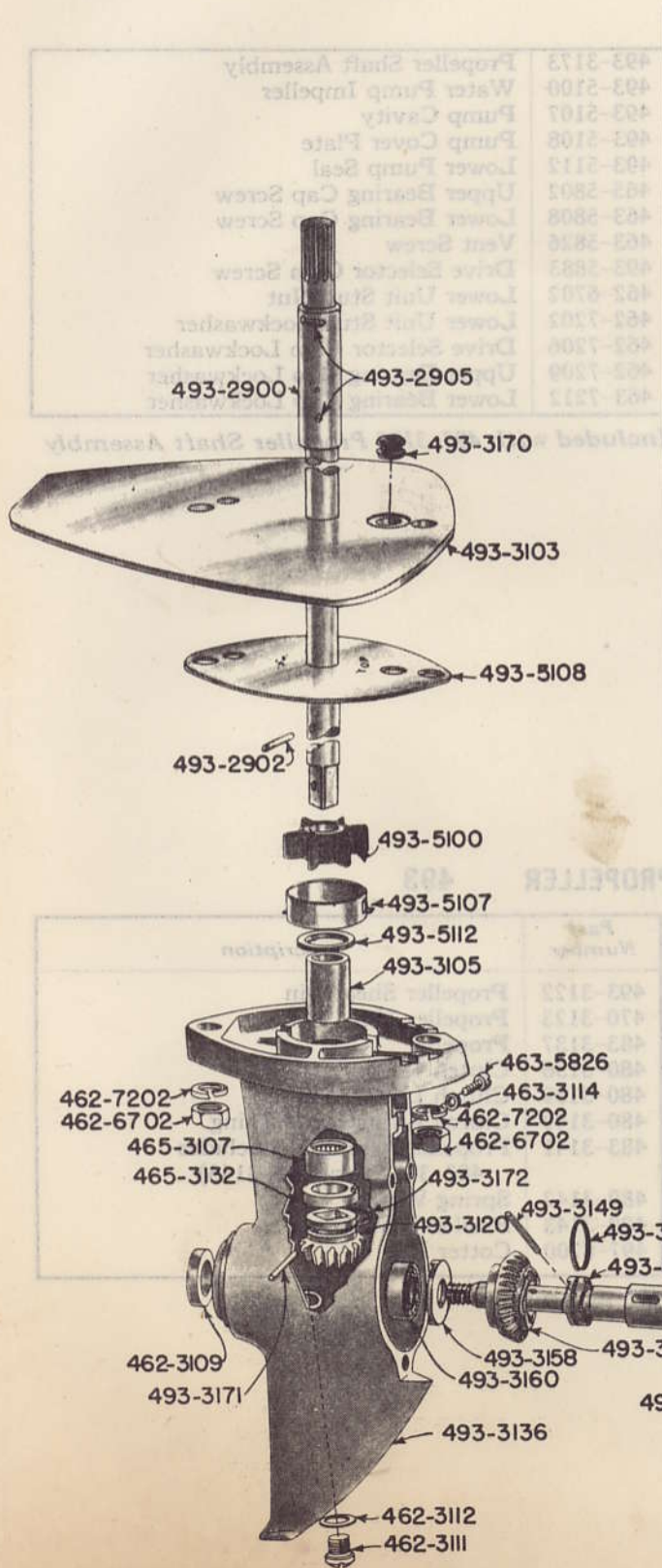
PROPELLER 493



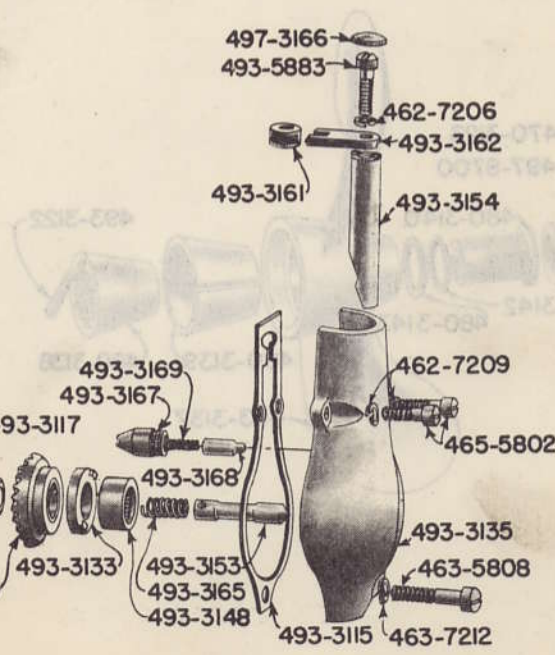
Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
483-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
483-3141	Propeller Assembly (includes 483-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin



# LOWER UNIT 493



Part Number	Description
493-2900	Driveshaft Assembly
493-2902	Driveshaft Pump Pin
493-2905	Driveshaft Pin
493-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
493-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
493-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
493-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
493-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
493-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front Bearing
*493-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*493-3157	Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer



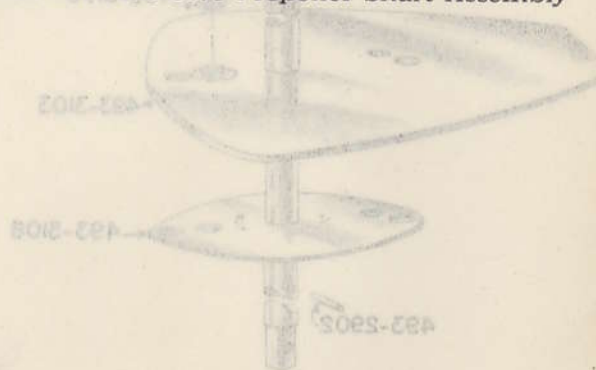


LOWER UNIT  
493

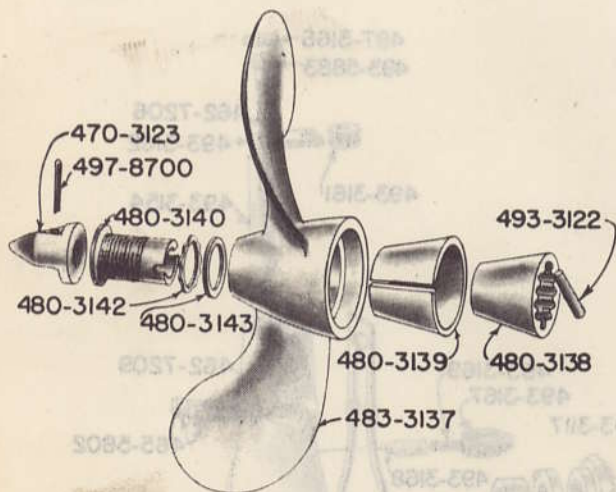
LOWER UNIT—Continued

Part Number	Description	Part Number	Description
493-3160	Prop Shaft Rear Bearing	493-3173	Propeller Shaft Assembly
493-3161	Special Nut—Drive Selector Cam	493-5100	Water Pump Impeller
493-3162	Drive Selector Cam Fork	493-5107	Pump Cavity
*493-3165	Plunger Spring	493-5108	Pump Cover Plate
497-3166	Expansion Plug	493-5112	Lower Pump Seal
493-3167	Cam Detent Retainer	465-5802	Upper Bearing Cap Screw
493-3168	Cam Detent	463-5808	Lower Bearing Cap Screw
493-3169	Cam Detent Spring	463-5826	Vent Screw
493-3170	Anti-Cavitation Plate Grommet	493-5883	Drive Selector Cam Screw
493-3171	Pinion Pin	462-6702	Lower Unit Stud Nut
493-3172	Pinion Pin Retainer	462-7202	Lower Unit Stud Lockwasher
		462-7206	Drive Selector Cam Lockwasher
		462-7209	Upper Bearing Cap Lockwasher
		463-7212	Lower Bearing Cap Lockwasher

\*Included with 493-3173 Propeller Shaft Assembly



PROPELLER 493

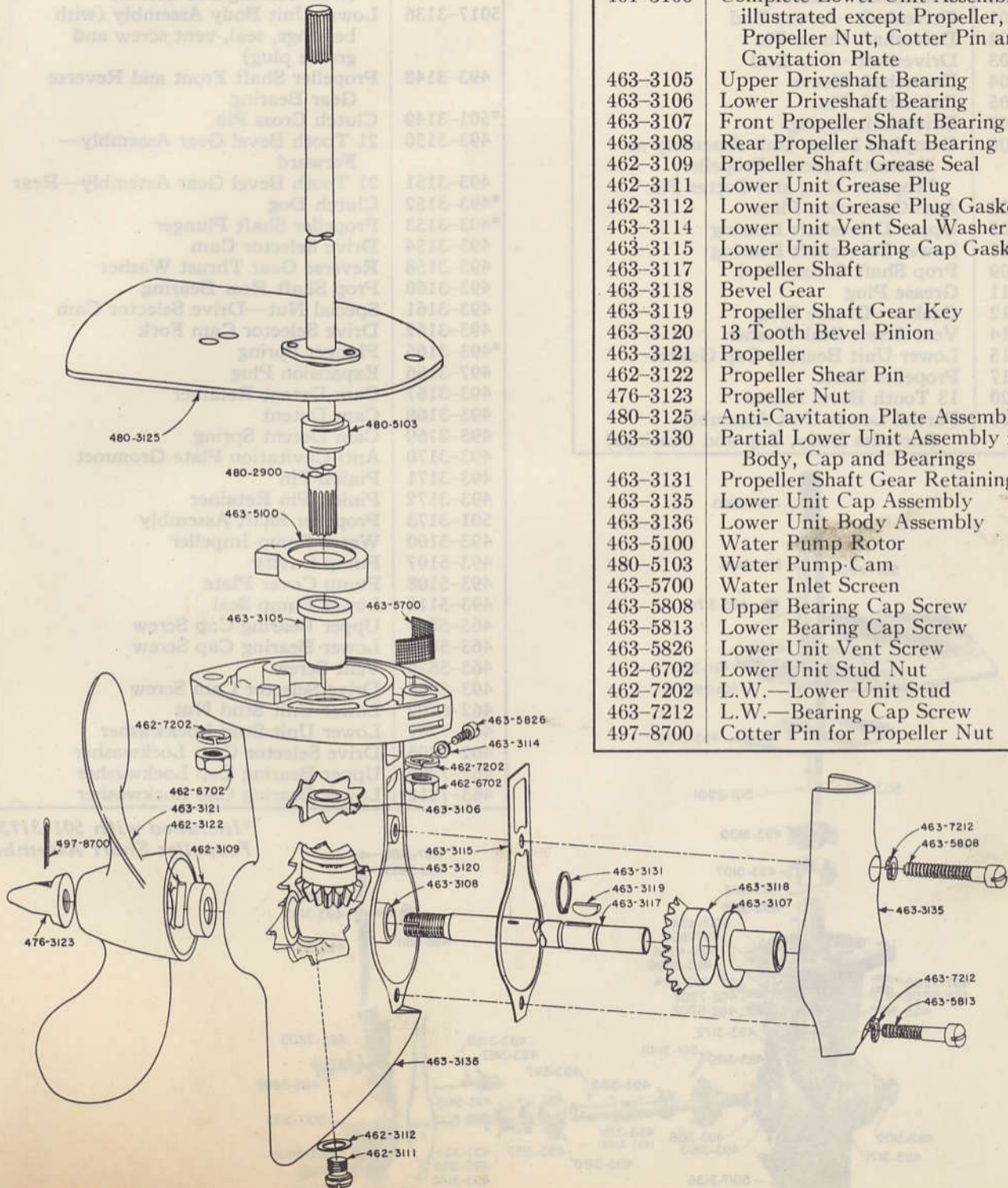


Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
483-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
483-3141	Propeller Assembly (includes 483-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin



# LOWER UNIT 500

LOWER UNIT - 501  
PROPELLER - Page 13



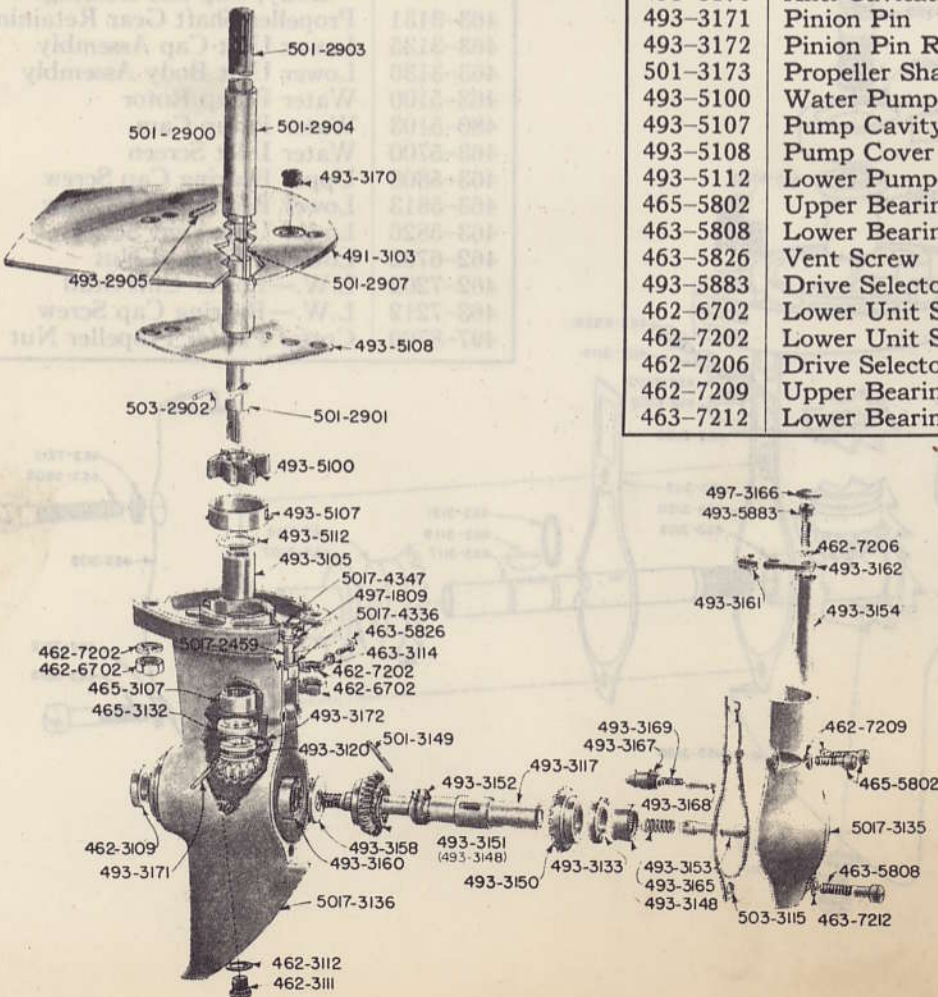
Part Number	Description
480-2900	Driveshaft and Cam Assembly
461-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
463-3105	Upper Driveshaft Bearing
463-3106	Lower Driveshaft Bearing
463-3107	Front Propeller Shaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
462-3112	Lower Unit Grease Plug Gasket
463-3114	Lower Unit Vent Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
463-3118	Bevel Gear
463-3119	Propeller Shaft Gear Key
463-3120	13 Tooth Bevel Pinion
463-3121	Propeller
462-3122	Propeller Shear Pin
476-3123	Propeller Nut
480-3125	Anti-Cavitation Plate Assembly
463-3130	Partial Lower Unit Assembly includes Body, Cap and Bearings
463-3131	Propeller Shaft Gear Retaining Ring
463-3135	Lower Unit Cap Assembly
463-3136	Lower Unit Body Assembly
463-5100	Water Pump Rotor
480-5103	Water Pump-Cam
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	L.W.—Lower Unit Stud
463-7212	L.W.—Bearing Cap Screw
497-8700	Cotter Pin for Propeller Nut



**LOWER UNIT - 501  
PROPELLER - Page 13**

Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
501-2900	Driveshaft Assembly
501-2901	Driveshaft—Lower End
503-2902	Driveshaft Pump Pin
501-2903	Driveshaft—Top End
501-2904	Driveshaft Sleeve
493-2905	Driveshaft Pin
501-2907	Driveshaft Spring
501-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
491-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)

Part Number	Description
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front and Reverse Gear Bearing
*501-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
493-3171	Pinion Pin
493-3172	Pinion Pin Retainer
501-3173	Propeller Shaft Assembly
493-5100	Water Pump Impeller
493-5107	Pump Cavity
493-5108	Pump Cover Plate
493-5112	Lower Pump Seal
465-5802	Upper Bearing Cap Screw
463-5808	Lower Bearing Cap Screw
463-5826	Vent Screw
493-5883	Drive Selector Cam Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lockwasher
462-7206	Drive Selector Cam Lockwasher
462-7209	Upper Bearing Cap Lockwasher
463-7212	Lower Bearing Cap Lockwasher



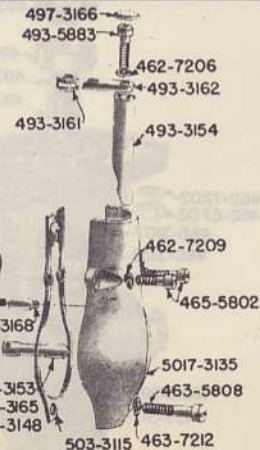
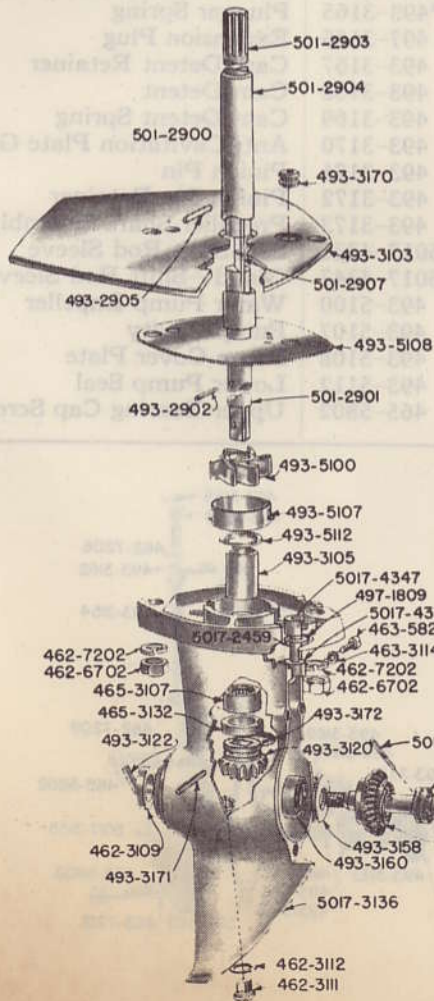
*\*Included with 501-3173  
Propeller Shaft Assembly*



**LOWER UNIT - 507**  
**PROPELLER - Page 13**

Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
501-2900	Driveshaft Assembly
501-2901	Driveshaft—Lower End
503-2902	Driveshaft Pump Pin
501-2903	Driveshaft—Top End
501-2904	Driveshaft Sleeve
493-2905	Driveshaft Pin
501-2907	Driveshaft Spring
5017-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
493-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)

Part Number	Description
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front and Reverse Gear Bearing
*501-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
493-3171	Pinion Pin
493-3172	Pinion Pin Retainer
501-3173	Propeller Shaft Assembly
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
493-5100	Water Pump Impeller
493-5107	Pump Cavity
493-5108	Pump Cover Plate
493-5112	Lower Pump Seal
465-5802	Upper Bearing Cap Screw
463-5808	Lower Bearing Cap Screw
463-5826	Vent Screw
493-5883	Drive Selector Cam Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lockwasher
462-7206	Drive Selector Cam Lockwasher
462-7209	Upper Bearing Cap Lockwasher
463-7212	Lower Bearing Cap Lockwasher



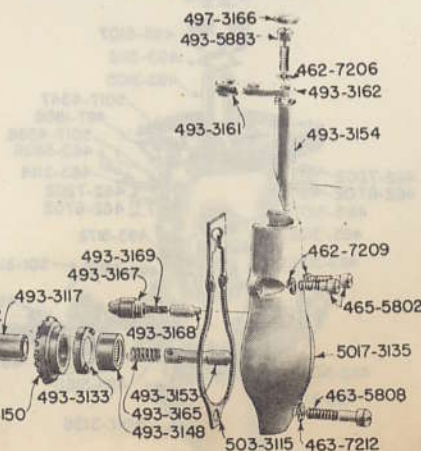
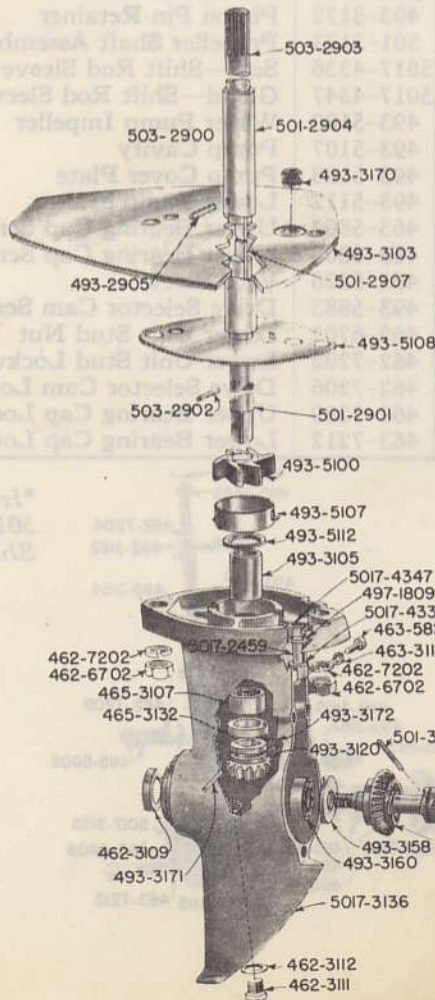
*\*Included with  
501-3173 Propeller  
Shaft Assembly*



**LOWER UNIT - 503  
PROPELLER - Page 13**

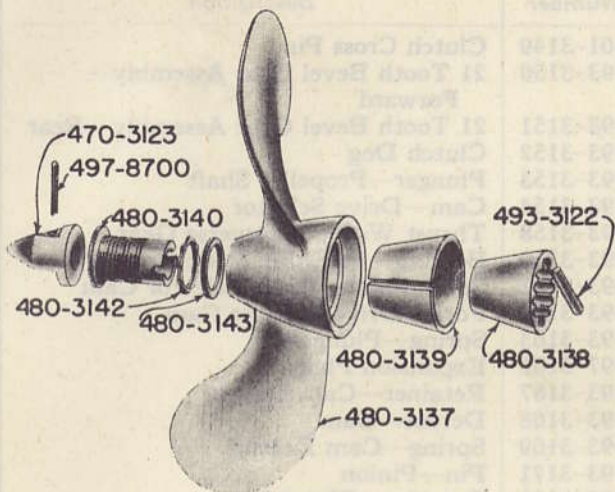
Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
503-2900	Driveshaft Assembly
501-2901	Drive Shaft—Lower End
503-2902	Driveshaft Pump Pin
503-2903	Drive Shaft—Top End
501-2904	Drive Shaft Sleeve
493-2905	Driveshaft Pin
501-2907	Drive Shaft Spring
503-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
493-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft

Part Number	Description
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front & Reverse Gear Bearing
*501-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
493-3171	Pinion Pin
493-3172	Pinion Pin Retainer
493-3173	Propeller Shaft Assembly
5017-4336	Seal-Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
493-5100	Water Pump Impeller
493-5107	Pump Cavity
493-5108	Pump Cover Plate
493-5112	Lower Pump Seal
465-5802	Upper Bearing Cap Screw



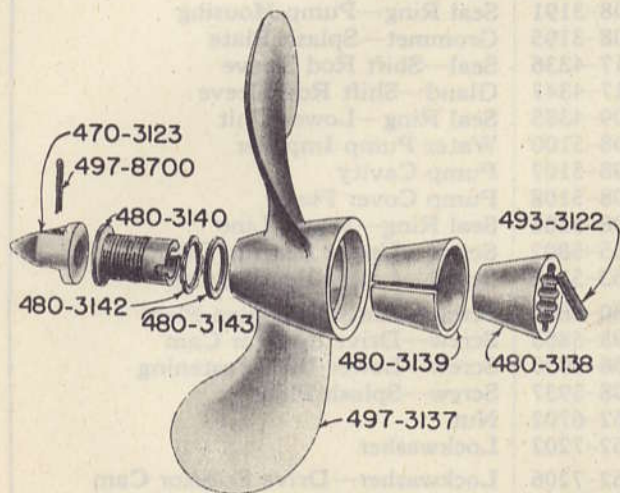


**PROPELLER - 501**



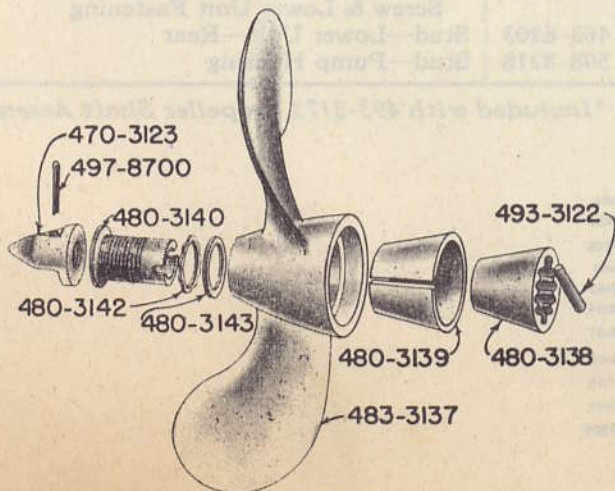
Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
480-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
480-3141	Propeller Assembly (includes 480-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

**PROPELLER - 507**



Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
497-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
497-3141	Propeller Assembly (includes 497-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin

**PROPELLER - 503**



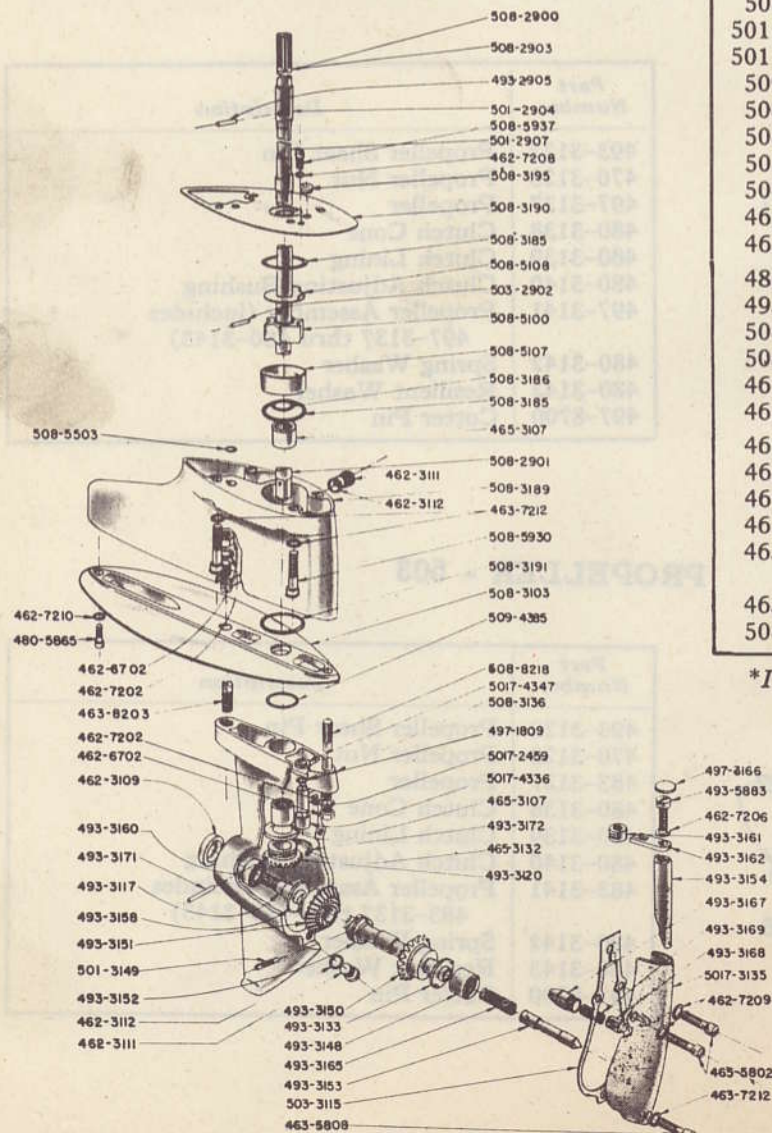
Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
483-3137	Propeller
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
483-3141	Propeller Assembly (includes 483-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin



LOWER UNIT 518  
PROPELLER Page 16

Part Number	Description
497-1809	"O" Ring-Shift Rod
5017-2459	Sleeve-Shift Rod
508-2900	Drive Shaft Assembly
508-2901	Drive Shaft-Lower End
503-2902	Drive Shaft Pump Pin
508-2903	Drive Shaft-Top End
501-2904	Drive Shaft Sleeve
493-2905	Drive Shaft Pin
501-2907	Drive Shaft Spring
508-3103	Anti-Cavitation Plate
465-3107	Drive Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket-Grease Plug
503-3115	Gasket-Lower Unit Bearing Cap
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
465-3132	Bearing-Pinion Thrust
493-3133	Thrust Washer-Forward Gear
*5017-3135	Lower Unit Bearing Cap Assembly
508-3136	Lower Unit Body Assembly
493-3148	Bearing-Front Propeller Shaft

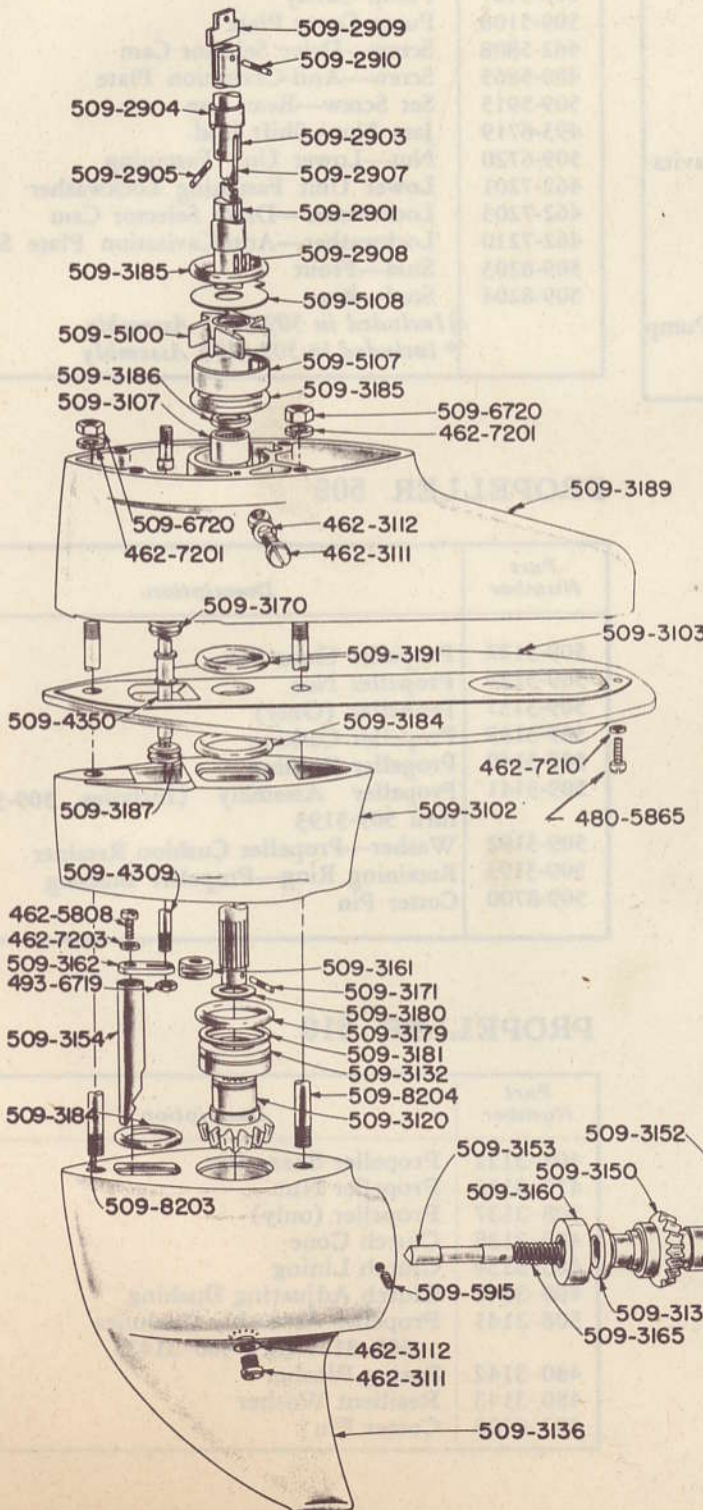
Part Number	Description
*501-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly-Forward
493-3151	21 Tooth Bevel Gear Assembly-Rear
*493-3152	Clutch Dog
*493-3153	Plunger-Propeller Shaft
493-3154	Cam-Drive Selector
493-3158	Thrust Washer-Reverse Gear
493-3160	Bearing-Propeller Shaft Rear
493-3161	Special Nut-Drive Selector Cam
493-3162	Fork-Drive Selector Cam
*493-3165	Spring-Plunger
497-3166	Expansion Plug
493-3167	Retainer-Cam Detent
493-3168	Detent-Cam
493-3169	Spring-Cam Detent
493-3171	Pin-Pinion
493-3172	Retainer-Pinion Pin
508-3185	Seal Ring-Pump Cavity
508-3186	Seal Ring-Drive Shaft
508-3189	Pump Housing
508-3190	Splash Plate
508-3191	Seal Ring-Pump Housing
508-3195	Grommet-Splash Plate
5017-4336	Seal-Shift Rod Sleeve
5017-4347	Gland-Shift Rod Sleeve
509-4385	Seal Ring-Lower Unit
508-5100	Water Pump Impeller
508-5107	Pump Cavity
508-5108	Pump Cover Plate
508-5503	Seal Ring-Water Line
465-5802	Screw-Upper Bearing Cap
463-5808	Screw-Lower Bearing Cap
480-5865	Screw-Anti-Cavitation Plate
493-5883	Screw-Drive Selector Cam
508-5930	Screw-Lower Unit Fastening
508-5937	Screw-Splash Plate
462-6702	Nut
462-7202	Lockwasher
462-7206	Lockwasher-Drive Selector Cam
462-7208	Lockwasher-Splash Plate Screw
462-7209	Lockwasher-Upper Bearing Cap Screw
462-7210	Lockwasher
463-7212	Lockwasher-Lower Bearing Cap Screw & Lower Unit Fastening
463-8203	Stud-Lower Unit-Rear
508-8218	Stud-Pump Housing



\*Included with 493-3173 Propeller Shaft Assembly

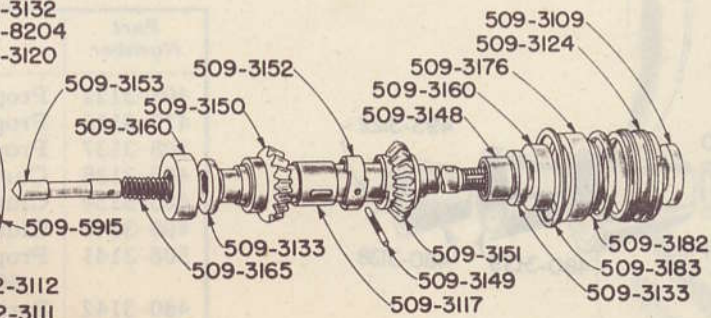


# LOWER UNIT 509



Part Number	Description
509-2901	Drive Shaft—Lower End
509-2903	Drive Shaft—Top End
509-2904	Drive Shaft Sleeve
509-2905	Drive Shaft Pin
509-2907	Drive Shaft Torque Bar
509-2908	Woodruff Key
509-2909	Drive Shaft Key
509-2910	Drive Shaft—Key Pin
509-3100	Complete Lower Unit Assembly as Illustrated
509-3102	Lower Unit—Top Section
509-3103	Anti-Cavitation Plate
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
*509-3117	Propeller Shaft
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
509-3136	Lower Unit Body Assembly
†509-3148	Bearing—Reverse Gear
*509-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
509-3160	Bearing—Front & Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
509-3170	Grommet

Continued next page

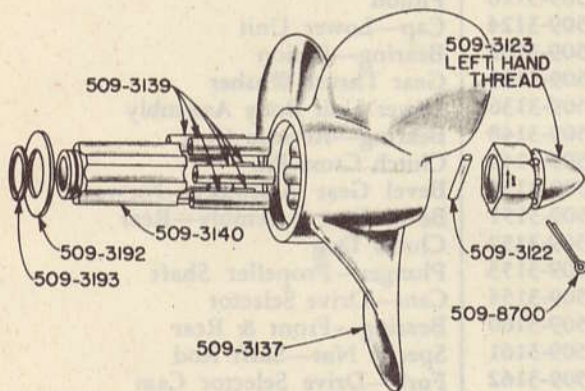




## LOWER UNIT 509 (Continued)

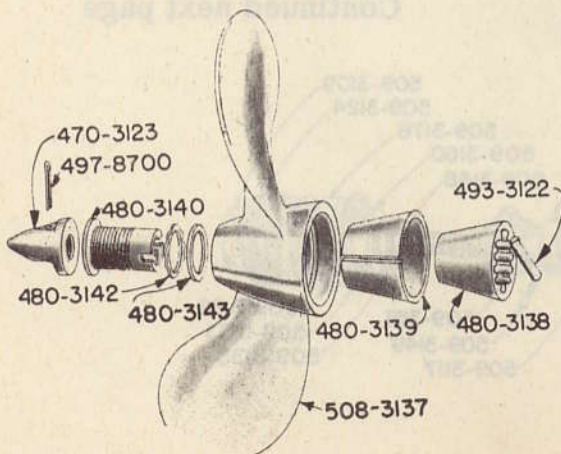
Part Number	Description
509-3171	Pin—Pinion
509-3173	<b>Propeller Shaft Assembly</b>
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring—Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
509-3184	Seal Ring—Cam Cavity & Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity
509-3186	Grease Seal—Drive Shaft
509-3187	Grommet Shift Tube
509-3189	Pump Housing
509-3191	Seal Ring—Drive Shaft, Lower Pump Housing
509-4309	Shift Rod

Part Number	Description
509-4350	Shift Rod Tube Assembly
509-5100	Impeller
509-5107	Pump Cavity
509-5108	Pump Cover Plate
462-5808	Screw—Drive Selector Cam
480-5865	Screw—Anti-Cavitation Plate
509-5915	Set Screw—Rear Cap
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
462-7210	Lockwasher—Anti-Cavitation Plate Screw
509-8203	Stud—Front
509-8204	Stud—Rear
	† Included in 509-3151 Assembly
	* Included in 509-3173 Assembly



## PROPELLER 509

Part Number	Description
509-3122	Propeller Shear Pin
509-3123	Propeller Nut
509-3137	Propeller (Only)
509-3139	Propeller Cushion
509-3140	Propeller Bushing
509-3141	Propeller Assembly (Includes 509-3137 thru 509-3193)
509-3192	Washer—Propeller Cushion Retainer
509-3193	Retaining Ring—Propeller Bushing
509-8700	Cotter Pin

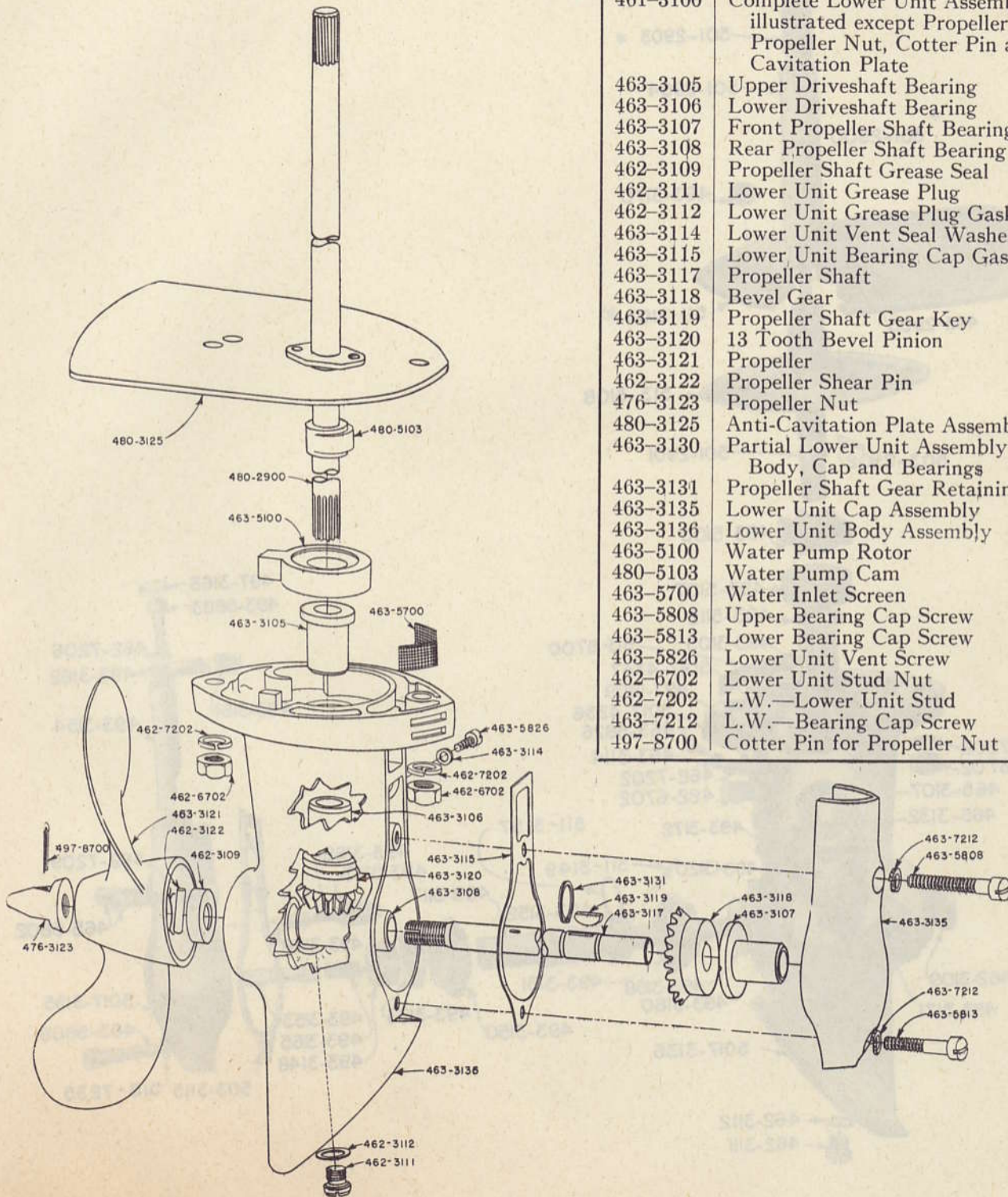


## PROPELLER 518

Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
508-3137	Propeller (only)
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
508-3141	Propeller Assembly (includes 508-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin



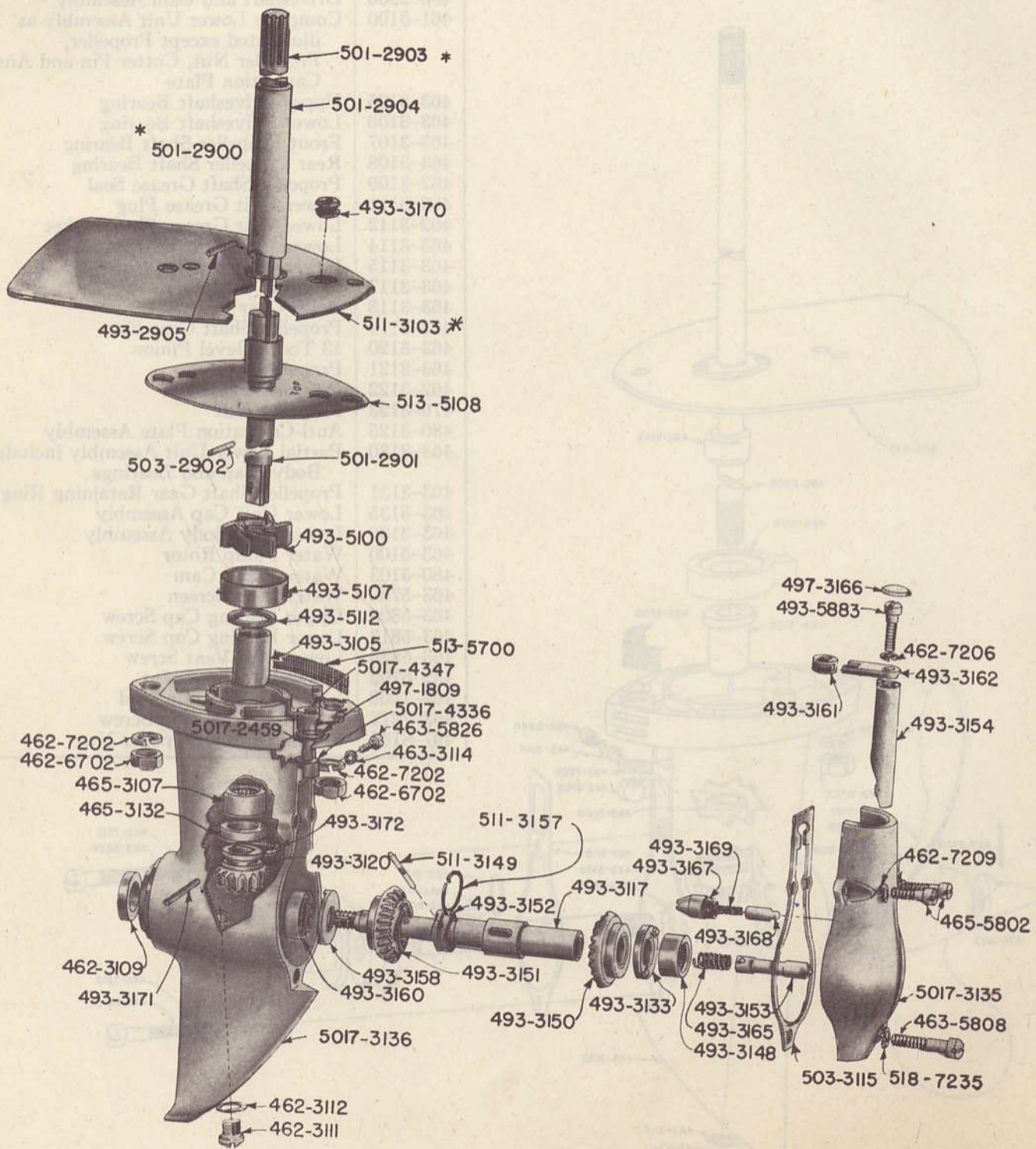
# LOWER UNIT - 510



Part Number	Description
480-2900	Driveshaft and Cam Assembly
461-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
463-3105	Upper Driveshaft Bearing
463-3106	Lower Driveshaft Bearing
463-3107	Front Propeller Shaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
462-3112	Lower Unit Grease Plug Gasket
463-3114	Lower Unit Vent Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
463-3118	Bevel Gear
463-3119	Propeller Shaft Gear Key
463-3120	13 Tooth Bevel Pinion
463-3121	Propeller
462-3122	Propeller Shear Pin
476-3123	Propeller Nut
480-3125	Anti-Cavitation Plate Assembly
463-3130	Partial Lower Unit Assembly includes Body, Cap and Bearings
463-3131	Propeller Shaft Gear Retaining Ring
463-3135	Lower Unit Cap Assembly
463-3136	Lower Unit Body Assembly
463-5100	Water Pump Rotor
480-5103	Water Pump Cam
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	L.W.—Lower Unit Stud
463-7212	L.W.—Bearing Cap Screw
497-8700	Cotter Pin for Propeller Nut



LOWER UNIT - 511 - 517 - 513



\* See exceptions on next page



LOWER UNIT - 511 - 517 - 513  
Propeller - Same as 501 - 507 - 503 (Page P13)

Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
* 501-2900	Driveshaft Assembly
501-2901	Driveshaft—Lower End
503-2902	Driveshaft Pump Pin
* † 501-2903	Driveshaft—Top End
† 501-2904	Driveshaft Sleeve
† 493-2905	Driveshaft Pin
* 501-2906	Driveshaft Sub Assembly
† 501-2907	Driveshaft Spring
* 517-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, and Cotter Pin
* 511-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front and Reverse Gear Bearing

†Included with 501-2906 Assembly

Part Number	Description
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*511-3157	Clutch Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
493-3171	Pinion Pin
493-3172	Pinion Pin Retainer
511-3173	Propeller Shaft Assembly
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
493-5100	Water Pump Impeller
493-5107	Pump Cavity
513-5108	Pump Cover Plate
493-5112	Lower Pump Seal
513-5700	Water Inlet Screen
465-5802	Upper Bearing Cap Screw
463-5808	Lower Bearing Cap Screw
463-5826	Vent Screw
493-5883	Drive Selector Cam Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lockwasher
462-7206	Drive Selector Cam Lockwasher
462-7209	Upper Bearing Cap Lockwasher
463-7212	Lower Bearing Cap Lockwasher
518-7235	Lockwasher—Lower Bearing Cap Screw

\*Included with 511-3173 Propeller Shaft Assembly

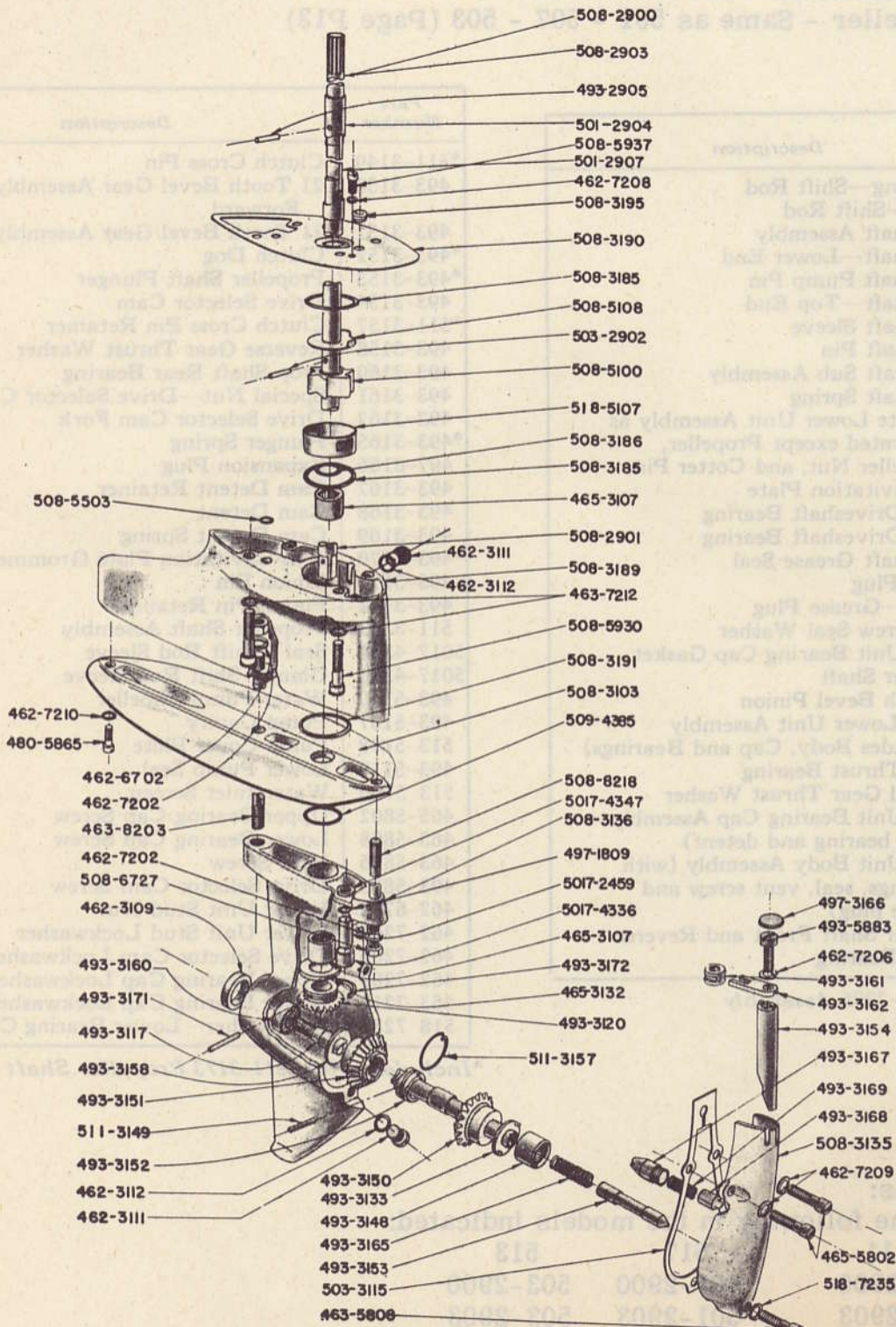
\* Exceptions:

Use the following in the models indicated:

511	517	513
501-2900	501-2900	503-2900
501-2903	501-2903	503-2903
501-2906	501-2906	503-2906
511-3100	517-3100	513-3100
511-3103	513-3103	513-3100



# LOWER UNIT - 518



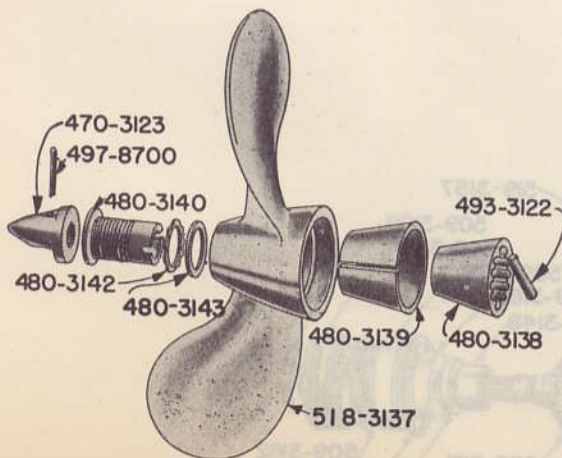


## LOWER UNIT - 518

Part Number	Description
497-1809	"O" Ring Shift Rod
5017-2459	Sleeve—Shift Rod
508-2900	Drive Shaft Assembly
508-2901	Drive Shaft—Lower End
503-2902	Drive Shaft Pump Pin
508-2903	Drive Shaft—Top End
501-2904	Drive Shaft Sleeve
493-2905	Drive Shaft Pin
501-2907	Drive Shaft Spring
508-3103	Anti-Cavitation Plate
465-3107	Drive Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
503-3115	Gasket—Lower Unit Bearing Cap
*493-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
465-3132	Bearing—Pinion Thrust
493-3133	Thrust Washer—Forward Gear
*5017-3135	Lower Unit Bearing Cap Assembly
508-3136	Lower Unit Body Assembly
493-3148	Bearing—Front Propeller Shaft
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Plunger—Propeller Shaft
493-3154	Cam—Drive Selector
511-3157	Retainer—Clutch Cross Pin
493-3158	Thrust Washer—Reverse Gear
493-3160	Bearing—Propeller Shaft Rear
493-3161	Special Nut—Drive Selector Cam
493-3162	Fork—Drive Selector Cam
*493-3165	Spring—Plunger
497-3166	Expansion Plug

Part Number	Description
493-3167	Retainer—Cam Detent
493-3168	Detent—Cam
493-3169	Spring—Cam Detent
493-3171	Pin—Pinion
493-3172	Retainer—Pinion Pin
508-3185	Seal Ring—Pump Cavity
508-3186	Seal Ring—Drive Shaft
508-3189	Pump Housing
508-3190	Splash Plate
508-3191	Seal Ring—Pump Housing
508-3195	Grommet—Splash Plate
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
509-4385	Seal Ring—Lower Unit
508-5100	Water Pump Impeller
518-5107	Pump Cavity
508-5108	Pump Cover Plate
508-5503	Seal Ring—Water Line
465-5802	Screw—Upper Bearing Cap
463-5808	Screw—Lower Bearing Cap
480-5865	Screw—Anti-Cavitation Plate
493-5883	Screw—Drive Selector Cam
508-5930	Screw—Lower Unit Fastening
508-5937	Screw—Splash Plate
462-6702	Nut
508-6727	Nut
462-7202	Lockwasher
462-7206	Lockwasher—Drive Selector Cam
462-7208	Lockwasher—Splash Plate Screw
462-7209	Lockwasher—Upper Bearing Cap Screw
462-7210	Lockwasher
463-7212	Lockwasher—Lower Unit Fastening
518-7235	Lockwasher—Lower Bearing Cap Screw
463-8203	Stud—Lower Unit—Rear
508-8218	Stud—Pump Housing

\*Included with 493-3173 Propeller Shaft Assembly



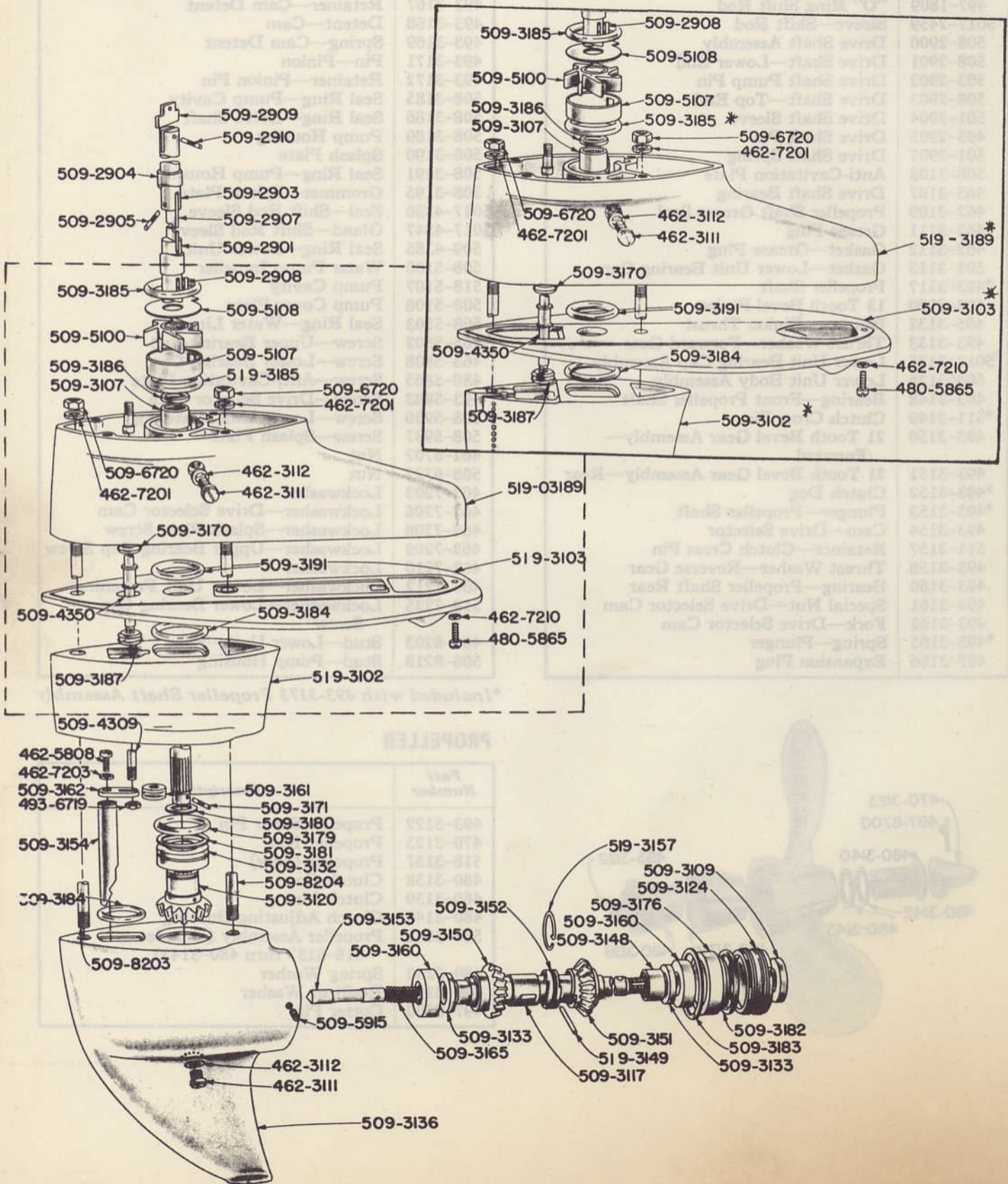
### PROPELLER

Part Number	Description
493-3122	Propeller Shear Pin
470-3123	Propeller Nut
518-3137	Propeller (only)
480-3138	Clutch Cone
480-3139	Clutch Lining
480-3140	Clutch Adjusting Bushing
518-3141	Propeller Assembly (includes 518-3137 thru 480-3143)
480-3142	Spring Washer
480-3143	Resilient Washer
497-8700	Cotter Pin



LOWER UNIT - 519

Early Models - Water Inlet in Front

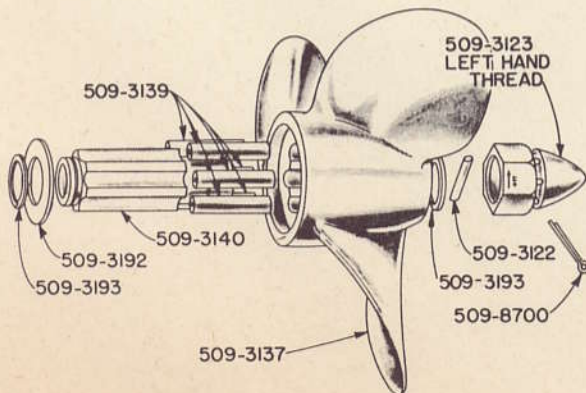




## LOWER UNIT - 519

Part Number	Description
509-2901	Drive Shaft—Lower End
‡509-2903	Drive Shaft—Top End
‡509-2904	Drive Shaft Sleeve
‡509-2905	Drive Shaft Pin
509-2906	Drive Shaft Sub Assembly
‡509-2907	Drive Shaft Torque Bar
509-2908	Woodruff Key
‡509-2909	Drive Shaft Key
‡509-2910	Drive Shaft—Key Pin
519-3100	Complete Lower Unit Assembly as Illustrated
509-3102	Lower Unit—Top Section
509-3103	Anti-Cavitation Plate
519-3102	Lower Unit—Top Section
519-3103	Anti-Cavitation Plate
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
*509-3117	Propeller Shaft
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
509-3136	Lower Unit Body Assembly
‡509-3148	Bearing—Reverse Gear
*519-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
519-3157	Retainer—Clutch Cross Pin
509-3160	Bearing—Front & Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
509-3170	Grommet

Part Number	Description
509-3171	Pin—Pinion
509-3173	Propeller Shaft Assembly
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring—Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
509-3184	Seal Ring—Cam Cavity & Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-3186	Grease Seal—Drive Shaft
509-3187	Grommet Shift Tube
519-3189	Pump Housing
519-03189	Pump Housing
509-3191	Seal Ring—Drive Shaft, Lower Pump Housing
509-4309	Shift Rod
509-4350	Shift Rod Tube Assembly
509-5100	Impeller
509-5107	Pump Cavity
509-5108	Pump Cover Plate
462-5808	Screw—Drive Selector Cam
480-5865	Screw—Anti-Cavitation Plate
509-5915	Set Screw—Rear Cap
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
462-7210	Lockwasher—Anti-Cavitation Plate Screw
509-8203	Stud—Front
509-8204	Stud—Rear
	†Included in 509-3151 Assembly
	*Included in 509-3173 Assembly
	‡Included in 509-2906 Assembly

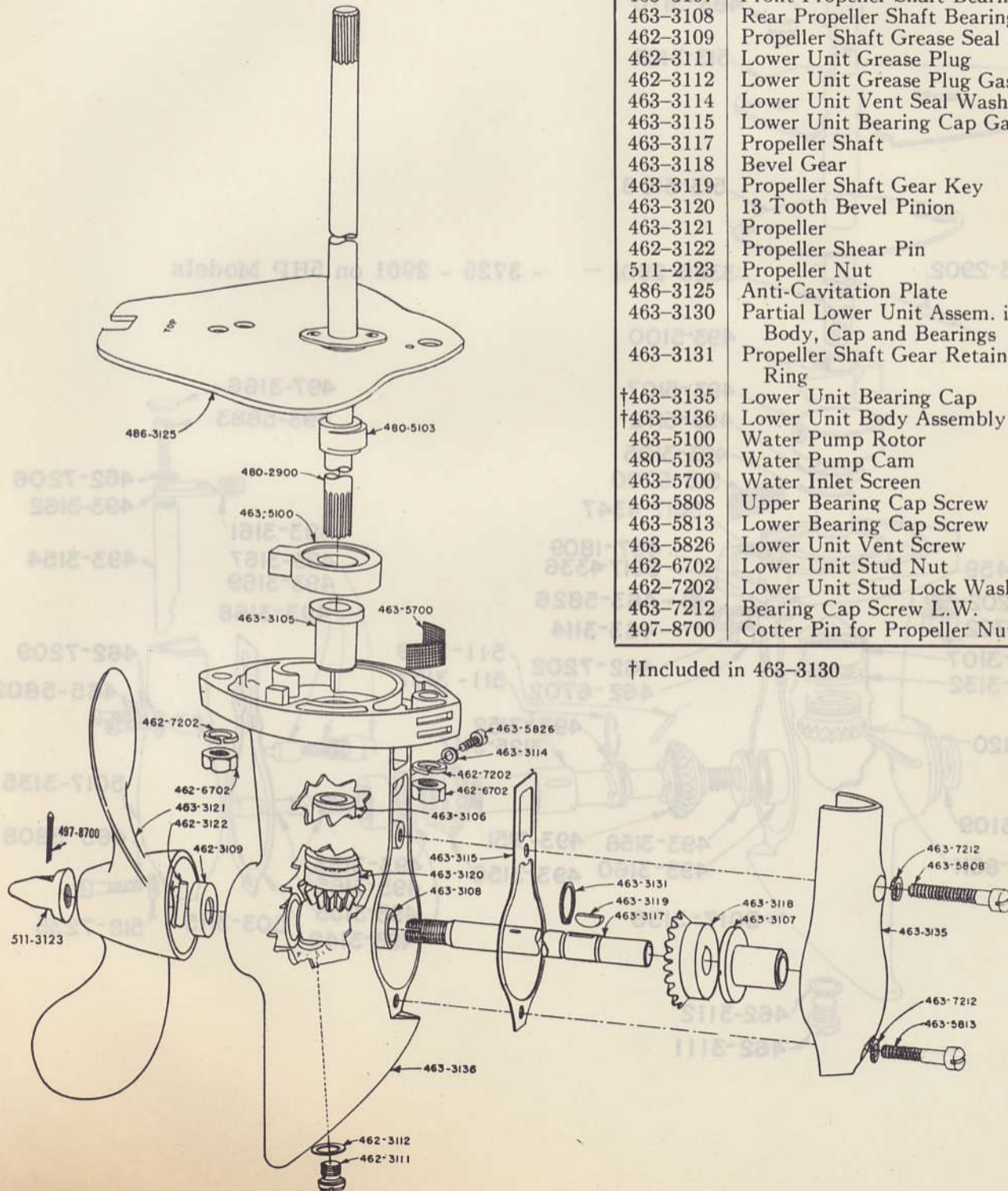


## PROPELLER

Part Number	Description
509-3122	Propeller Shear Pin
509-3123	Propeller Nut
509-3137	Propeller (Only)
509-3139	Propeller Cushion
509-3140	Propeller Bushing
509-3141	Propeller Assembly (Includes 509-3137 thru 509-3193)
509-3192	Washer—Propeller Cushion Retainer
509-3193	Retaining Ring—Propeller Bushing
509-8700	Cotter Pin



# LOWER UNIT 3025



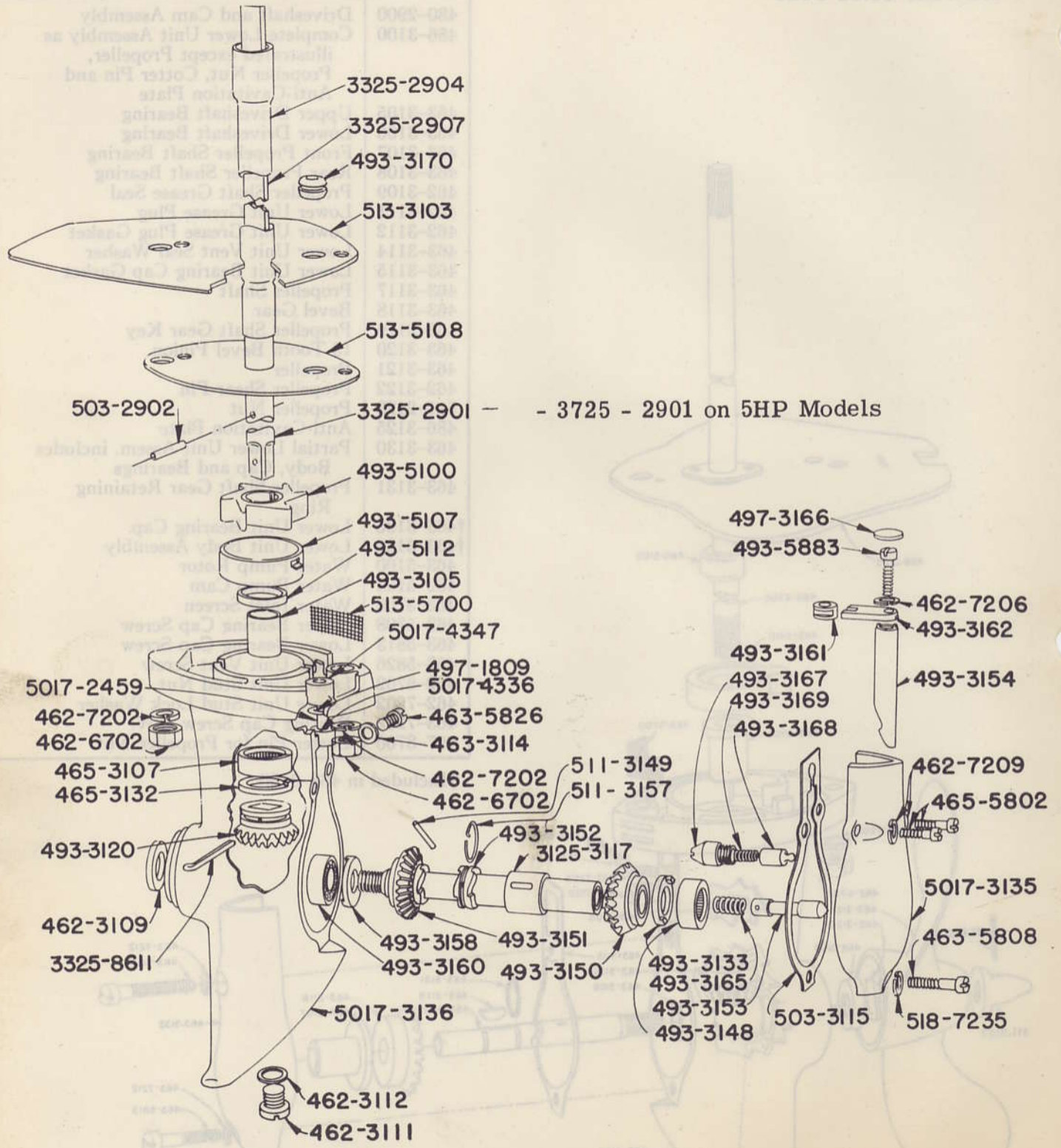
Part Number	Description
480-2900	Driveshaft and Cam Assembly
486-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
463-3105	Upper Driveshaft Bearing
463-3106	Lower Driveshaft Bearing
463-3107	Front Propeller Shaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
462-3112	Lower Unit Grease Plug Gasket
463-3114	Lower Unit Vent Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
463-3118	Bevel Gear
463-3119	Propeller Shaft Gear Key
463-3120	13 Tooth Bevel Pinion
463-3121	Propeller
462-3122	Propeller Shear Pin
511-2123	Propeller Nut
486-3125	Anti-Cavitation Plate
463-3130	Partial Lower Unit Assem. includes Body, Cap and Bearings
463-3131	Propeller Shaft Gear Retaining Ring
†463-3135	Lower Unit Bearing Cap
†463-3136	Lower Unit Body Assembly
463-5100	Water Pump Rotor
480-5103	Water Pump Cam
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lock Washer
463-7212	Bearing Cap Screw L.W.
497-8700	Cotter Pin for Propeller Nut

†Included in 463-3130



LOWER UNIT 3725 and 3325

LOWER UNIT 3025





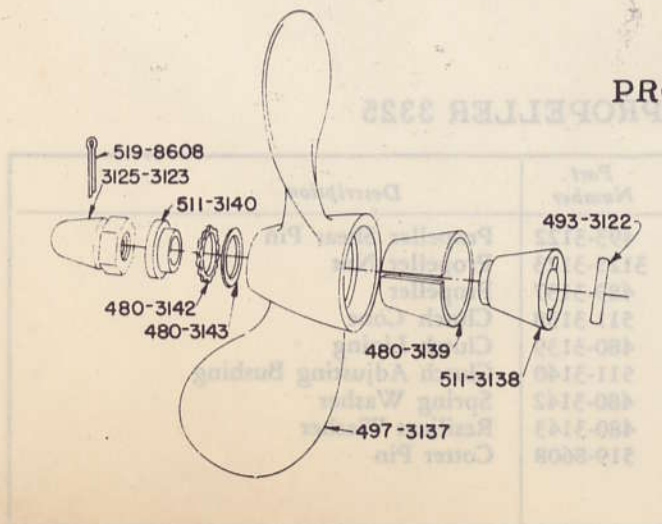
## LOWER UNIT 3725

Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
3725-2901	Drive Shaft—Lower End
503-2902	Driveshaft Pump Pin
3325-2904	Drive Shaft Sleeve
3325-2907	Drive Shaft Spring
3725-3100	Complete Lower Unit Assembly as illustrated
513-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*3125-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front & Reverse Gear Bearing
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward

Part Number	Description
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*511-3157	Clutch Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
3125-3173	Propeller Shaft Assembly
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
493-5100	Water Pump Impeller
493-5107	Pump Cavity
513-5108	Pump Cover Plate
493-5112	Lower Pump Seal
513-5700	Inlet Water Screen
465-5802	Upper Bearing Cap Screw
463-5808	Lower Bearing Cap Screw
463-5826	Vent Screw
493-5883	Drive Selector Cam Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lockwasher
462-7206	Drive Selector Cam Lockwasher
462-7209	Upper Bearing Cap Lockwasher
518-7235	Lower Bearing Cam Lockwasher
3325-8611	Cotter Pin—Pinion

\*Included with 3125-3173 Propeller Shaft Assembly

## PROPELLER 3725



Part Number	Description
493-3122	Propeller Shear Pin
3125-3123	Propeller Nut
511-3137	Propeller
511-3138	Clutch Cone
480-3139	Clutch Lining
511-3140	Clutch Adjusting Bushing
480-3142	Spring Washer
480-3143	Resilient Washer
519-8608	Cotter Pin

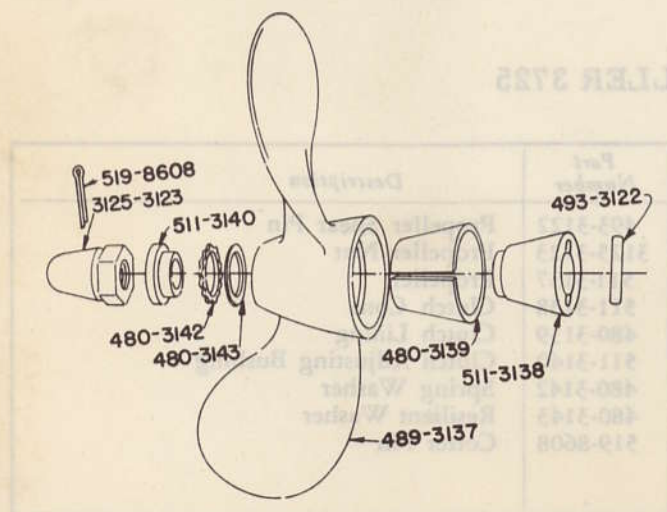


## LOWER UNIT 3325

Part Number	Description
497-1809	"O" Ring—Shift Rod
5017-2459	Sleeve—Shift Rod
3325-2901	Drive Shaft—Lower End
503-2902	Driveshaft Pump Pin
3325-2904	Drive Shaft Sleeve
3325-2907	Drive Shaft Spring
3325-3100	Complete Lower Unit Assembly as illustrated
513-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*3125-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
5017-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
5017-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
493-3148	Propeller Shaft Front & Reverse Gear Bearing
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward

Part Number	Description
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*511-3157	Clutch Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
493-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
3125-3173	Propeller Shaft Assembly
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
493-5100	Water Pump Impeller
493-5107	Pump Cavity
493-5108	Pump Cover Plate
493-5112	Lower Pump Seal
513-5700	Inlet Water Screen
465-5802	Upper Bearing Cap Screw
463-5808	Lower Bearing Cap Screw
463-5826	Vent Screw
493-5883	Drive Selector Cam Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lockwasher
462-7206	Drive Selector Cam Lockwasher
462-7209	Upper Bearing Cap Lockwasher
518-7235	Lower Bearing Cam Lockwasher
3325-8611	Cotter Pin—Pinion

\*Included with 3125-3173 Propeller Shaft Assembly



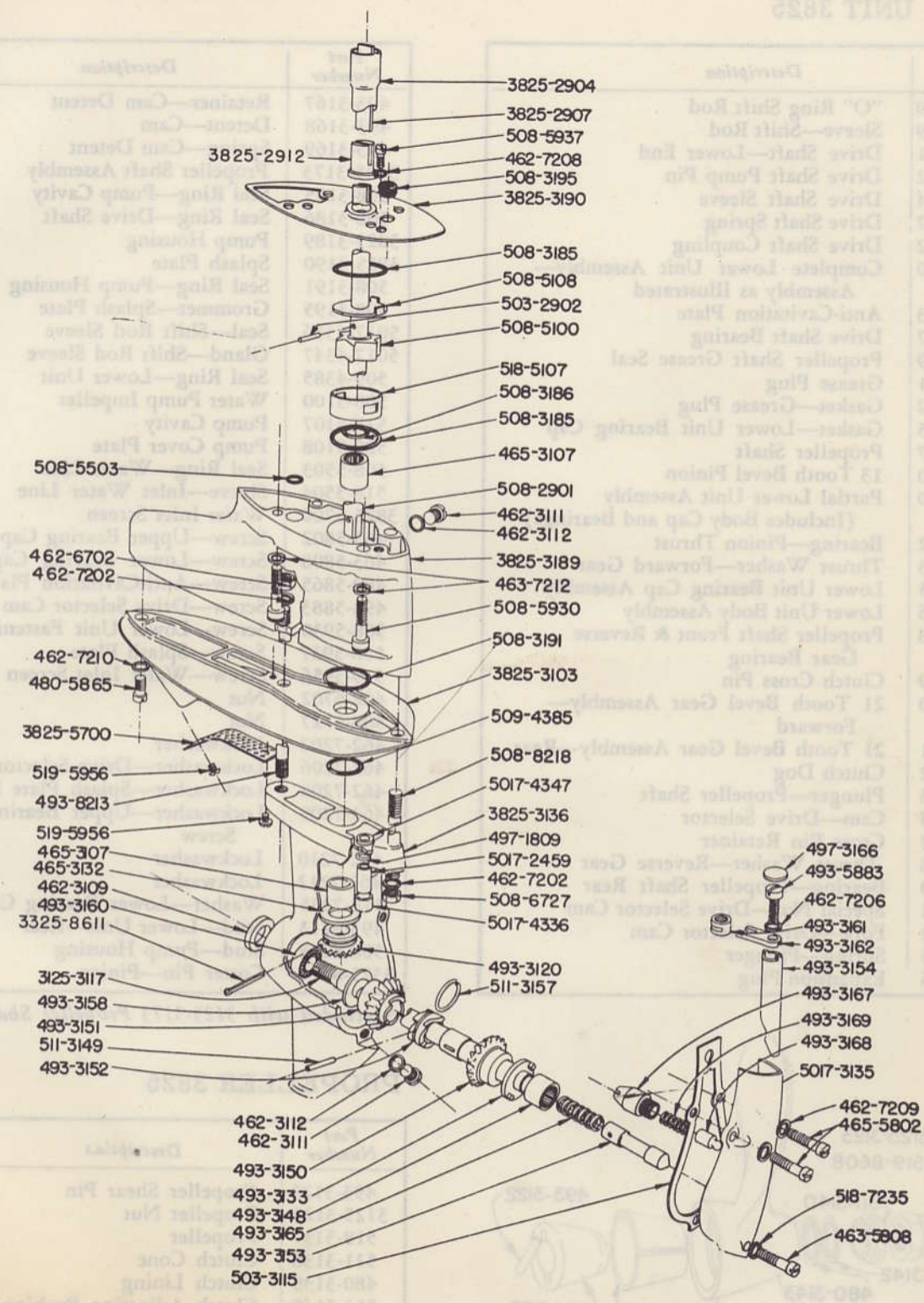
## PROPELLER 3325

Part Number	Description
493-3122	Propeller Shear Pin
3125-3123	Propeller Nut
489-3137	Propeller
511-3138	Clutch Cone
480-3139	Clutch Lining
511-3140	Clutch Adjusting Bushing
480-3142	Spring Washer
480-3143	Resilient Washer
519-8608	Cotter Pin



# LOWER UNIT 3825

LOWER UNIT 3825



- 3825-2904
- 3825-2907
- 508-5937
- 462-7208
- 508-3195
- 3825-3190
- 508-3185
- 508-5108
- 503-2902
- 508-5100
- 518-5107
- 508-3186
- 508-3185
- 465-3107
- 508-5503
- 508-2901
- 462-3111
- 462-3112
- 3825-3189
- 463-7212
- 508-5930
- 508-3191
- 462-6702
- 462-7202
- 462-7210
- 480-5865
- 3825-3103
- 509-4385
- 3825-5700
- 508-8218
- 519-5956
- 5017-4347
- 493-8213
- 3825-3136
- 519-5956
- 497-1809
- 465-307
- 5017-2459
- 465-3132
- 462-7202
- 462-3109
- 508-6727
- 493-3160
- 5017-4336
- 3325-8611
- 493-3120
- 511-3157
- 3125-3117
- 493-3158
- 493-3151
- 511-3149
- 493-3152
- 462-3112
- 462-3111
- 493-3150
- 493-3133
- 493-3148
- 493-3165
- 493-3153
- 503-3115

- 497-3166
- 493-5883
- 462-7206
- 493-3161
- 493-3162
- 493-3154
- 493-3167
- 493-3169
- 493-3168
- 5017-3135
- 462-7209
- 465-5802
- 518-7235
- 463-5808

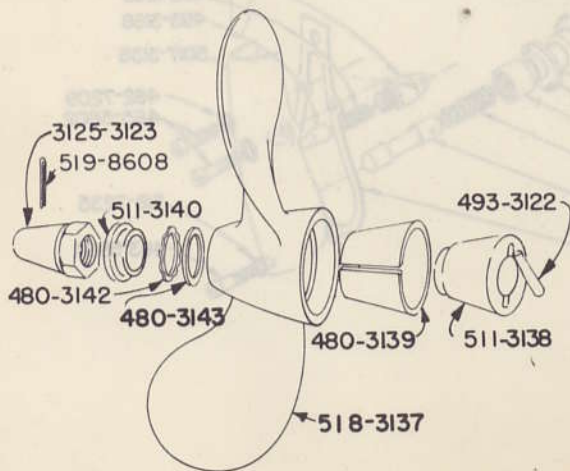


LOWER UNIT 3825

Part Number	Description
497-1809	"O" Ring Shift Rod
5017-2459	Sleeve—Shift Rod
508-2901	Drive Shaft—Lower End
503-2902	Drive Shaft Pump Pin
3825-2904	Drive Shaft Sleeve
3825-2907	Drive Shaft Spring
3825-2912	Drive Shaft Coupling
3825-3100	Complete Lower Unit Assembly— Assembly as Illustrated
3825-3103	Anti-Cavitation Plate
465-3107	Drive Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
503-3115	Gasket—Lower Unit Bearing Cap
*3125-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
3825-3130	Partial Lower Unit Assembly (Includes Body Cap and Bearings)
465-3132	Bearing—Pinion Thrust
493-3133	Thrust Washer—Forward Gear
5017-3135	Lower Unit Bearing Cap Assembly
3825-3136	Lower Unit Body Assembly
493-3148	Propeller Shaft Front & Reverse Gear Bearing
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly— Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Plunger—Propeller Shaft
493-3154	Cam—Drive Selector
*511-3157	Cross Pin Retainer
493-3158	Thrust Washer—Reverse Gear
493-3160	Bearing—Propeller Shaft Rear
493-3161	Special Nut—Drive Selector Cam
493-3162	Fork—Drive Selector Cam
*493-3165	Spring—Plunger
497-3166	Expansion Plug

Part Number	Description
493-3167	Retainer—Cam Detent
493-3168	Detent—Cam
493-3169	Spring—Cam Detent
3125-3173	Propeller Shaft Assembly
508-3185	Seal Ring—Pump Cavity
508-3186	Seal Ring—Drive Shaft
3825-3189	Pump Housing
3825-3190	Splash Plate
508-3191	Seal Ring—Pump Housing
508-3195	Grommet—Splash Plate
5017-4336	Seal—Shift Rod Sleeve
5017-4347	Gland—Shift Rod Sleeve
509-4385	Seal Ring—Lower Unit
508-5100	Water Pump Impeller
518-5107	Pump Cavity
508-5108	Pump Cover Plate
508-5503	Seal Ring—Water Line
518-5504	Sleeve—Inlet Water Line
3825-5700	Water Inlet Screen
465-5802	Screw—Upper Bearing Cap
463-5808	Screw—Lower Bearing Cap
480-5865	Screw—Anti-Cavitation Plate
493-5883	Screw—Drive Selector Cam
508-5930	Screw—Lower Unit Fastening
508-5937	Screw—Splash Plate
519-5956	Screw—Water Inlet Screen
462-6702	Nut
508-6727	Nut
462-7202	Lockwasher
462-7206	Lockwasher—Drive Selector Cam
462-7208	Lockwasher—Splash Plate Screw
462-7209	Lockwasher—Upper Bearing Cap Screw
462-7210	Lockwasher
463-7212	Lockwasher
518-7235	Washer—Lower Bearing Cap Screw
493-8213	Stud—Lower Unit—Rear
508-8218	Stud—Pump Housing
3325-8611	Cotter Pin—Pinion

\*Included with 3125-3173 Propeller Shaft Assembly



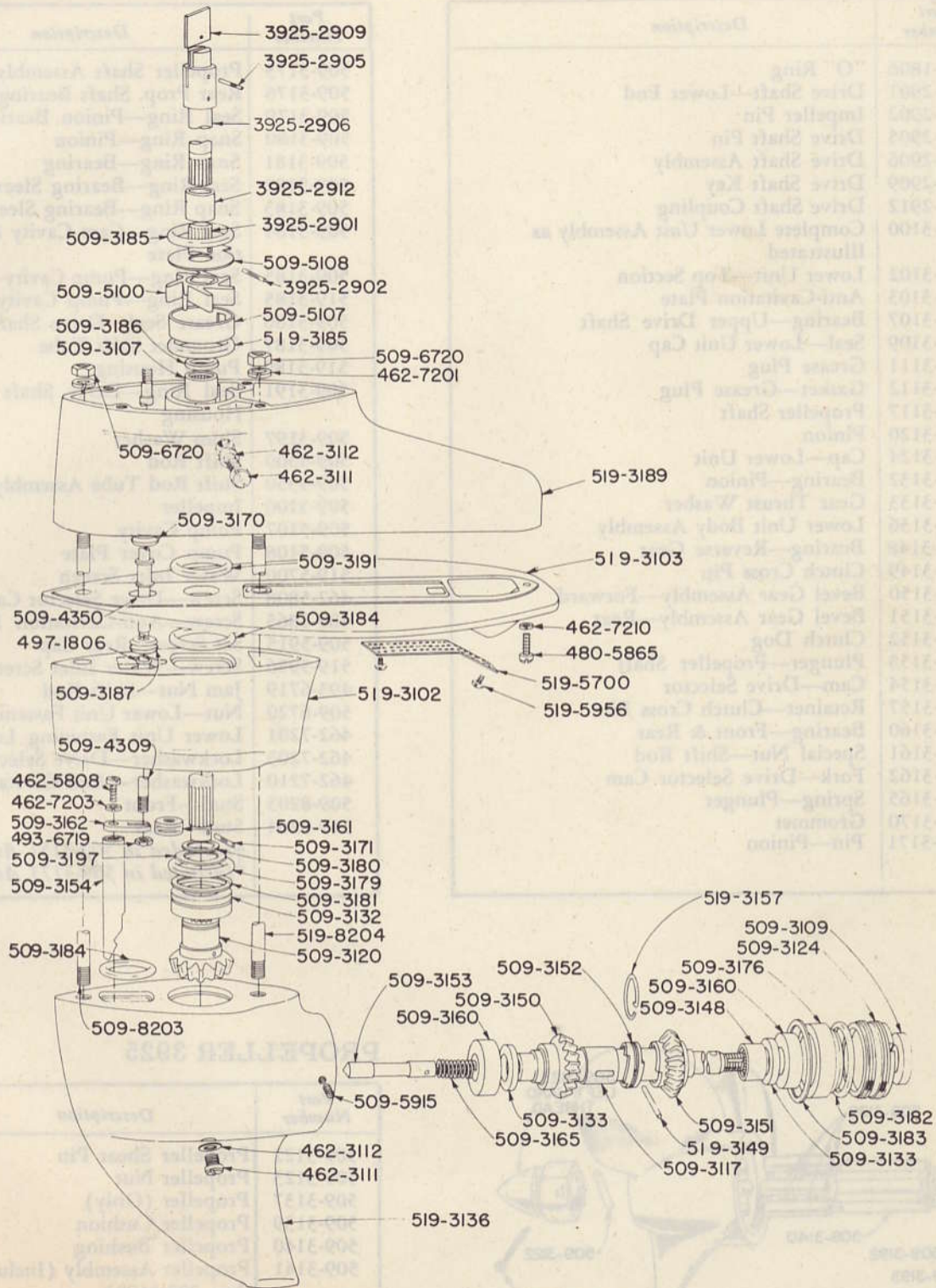
PROPELLER 3825

Part Number	Description
493-3122	Propeller Shear Pin
3125-3123	Propeller Nut
518-3137	Propeller
511-3138	Clutch Cone
480-3139	Clutch Lining
511-3140	Clutch Adjusting Bushing
480-3142	Spring Washer
480-3143	Resilient Washer
519-8608	Cotter Pin



# LOWER UNIT 3925

LOWER UNIT 3925

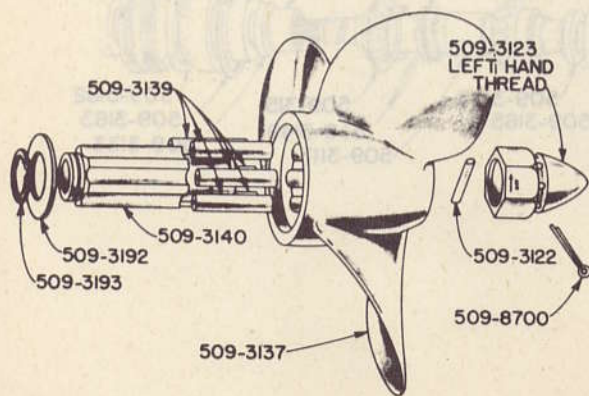




## LOWER UNIT 3925

Part Number	Description
497-1806	"O" Ring
3925-2901	Drive Shaft—Lower End
3925-2902	Impeller Pin
3925-2905	Drive Shaft Pin
3925-2906	Drive Shaft Assembly
3925-2909	Drive Shaft Key
3925-2912	Drive Shaft Coupling
3925-3100	Complete Lower Unit Assembly as Illustrated
519-3102	Lower Unit—Top Section
519-3103	Anti-Cavitation Plate
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
462-3112	Gasket—Grease Plug
*509-3117	Propeller Shaft
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
519-3136	Lower Unit Body Assembly
†509-3148	Bearing—Reverse Gear
*519-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
519-3157	Retainer—Clutch Cross Pin
509-3160	Bearing—Front & Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
509-3170	Grommet
509-3171	Pin—Pinion

Part Number	Description
509-3173	Propeller Shaft Assembly
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring—Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
509-3184	Seal Ring—Cam Cavity & Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-3186	Grease Seal—Drive Shaft
509-3187	Grommet Shift Tube
519-3189	Pump Housing
509-3191	Seal Ring—Drive Shaft Lower Pump Housing
509-3197	Shim Washer
509-4309	Shift Rod
509-4350	Shift Rod Tube Assembly
509-5100	Impeller
509-5107	Pump Cavity
509-5108	Pump Cover Plate
519-5700	Water Inlet Screen
462-5808	Screw—Drive Selector Cam
480-5865	Screw—Anti-Cavitation Plate
509-5915	Set Screw—Rear Cap
519-5956	Screw—Water Inlet Screen
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
462-7210	Lockwasher—Anti-Cavitation Plate Screw
509-8203	Stud—Front
519-8204	Stud—Rear
†Included in 509-3151 Assembly	
*Included in 509-3173 Assembly	



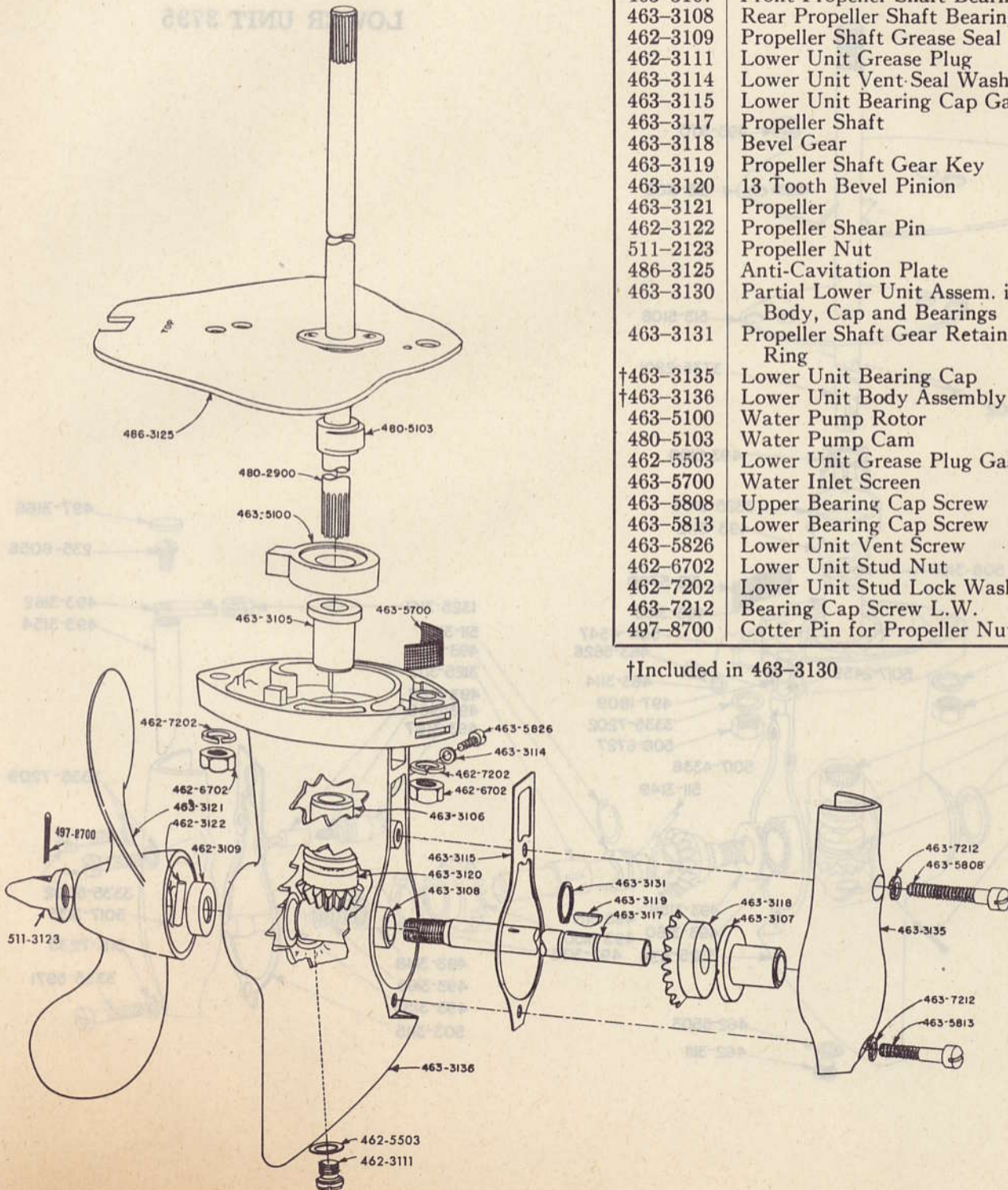
## PROPELLER 3925

Part Number	Description
509-3122	Propeller Shear Pin
509-3123	Propeller Nut
509-3137	Propeller (Only)
509-3139	Propeller Cushion
509-3140	Propeller Bushing
509-3141	Propeller Assembly (Includes 509-3137 thru 509-3193)
509-3192	Washer—Propeller Cushion Retainer
509-3193	Retaining Ring—Propeller Bushing
509-8700	Cotter Pin



# LOWER UNIT 3035

Part Number	Description
480-2900	Driveshaft and Cam Assembly
486-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin and Anti-Cavitation Plate
463-3105	Upper Driveshaft Bearing
463-3106	Lower Driveshaft Bearing
463-3107	Front Propeller Shaft Bearing
463-3108	Rear Propeller Shaft Bearing
462-3109	Propeller Shaft Grease Seal
462-3111	Lower Unit Grease Plug
463-3114	Lower Unit Vent Seal Washer
463-3115	Lower Unit Bearing Cap Gasket
463-3117	Propeller Shaft
463-3118	Bevel Gear
463-3119	Propeller Shaft Gear Key
463-3120	13 Tooth Bevel Pinion
463-3121	Propeller
462-3122	Propeller Shear Pin
511-2123	Propeller Nut
486-3125	Anti-Cavitation Plate
463-3130	Partial Lower Unit Assem. includes Body, Cap and Bearings
463-3131	Propeller Shaft Gear Retaining Ring
†463-3135	Lower Unit Bearing Cap
†463-3136	Lower Unit Body Assembly
463-5100	Water Pump Rotor
480-5103	Water Pump Cam
462-5503	Lower Unit Grease Plug Gasket
463-5700	Water Inlet Screen
463-5808	Upper Bearing Cap Screw
463-5813	Lower Bearing Cap Screw
463-5826	Lower Unit Vent Screw
462-6702	Lower Unit Stud Nut
462-7202	Lower Unit Stud Lock Washer
463-7212	Bearing Cap Screw L.W.
497-8700	Cotter Pin for Propeller Nut



†Included in 463-3130



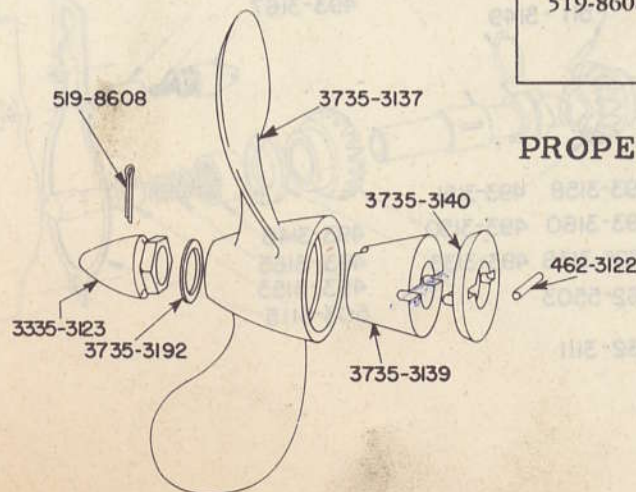




## LOWER UNIT 3735

Part Number	Description
497-1809	"O" Ring—Gearshift Rod
5017-2459	Sleeve—Gearshift Rod
3735-2901	Driveshaft—Lower End
503-2902	Driveshaft Pump Pin
3735-3100	Complete Lower Unit Assy. as illustrated
513-3105	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
3125-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
462-3122	Propeller Shear Pin
3335-3123	Propeller Nut
3325-3130	Partial Lower Unit Assembly (includes body, cap and bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
3325-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
3735-3137	Propeller (only)
3735-3139	Prop Cushion
3735-3140	Prop Bushing
3735-3141	Propeller Assembly
493-3148	Propeller Shaft Front Bearing
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward

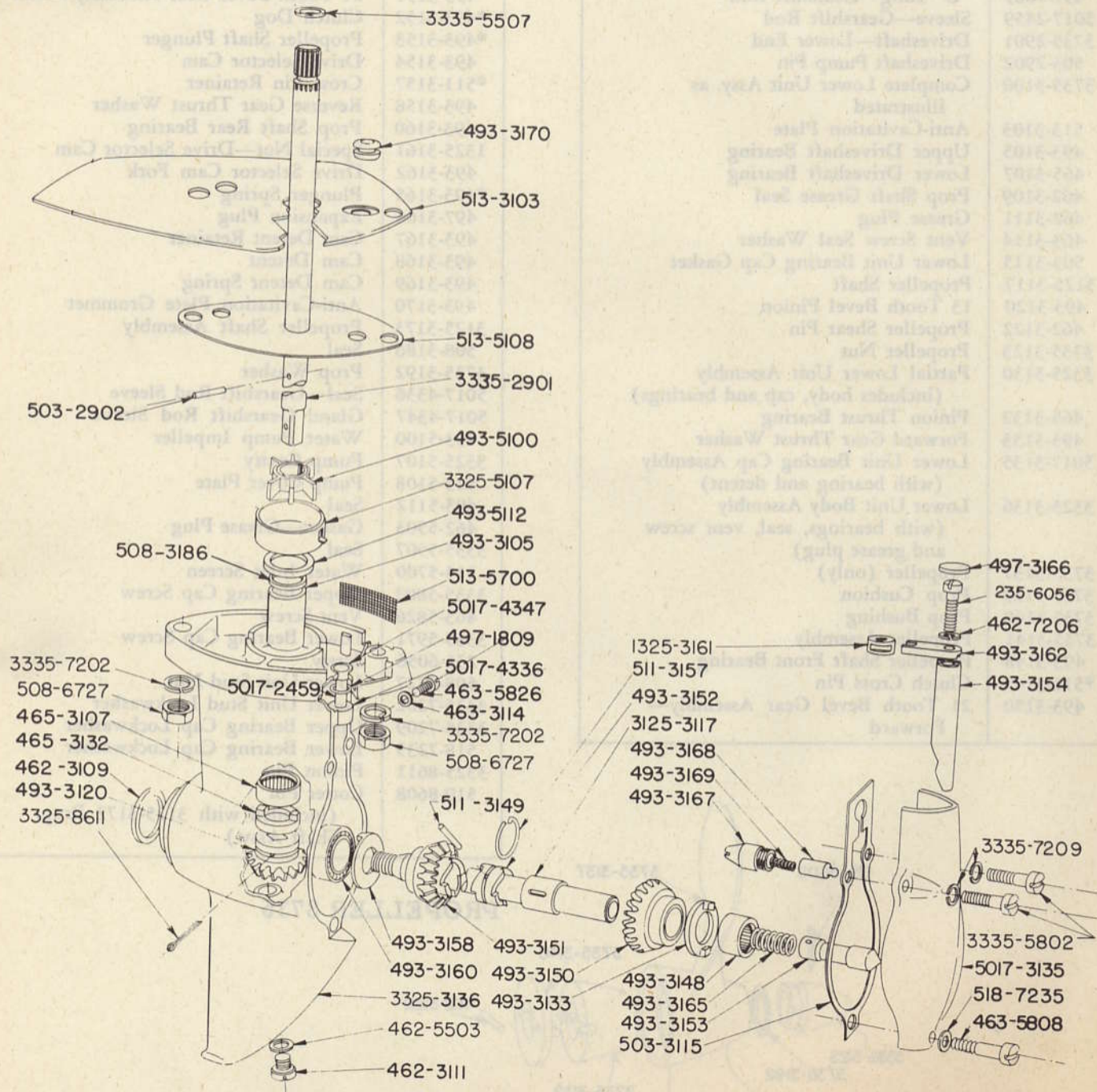
Part Number	Description
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*511-3157	Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
1325-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
3125-3173	Propeller Shaft Assembly Seal
508-3186	Seal
3735-3192	Prop Washer
5017-4336	Seal—Gearshift Rod Sleeve
5017-4347	Gland Gearshift Rod Sleeve
493-5100	Water Pump Impeller
3325-5107	Pump Cavity
513-5108	Pump Cover Plate
493-5112	Seal
462-5503	Gasket—Grease Plug
3335-5507	Seal
513-5700	Water Inlet Screen
3335-5802	Upper Bearing Cap Screw
463-5826	Vent Screw
3335-5971	Lower Bearing Cap Screw
235-6056	Screw
508-6727	Lower Unit Stud Nut
3335-7202	Lower Unit Stud Lockwasher
3335-7209	Upper Bearing Cap Lockwasher
518-7235	Lower Bearing Cap Lockwasher
3325-8611	Pinion Pin
519-8608	Cotter Pin (included with 3125-3173 Prop. Shaft Assy.)



**PROPELLER 3735**



# LOWER UNIT 3335



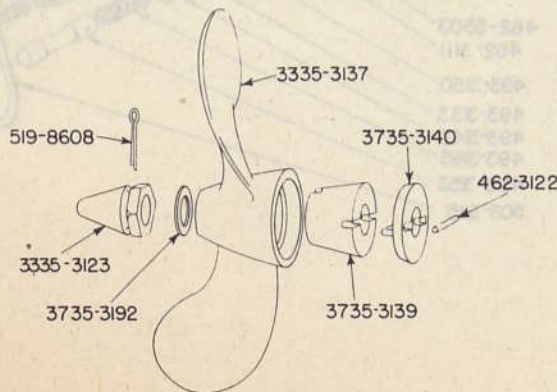


## LOWER UNIT 3335

Part Number	Description
497-1809	"O" Ring—Gearshift Rod
5017-2459	Sleeve—Gearshift Rod
3335-2901	Driveshaft
503-2902	Driveshaft Pump Pin
3335-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin
513-3103	Anti-Cavitation Plate
493-3105	Upper Driveshaft Bearing
465-3107	Lower Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
463-3114	Vent Screw Seal Washer
503-3115	Lower Unit Bearing Cap Gasket
*3125-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
462-3122	Propeller Shear Pin
3335-3123	Propeller Nut
3325-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
3325-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
3335-3137	Propeller (only)
3735-3139	Propeller Cushion
3735-3140	Drive Plate
3335-3141	Propeller Assembly
493-3148	Propeller Shaft Front Bearing
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly—Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog
*493-3153	Propeller Shaft Plunger

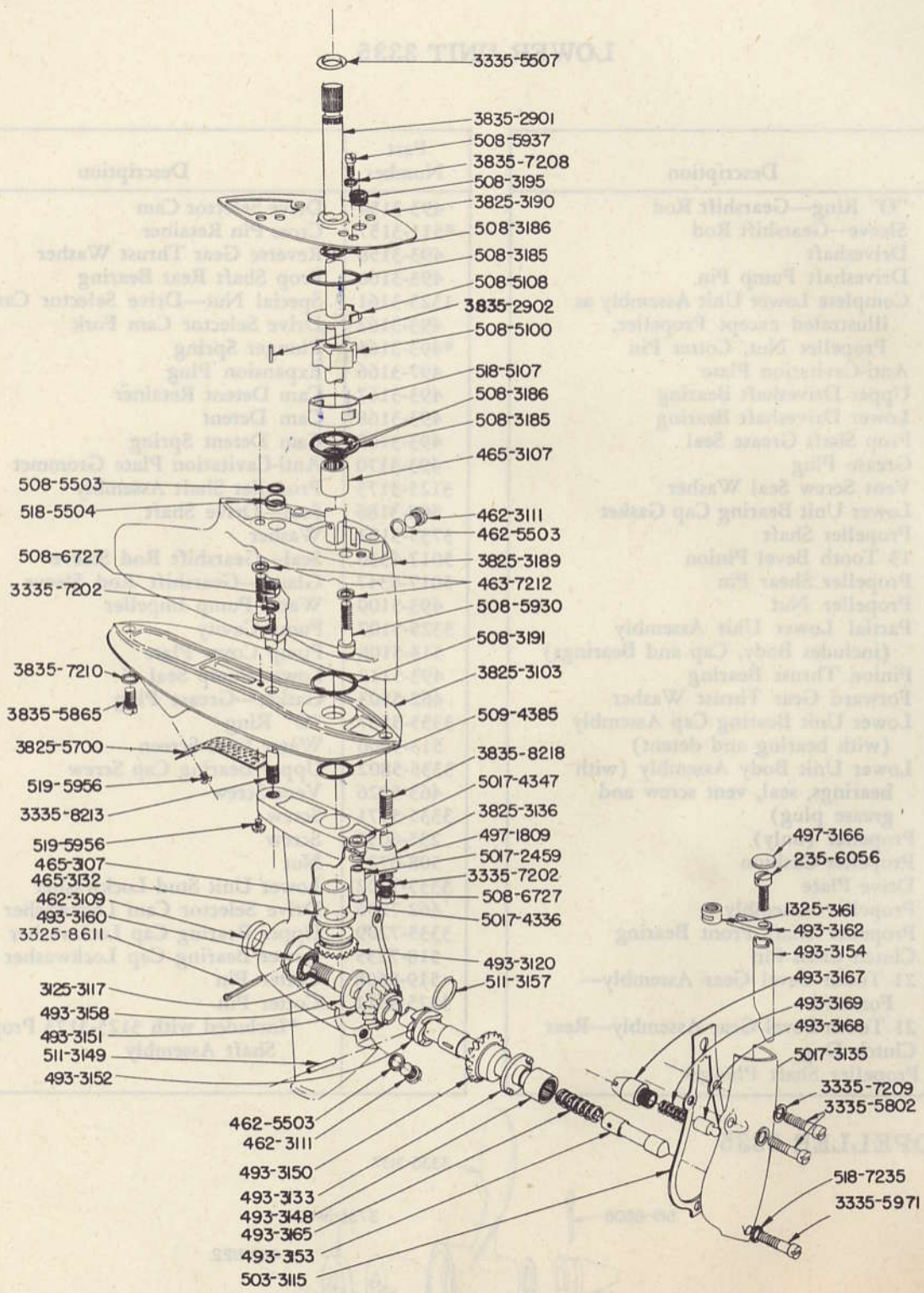
Part Number	Description
493-3154	Drive Selector Cam
*511-3157	Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
1325-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
493-3170	Anti-Cavitation Plate Grommet
3125-3173	Propeller Shaft Assembly
508-3186	Seal—Drive Shaft
3735-3192	Washer
5017-4336	Seal—Gearshift Rod Sleeve
5017-4347	Gland—Gearshift Rod Sleeve
493-5100	Water Pump Impeller
3325-5107	Pump Cavity
513-5108	Pump Cover Plate
493-5112	Lower Pump Seal
462-5503	Gasket—Grease Plug
3335-5507	"O" Ring
513-5700	Water Inlet Screen
3335-5802	Upper Bearing Cap Screw
463-5826	Vent Screw
3335-5971	Screw
235-6056	Screw
508-6727	Nut
3335-7202	Lower Unit Stud Lockwasher
462-7206	Drive Selector Cam Lockwasher
3335-7209	Upper Bearing Cap Lockwasher
518-7235	Lower Bearing Cap Lockwasher
519-8608	Cotter Pin
3325-8611	Cotter Pin
	*Included with 3125-3173 Propeller Shaft Assembly

### PROPELLER 3335





# LOWER UNIT 3835

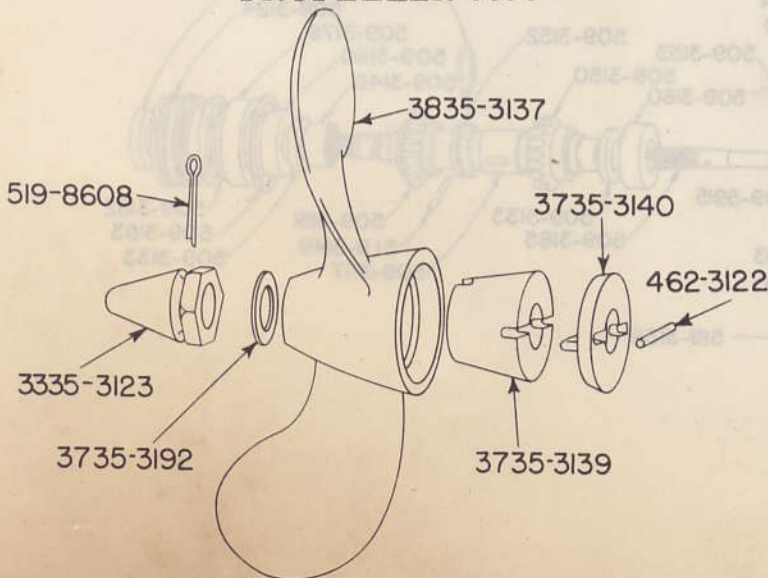




## LOWER UNIT 3835

Part Number	Description
497-1809	"O" Ring—Gearshift Rod
5017-2459	Sleeve—Gearshift Rod
3835-2901	Driveshaft
3835-2902	Driveshaft Pump Pin
3835-3100	Complete Lower Unit Assembly as illustrated except Propeller, Propeller Nut, Cotter Pin
3825-3103	Anti-Cavitation Plate
465-3107	Driveshaft Bearing
462-3109	Prop Shaft Grease Seal
462-3111	Grease Plug
503-3115	Lower Unit Bearing Cap Gasket
*3125-3117	Propeller Shaft
493-3120	13 Tooth Bevel Pinion
462-3122	Propeller Shear Pin
3335-3123	Propeller Nut
3825-3130	Partial Lower Unit Assembly (includes Body, Cap and Bearings)
465-3132	Pinion Thrust Bearing
493-3133	Forward Gear Thrust Washer
5017-3135	Lower Unit Bearing Cap Assembly (with bearing and detent)
3825-3136	Lower Unit Body Assembly (with bearings, seal, vent screw and grease plug)
3835-3137	Propeller (only)
3735-3139	Propeller Cushion
3735-3140	Drive Plate
3835-3141	Propeller Assembly
493-3148	Propeller Shaft Front Bearing
*511-3149	Clutch Cross Pin
493-3150	21 Tooth Bevel Gear Assembly Forward
493-3151	21 Tooth Bevel Gear Assembly—Rear
*493-3152	Clutch Dog

### PROPELLER 3835



Part Number	Description
*493-3153	Propeller Shaft Plunger
493-3154	Drive Selector Cam
*511-3157	Cross Pin Retainer
493-3158	Reverse Gear Thrust Washer
493-3160	Prop Shaft Rear Bearing
1325-3161	Special Nut—Drive Selector Cam
493-3162	Drive Selector Cam Fork
*493-3165	Plunger Spring
497-3166	Expansion Plug
493-3167	Cam Detent Retainer
493-3168	Cam Detent
493-3169	Cam Detent Spring
3125-3173	Propeller Shaft Assembly
508-3185	Seal
508-3186	Seal
3825-3189	Housing
3825-3190	Splash Plate
508-3191	Seal
3735-3192	Washer
508-3195	Grommet
5017-4336	Seal—Gearshift Rod Sleeve
5017-4347	Gland—Gearshift Rod Sleeve
509-4385	Seal
508-5100	Water Pump Impeller
518-5107	Pump Cavity
508-5108	Pump Cover Plate
462-5503	Gasket—Grease Plug
508-5503	Seal
518-5504	Sleeve
3335-5507	"O" Ring
3825-5700	Water Inlet Screen
3335-5802	Upper Bearing Cap Screw
3835-5865	Screw
508-5930	Screw
508-5937	Screw
519-5956	Screw
3335-5971	Screw
235-6056	Screw
508-6727	Nut
3335-7202	Lower Unit Stud Lockwasher
3835-7208	Lockwasher
3335-7209	Upper Bearing Cap Lockwasher
3835-7210	Lockwasher
463-7212	Lockwasher
518-7235	Lower Bearing Cap Lockwasher
3335-8213	Stud
3835-8218	Stud
519-8608	Cotter Pin
3325-8611	Cotter Pin
	*Included with 3125-3173 Propeller Shaft Assembly

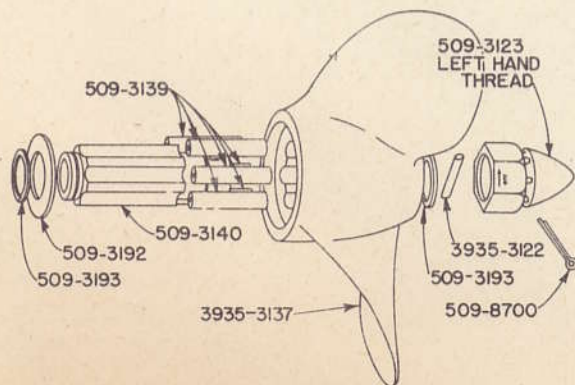


## LOWER UNIT 3935

Part Number	Description
497-1806	"O" Ring
3935-2901	Drive Shaft
3935-2902	Impeller Pin
3935-3100	Complete Lower Unit Assembly as Illustrated
519-3102	Lower Unit—Top Section
519-3103	Anti-Cavitation Plate
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
*509-3117	Propeller Shaft
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
519-3136	Lower Unit Body Assembly
†509-3148	Bearing—Reverse Gear
*519-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
519-3157	Retainer—Clutch Cross Pin
509-3160	Bearing—Front & Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
509-3170	Grommet
509-3173	Propeller Shaft Assembly
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring Bearing

Part Number	Description
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
509-3184	Seal Ring—Cam Cavity & Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-3186	Grease Seal—Drive Shaft
509-3187	Grommet Shift Tube
519-3189	Pump Housing
509-3191	Seal Ring—Drive Shaft Lower Pump Housing
509-3197	Shim Washer
509-4309	Shift Rod
509-4350	Shift Rod Tube Assembly
509-5100	Impeller
509-5107	Pump Cavity
509-5108	Pump Cover Plate
462-5503	Gasket—Grease Plug
519-5700	Water Inlet Screen
519-5700	Water Inlet Screen
462-5808	Screw—Drive Selector Cam
480-5865	Screw—Anti-Cavitation Plate
509-5915	Set Screw—Rear Cap
519-5956	Screw—Water Inlet Screen
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
462-7210	Lockwasher—Anti-Cavitation Plate Screw
509-8203	Stud—Front
519-8204	Stud—Rear
3935-8612	Pin—Pinion
	†Included in 509-3151 Assembly
	*Included in 509-3173 Assembly

Early Model - See 3925



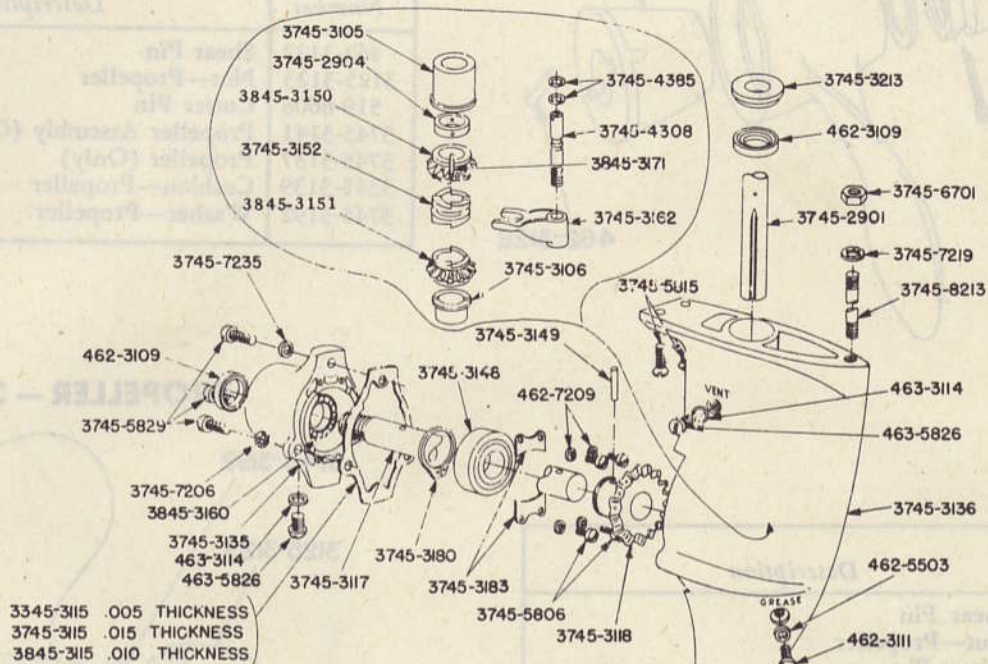
## PROPELLER 3935

Part Number	Description
3935-3122	Propeller Shear Pin
509-3123	Propeller Nut
3935-3137	Propeller (Only)
509-3139	Propeller Cushion
509-3140	Propeller Bushing
3935-3141	Propeller Assembly (Includes 3935-3137 thru 509-3193)
509-3192	Washer—Propeller Cushion Retainer
509-3193	Retaining Ring—Propeller Bushing
509-8700	Cotter Pin



(LOWER UNIT — 3045 P-32)

## LOWER UNIT — 3745

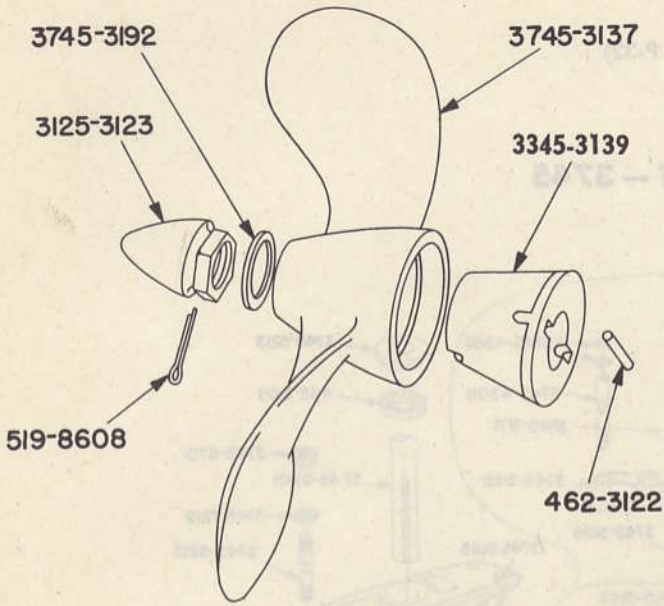


Part Number	Description
3745-2901	Drive Shaft
3745-2904	Retainer—Drive Shaft
3745-3100	Lower Unit (Complete as Illustrated)
3745-3105	Bearing—Upper—Drive Shaft
3745-3106	Bearing—Lower—Drive Shaft
462-3109	Seal
462-3111	Grease Plug
463-3114	Seal
3345-3115	Gasket—.005 Thickness (Blue)
3745-3115	Gasket—.015 Thickness (Pink)
3845-3115	Gasket—.010 Thickness (Brown)
*3745-3117	Propeller Shaft Only
*3745-3118	Gear—Propeller Shaft
3745-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3745-3136	Body—Lower Unit
*3745-3148	Bearing—Front Propeller Shaft
*3745-3149	Pin—Gear Retainer
3845-3150	Forward Gear Assy.
3845-3151	Reverse Gear Assy.

Part Number	Description
3745-3152	Clutch Dog
3845-3160	Bearing—Rear Propeller Shaft
3745-3162	Fork—Drive Selector
3845-3171	Pin—Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring—Front Bearing
*3745-3183	Pin—Gear
3745-3213	Dowel—Lower Unit to Exhaust Case
3745-4308	Extension—Drive Selector Fork
3745-4385	Seal—Fork Extension
462-5503	Seal—Grease Plug
3745-5806	Screw—Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw—Bearing Cap
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud—Lower Unit
	*Included in 3745-3173 Assembly

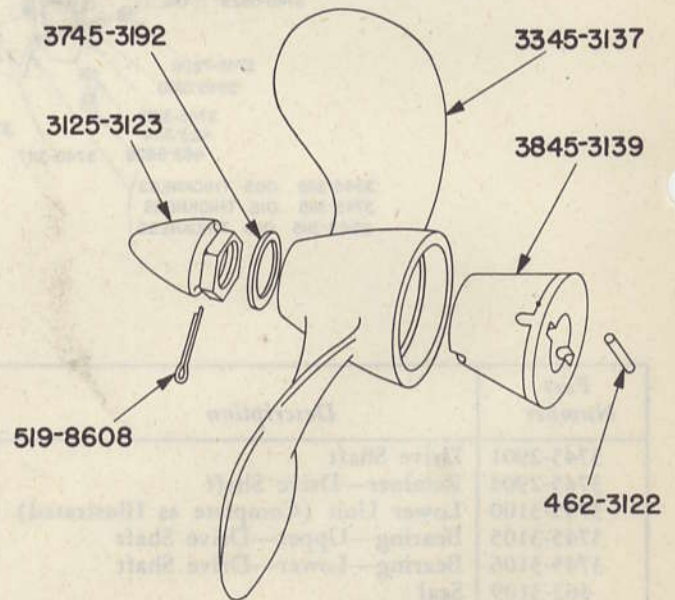


## PROPELLER — 3745



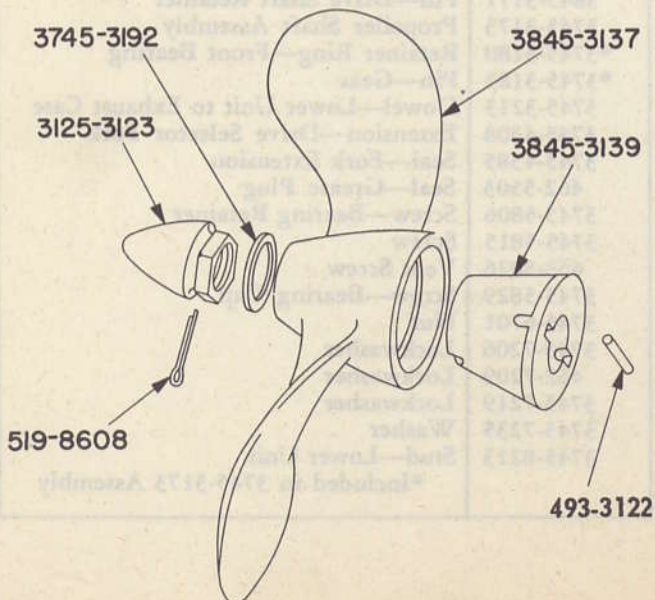
Part Number	Description
462-3122	Shear Pin
3125-3123	Nut—Propeller
519-8608	Cotter Pin
3745-3141	Propeller Assembly (Complete)
3745-3137	Propeller (Only)
3345-3139	Cushion—Propeller
3745-3192	Washer—Propeller

## PROPELLER — 3345



Part Number	Description
462-3122	Shear Pin
3125-3123	Nut—Propeller
519-8608	Cotter Pin
3345-3141	Propeller Assembly (Complete)
3345-3137	Propeller (Only)
3845-3139	Cushion—Propeller
3745-3192	Washer—Propeller

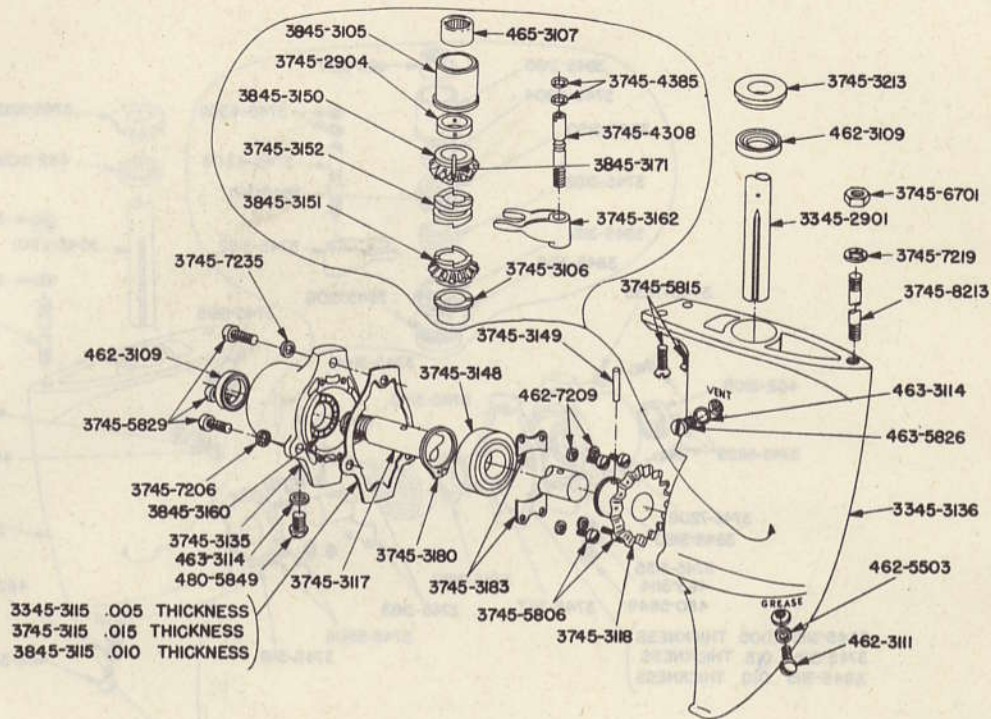
## PROPELLER — 3845, 3855



Part Number	Description
493-3122	Shear Pin
3125-3123	Nut—Propeller
3845-3137	Propeller (only)
3845-3139	Cushion—Propeller
3845-3141	Propeller Assembly (complete)
3745-3192	Washer—Propeller
519-8608	Cotter Pin



## LOWER UNIT - 3345

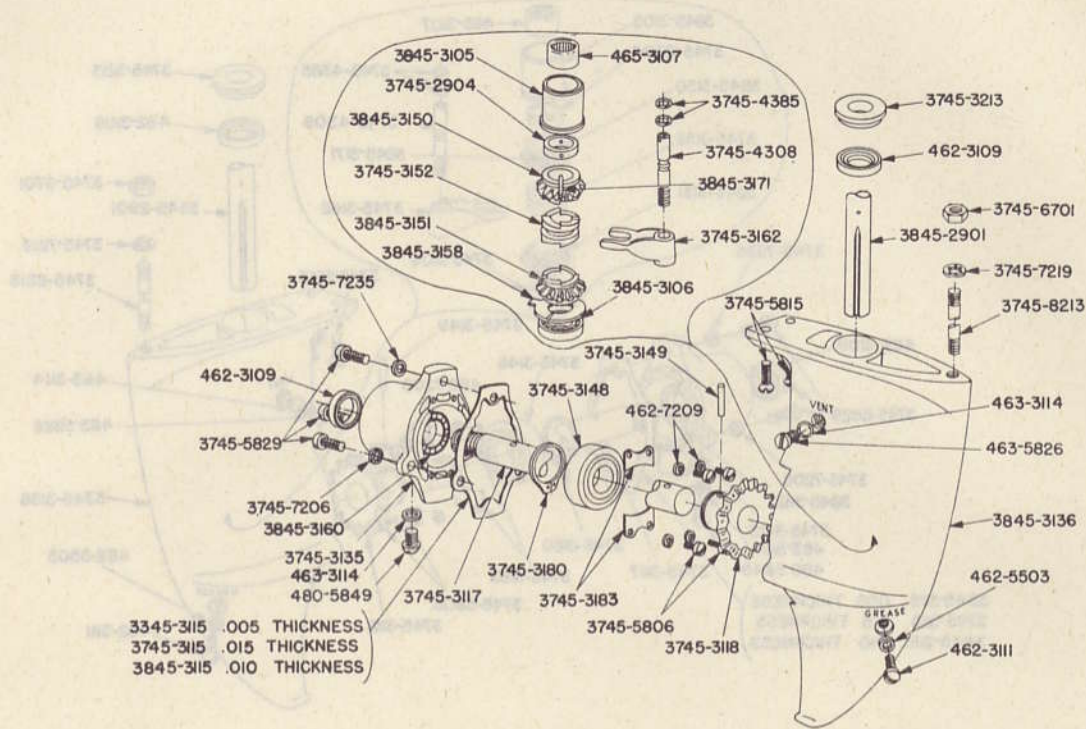


Part Number	Description
3345-2901	Drive Shaft
3745-2904	Retainer—Drive Shaft
3345-3100	Lower Unit (Complete as Illustrated)
3845-3105	Bearing Retainer—Upper—Drive Shaft
3745-3106	Bearing—Lower—Drive Shaft
465-3107	Roller Bearing—Upper—Drive Shaft
462-3109	Seal
462-3111	Grease Plug
463-3114	Seal
3345-3115	Gasket—.005 Thickness (Blue)
3745-3115	Gasket—.015 Thickness (Pink)
3845-3115	Gasket—.010 Thickness (Brown)
*3745-3117	Propeller Shaft Only
*3745-3118	Gear—Propeller Shaft
3345-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3345-3136	Body—Lower Unit
*3745-3148	Bearing—Front Propeller Shaft
*3745-3149	Pin—Gear Retainer
3845-3150	Gear—Forward
3845-3151	Gear—Rear

Part Number	Description
3745-3152	Clutch Dog
3845-3160	Bearing—Rear Propeller Shaft
3745-3162	Fork—Drive Selector
3845-3171	Pin—Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring—Front Bearing
*3745-3183	Retainer Plate—Front Bearing
3745-3213	Dowel—Lower Unit to Exhaust Case
3745-4308	Extension—Drive Selector Fork
3745-4385	Seal—Fork Extension
462-5503	Seal—Grease Plug
3745-5806	Screw—Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw—Bearing Cap
480-5849	Drain Screw
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud—Lower Unit
*Included in 3745-3173 Assembly	



## LOWER UNIT - 3845



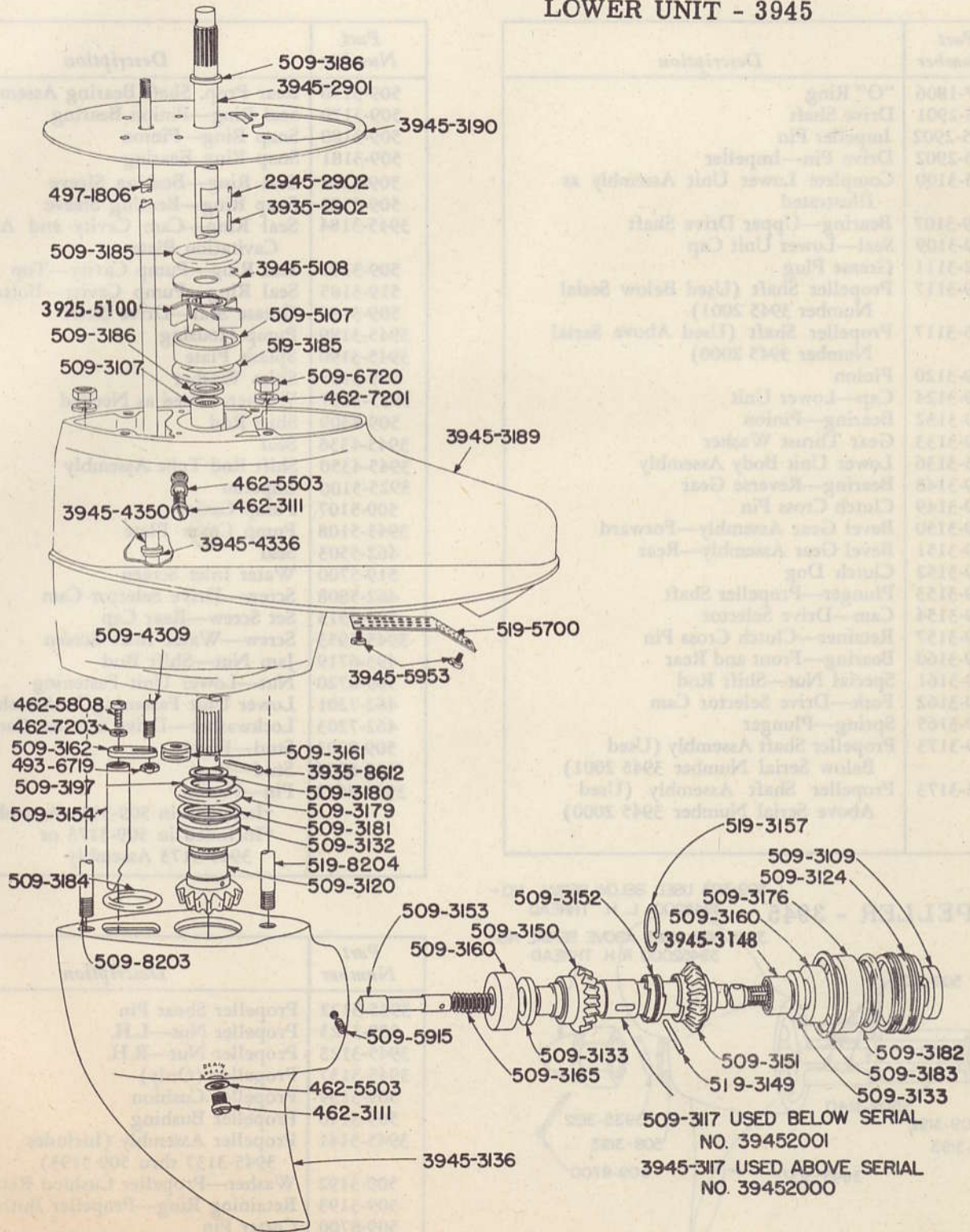
Part Number	Description
3845-2901	Drive Shaft
3745-2904	Retainer—Drive Shaft
3845-3100	Lower Unit (Complete as Illustrated)
3845-3105	Bearing Retainer—Upper—Drive Shaft
3845-3106	Bearing—Lower—Drive Shaft
465-3107	Roller Bearing—Upper—Drive Shaft
462-3109	Seal
462-3111	Grease Plug
463-3114	Seal
3345-3115	Gasket—.005 Thickness (Blue)
3745-3115	Gasket—.015 Thickness (Pink)
3845-3115	Gasket—.010 Thickness (Brown)
*3745-3117	Propeller Shaft Only
*3745-3118	Gear—Propeller Shaft
3845-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3845-3136	Body—Lower Unit
*3745-3148	Bearing—Front Propeller Shaft
*3745-3149	Pin—Gear Retainer
3845-3150	Gear—Forward
3845-3151	Gear—Rear

Part Number	Description
3745-3152	Clutch Dog
3845-3158	Thrust Washer
3845-3160	Bearing—Rear Propeller Shaft
3745-3162	Fork—Drive Selector
3845-3171	Pin—Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring—Front Bearing
*3745-3183	Retainer Plate—Front Bearing
3745-3213	Dowel—Lower Unit to Exhaust Case
3745-4308	Extension—Drive Selector Fork
3745-4385	Seal—Fork Extension
462-5503	Seal—Grease Plug
3745-5806	Screw—Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw—Bearing Cap
480-5849	Drain Screw
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud—Lower Unit
*Included in 3745-3173 Assembly	



LOWER UNIT - 3945

LOWER UNIT - 3945



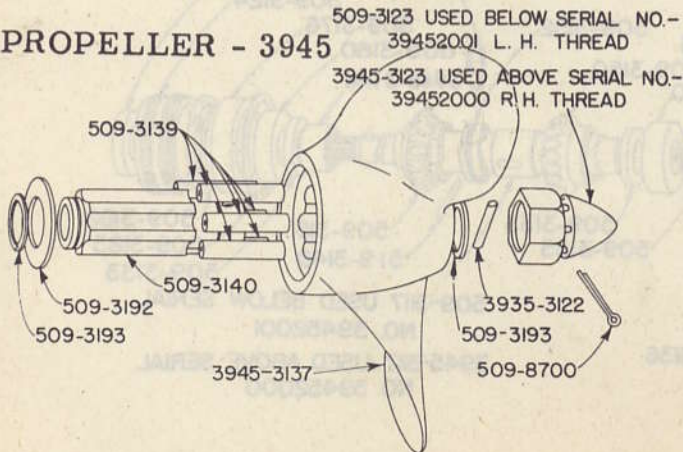


## LOWER UNIT - 3945

Part Number	Description
497-1806	"O" Ring
3945-2901	Drive Shaft
3935-2902	Impeller Pin
2945-2902	Drive Pin—Impeller
3945-3100	Complete Lower Unit Assembly as Illustrated
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
*509-3117	Propeller Shaft (Used Below Serial Number 3945 2001)
*3945-3117	Propeller Shaft (Used Above Serial Number 3945 2000)
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
3945-3136	Lower Unit Body Assembly
†509-3148	Bearing—Reverse Gear
*519-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
519-3157	Retainer—Clutch Cross Pin
509-3160	Bearing—Front and Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
509-3173	Propeller Shaft Assembly (Used Below Serial Number 3945 2001)
3945-3173	Propeller Shaft Assembly (Used Above Serial Number 3945 2000)

Part Number	Description
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
3945-3184	Seal Ring—Cam Cavity and Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-3186	Grease Seal—Drive Shaft
3945-3189	Pump Housing
3945-3190	Splash Plate
509-3197	Shim Washer
3935-3197	Washer—Used as Needed
509-4309	Shift Rod
3945-4336	Seal
3945-4350	Shift Rod Tube Assembly
3925-5100	Impeller
509-5107	Pump Cavity
3945-5108	Pump Cover Plate
462-5503	Seal
519-5700	Water Inlet Screen
462-5808	Screw—Drive Selector Cam
509-5915	Set Screw—Rear Cap
3945-5953	Screw—Water Inlet Screen
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
509-8203	Stud—Front
519-8204	Stud—Rear
3935-8612	Pin—Pinion
	†Included in 509-3151 Assembly
	*Included in 509-3173 or 3945-3173 Assembly

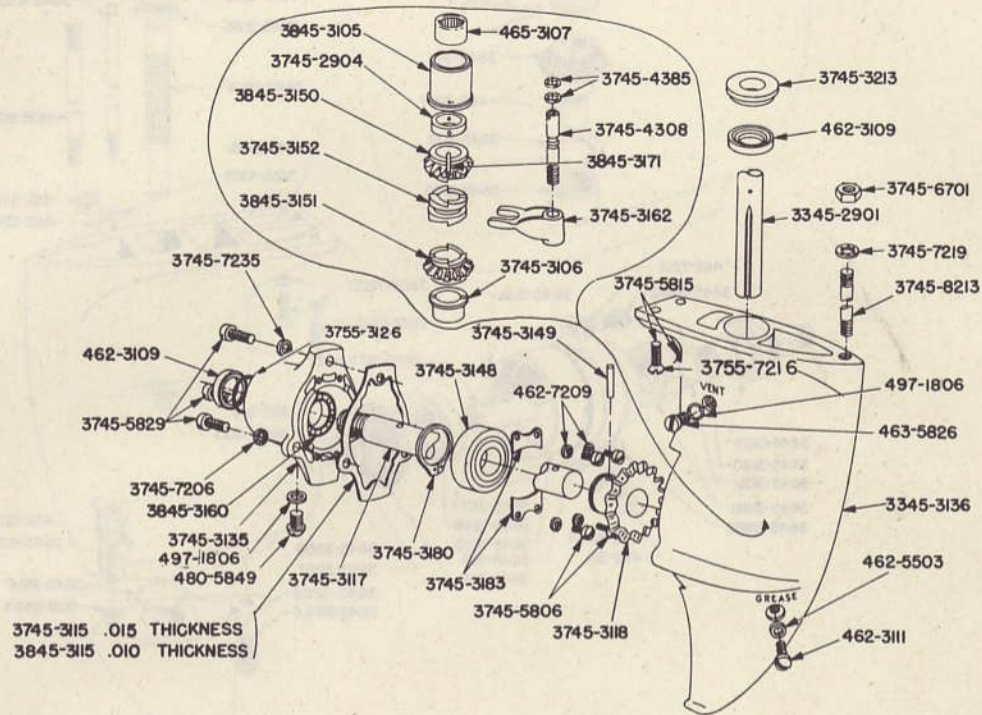
### PROPELLER - 3945



Part Number	Description
3935-3122	Propeller Shear Pin
509-3123	Propeller Nut—L.H.
3945-3123	Propeller Nut—R.H.
3945-3137	Propeller (Only)
509-3139	Propeller Cushion
509-3140	Propeller Bushing
3945-3141	Propeller Assembly (Includes 3945-3137 thru 509-3193)
509-3192	Washer—Propeller Cushion Retainer
509-3193	Retaining Ring—Propeller Bushing
509-8700	Cotter Pin



## LOWER UNIT — 3355

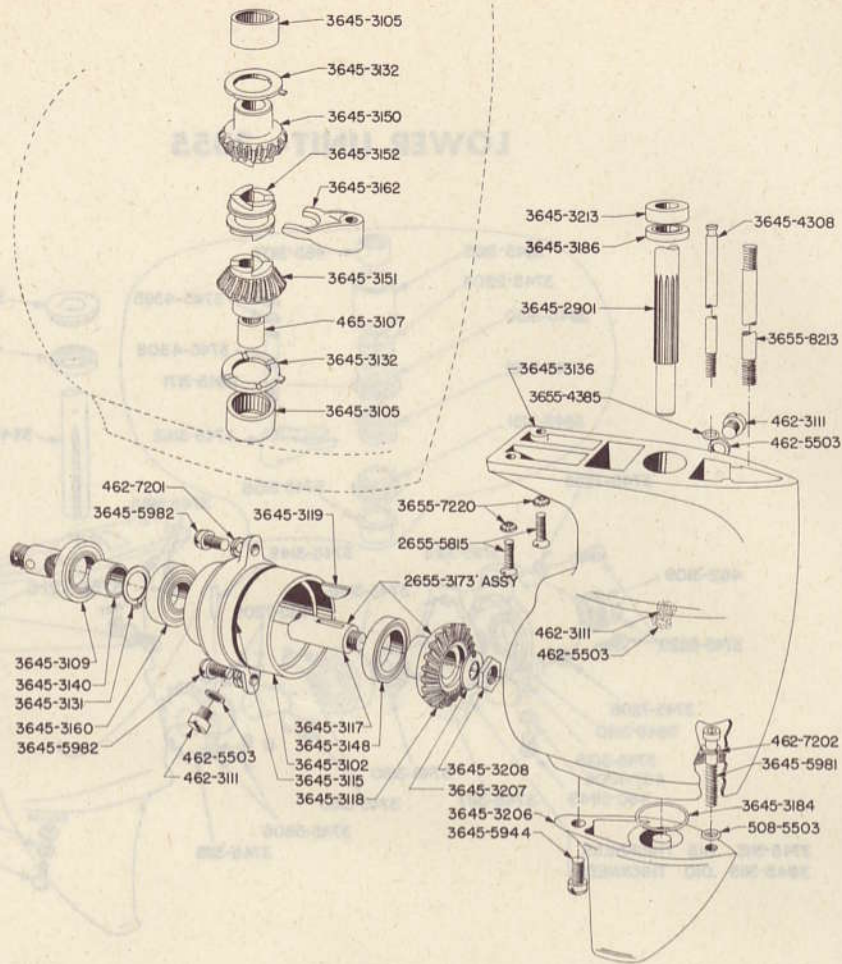


Part Number	Description
497-1806	Seal
3345-2901	Drive Shaft
3745-2904	Retainer—Drive Shaft
3345-3100	Lower Unit (Complete as Illustrated)
3845-3105	Bearing Retainer—Upper—Drive Shaft
3745-3106	Bearing—Lower—Drive Shaft
465-3107	Roller Bearing—Upper—Drive Shaft
462-3109	Seal
462-3111	Grease Plug
3745-3115	Gasket—.015 Thickness
3845-3115	Gasket—.010 Thickness
*3745-3117	Propeller Shaft Only
*3745-3118	Gear—Propeller Shaft
3755-3126	"O" Ring
3345-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3345-3136	Body—Lower Unit
*3745-3148	Bearing—Front Propeller Shaft
*3745-3149	Pin—Gear Retainer
3845-3150	Gear—Forward
3845-3151	Gear—Rear

Part Number	Description
3745-3152	Clutch Dog
3845-3160	Bearing—Rear Propeller Shaft
3745-3162	Fork—Drive Selector
3845-3171	Pin—Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring—Front Bearing
*3745-3183	Retainer Plate—Front Bearing
3745-3213	Dowel—Lower Unit to Exhaust Case
3745-4308	Extension—Drive Selector Fork
3745-4385	Seal—Fork Extension
462-5503	Seal—Grease Plug
3745-5806	Screw—Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw—Bearing Cap
480-5849	Drain Screw
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3755-7216	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud—Lower Unit
	*Included in 3745-3173 Assembly



# LOWER UNIT—3655



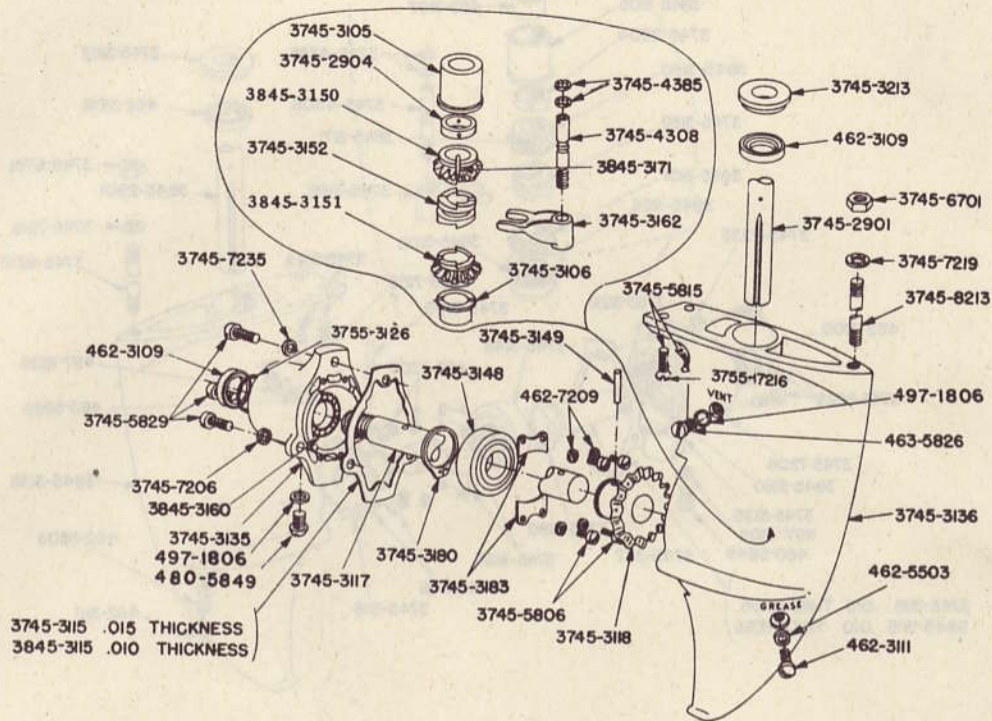
Part Number	Description
3645-2901	Drive Shaft
3655-3100	Lower Unit Comp.
3645-3102	Cap—L. U. Brg.
3645-3105	Bearing—Fwd. and Rev. Gear
465-3107	Bearing—Rev. Gear
3645-3109	Seal—Propeller Shaft
462-3111	Screw—Drain
3645-3115	Seal—Cap
3655-3115	Cap Shim — Use as Required
*3645-3117	Propeller Shaft
*3645-3118	Gear—Propeller Shaft
3645-3119	Key—Gear to Shaft
3645-3130	Partial L. U.—(Body—Cap and Brgs.)
3645-3131	Retaining Ring
3645-3132	Thrust Washer
3645-3136	L. U. Body Assembly
3645-3140	Sleeve—Propeller Shaft
3645-3148	Bearing—Front
3645-3150	Forward Gear Assembly
3645-3151	Reverse Gear Assembly
3645-3152	Clutch Dog
3645-3160	Bearing—Rear
3645-3162	Fork
2655-3173	Propeller Shaft Assembly

Part Number	Description
3645-3184	Seal
3645-3186	Seal—Drive Shaft
3645-3206	Skeg
3645-3207	Washer
3645-3208	Nut
3645-3213	Dowel
3645-4308	Shift Rod—Lower
3655-4385	Seal—Shift Rod
462-5503	Seal
508-5503	Seal—Skeg Screw
2655-5815	Screw—L. U.
3645-5944	Screw—Skeg
3645-5981	Screw—Skeg
3645-5982	Screw—Brg. Cap
462-7201	Lockwasher
462-7202	Lockwasher
3655-7220	Lockwasher
3655-8213	Stud

\*2655-3173 used below Serial No. 36553001,  
3645-3117 and 3645-3118 used above  
Serial No. 36553000



## LOWER UNIT—3755

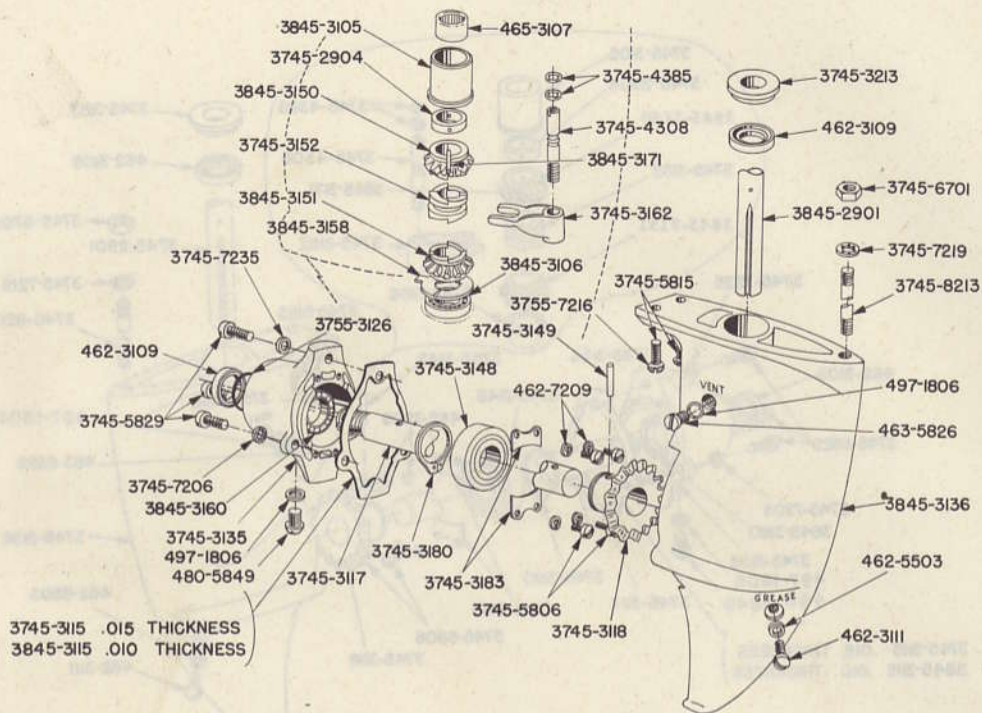


Part Number	Description
497-1806	Seal
3745-2901	Drive Shaft
3745-2904	Retainer — Drive Shaft
3745-3100	Lower Unit (Complete as Illustrated)
3745-3105	Bearing — Upper — Drive Shaft
3745-3106	Bearing — Lower — Drive Shaft
462-3109	Seal
462-3111	Grease Plug
3745-3115	Gasket — .015 Thickness
3845-3115	Gasket — .010 Thickness
*3745-3117	Propeller Shaft Only
*3745-3118	Gear — Propeller Shaft
3755-3126	"O" Ring
3745-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3745-3136	Body — Lower Unit
*3745-3148	Bearing — Front Propeller Shaft
*3745-3149	Pin — Gear Retainer
3845-3150	Forward Gear Assy.
3845-3151	Reverse Gear Assy.

Part Number	Description
3745-3152	Clutch Dog
3845-3160	Bearing — Rear Propeller Shaft
3745-3162	Fork — Drive Selector
3845-3171	Pin — Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring — Front Bearing
*3745-3183	Retainer
3745-3213	Dowel — Lower Unit to Exhaust Case
3745-4308	Extension — Drive Selector Fork
3745-4385	Seal — Fork Extension
462-5503	Seal — Grease Plug
3745-5806	Screw — Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw — Bearing Cap
480-5849	Vent Screw
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3755-7216	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud — Lower Unit
*Included in 3745-3173 Assembly	



## LOWER UNIT—3855

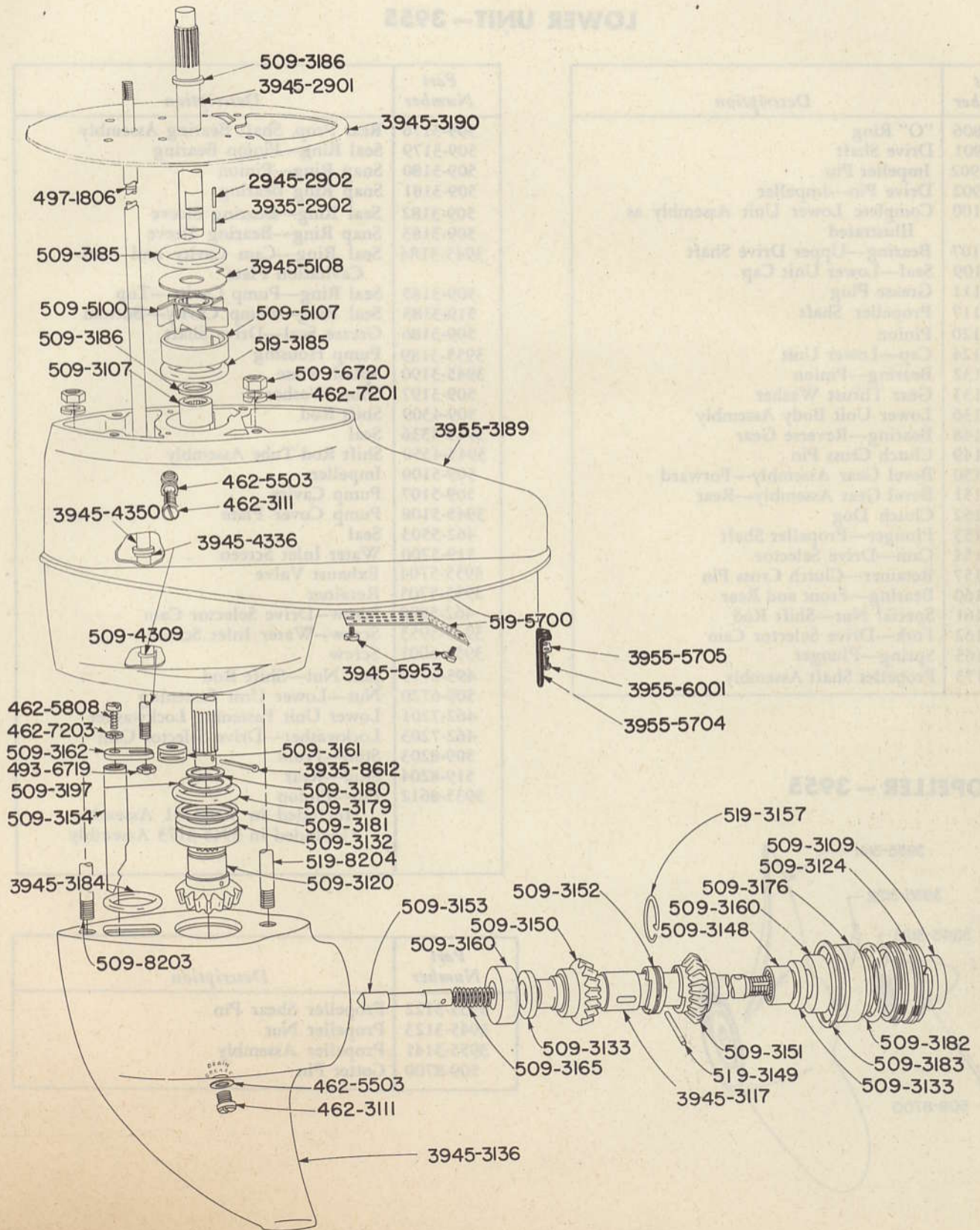


Part Number	Description
497-1806	Seal
3845-2901	Drive Shaft
3745-2904	Retainer—Drive Shaft
3845-3100	Lower Unit (Complete as Illustrated)
3845-3105	Bearing Retainer—Upper—Drive Shaft
3845-3106	Bearing—Lower—Drive Shaft
465-3107	Roller Bearing—Upper—Drive Shaft
462-3109	Seal
462-3111	Grease Plug
3745-3115	Gasket
3845-3115	Gasket
*3745-3117	Propeller Shaft Only
*3745-3118	Gear—Propeller Shaft
3755-3126	"O" Ring
3845-3130	Partial Lower Unit (Body, Cap and Bearings)
3745-3135	Cap Assembly
3845-3136	Body—Lower Unit
*3745-3148	Bearing—Front Propeller Shaft
*3745-3149	Pin—Gear Retainer
3845-3150	Gear—Forward
3845-3151	Gear—Rear

Part Number	Description
3745-3152	Clutch Dog
3845-3158	Thrust Washer
3845-3160	Bearing—Rear Propeller Shaft
3745-3162	Fork—Drive Selector
3845-3171	Pin—Drive Shaft Retainer
3745-3173	Propeller Shaft Assembly
*3745-3180	Retainer Ring—Front Bearing
3745-3183	Retainer Plate—Front Bearing
3745-3213	Dowel—Lower Unit to Exhaust Case
3745-4308	Extension—Drive Selector Fork
3745-4385	Seal—Fork Extension
462-5503	Seal—Grease Plug
3745-5806	Screw—Bearing Retainer
3745-5815	Screw
463-5826	Vent Screw
3745-5829	Screw—Bearing Cap
480-5849	Drain Screw
3745-6701	Nut
3745-7206	Lockwasher
462-7209	Lockwasher
3755-7216	Lockwasher
3745-7219	Lockwasher
3745-7235	Washer
3745-8213	Stud—Lower Unit
	*Included in 3745-3173 Assembly



# LOWER UNIT—3955



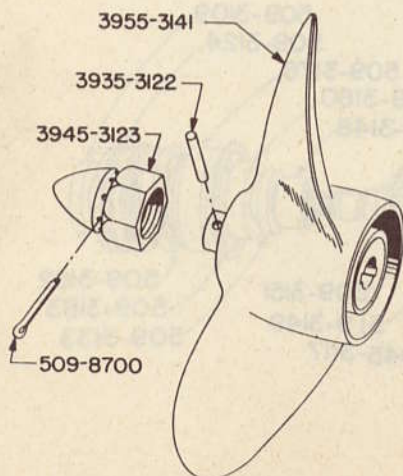


## LOWER UNIT—3955

Part Number	Description
497-1806	"O" Ring
3945-2901	Drive Shaft
3935-2902	Impeller Pin
2945-2902	Drive Pin—Impeller
3955-3100	Complete Lower Unit Assembly as Illustrated
509-3107	Bearing—Upper Drive Shaft
509-3109	Seal—Lower Unit Cap
462-3111	Grease Plug
*3945-3117	Propeller Shaft
509-3120	Pinion
509-3124	Cap—Lower Unit
509-3132	Bearing—Pinion
509-3133	Gear Thrust Washer
3945-3136	Lower Unit Body Assembly
†509-3148	Bearing—Reverse Gear
*519-3149	Clutch Cross Pin
509-3150	Bevel Gear Assembly—Forward
509-3151	Bevel Gear Assembly—Rear
*509-3152	Clutch Dog
*509-3153	Plunger—Propeller Shaft
509-3154	Cam—Drive Selector
519-3157	Retainer—Clutch Cross Pin
509-3160	Bearing—Front and Rear
509-3161	Special Nut—Shift Rod
509-3162	Fork—Drive Selector Cam
*509-3165	Spring—Plunger
3945-3173	Propeller Shaft Assembly

Part Number	Description
509-3176	Rear Prop. Shaft Bearing Assembly
509-3179	Seal Ring—Pinion Bearing
509-3180	Snap Ring—Pinion
509-3181	Snap Ring Bearing
509-3182	Seal Ring—Bearing Sleeve
509-3183	Snap Ring—Bearing Sleeve
3945-3184	Seal Ring—Cam Cavity and Anti-Cavitation Plate
509-3185	Seal Ring—Pump Cavity—Top
519-3185	Seal Ring—Pump Cavity—Bottom
509-3186	Grease Seal—Drive Shaft
3955-3189	Pump Housing
3945-3190	Splash Plate
509-3197	Shim Washer
509-4309	Shift Rod
3945-4336	Seal
3945-4350	Shift Rod Tube Assembly
509-5100	Impeller
509-5107	Pump Cavity
3945-5108	Pump Cover Plate
462-5503	Seal
519-5700	Water Inlet Screen
3955-5704	Exhaust Valve
3955-5705	Retainer
462-5808	Screw—Drive Selector Cam
3945-5953	Screw—Water Inlet Screen
3955-6001	Screw
493-6719	Jam Nut—Shift Rod
509-6720	Nut—Lower Unit Fastening
462-7201	Lower Unit Fastening Lockwasher
462-7203	Lockwasher—Drive Selector Cam
509-8203	Stud—Front
519-8204	Stud—Rear
3935-8612	Pin—Pinion
	†Included in 509-3151 Assembly
	*Included in 3945-3173 Assembly

## PROPELLER — 3955

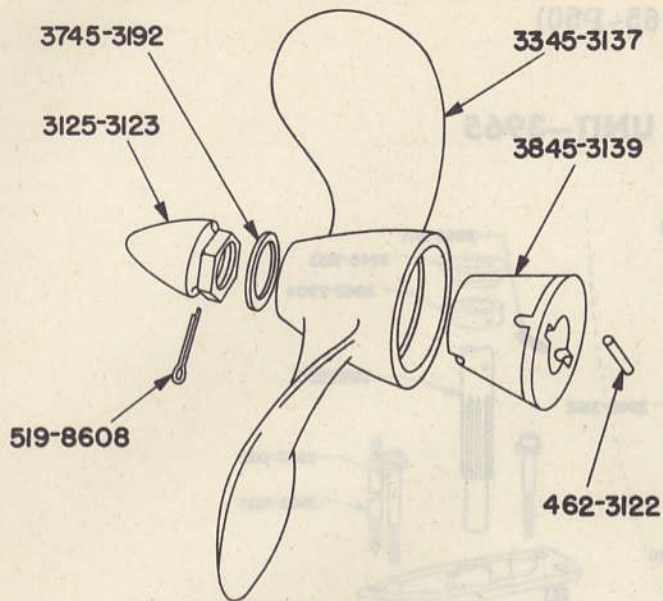


Part Number	Description
3935-3122	Propeller Shear Pin
3945-3123	Propeller Nut
3955-3141	Propeller Assembly
509-8700	Cotter Pin



### PROPELLER — 3355

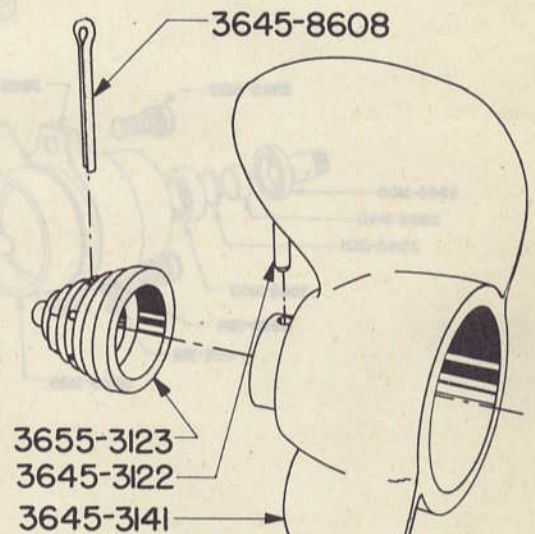
(PROPELLER — 3855 P42)



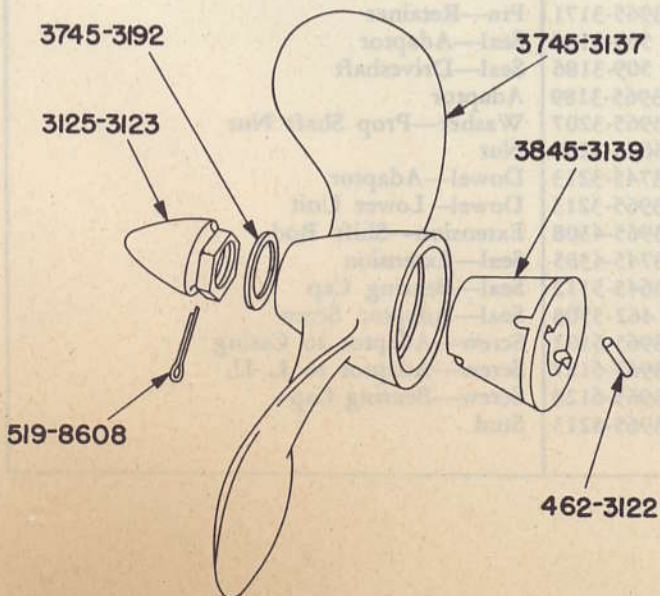
Part Number	Description
462-3122	Shear Pin
3125-3123	Nut—Propeller
3345-3137	Propeller (Only)
3845-3139	Cushion—Propeller
3345-3141	Propeller Assembly (Complete)
3745-3192	Washer—Propeller
519-8608	Cotter Pin

### PROPELLER — 3655

Part Number	Description
3645-3122	Shear Pin
3655-3123	Nut
3645-3141	Propeller Assembly
3645-8608	Cotter Pin



### PROPELLER — 3755



Part Number	Description
462-3122	Shear Pin
3125-3123	Nut—Propeller
3745-3137	Propeller (Only)
3845-3139	Cushion—Propeller
3745-3141	Propeller Assembly (Complete)
3745-3192	Washer—Propeller
519-8608	Cotter Pin



(LOWER UNIT, PUMP, AND PROPELLER- 3065 -P32)

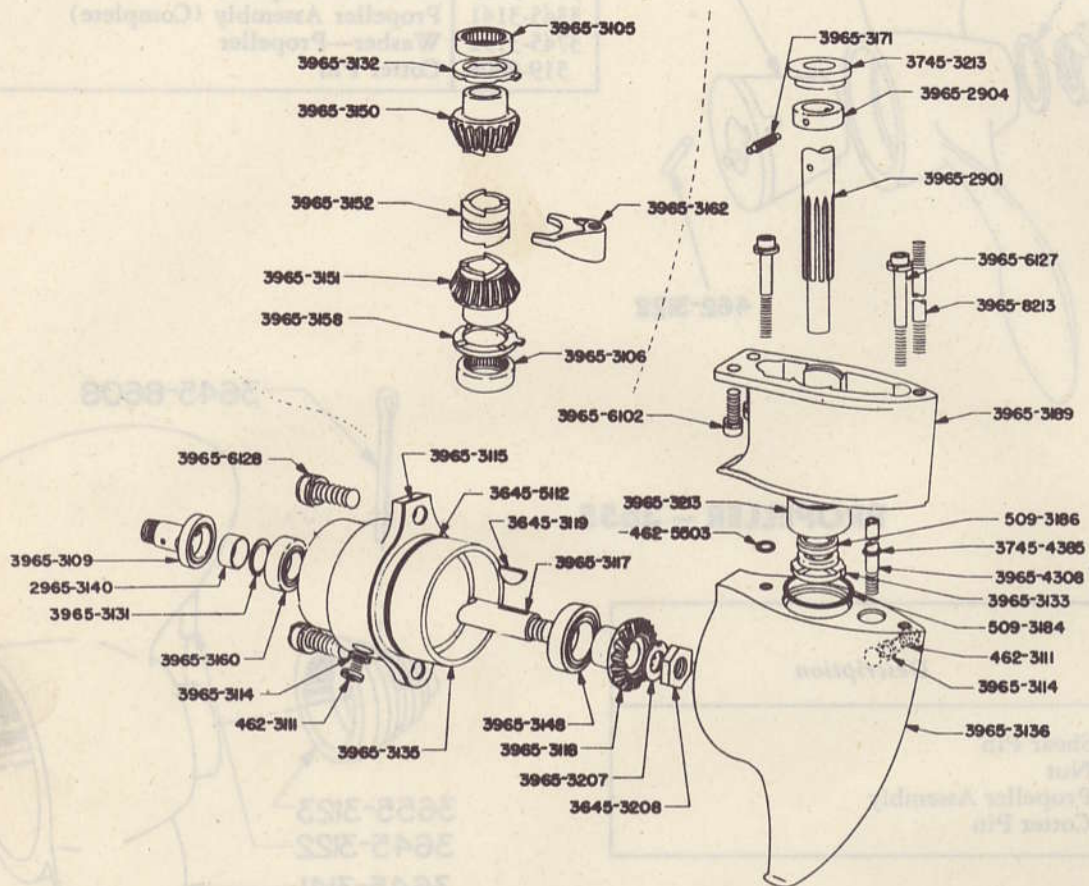
(Lower Unit - 3365-P47)

(Lower Unit - 3665-P48)

(Lower Unit - 3765-P49)

(Lower Unit - 3865-P50)

**LOWER UNIT-3965**



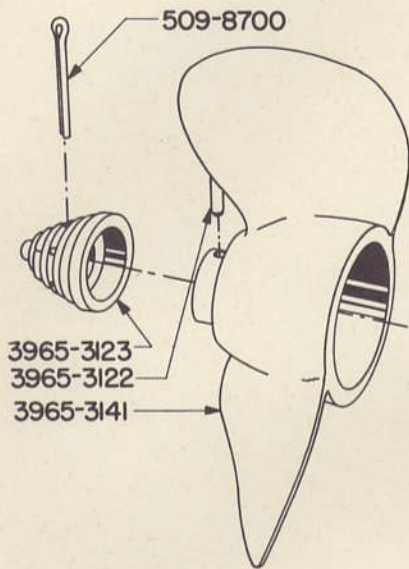
Part Number	Description
3965-2901	Driveshaft
3965-2904	Retainer
1965-3100	Lower Unit (complete)
3965-3105	Bearing—Forward Gear
3965-3106	Bearing—Reverse Gear
3965-3109	Seal—Prop Shaft
462-3111	Screw—Fill and Drain
3965-3114	Seal—Fill and Drain Screw
3965-3115	Shim—Cap to Body
3965-3117	Shaft
3965-3118	Gear—Prop Shaft
3645-3119	Key—Gear to Shaft
3965-3130	Partial Lower Unit—Cap and Body Assy.
3965-3131	Retaining Ring
3965-3132	Thrustwasher—Forward Gear
3965-3133	Thrustwasher—Driveshaft
3965-3135	Cap Assembly
3965-3136	Body Assembly
2965-3140	Sleeve
3965-3148	Bearing—Front
3965-3150	Gear Assy.—Forward
3965-3151	Gear Assy.—Reverse

Part Number	Description
3965-3152	Clutch Dog
3965-3158	Thrustwasher—Reverse Gear
3965-3160	Bearing—Rear
3965-3162	Fork—Drive Selector
3965-3171	Pin—Retainer
509-3184	Seal—Adaptor
509-3186	Seal—Driveshaft
3965-3189	Adaptor
3965-3207	Washer—Prop Shaft Nut
3645-3208	Nut
3745-3213	Dowel—Adaptor
3965-3213	Dowel—Lower Unit
3965-4308	Extension—Shift Rod
3745-4385	Seal—Extension
3645-5112	Seal—Bearing Cap
462-5503	Seal—Adaptor Screw
3965-6102	Screw—Adaptor to Casing
3965-6127	Screw—Adaptor to L. U.
3965-6128	Screw—Bearing Cap
3965-8213	Stud



(PROPELLER - 3065 P32)  
(PROPELLER - 3865 P42)

### PROPELLER—3965



<i>Part Number</i>	<i>Description</i>
3965-3122	Shear Pin
3965-3123	Nut—Prop.
3965-3141	Propeller
509-8700	Cotter Pin



# SCOTT-ATWATER SERVICE MANUAL

## SECTION H - POWERHEAD SUPPORT

### CONTENTS

	Page
PIVOT TUBE	1
WATER LINE	1
Stainless Steel Sleeve	1A
TILT ADJUSTMENT	2
SHIFT LEVER	2
'49 Shift Models	2
'50 Shift Models	2
REMOVING SHIFT LIMITERS	3
1949 SHIFT CONVERSION KIT	4
BAIL-A-MATIC	6
'54 - 5-7 1/2 and 10 HP Models	6
SHIFT ACTUATOR ASSEMBLY	7
'54 - 5-7 1/2 and 10 HP Models	7A
SPRING MOUNT - 5 - 7 1/2 - 10 HP	7B
POWERHEAD SUPPORT - 30 & 33 HP	7C
EXTENDED SHAFT	
'54 - 10 HP Model	8
'54 - 16 HP Model	8
REVERSE LOCK HOOK ASSEMBLY - 16 HP	8
EXTENDED SHAFT	
'55 - 16 HP Model	8A
'55 - 30 HP Model	8A
'56 - 33 HP Model	8A
PARTS LISTS	P1



## POWER HEAD SUPPORT

The entire powerhead is removable from the lower motor casing or exhaust housing by removal of the six nuts (or bolts, as the case may be) located immediately under the powerhead mounting flange on the lower motor casing. The lower motor casing contains no working or wearing parts - it simply provides an exhaust passage and a housing for the driveshaft from the powerhead to the lower unit.

### PIVOT TUBE

To remove the pivot tube, loosen the bolt that clamps it at the top, loosen the pivot bracket steering tension screws and drive the tube out with a long punch inserted from the bottom of the lower motor casing. After the tapered seat on the bottom end of the pivot tube has been loosened, the tube will readily slide out of the lower motor casing.

When replacing the pivot tube, tap or press it in until the tapered end is again well seated. If this tube should ever work loose it should be forced back in and clamped again at the top. Care should be used when replacing the pivot tube assembly on the '49 shift models to see that the selector rod casing is not damaged and that the upper end of the casing comes out in the slot in the top of the lower motor casing. The '50 models have a projection in the top of the tube that fits into the slot in the top of the lower motor casing.

### WATER LINE

The lower end of the water line is sealed in the lower motor casing with a small rubber gasket and a water line sleeve. On the '46 and '47 models the upper end of the water line is fastened to the lower motor casing cover plate with a compression nut and sleeve that screws on to a fitting riveted to the plate. This compression nut and sleeve can be eliminated by replacing the cover plate with the like part for the '48 models.

The 4 and the 7 1/2 HP models made in '48, '49, and '50 have the upper end of the water line sealed to the cover plate with the same rubber gasket used on the lower end. The 5 HP model has the water line sealed directly to the cylinder block with the rubber gasket. This end of the water line must be guided in place when putting on the powerhead for the '49 model.

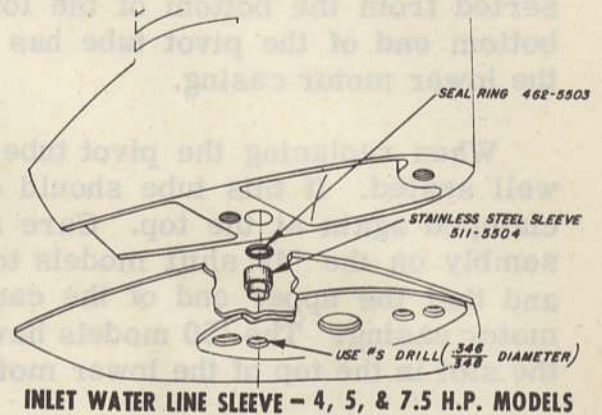
It is important that the water line is sealed at both ends to ensure an adequate supply of cooling water to the powerhead.



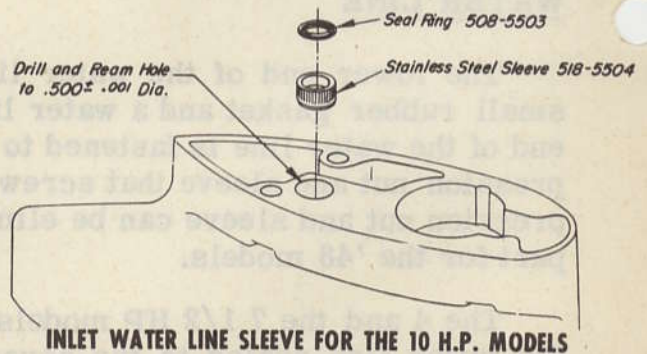
### STAINLESS STEEL WATER LINE SLEEVE

An electrolysis action sets in when two dissimilar metal parts adjacent to one another are exposed to salt water. As a result, a deposit of corroded material builds up to form a greater volume than the original metals. Because of this phenomenon, a motor may quit pumping water because the water lines have clogged up. Usually this happened at the point where the copper water line passes through an aluminum grommet, through an aluminum anticavitation plate, and into a stainless steel water pump cavity. To prevent this problem, the grommet has been changed to stainless steel and designed so that aluminum does not touch the water line at the outlet from the pump.

On all models below 10hp, remove the old aluminum sleeve and seal ring and insert the new stainless steel sleeve as shown. If the seal ring has not been damaged, it can be reused. Hold the anticavitation plate and water pump cavity cover together and enlarge the hole as specified. Be sure the holes line up, then reassemble the lower unit.



For 10 hp models, drill and ream out inlet water line hole as shown and press the stainless steel sleeve into the pump housing. The top of the sleeve should be from .063 to .078 of an inch below the surface of the pump housing at allow room for the seal ring.



The stainless steel sleeves are standard equipment on late 1951 and 1952 models.



## TILT ADJUSTMENT

If the notches for the tilt pin show undue signs of wear or possible fracture, the part should be replaced. On '48 models and older, the boat bracket cover plate should be replaced. On '49 and '50 models the tilt arm assembly should be replaced. Early 491 and 493 models were equipped with a tilt arm assembly that was changed slightly in models manufactured later in 1949. If the motor will not stay in the position of greatest tilt, this assembly should be replaced. To remove the tilt arm assembly, remove the boat bracket bolt, loosen one end of the cross piece that goes between the bottom ends of the boat bracket clamps, and manipulate each boat bracket until it is free of the tilt adjusting pin. The upper arms on the tilt arm assembly can then be spread and removed. Reverse the above procedure when replacing the tilt arm assembly.



*Replacing tilt arm assembly.*

## SHIFT LEVER

Making adjustments on the shift is covered in Section B. Aside from these adjustments, very little need ever be done to service the shift.

### '49 SHIFT MODELS

In the event that either the drive selector rod or reverse lock wire breaks or becomes bent, replacement is necessary. The drive selector rod is inserted from the bottom and passes through a small rubber gasket in the rod's casing. If this gasket is forced out of the casing when inserting a new wire, remove the wire and slide the gasket back on the wire and replace in the casing. The reverse lock wire should be inserted from the top, through the swivel, down through the casing to the thrust socket lock. To tighten the swivels, use a #8 Bristol multiple spline wrench, while holding the swivel with a screw driver. On some early '49 models, a 5/64" Allen set screw is used.

### '50 SHIFT MODELS

The shift actuating mechanism in the '50 models is composed of a steel linkage between the shift lever and the reverse lock, and a steel rod from the reverse lock to the drive selector cam. The adjustments necessary are covered in Section B.

To remove the shift rod, remove the cotter pin in front of the reverse lock. The shift rod can then be drawn out the upper end of the pivot tube.

When replacing the rod, make sure it is in front of groove pin, Part No. 501-2487, or between pin and front of lower motor casing.



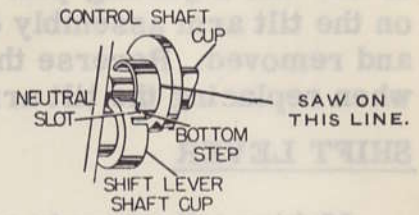
The shift lever assembly can be removed by removing the yoke pivot screw, Part No. 5017-5911, and the two bolts that fasten the yoke to the shift rod link. There are two adjustments to be made in this linkage, one when attaching the lower unit and the other when installing the limiter rod. Consult Section B for details.

**REMOVING THE SHIFT LIMITERS**

The shift limiting mechanism has been removed on all models in the 1951 line. We still advise all owners to limit the engine speed when shifting, however, this gives the owner simplicity in operation and greater speed in reverse and neutral.

Owners of older shift motors may ask to have the limiters removed. On models up to 7 1/2 HP, just remove the limiter rod and linkage. When taking the limiter rod off the '49 models, leave the limiter arm on the shift lever, otherwise the lever will pull out of the bracket. Adjust the shifting mechanism so that the pin in the limiter arm is midway between the stops when the lower unit is in neutral.

On the 16 HP model, remove the carrying and steering handle from the motor and saw off that portion of the limiter attached to the control shaft pulley assembly. You need not disassemble the unit, just thread the hacksaw blade into position, clamp the blade in a frame and saw the cup off.

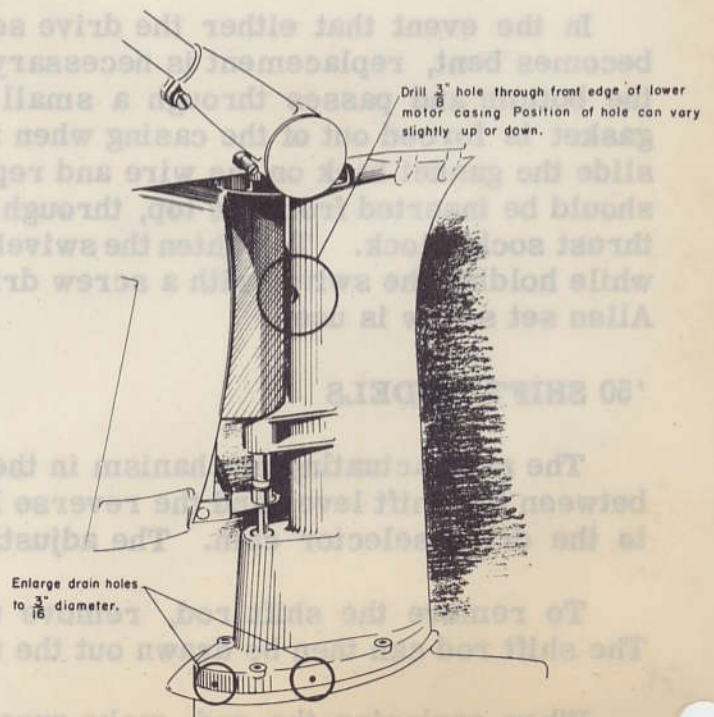


STARBOARD VIEW OF INTERLOCKING CONTROL CUPS

**MODIFICATION OF MODEL 509 LOWER MOTOR CASING**

Reports from the field indicate that water enters the lower cylinder on some of the model 509 motors. This is caused by a build up of pressure in the lower motor casing which forces water through the lower main bearing into the lower cylinder. Providing adequate drainage of the driveshaft cavity, as shown, will eliminate this difficulty.

It is not necessary to disassemble any parts. Swing the motor to one side and drill the tophole as close to the pivot bracket as possible. The two holes just above the splash plate should be enlarged to 3/16". **BE SURE THIS CHANGE IS COMPLETED ON EVERY 509 MODEL THAT COMES IN, REGARDLESS OF WHETHER DIFFICULTY HAS BEEN EXPERIENCED.**

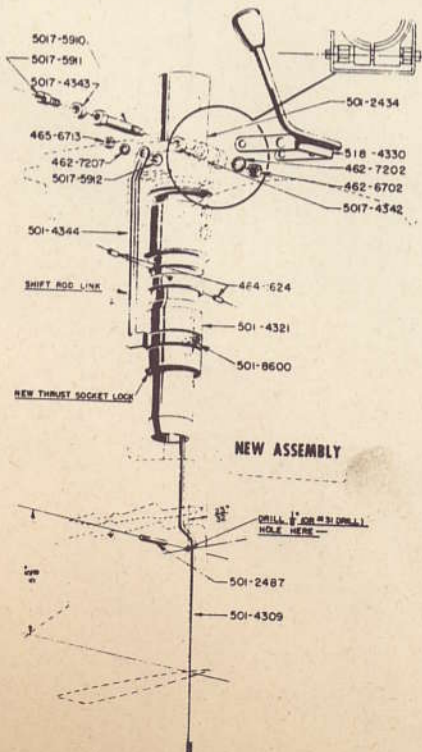
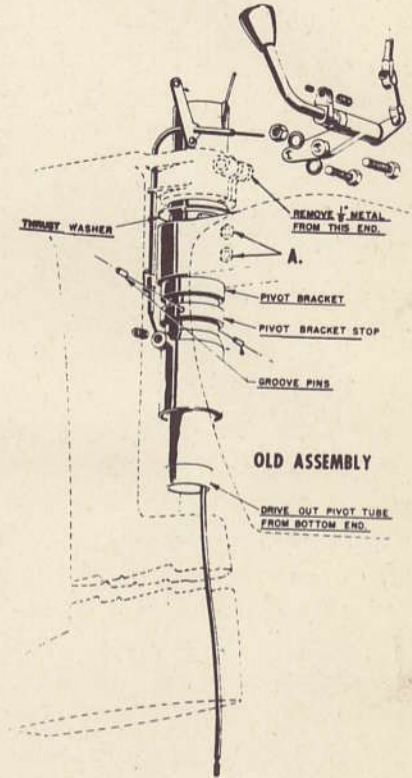




**1949 SHIFT CONVERSION KIT**  
 (Order kit of parts needed by Part No. 493-4394,

The wire type of shift actuation used on 1949 SHIFT models does give trouble in that the owner can put the shift out of adjustment by forcing the shift lever. Chronic complaints can be corrected by converting to the solid rod type of shift mechanism as explained below. We suggest charging list price for parts, plus two hours' labor for making this change.

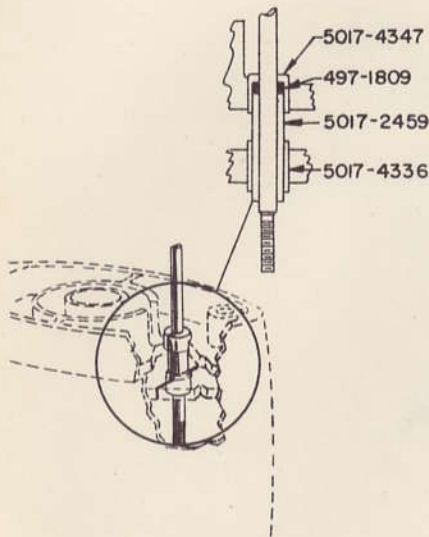
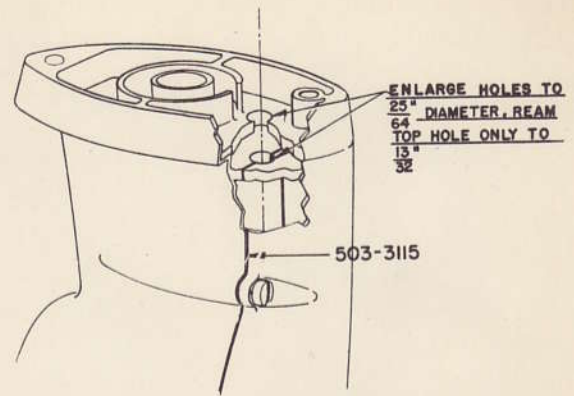
1. Remove entire powerhead (not necessary to remove skirts separately), lower unit, lock wire casing, shift lever and bracket assembly.
2. Remove groove pins from pivot tube stop, loosen pivot bracket screws (A), and drive out pivot tube with a long punch inserted from the bottom of the lower motor casing.
3. File off 1/8 inch of metal from the bracket bosses on the left or port side of the motor. Remove enough metal so that the yoke of the new shift lever assembly will clear the casing.
4. Slide the new pivot tube into position, using the old thrust washer, pivot bracket and pivot bracket stop. Install the new thrust socket lock with the shoulder on the bottom. Turn the tube until the upset section fits into the slot in the casing and force the tapered end into the seat. Lock the pivot bracket stop in position with the tapered pins.



5. Install the shift lever yoke and shift rod link as shown.
6. Drill a 1/8 inch hole through the lower motor casing 5-5/8 inches up from the bottom surface and 23/32 inch back from the leading edge. Insert the drive pin in this hole.
7. Slip the shift rod between the drive pin and housing and thread the bent end through the pivot tube slot, the hole in the thrust socket lock and the shift rod link. Insert the cotter pin in the end of the shift rod.



8. Clamp the two lower unit castings together with the gasket in place and drill out the shift rod hole to 25/64 inch.
9. Ream out the top hole (in the Lower Unit Body only) to 13/32.
10. Remove the cap and clean out all chips and shavings caught in the grease.



11. Force the knurled brass gland into the top hole with the small end up. Insert from the bottom.
12. Assemble the lower unit and driveshaft on the lower motor casing with the shift rod passing through the gland. Slide the "O" ring on the shift rod and push it up into the gland with the aluminum sleeve.
13. Coat the outside of the neoprene seal sleeve with gasket cement and push it on the aluminum sleeve until it rests in the half hole in the lower unit.
14. See Sect. G-5 and 6 for reassembling the lower unit.

15. Replace the powerhead and the motor is ready to run.

The shift limiting mechanism has been removed on all present production because it is not needed. Tell the customer that this limiter has been removed and advise him to slow the motor down before shifting.

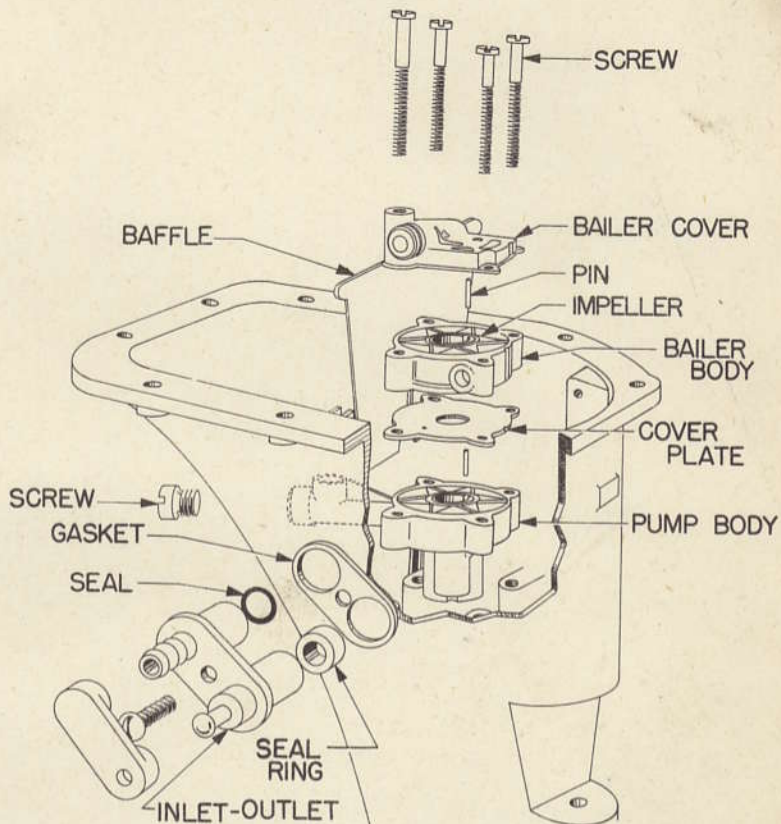
PART NO.	DESCRIPTION	PART NO.	DESCRIPTION
464-1624	Groove Pin - Pivot Bracket Stop	5017-4343	Spacer - Gear Shift Yoke
497-1809	"O" Ring Seal	501-4344	Shift Rod Link
501-2434	Motor Pivot Tube	5017-4347	Gland - Shift Rod Sleeve
5017-2459	Sleeve - Shift Rod	5017-5910	Pivot Tube Clamp Screw
501-2487	Groove Pin	5017-5911	Yoke Pivot Screw
503-3115	Lower Unit Cap Gasket	5017-5912	Screw - Shift Rod
501-4309	Shift Rod	462-6702	Nut
501-4321	Lock - Thrust Socket	465-6713	Nut
518-4330	Shift Lever	462-7202	Lockwasher
5017-4336	Seal - Shift Rod Sleeve	462-7207	Lockwasher
5017-4342	Spacer	501-8600	Cotter Pin



With the introduction of Bail-A-Matic, the lower unit motor casing becomes more than an exhaust passage as it now contains working parts. The cooling system water pump, along with the bailer pump is now located in the upper portion of this casing.

DISASSEMBLE

1. After detaching the lower motor casing from the power-head, remove the shift actuator assembly as shown on page H7.
2. Remove the bailer Inlet-Outlet fitting and the flushing screw from the outside of the casing.
3. Loosen the four pump body screws.
4. Remove the bailer cover, seal ring and impeller.
5. The impeller drive pin must be removed from the shaft before removing the bailer body.

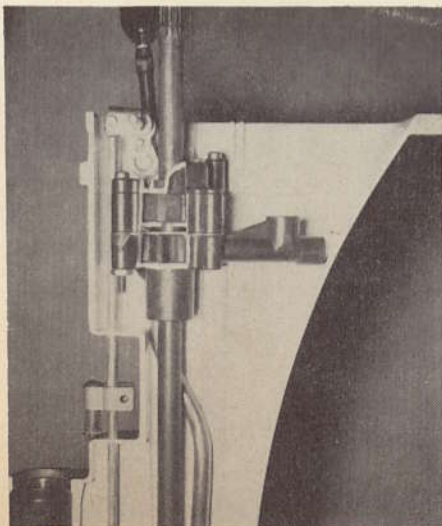


*Water and Bailer Pumps*

6. Remove the water pump cover plate (including the seal rings above and below), impeller, drive pin, baffle plate and pump body in that order.

ASSEMBLE

When assembling, reverse the above procedure.



*Cutaway View — Lower Motor Casing*

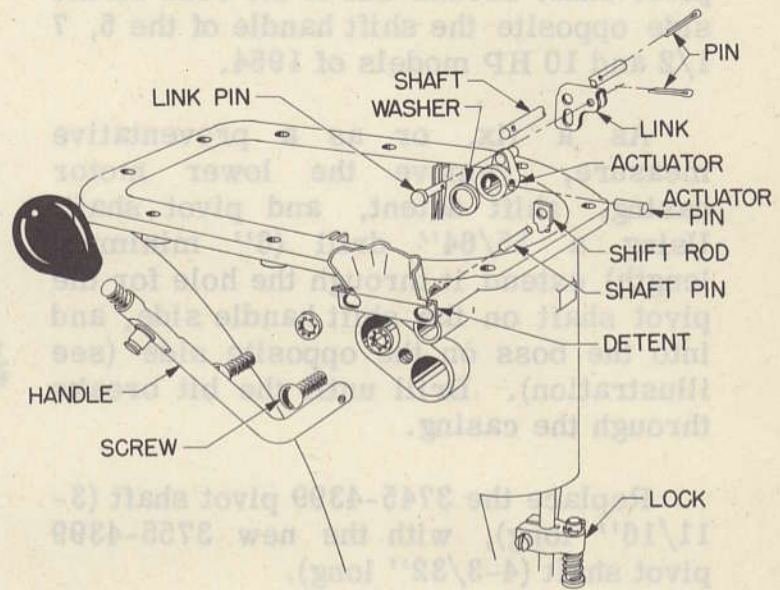
The word TOP appears on one side of the impeller and should be so installed. Be sure the seal rings are in good condition and in place as any loss of pressure will result in less pumping. Also, the bleeder hole on the pump cover plate must be on the RIGHT side of the pump. (A groove on the front of the plate lines up with the groove on the front of the bailer body).



## '54 SHIFT ACTUATOR ASSEMBLY 5 - 7 1/2 - 10 HP MODELS

### DISASSEMBLE

1. Remove the lower motor casing from the powerhead.
2. Remove the link pin separating the shift rod from the link.
3. Pull the cotter pin from the shaft and slide the link off the actuator.
4. Extract the actuator pin, removing the actuator and washer from the shift handle. The handle can then be removed.
5. Loosen the two shift detent screws and remove the detent.
6. Remove the shaft pin located behind the shift detent. Slide the shaft part way out, remove the link then complete the removal of the shaft.



*Shift Actuator Assembly*

### ASSEMBLY

1. With the actuator shaft part way in, attach the link. Slide the shaft the rest of the way in and insert the shaft pin.
2. Replace the shift detent.
3. Set the shaft handle in place. Slide the washer and actuator onto the handle and insert the actuator pin.
4. Put the link in place on the Actuator. Replace the cotter pin in the shaft, holding the link in position.
5. Attach the shift rod to the link by inserting the link pin and cotter pin.
6. Grease the driveshaft end and bolt the lower motor casing in place on the power head.

When disassembling or assembling, be sure to remove any part that may fall into the casing. If necessary invert the unit and shake the fallen parts out.



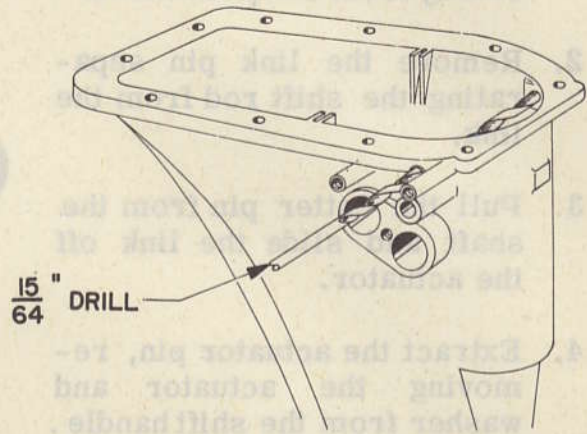
## 1954 LOWER MOTOR CASING MODIFICATION 5 - 7 - 1/2 & 10 HP FOR PIVOT SHAFT

Cases have been noted where the pivot shaft breaks out of the boss on the side opposite the shift handle of the 5, 7 1/2 and 10 HP models of 1954.

As a fix, or as a preventative measure, remove the lower motor casing, shift detent, and pivot shaft. Using a 15/64" drill (6" minimum length) extend it through the hole for the pivot shaft on the shift handle side, and into the boss on the opposite side (see illustration). Drill until the bit breaks through the casing.

Replace the 3745-4399 pivot shaft (3-11/16" long), with the new 3755-4399 pivot shaft (4-3/32" long).

Replace shift detent and lower motor casing.



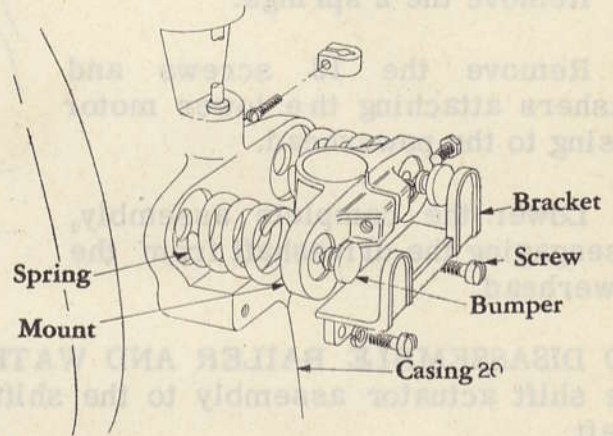


## SPRING MOUNT - 5- 7 1/2 - 10 HP - 1955 1956 AND 16 HP - 1956

Coupling the lower motor casing to the bottom end of the pivot tube and boat bracket through springs, isolates motor vibration, and is extremely easy to disassemble and assemble.

### DISASSEMBLE

1. With the motor in the tilt-up position, remove the reverse lock yoke spring, and pin (see P-62). Spread the open end of the yoke slightly apart - turn and remove the yoke from behind shift rod.
2. Return the motor to an upright position. Remove the 2 lower spring-mount bracket screws, and bracket.
3. Remove the 2 motor mount springs.
4. Remove the 10 screws and washers at the lower motor casing flange, freeing the complete powerhead support from the powerhead and boat bracket.



*Lower Spring Mount 5, 7 1/2 and 10 HP*

The exhaust valve may be removed at any time by loosening the 4 water-inlet cover plate screws.

Remove the water and bailer pumps as shown on page H-6, and the shift actuator assembly as shown on page H-7. Instructions and illustrations for installing the Fresh Water Flushing Adaptor are given in Sect. A page 6A.

### ASSEMBLY

Assemble by reversing the above steps. Always grease the spline on the driveshaft, and use Permatex on the lower motor casing flange gasket when re-assembling. Apply a liberal amount of water pump grease on the impellers.

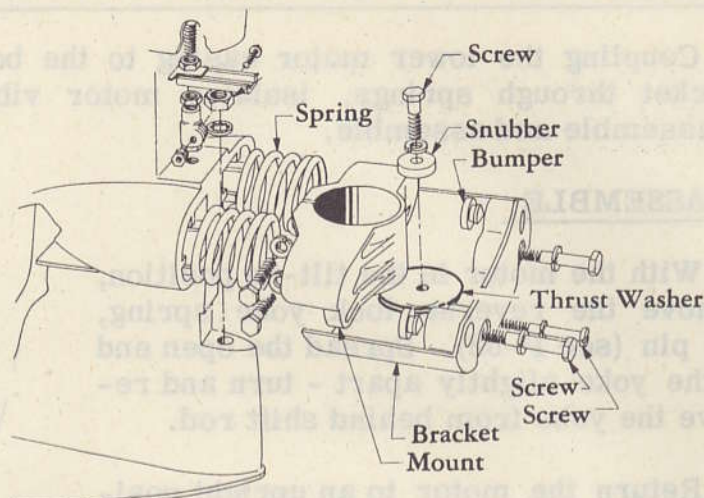


## POWERHEAD SUPPORT - 30 & 33 HP

The powerhead support may be removed with the powerhead remaining fixed to the handle and mount assembly.

### DISASSEMBLY

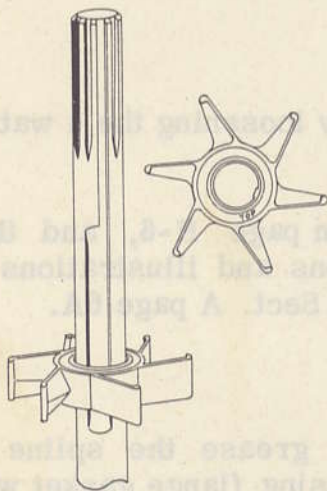
1. With the motor in an upright position, remove the 3 lower spring mount bracket screws, and washers.
2. Remove the 2 springs.
3. Remove the 13 screws and washers attaching the lower motor casing to the powerhead.
4. Lower the complete assembly, disengaging the driveshaft from the powerhead.



Lower Spring Mount—30-33 HP

TO DISASSEMBLE BAILER AND WATER PUMPS loosen the set screw attaching the shift actuator assembly to the shift lever shaft. Remove the shift handle and shaft.

1. Remove bailer inlet and outlet lines.
2. Remove the 4 pump body screws and washers.
3. Lift all pump parts upward, off the drive-shaft. Always replace impellers appearing set or worn.



Impeller Installation—30-33 HP

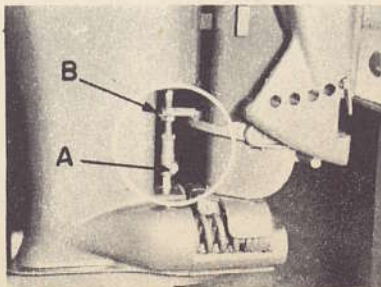
### ASSEMBLY

A long key way is provided in the driveshaft (as shown at the left), for the impellers.

1. Coat the pump bodies with a liberal amount of water pump grease.
2. Insert the impellers with the word TOP showing upward. Consult the parts pages of this section for correct placement of seals.

3. Assemble pumps and powerhead support in reverse order of disassembly shown above. Use Permatex on all gaskets.

Shift rod linkage is adjustable by screwing the shift rod coupling (A) to the desired height on the upper shift rod, and tightening the locking nut against the coupling.



The reverse lock actuator (B) is adjusted to the proper setting by loosening and tightening the nuts above and below the actuator on the shift rod.



### EXTENDED SHAFT '54 - 10 HP MODEL

A six inch extension of the Powerhead Support on the 10 HP motor can be obtained by completing the following:

- A-Replace 3745-5300 Lower Section Water Line with 3845-2-5300.
- B-Replace 3745-4310 Shift Rod with 3845-2-4310.
- C-Replace 3845-2901 Driveshaft with 3845-2-2901.
- D-Replace 3745-2420 Lower Motor Casing with 3845-2-2420.

### EXTENDED SHAFT '54 - 16 HP MODEL

A six inch extension of the Powerhead Support on the 16 HP motor can be obtained by completing the following:

- A-Replace 509-5300 Water Line with 509-2-5300.
- B-Replace 509-4309 Shift Rod with 509-2-4309.
- C-Replace 3945-4350 Shift Rod Tube Assembly with 3945-2-4350.
- D-Replace 3945-2901 Driveshaft with 3945-2-2901.
- E-Replace 3945-2420 Lower Motor Casing with 3945-2-2420
- F-Replace 3945-5301 Inlet Line-Bailer with 3945-2-5301

### REVERSE LOCK HOOK ASSEMBLY - 16 HP

Field reports indicate that occasionally the Reverse Lock Hook Assembly on the 16 HP motor is not properly centered in the boat brackets, thus the lock will not engage when the motor is shifted into reverse. This can be corrected by inserting 3935-2430 boat bracket bolt washer(s) as required, on the bracket bolt separating the pivot bracket from the boat brackets, centering the reverse lock assembly.

If the Reverse Lock Hook Assembly (509-4360) has become damaged and requires replacement it is necessary to remove the lower unit. First remove the shift rod connection from the shift rod at the top of the lower motor casing. This is done by unscrewing the connection approximately eight turns (See Sect. C-8). Remove the four bolts holding the lower unit to the lower motor casing and pull the lower unit off. Replace the reverse lock. Bolt the lower unit in place and attach the shift rod connection.



## EXTENDED SHAFT '55 - 16 HP MODEL

A five inch extension of the powerhead support on the 16 HP motor can be obtained by completing the following:

- A. Replace 3955-2420 Lower Motor Casing with 3955-2-2420.
- B. Replace 3945-2901 Driveshaft with 3945-2-2901.
- C. Replace 509-4309 Shift Rod with 509-2-4309.
- D. Replace 3945-4350 Shift Rod Tube Assy. with 3945-2-4350.
- E. Replace 509-5300 Water Line with 509-2-5300.
- F. Replace 3945-5301 Inlet Line-Upper with 3945-2-5301.

## EXTENDED SHAFT '55 - 30 HP MODEL

A five inch extension of the powerhead support on the 30 HP motor can be obtained by completing the following:

- A. Replace 3655-2516 Spring - Lower with 3655-2-2516.
- B. Replace 3645-2901 Driveshaft with 3655-2-2901.
- C. Replace 3645-3679 Spring - Upper with 3655-2-3679.
- D. Replace 3645-4308 Shift Rod with 3655-2-4308.
- E. Replace 3645-5300 Water Line with 3655-2-5300.
- F. Replace 3655-8213 Stud with 3655-2-8213.
- G. Add 3655-3189 Casing Extension.
- H. Add 3645-3213 Dowel
- I. Add 3655-6001 Screw
- J. Add 3655-6002 Screw
- K. Add 3655-6701 Nut-Rear Stud
- L. Add 3655-8214 Stud-Rear

The complete 30 HP Extended Shaft assembly can be obtained by ordering part number SK-7270.

## EXTENDED SHAFT '56 - 33 HP MODEL

A five inch extension of the powerhead support on the 33 HP motor can be obtained by completing the following:

	<u>Quantity</u>	<u>Req'd</u>
Replace 3645-3679 Spring - Upper with 3655-2-3679	(2)	
Replace 3655-2516 Spring - Lower with 3655-2-2516	(2)	
Replace 3645-6720 Nut with 462-6703	(1)	
Replace 3665-5300 Water Line with 3665-2-5300	(1)	
Replace 3645-2901 Driveshaft with 3655-2-2901	(1)	
Replace 3645-4308 Shift Rod with 3655-2-4308	(1)	
Replace 3655-8213 Stud with 3655-2-8213	(1)	
Replace 2655-5815 Screw with 3665-8214	(2)	
Add 3655-3189 Extension - Motor Casing	(1)	
Add 3645-3213 Dowell - Extension to Casing	(1)	
Add 3655-6001 Screw - Extension to Casing	(4)	
Add 3655-6701 Nut - Rear Stud	(2)	

All parts shown above can be purchased in kit form. Order Part No. SK-7640







**POWERHEAD SUPPORT 461-467 (continued)**

Part Number	Description
461-2401	Boat Bracket (Right)
461-2402	Boat Bracket (Left)
461-2407	Lower Boat Bracket Cross-Piece
*461-2409	Boat Bracket Cover Plate (Right)
461-2410	Boat Bracket Cover Plate (Left)
462-2412	Boat Bracket Clamp Screw Pad
461-2413	Boat Bracket Clamp Screw & Handle
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
461-2420	Lower Motor Casing
461-2422	Lower Motor Casing Cover Plate
462-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
462-2433	Motor Pivot Bracket Thrust Washer
461-2434	Motor Pivot Tube
461-2438	Motor Pivot Bracket—Right
461-2439	Motor Pivot Bracket—Left
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
463-3600	Steering Handle and Grip
462-3602	Steering Handle Rubber Grip
461-3604	Steering Handle Spring
462-5300	Inlet Water Line
462-5501	Water Line Compression Nut
462-5502	Water Line Compression Sleeve

Part Number	Description
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5806	Retaining Screw for Clamp Screw Pad
462-5816	Lower Motor Casing Cover Plate Screw
461-5840	Motor Pivot Bracket Screw
461-5841	Lower Crosspiece Screw
461-5841	Boat Bracket Cover Plate Screw
463-5845	Cylinder Exhaust Flange Screw
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	L.W. for Steering Handle Spring Stud Nut
462-7202	L.W. for Steering Handle Spring Shoulder Stud Nut
462-7203	L.W. for Cylinder Exhaust Flange Screw
462-7209	L.W. for Lower Motor Casing Cover Plate Screw
461-7215	L.W. for Motor Pivot Bracket Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Spring Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)

\*Not Illustrated

**POWERHEAD SUPPORT 470-471 (continued from next page)**

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
463-3600	Steering Handle and Grip Assembly
462-3602	Steering Handle Rubber Grip
461-3604	Steering Handle Spring
470-5300	Inlet Water Line
462-5501	Water Line Compression Nut
462-5502	Water Line Compression Sleeve
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5806	Retaining Screw for Clamp Screw Pad
462-5816	Lower Motor Casing Cover Plate Screw
461-5840	Motor Pivot Bracket Screw
461-5841	Lower Cross-Piece Screw
461-5841	Boat Bracket Cover Plate Screw

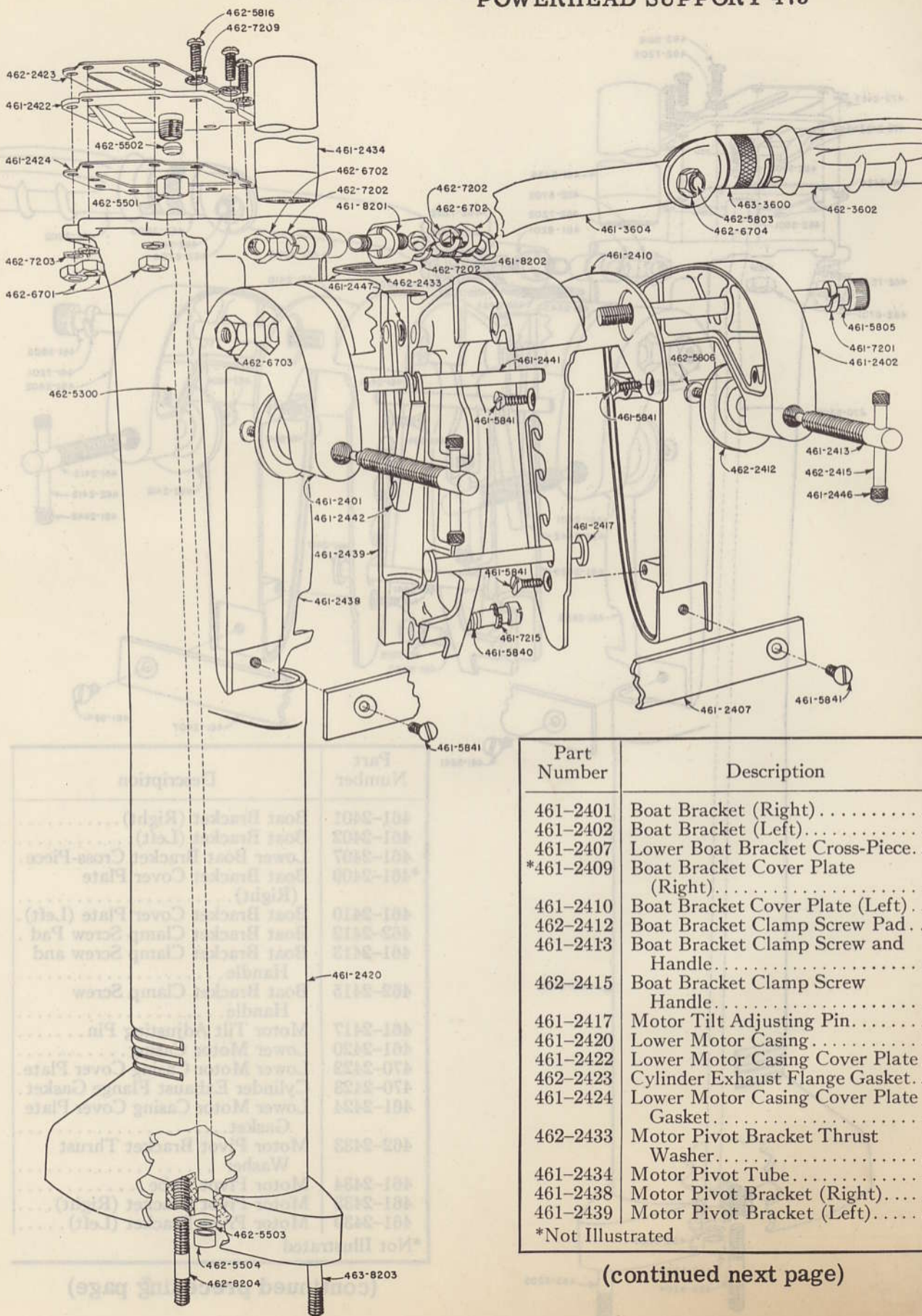
Part Number	Description
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer for Steering Handle Spring Stud Nut
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
462-7203	Lock Washer for Cylinder Exhaust Flange Stud
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw
461-7215	Lock Washer—Motor Pivot Bracket Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)







# POWERHEAD SUPPORT 473



Part Number	Description
461-2401	Boat Bracket (Right).....
461-2402	Boat Bracket (Left).....
461-2407	Lower Boat Bracket Cross-Piece..
*461-2409	Boat Bracket Cover Plate (Right).....
461-2410	Boat Bracket Cover Plate (Left) ..
462-2412	Boat Bracket Clamp Screw Pad..
461-2413	Boat Bracket Clamp Screw and Handle.....
462-2415	Boat Bracket Clamp Screw Handle.....
461-2417	Motor Tilt Adjusting Pin.....
461-2420	Lower Motor Casing.....
461-2422	Lower Motor Casing Cover Plate..
462-2423	Cylinder Exhaust Flange Gasket..
461-2424	Lower Motor Casing Cover Plate Gasket.....
462-2433	Motor Pivot Bracket Thrust Washer.....
461-2434	Motor Pivot Tube.....
461-2438	Motor Pivot Bracket (Right).....
461-2439	Motor Pivot Bracket (Left).....
*Not Illustrated	

(continued next page)



**POWERHEAD SUPPORT 473 (continued)**

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop.....
461-2442	Boat Bracket Tilt Stop Assembly.
461-2446	Boat Bracket Clamp Screw Handle Cap.....
461-2447	Tension Spring—Boat Bracket Tilt Stop.....
463-3600	Steering Handle and Grip Assembly.....
462-3602	Steering Handle Rubber Grip.....
461-3604	Steering Handle Spring.....
462-5300	Inlet Water Line.....
462-5501	Water Line Compression Nut.....
462-5502	Water Line Compression Sleeve.....
462-5503	Inlet Water Line Seal Ring.....
462-5504	Inlet Water Line Sleeve.....
462-5803	Steering Handle Hinge Bolt.....
461-5805	Bolt—Boat Bracket.....
462-5806	Retaining Screw for Clamp Screw Pad.....
462-5816	Lower Motor Casing Cover Plate Screw.....
461-5840	Motor Pivot Bracket Screw.....
461-5841	Lower Cross-Piece Screw.....
461-5841	Boat Bracket Cover Plate Screw.....

Part Number	Description
462-6701	Cylinder Exhaust Flange Stud Nut.....
462-6702	Steering Handle Spring Stud Nut.....
462-6702	Steering Handle Spring Shoulder Stud Nut.....
462-6703	Nut—Boat Bracket Bolt.....
462-6704	Steering Handle Hinge Bolt Lock Nut.....
461-7201	Lock Washer—Boat Bracket Bolt.....
462-7202	Lock Washer for Steering Handle Spring Stud Nut.....
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut.....
462-7203	Lock Washer for Cylinder Exhaust Flange Stud.....
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw.....
461-7215	Lock Washer—Motor Pivot Bracket Screw.....
461-8201	Steering Handle Spring Shoulder Stud.....
461-8202	Steering Handle Stud.....
463-8203	Lower Unit Stud (Front).....
462-8204	Lower Unit Stud (Rear).....

**POWERHEAD SUPPORT 480 (continued from next page)**

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
486-2453	Retainer—Boat Bracket Clamp Screw Pad
480-3600	Steering Handle and Grip Assembly
462-3602	Steering Handle Rubber Grip
480-3604	Steering Handle Spring
480-3617	Washer—Steering Spring Stud
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5816	Lower Motor Casing Cover Plate Screw
461-5840	Motor Pivot Bracket Screw
461-5841	Lower Cross-Piece Screw
461-5841	Boat Bracket Cover Plate Screw

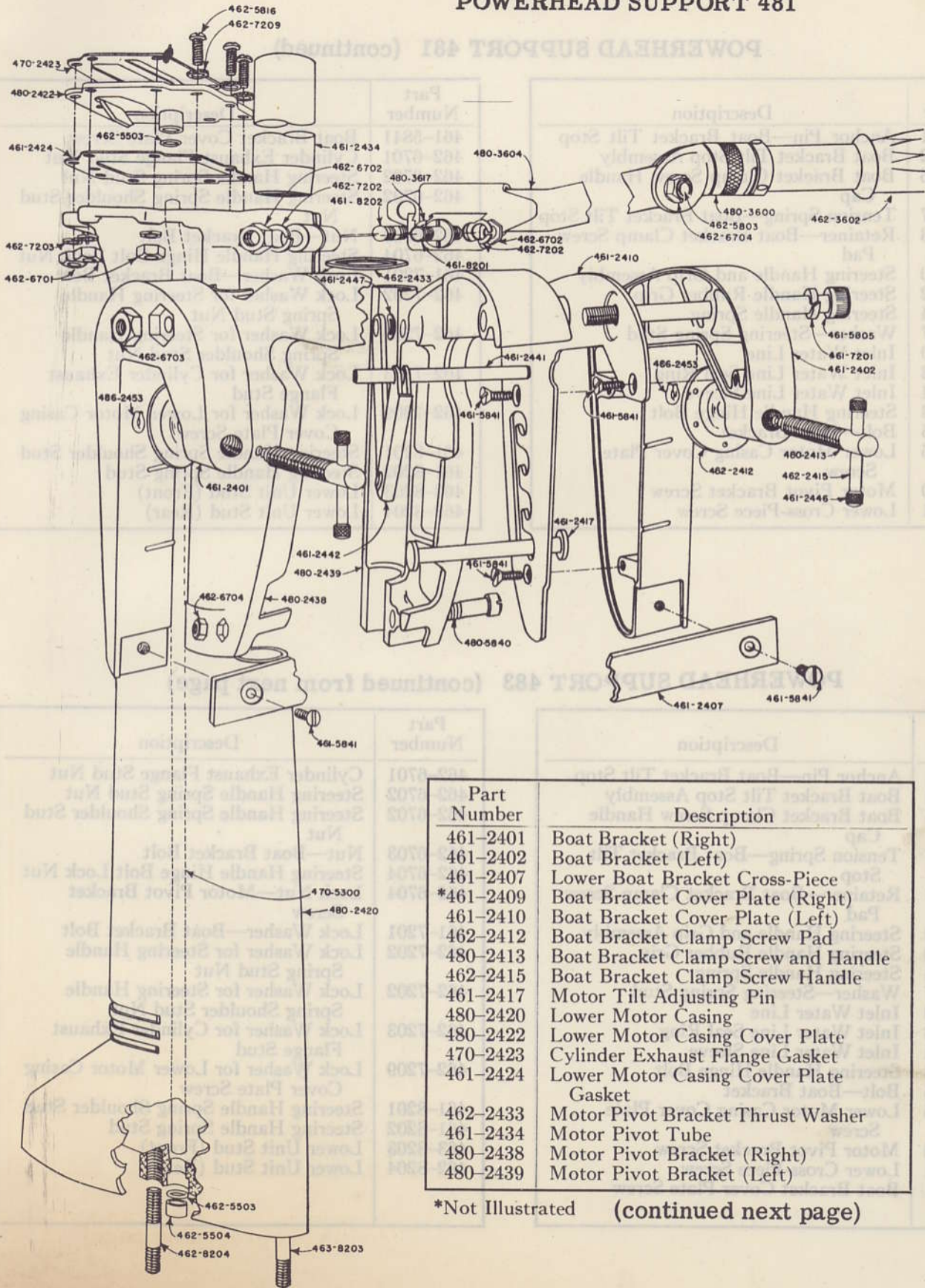
Part Number	Description
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer for Steering Handle Spring Stud Nut
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
462-7203	Lock Washer for Cylinder Exhaust Flange Stud
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw
461-7215	L.W. for Motor Pivot Bracket Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Spring Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)







# POWERHEAD SUPPORT 481



Part Number	Description
461-2401	Boat Bracket (Right)
461-2402	Boat Bracket (Left)
461-2407	Lower Boat Bracket Cross-Piece
*461-2409	Boat Bracket Cover Plate (Right)
461-2410	Boat Bracket Cover Plate (Left)
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
480-2420	Lower Motor Casing
480-2422	Lower Motor Casing Cover Plate
470-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
462-2433	Motor Pivot Bracket Thrust Washer
461-2434	Motor Pivot Tube
480-2438	Motor Pivot Bracket (Right)
480-2439	Motor Pivot Bracket (Left)

\*Not Illustrated (continued next page)



**POWERHEAD SUPPORT 481 (continued)**

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
486-2453	Retainer—Boat Bracket Clamp Screw Pad
480-3600	Steering Handle and Grip Assembly
462-3602	Steering Handle Rubber Grip
480-3604	Steering Handle Spring
480-3617	Washer—Steering Spring Stud
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5816	Lower Motor Casing Cover Plate Screw
480-5840	Motor Pivot Bracket Screw
461-5841	Lower Cross-Piece Screw

Part Number	Description
461-5841	Boat Bracket Cover Plate Screw
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer for Steering Handle Spring Stud Nut
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
462-7203	Lock Washer for Cylinder Exhaust Flange Stud
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Spring Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)

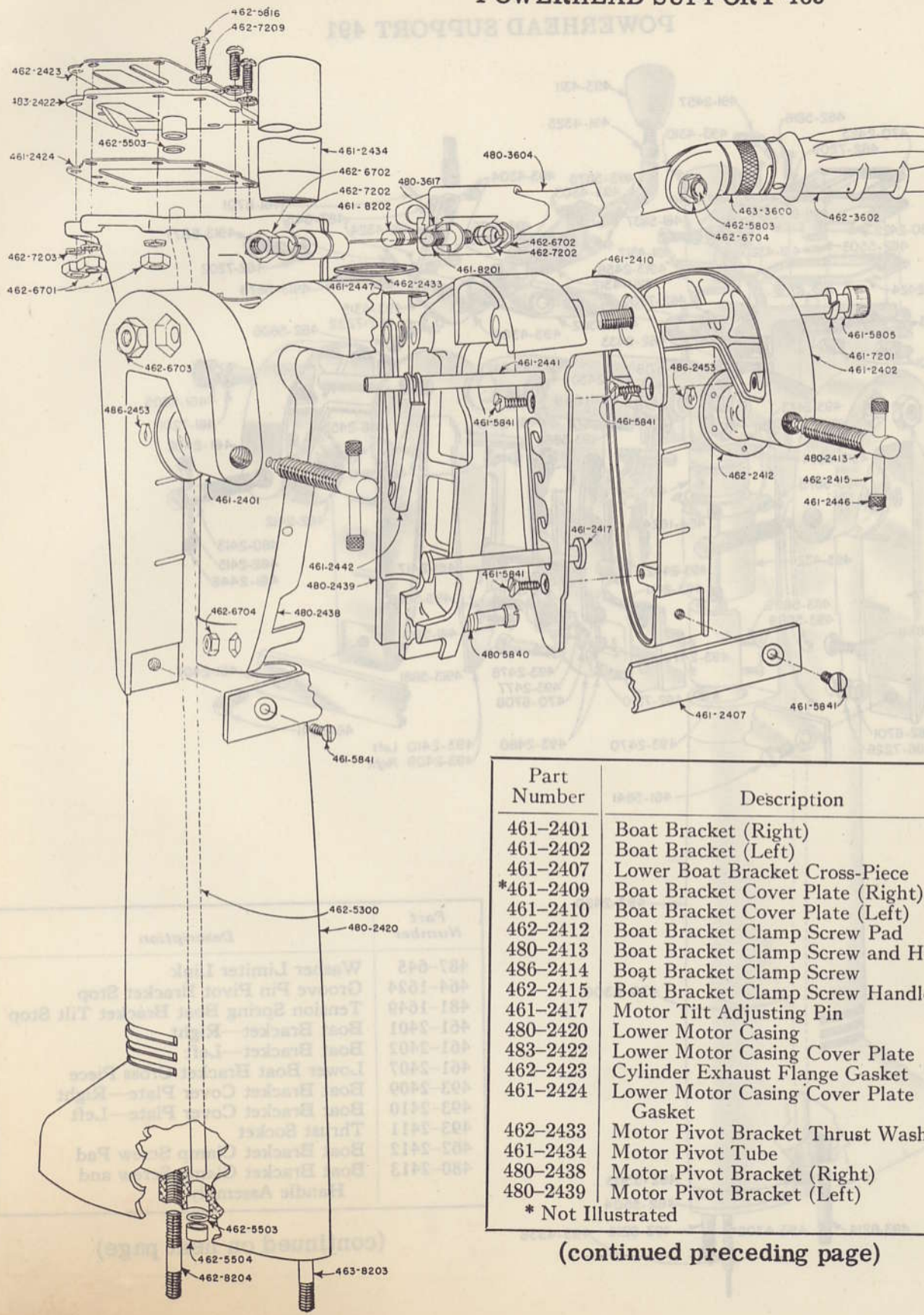
**POWERHEAD SUPPORT 483 (continued from next page)**

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
486-2453	Retainer—Boat Bracket Clamp Screw Pad
463-3600	Steering Handle and Grip Assembly
462-3602	Steering Handle Rubber Grip
480-3604	Steering Handle Spring
480-3617	Washer—Steering Spring Stud
462-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5816	Lower Motor Casing Cover Plate Screw
480-5840	Motor Pivot Bracket Screw
461-5841	Lower Cross-Piece Screw
461-5841	Boat Bracket Cover Plate Screw

Part Number	Description
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
462-6704	Lock Nut—Motor Pivot Bracket Screw
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer for Steering Handle Spring Stud Nut
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
462-7203	Lock Washer for Cylinder Exhaust Flange Stud
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Spring Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)



# POWERHEAD SUPPORT 483



Part Number	Description
461-2401	Boat Bracket (Right)
461-2402	Boat Bracket (Left)
461-2407	Lower Boat Bracket Cross-Piece
*461-2409	Boat Bracket Cover Plate (Right)
461-2410	Boat Bracket Cover Plate (Left)
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle
486-2414	Boat Bracket Clamp Screw
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
480-2420	Lower Motor Casing
483-2422	Lower Motor Casing Cover Plate
462-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
462-2433	Motor Pivot Bracket Thrust Washer
461-2434	Motor Pivot Tube
480-2438	Motor Pivot Bracket (Right)
480-2439	Motor Pivot Bracket (Left)
* Not Illustrated	

(continued preceding page)







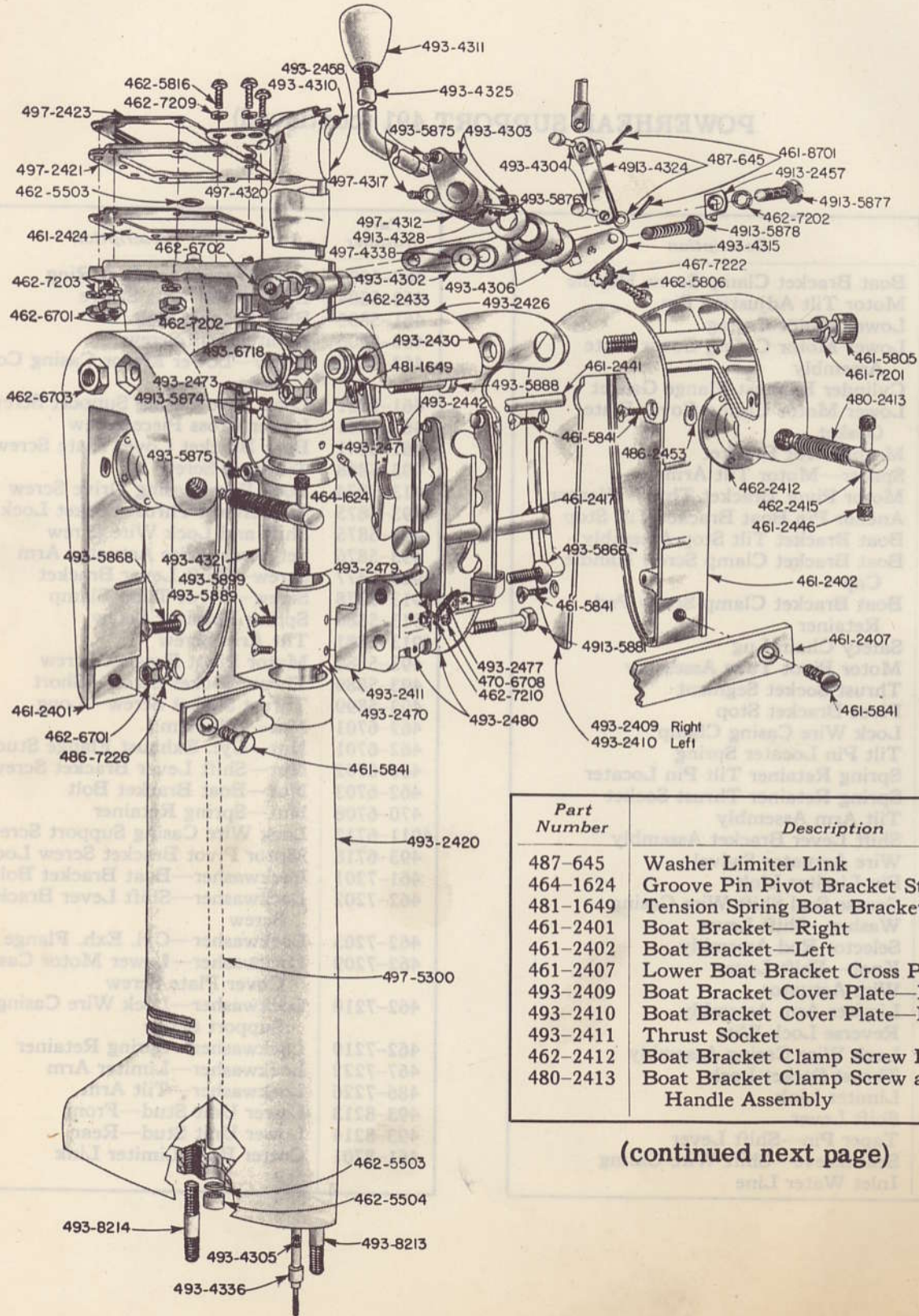
POWERHEAD SUPPORT 491 (continued)

Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
491-2420	Lower Motor Casing
480-2422	Lower Motor Casing Cover Plate Assembly
470-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
491-2457	Safety Chain Lug
493-2458	Motor Pivot Tube Assembly
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2473	Lock Wire Casing Clamp
493-2477	Tilt Pin Locator Spring
493-2478	Spring Retainer Tilt Pin Locator
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
4913-4302	Shift Lever Bracket Assembly
493-4303	Wire Actuator Swivel
493-4304	Pin Limiter Link
493-4305	Grease Seal Shift Wire Casing
493-4306	Washer—Shift Lever
493-4310	Selector Rod Assembly
493-4311	Knob—Shift Lever
4911-4312	Wire Actuator
493-4315	Limiter Arm Assembly
491-4317	Reverse Lock Wire
491-4320	Lock Wire Casing Assembly
493-4321	Thrust Socket Lock
491-4324	Limiter Link
491-4325	Shift Lever
4913-4328	Taper Pin—Shift Lever
493-4336	Seal Sleeve—Shift Wire Casing
470-5300	Inlet Water Line

Part Number	Description
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5806	Limiter Arm Screw
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Lock Wire Casing Support Screw
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5874	Lock Wire Casing Drive Screw
493-5875	Set Screw—Thrust Socket Lock
493-5875	Shift and Lock Wire Screw
493-5876	Set Screw Wire Actuator Arm
4913-5877	Screw—Shift Lever Bracket
4913-5878	Screw—Pivot Tube Clamp
4913-5880	Spring Retainer Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
4911-6717	Lock Wire Casing Support Screw Nut
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Lock Wire Casing Support Screw
462-7210	Lockwasher—Spring Retainer
467-7222	Lockwasher—Limiter Arm
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
461-8701	Cotter Pin—Limiter Link



# POWERHEAD SUPPORT 497



Part Number	Description
487-645	Washer Limiter Link
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
493-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly

(continued next page)



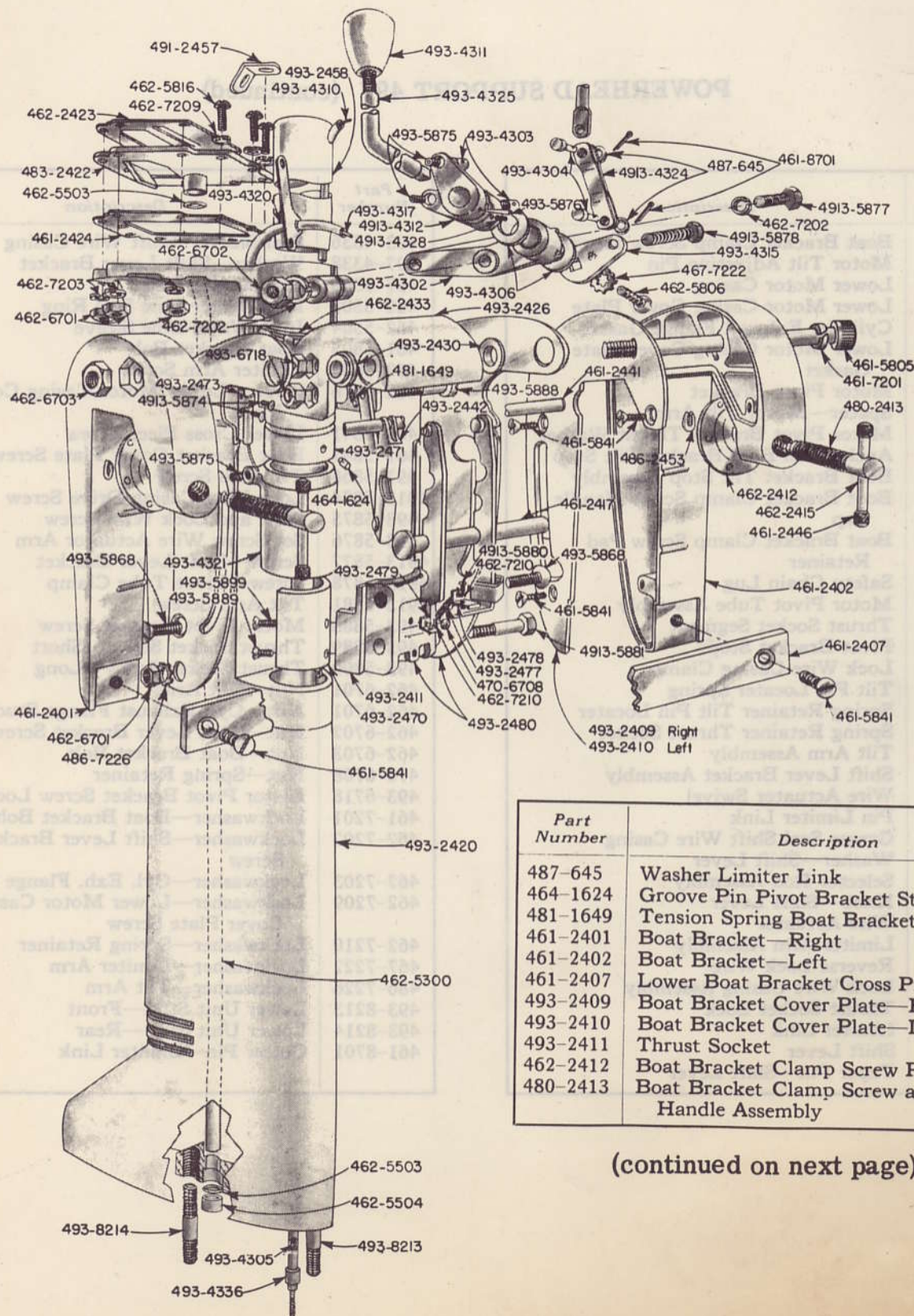
POWERHEAD SUPPORT 497 (continued)

Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
493-2420	Lower Motor Casing
497-2421	Lower Motor Casing Cover Plate
497-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
4913-2457	Safety Chain Lug
493-2458	Motor Pivot Tube Assembly
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2473	Lock Wire Casing Clamp
493-2477	Tilt Pin Locator Spring
493-2478	Spring Retainer Tilt Pin Locator
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
493-4302	Shift Lever Bracket Assembly
493-4303	Wire Actuator Swivel
493-4304	Pin Limiter Link
493-4305	Grease Seal Shift Wire Casing
493-4306	Washer—Shift Lever
493-4310	Selector Rod Assembly
493-4311	Knob—Shift Lever
497-4312	Wire Actuator
493-4315	Limiter Arm Assembly
497-4317	Reverse Lock Wire
497-4320	Lock Wire Casing Assembly
493-4321	Thrust Socket Lock
4913-4324	Limiter Link
493-4325	Shift Lever
4913-4328	Taper Pin—Shift Lever

Part Number	Description
493-4336	Seal Sleeve—Shift Wire Casing
497-4338	Washer—Shift Lever Bracket
497-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5806	Limiter Arm Screw
462-5816	Screw—Lower Motor Casing Cover Plate
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5874	Lock Wire Casing Drive Screw
493-5875	Shift and Lock Wire Screw
493-5876	Set Screw Wire Actuator Arm
4913-5877	Screw—Shift Lever Bracket
4913-5878	Screw—Pivot Tube Clamp
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
467-7222	Lockwasher—Limiter Arm
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
461-8701	Cotter Pin—Limiter Link



# POWERHEAD SUPPORT 493



Part Number	Description
487-645	Washer Limiter Link
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
493-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly

(continued on next page)



**POWERHEAD SUPPORT 493 (continued)**

Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
493-2420	Lower Motor Casing
483-2422	Lower Motor Casing Cover Plate Assembly
462-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
491-2457	Safety Chain Lug
493-2458	Motor Pivot Tube Assembly
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2473	Lock Wire Casing Clamp
493-2477	Tilt Pin Locater Spring
493-2478	Spring Retainer Tilt Pin Locater
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
493-4302	Shift Lever Bracket Assembly
493-4303	Wire Actuator Swivel
493-4304	Pin Limiter Link
493-4305	Grease Seal Shift Wire Casing
493-4306	Washer—Shift Lever
493-4310	Selector Rod Assembly
493-4311	Knob—Shift Lever
4913-4312	Wire Actuator
493-4315	Limiter Arm Assembly
493-4317	Reverse Lock Wire
493-4320	Lock Wire Casing Assembly
493-4321	Thrust Socket Lock
4913-4324	Limiter Link
493-4325	Shift Lever
4913-4328	Taper Pin—Shift Lever
493-4336	Seal Sleeve—Shift Wire Casing
462-5300	Inlet Water Line

Part Number	Description
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5806	Limiter Arm Screw
462-5816	Screw—Lower Motor Casing Cover Plate
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5874	Lock Wire Casing Drive Screw
493-5875	Set Screw—Thrust Socket Lock
493-5875	Shift and Lock Wire Screw
493-5876	Set Screw Wire Actuator Arm
4913-5877	Screw—Shift Lever Bracket
4913-5878	Screw—Pivot Tube Clamp
4913-5880	Spring Retainer Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
4911-6717	Lock Wire Casing Support Screw Nut
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
467-7222	Lockwasher—Limiter Arm
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
461-8701	Cotter Pin—Limiter Link

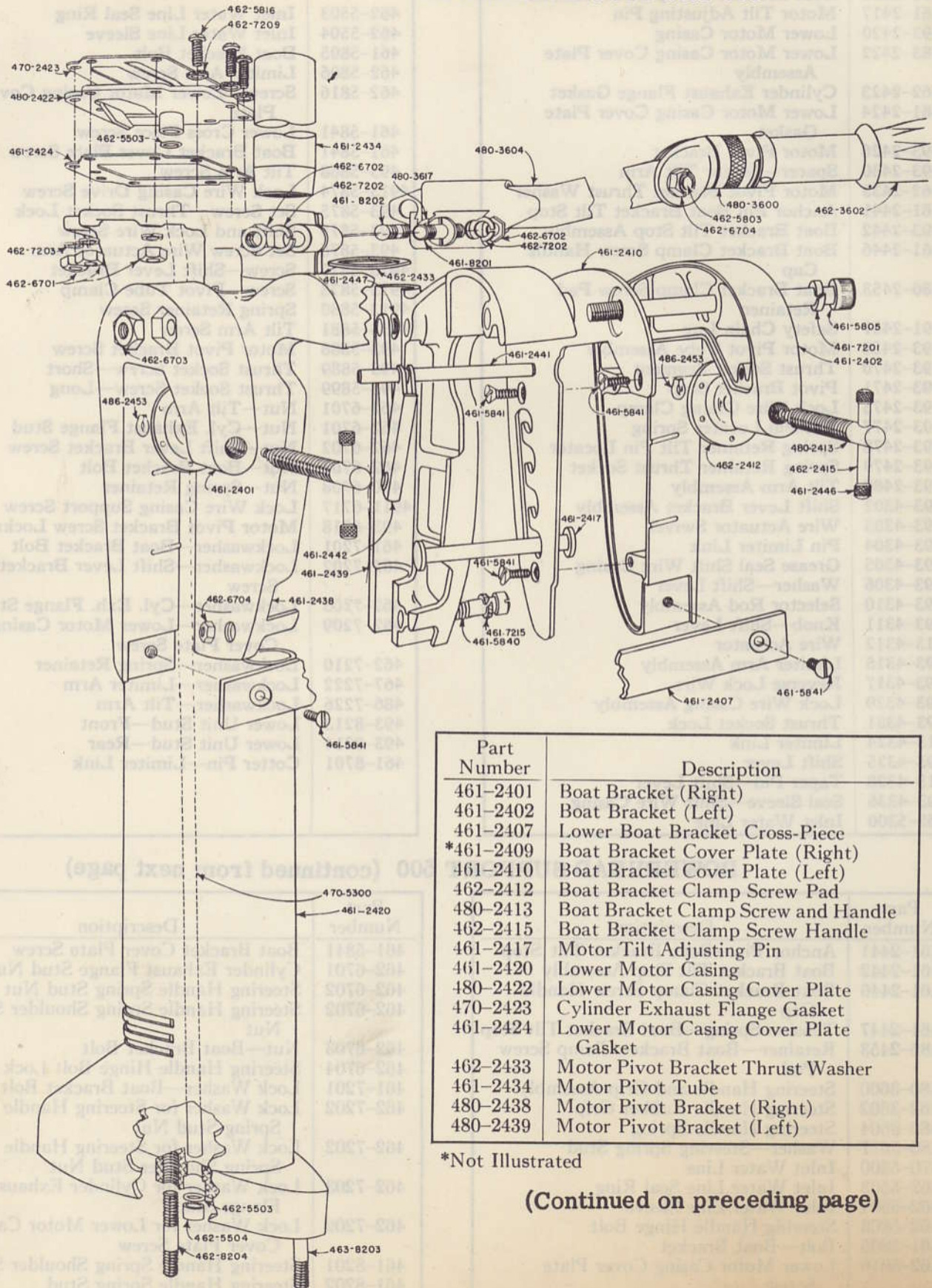
**POWERHEAD SUPPORT 500 (continued from next page)**

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
486-2453	Retainer—Boat Bracket Clamp Screw Pad
480-3600	Steering Handle and Grip Assembly
462-3602	Steering Handle Rubber Grip
480-3604	Steering Handle Spring
480-3617	Washer—Steering Spring Stud
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
462-5803	Steering Handle Hinge Bolt
461-5805	Bolt—Boat Bracket
462-5816	Lower Motor Casing Cover Plate Screw
480-5840	Motor Fivot Bracket Screw
461-5841	Lower Cross-Piece Screw

Part Number	Description
461-5841	Boat Bracket Cover Plate Screw
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Steering Handle Spring Stud Nut
462-6702	Steering Handle Spring Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Steering Handle Hinge Bolt Lock Nut
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer for Steering Handle Spring Stud Nut
462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
462-7203	Lock Washer for Cylinder Exhaust Flange Stud
462-7209	Lock Washer for Lower Motor Casing Cover Plate Screw
461-8201	Steering Handle Spring Shoulder Stud
461-8202	Steering Handle Spring Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)



# POWERHEAD SUPPORT 500



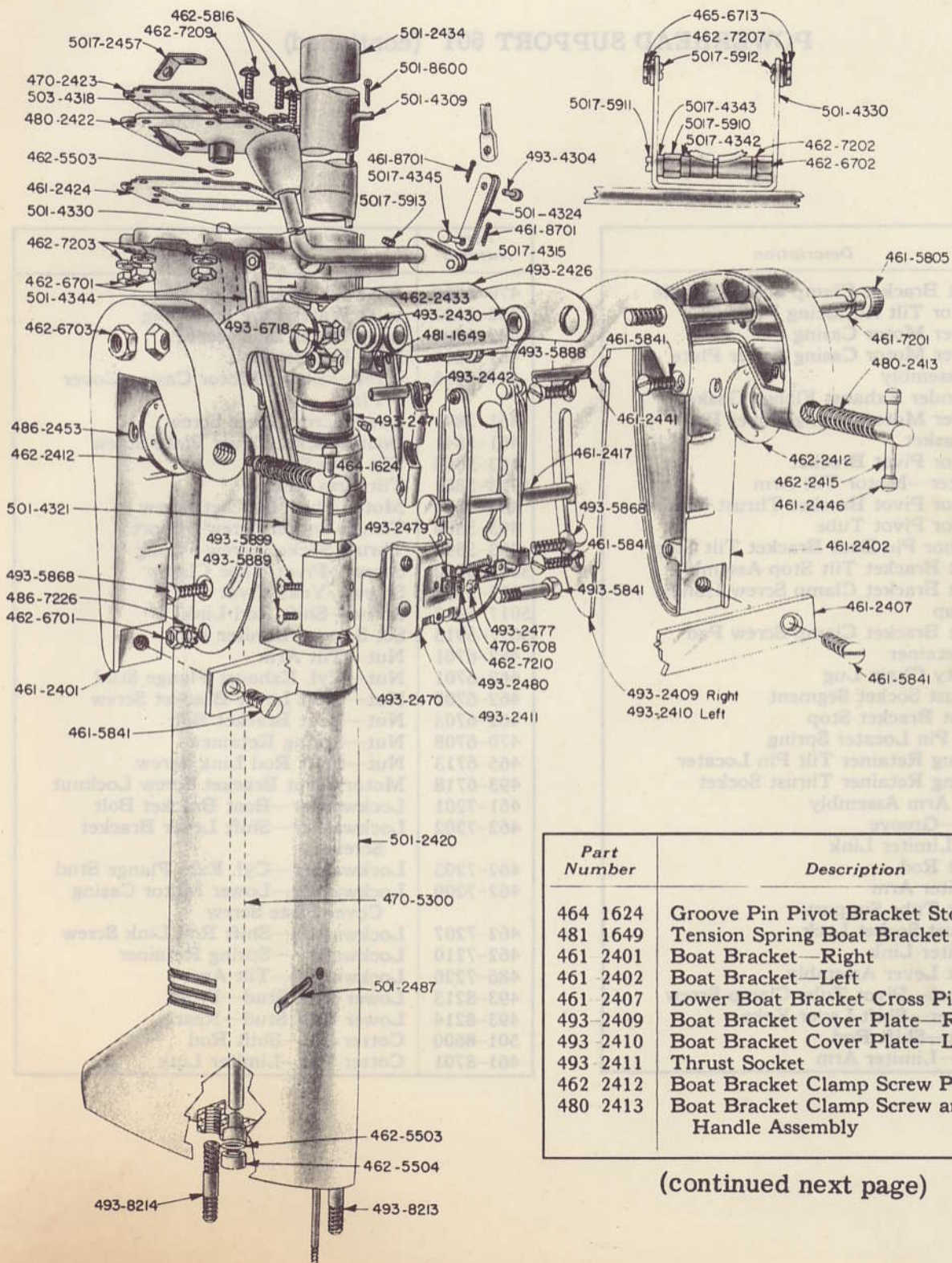
Part Number	Description
461-2401	Boat Bracket (Right)
461-2402	Boat Bracket (Left)
461-2407	Lower Boat Bracket Cross-Piece
*461-2409	Boat Bracket Cover Plate (Right)
461-2410	Boat Bracket Cover Plate (Left)
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
461-2420	Lower Motor Casing
480-2422	Lower Motor Casing Cover Plate
470-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
462-2433	Motor Pivot Bracket Thrust Washer
461-2434	Motor Pivot Tube
480-2438	Motor Pivot Bracket (Right)
480-2439	Motor Pivot Bracket (Left)

\*Not Illustrated

(Continued on preceding page)



# POWERHEAD SUPPORT 501



Part Number	Description
464 1624	Groove Pin Pivot Bracket Stop
481 1649	Tension Spring Boat Bracket Tilt Stop
461 2401	Boat Bracket—Right
461 2402	Boat Bracket—Left
461 2407	Lower Boat Bracket Cross Piece
493 2409	Boat Bracket Cover Plate—Right
493 2410	Boat Bracket Cover Plate—Left
493 2411	Thrust Socket
462 2412	Boat Bracket Clamp Screw Pad
480 2413	Boat Bracket Clamp Screw and Handle Assembly

(continued next page)



POWERHEAD SUPPORT 501 (continued)

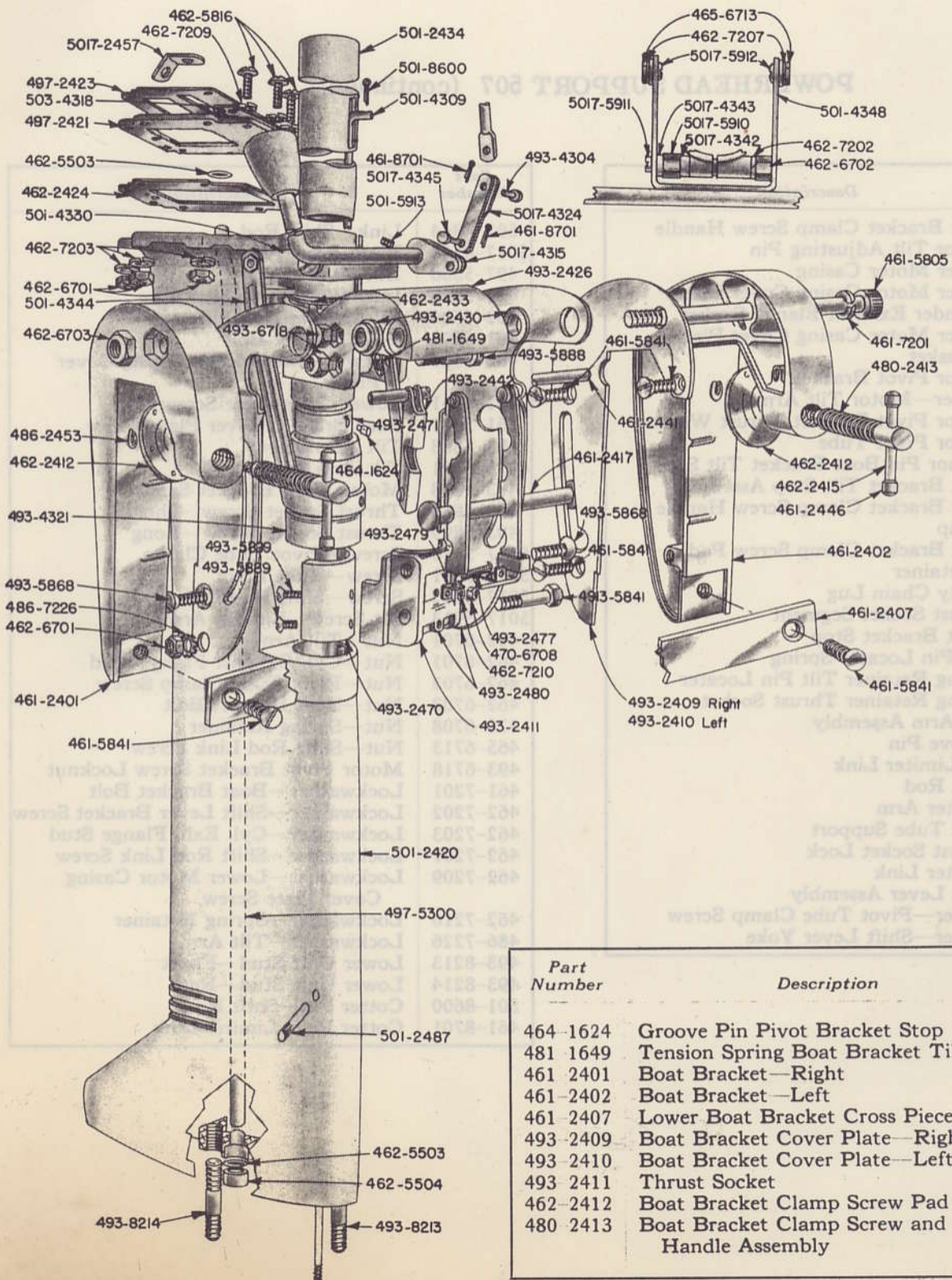
Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
501-2420	Lower Motor Casing
480-2422	Lower Motor Casing Cover Plate Assembly
470-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2478	Spring Retainer Tilt Pin Locater
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
501-2487	Pin—Groove
493-4304	Pin Limiter Link
501-4309	Shift Rod
5017-4315	Limiter Arm
503-4318	Vent Tube Support
501-4321	Thrust Socket Lock
501-4324	Limiter Link
501-4330	Shift Lever Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
5017-4345	Pin—Limiter Arm

Part Number	Description
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
5017-5913	Set Screw—Limiter Arm
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7207	Lockwasher—Shift Rod Link Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod
461-8701	Cotter Pin—Limiter Link

(continued next page)



# POWERHEAD SUPPORT 507



Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
493-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly

(continued next page)



POWERHEAD SUPPORT 507 (continued)

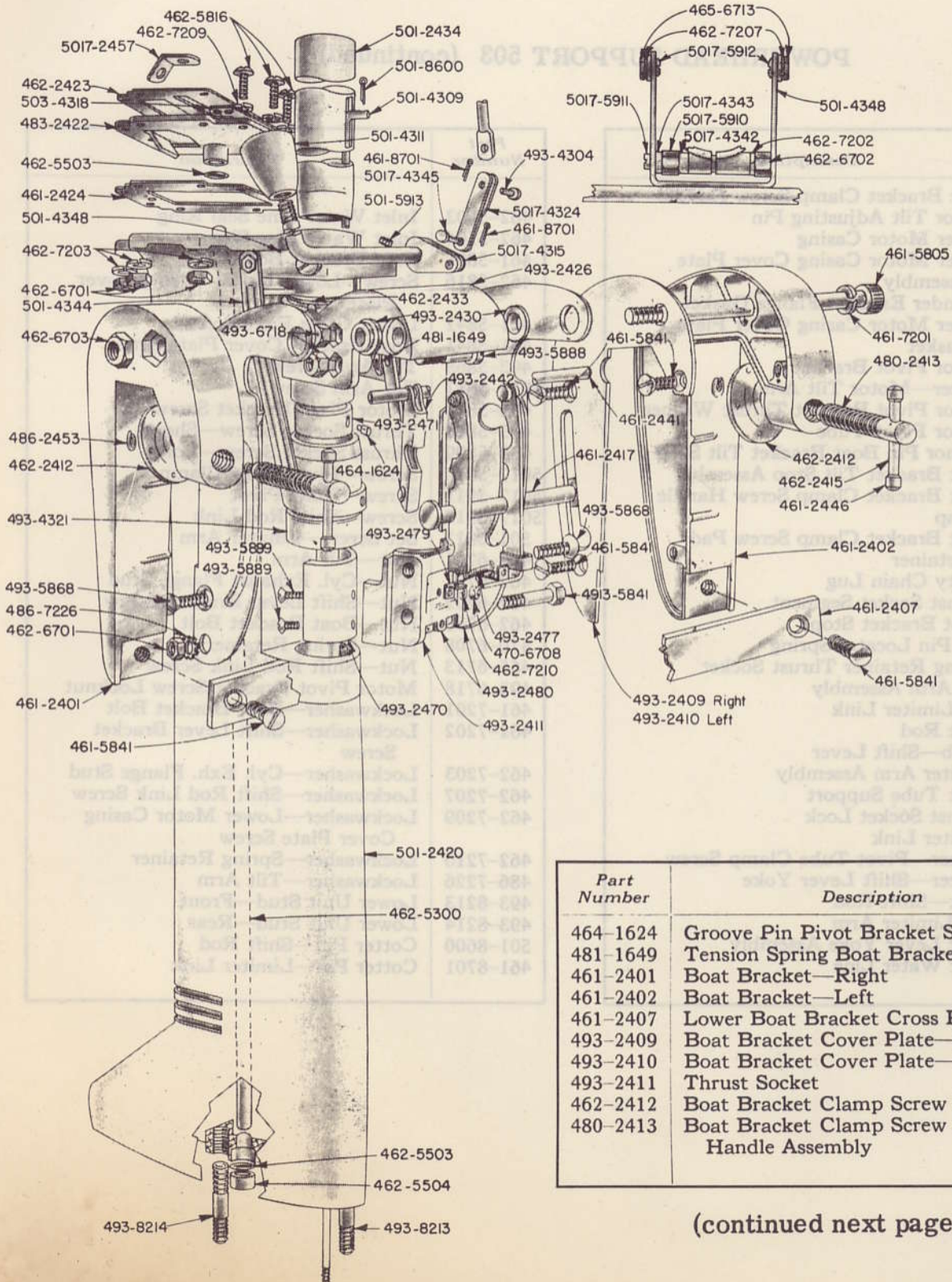
Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
501-2420	Lower Motor Casing
497-2421	Lower Motor Casing Cover Plate
497-2423	Cylinder Exhaust Flange Gasket
462-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2478	Spring Retainer Tilt Pin Locater
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
501-2487	Groove Pin
493-4304	Pin Limiter Link
501-4309	Shift Rod
5017-4315	Limiter Arm
503-4318	Vent Tube Support
501-4321	Thrust Socket Lock
5017-4324	Limiter Link
501-4330	Shift Lever Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke

Part Number	Description
501-4344	Link—Shift Rod
5017-4345	Pin Limiter Arm
497-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
5017-5913	Set Screw—Limiter Arm
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Pivot Tube Clamp Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod
461-8701	Cotter Pin—Limiter Link

(continued next page)



# POWERHEAD SUPPORT 503



Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
493-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly

(continued next page)



POWERHEAD SUPPORT 503 (continued)

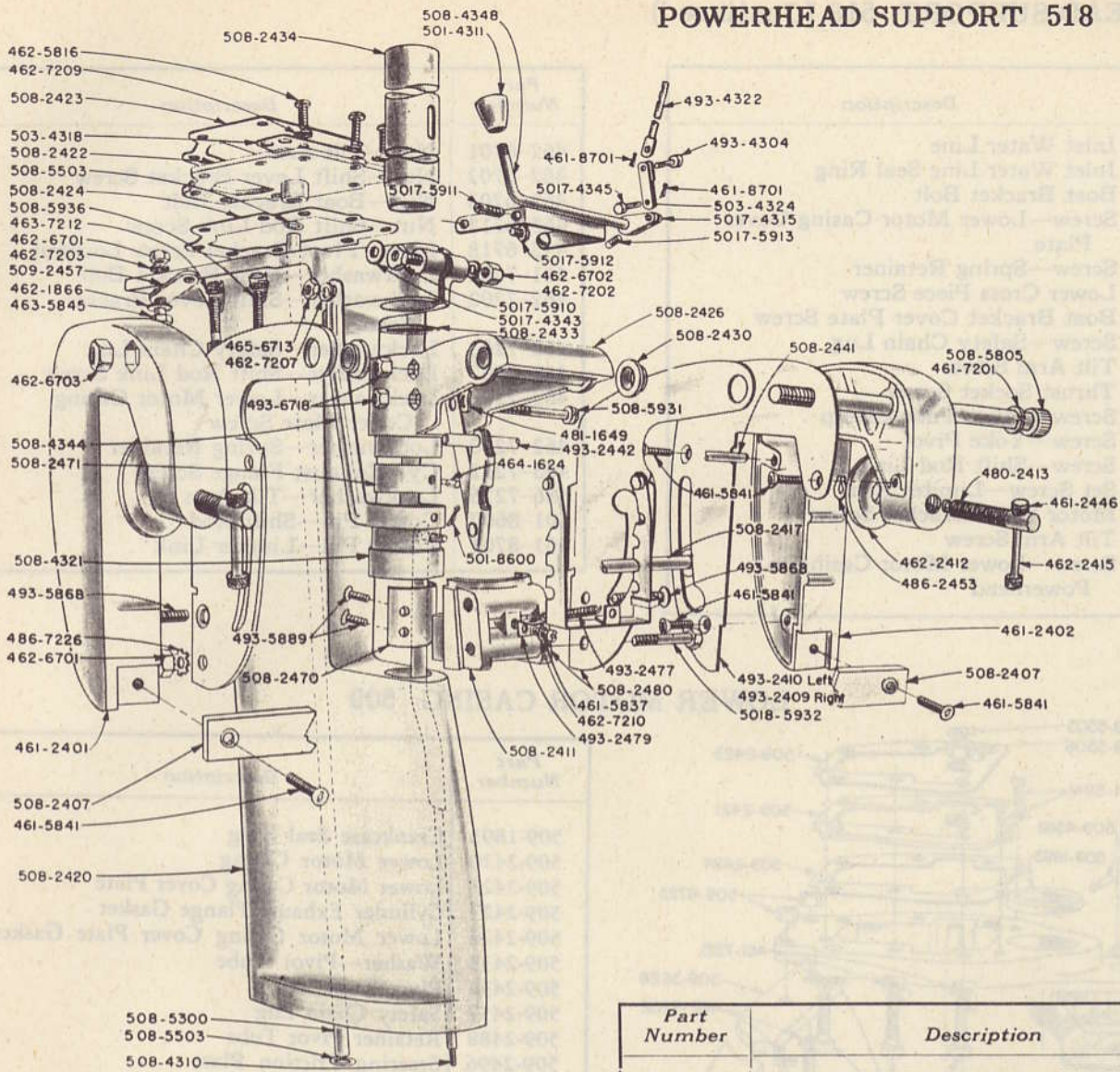
Part Number	Description
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
493-2420	Lower Motor Casing
483-2422	Lower Motor Casing Cover Plate Assembly
462-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
493-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
493-4304	Pin Limiter Link
501-4309	Shift Rod
501-4311	Knob—Shift Lever
5017-4315	Limiter Arm Assembly
503-4318	Vent Tube Support
493-4321	Thrust Socket Lock
5017-4324	Limiter Link
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
5017-4345	Pin Limiter Arm
501-4348	Shift Lever Yoke Assembly
462-5300	Inlet Water Line

Part Number	Description
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
501-5913	Set Screw—Limiter Arm
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
470-6708	Nut—Spring Retainer
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod
461-8701	Cotter Pin—Limiter Link

(continued next page)



# POWERHEAD SUPPORT 518



Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
462-1866	Washer—Safety Chain Lug
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
508-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
508-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
508-2417	Motor Tilt Adjusting Pin
508-2420	Lower Motor Casing
508-2422	Lower Motor Casing Cover Plate Assembly
508-2423	Cylinder Exhaust Flange Gasket
508-2424	Lower Motor Casing Cover Plate Gasket
508-2426	Motor Pivot Bracket
508-2430	Spacer—Motor Tilt Arm
508-2433	Motor Pivot Bracket Thrust Washer
508-2434	Motor Pivot Tube

Part Number	Description
508-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
509-2457	Safety Chain Lug
508-2470	Thrust Socket Segment
508-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locator Spring
493-2479	Spring Retainer Thrust Socket
508-2480	Tilt Arm Assembly
493-4304	Pin Limiter Link
508-4310	Shift Rod Assembly
501-4311	Knob—Shift Lever
5017-4315	Limiter Arm Assembly
503-4318	Vent Tube Support
508-4321	Thrust Socket Lock
493-4322	Limiter Rod
503-4324	Limiter Link
5017-4343	Spacer—Shift Lever Yoke
508-4344	Link—Shift Rod
5017-4345	Pin Limiter Arm
508-4348	Shift Lever Yoke Assembly

Continued next page

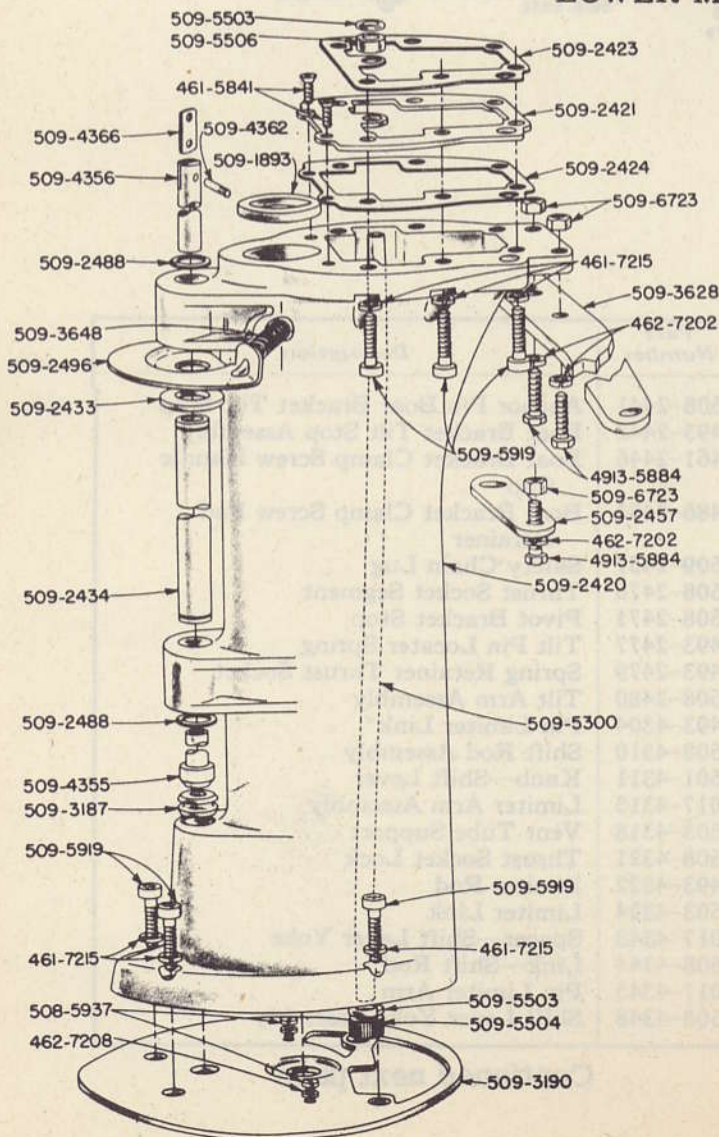


# POWERHEAD SUPPORT 518 (Continued)

Part Number	Description
508-5300	Inlet Water Line
508-5503	Inlet Water Line Seal Ring
508-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
463-5845	Screw—Safety Chain Lug
493-5868	Tilt Arm Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
5017-5913	Set Screw—Limiter Arm
508-5931	Motor Pivot Bracket Screw
5018-5932	Tilt Arm Screw
508-5936	Screw—Lower Motor Casing to Powerhead

Part Number	Description
462-6701	Nut—Tilt Arm
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Safety Chain Lug
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
463-7212	Cyl. Exhaust Flange Screw
486-7226	Lockwasher—Tilt Arm
501-8600	Cotter Pin—Shift Rod
461-8701	Cotter Pin—Limiter Link

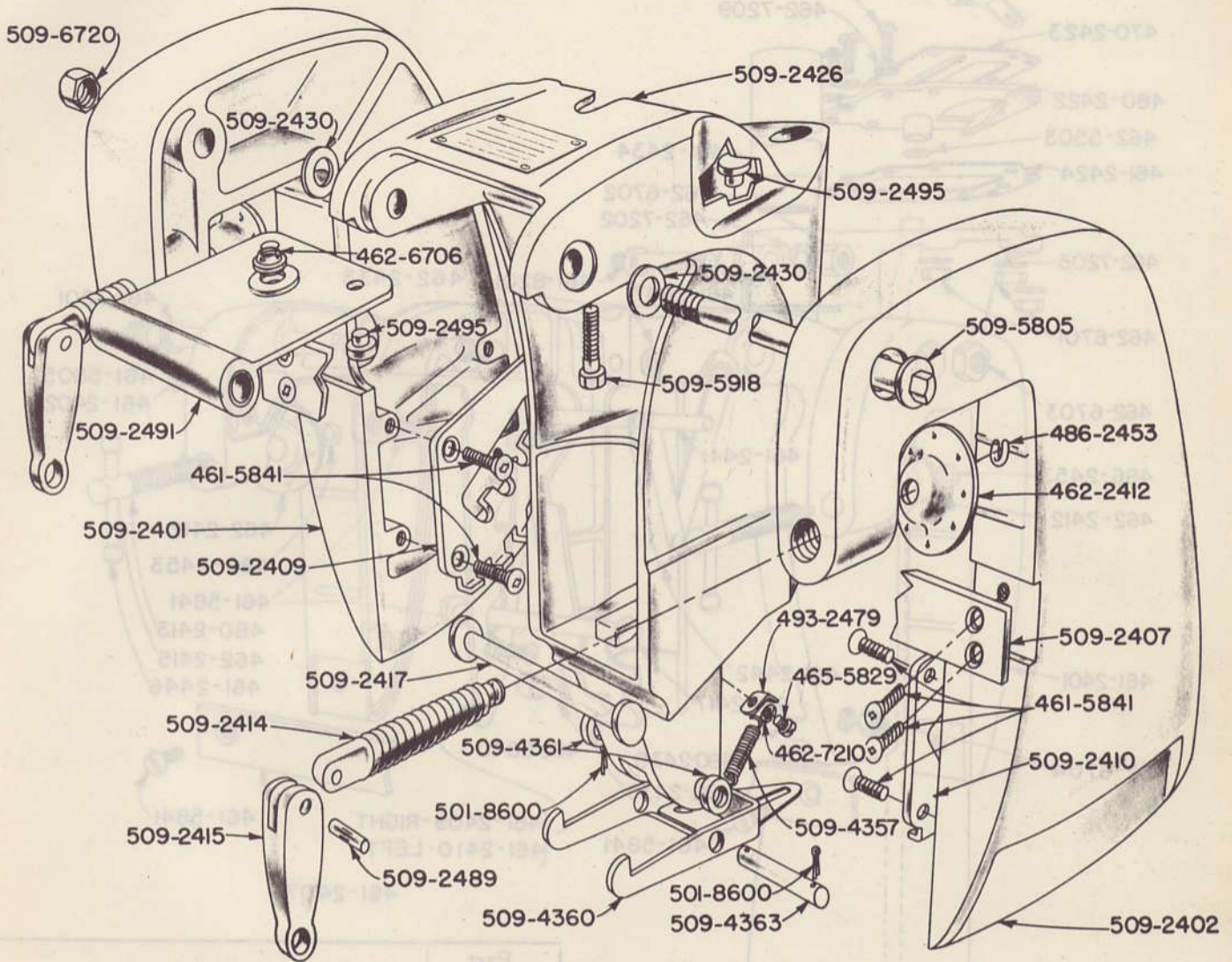
## LOWER MOTOR CASING 509



Part Number	Description
509-1893	Crankcase Seal Ring
509-2420	Lower Motor Casing
509-2421	Lower Motor Casing Cover Plate
509-2423	Cylinder Exhaust Flange Gasket
509-2424	Lower Motor Casing Cover Plate Gasket
509-2433	Washer—Pivot Tube
509-2434	Pivot Tube
509-2457	Safety Chain Lug
509-2488	Retainer Pivot Tube
509-2496	Steering Friction Plate
509-3187	Grommet
509-3190	Splash Plate
*509-3628	Tiller Bar (Includes two ea. 4913-5884, 509-6723, 462-7202)
509-3648	Spring—Motor Cushioning
509-4355	Reverse Lock Actuator Assembly
509-4356	Shift Connector
509-4362	Groove Pin—Shift Connector
509-4366	Shift Actuator Link
509-5300	Water Line
509-5503	"O" Ring—Water Line
509-5504	Water Line Sleeve
509-5506	Sleeve—Water Line Inlet
461-5841	Screw—Lower Motor Casing Cover Plate
4913-5884	Screw—Safety Chain Lug
509-5919	Screw—Lower Motor Casing & Lower Unit—Powerhead to Lower Motor Casing
508-5937	Screw—Splash Plate
509-6723	Nut—Safety Chain Lug
462-7202	Lockwasher—Safety Chain Lug
462-7208	Lockwasher—Splash Plate
461-7215	Lockwasher
<i>* Not Included With Motor</i>	



**BOAT BRACKET 509**



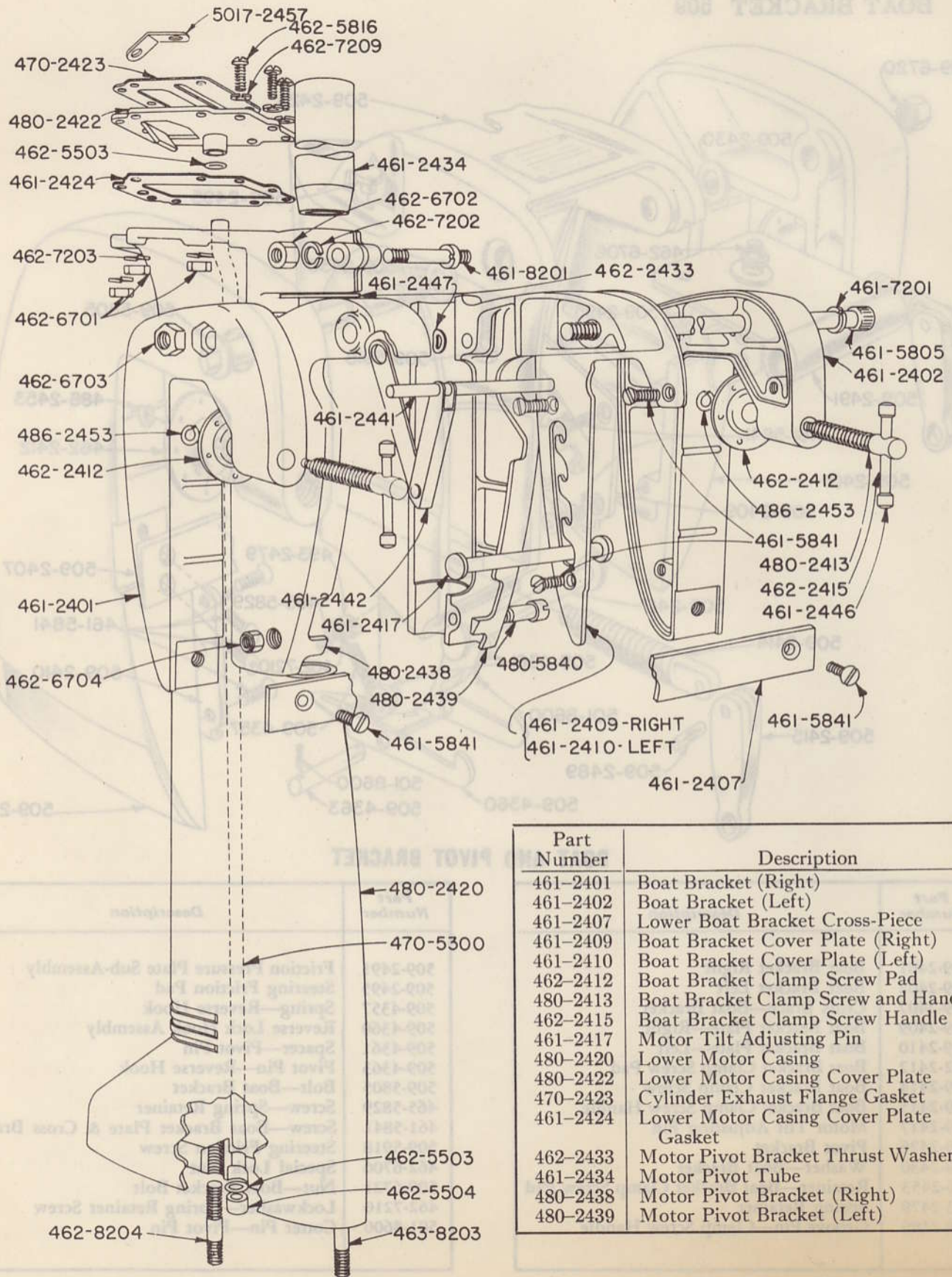
**BOAT AND PIVOT BRACKET**

Part Number	Description
509-2401	Boat Bracket Right
509-2402	Boat Bracket Left
509-2407	Cross Brace—Boat Bracket
509-2409	Boat Bracket Plate—Right
509-2410	Boat Bracket Plate—Left
462-2412	Boat Bracket Clamp Screw Pad
509-2414	Boat Bracket Clamp Screw
509-2415	Boat Bracket Clamp Screw Handle
509-2417	Motor Tilt Adjusting Pin
509-2426	Pivot Bracket
509-2430	Washer—Boat Bracket
486-2453	Retainer—Boat Bracket Clamp Screw Pad
493-2479	Spring Retainer
509-2489	Groove Pin—Clamp Screw Handle

Part Number	Description
509-2491	Friction Pressure Plate Sub-Assembly
509-2495	Steering Friction Pad
509-4357	Spring—Reverse Hook
509-4360	Reverse Lock Hook Assembly
509-4361	Spacer—Pivot Pin
509-4363	Pivot Pin—Reverse Hook
509-5805	Bolt—Boat Bracket
465-5829	Screw—Spring Retainer
461-5841	Screw—Boat Bracket Plate & Cross Brace
509-5918	Steering Friction Screw
462-6706	Special Lock Nut
509-6721	Nut—Boat Bracket Bolt
462-7210	Lockwasher—Spring Retainer Screw
501-8600	Cotter Pin—Pivot Pin



# POWERHEAD SUPPORT - 510



Part Number	Description
461-2401	Boat Bracket (Right)
461-2402	Boat Bracket (Left)
461-2407	Lower Boat Bracket Cross-Piece
461-2409	Boat Bracket Cover Plate (Right)
461-2410	Boat Bracket Cover Plate (Left)
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
480-2420	Lower Motor Casing
480-2422	Lower Motor Casing Cover Plate
470-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
462-2433	Motor Pivot Bracket Thrust Washer
461-2434	Motor Pivot Tube
480-2438	Motor Pivot Bracket (Right)
480-2439	Motor Pivot Bracket (Left)



**POWERHEAD SUPPORT - 510 continued)**

Part Number	Description
461-2441	Anchor Pin—Boat Bracket Tilt Stop
461-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
461-2447	Tension Spring—Boat Bracket Tilt Stop
486-2453	Retainer—Clamp Screw Pad
5017-2457	Safety Chain Lug
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
462-5504	Inlet Water Line Sleeve
461-5805	Bolt—Boat Bracket
462-5816	Lower Motor Casing Cover Plate Screw
480-5840	Motor Pivot Bracket Screw

Part Number	Description
461-5841	Lower Cross-Piece Screw
461-5841	Boat Bracket Cover Plate Screw
462-6701	Cylinder Exhaust Flange Stud Nut
462-6702	Shoulder Stud Nut
462-6703	Nut—Boat Bracket Bolt
462-6704	Lock Nut—Pivot Bracket Screw
461-7201	Lock Washer—Boat Bracket Bolt
462-7202	Lock Washer—Shoulder Stud Nut
462-7203	Lock Washer—Cyl. Exh. Flange Stud
462-7209	Lock Washer—Lower Motor Casing Cover Plate Screw
461-8201	Shoulder Stud
463-8203	Lower Unit Stud (Front)
462-8204	Lower Unit Stud (Rear)

**POWERHEAD SUPPORT - 511 - 517 - 513**

Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
511-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
501-2420	Lower Motor Casing
* 497-2421	Lower Motor Casing Cover Plate
* 497-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
511-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
493-2480	Tilt Arm Assembly
501-2487	Groove Pin
501-4309	Shift Rod
503-4318	Vent Tube Support
501-4321	Thrust Socket Lock

Part Number	Description
518-4330	Shift Lever Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
* 497-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
511-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw—Short
493-5899	Thrust Socket Screw—Long
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Pivot Tube Clamp Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod

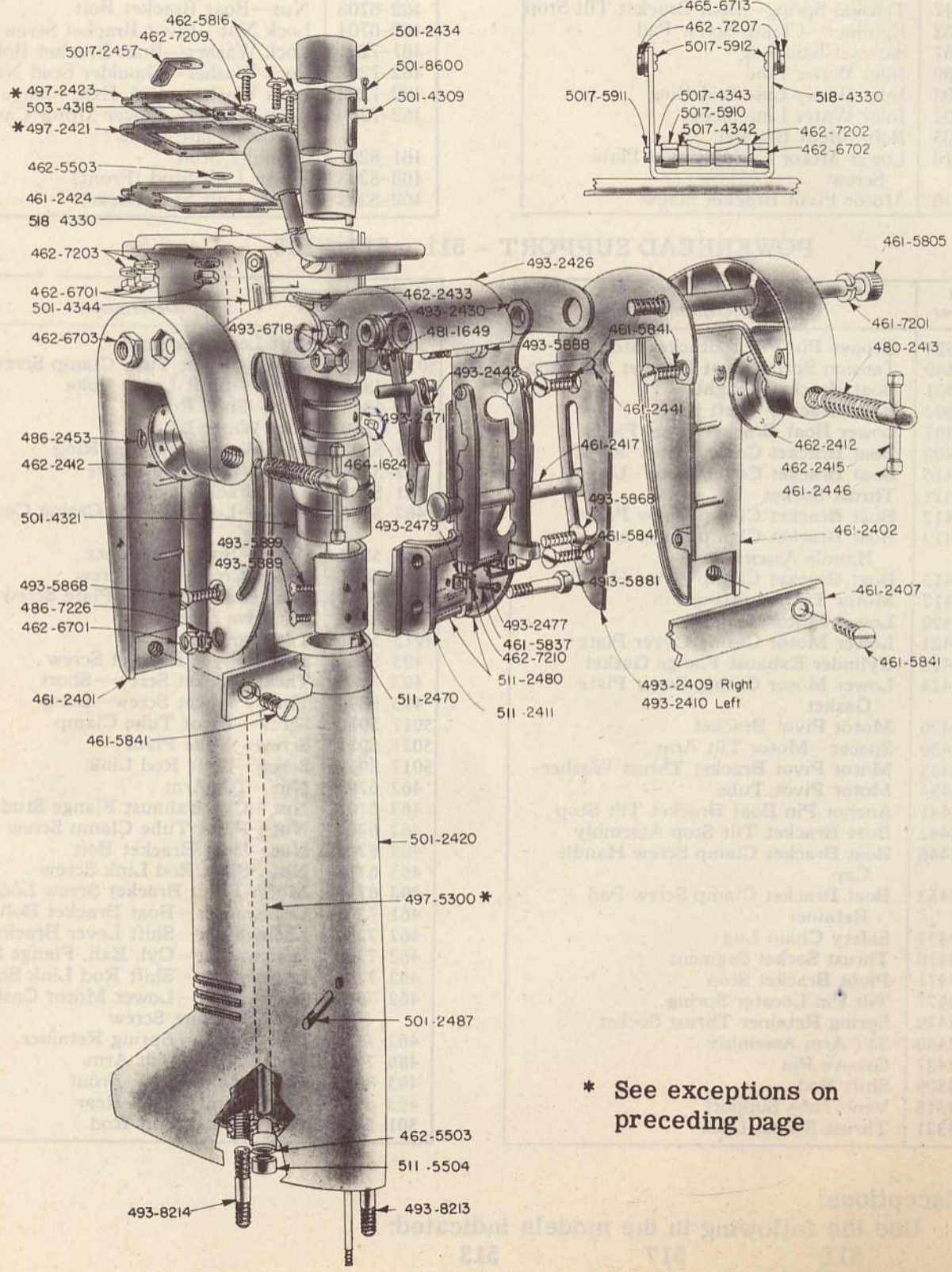
\* Exceptions:

Use the following in the models indicated:

511	517	513
480-2422	497-2421	483-2422
470-2423	497-2423	462-2423
470-5300	497-5300	462-5300



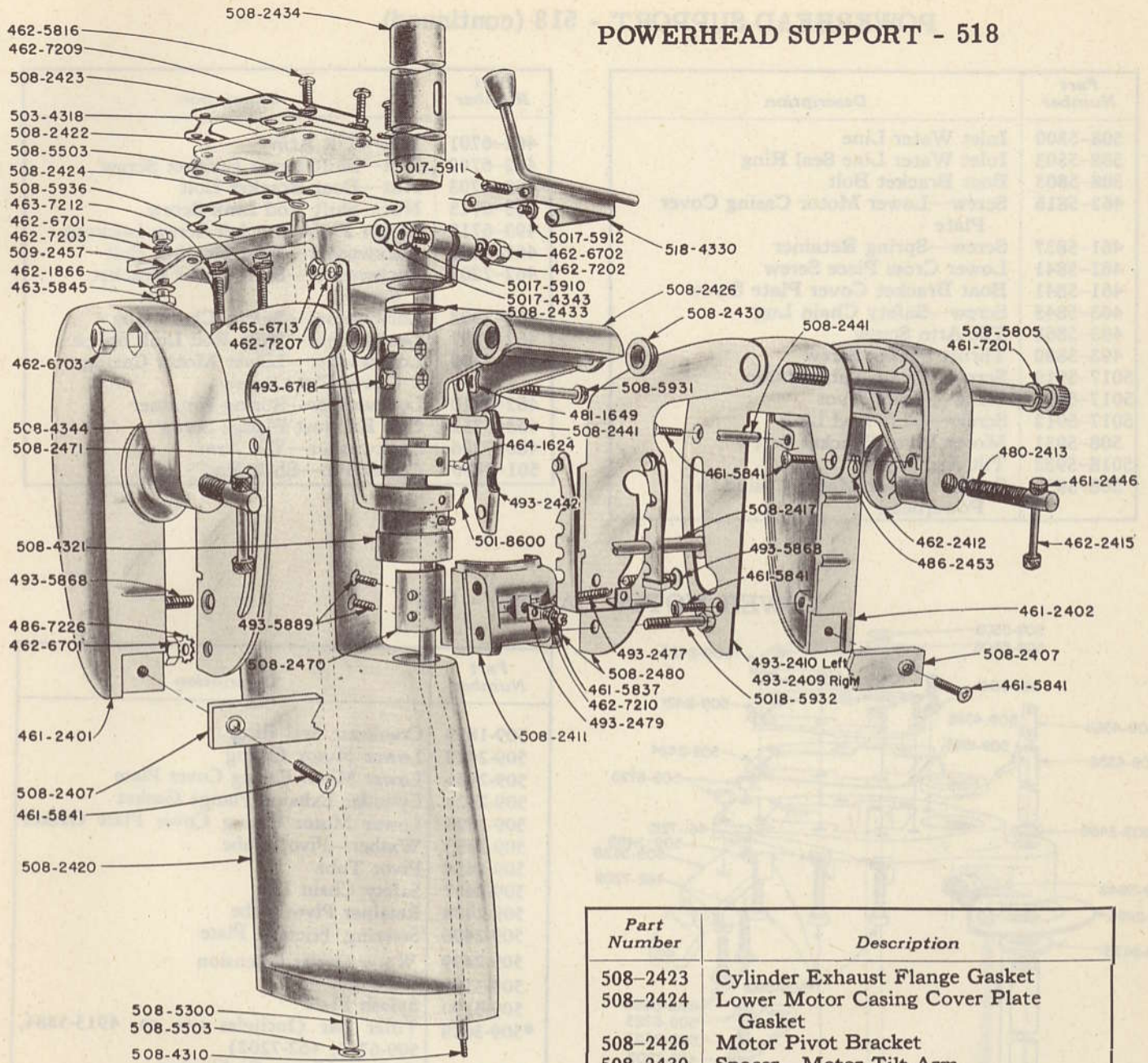
POWERHEAD SUPPORT - 511 - 517 - 513



\* See exceptions on preceding page



# POWERHEAD SUPPORT - 518



Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
462-1866	Washer—Safety Chain Lug
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
508-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
508-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
508-2417	Motor Tilt Adjusting Pin
508-2420	Lower Motor Casing
508-2422	Lower Motor Casing Cover Plate Assembly

Part Number	Description
508-2423	Cylinder Exhaust Flange Gasket
508-2424	Lower Motor Casing Cover Plate Gasket
508-2426	Motor Pivot Bracket
508-2430	Spacer—Motor Tilt Arm
508-2433	Motor Pivot Bracket Thrust Washer
508-2434	Motor Pivot Tube
508-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
509-2457	Safety Chain Lug
508-2470	Thrust Socket Segment
508-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
508-2480	Tilt Arm Assembly
508-4310	Shift Rod Assembly
503-4318	Vent Tube Support
508-4321	Thrust Socket Lock
5017-4343	Spacer—Shift Lever Yoke
508-4344	Link—Shift Rod
518-4330	Shift Lever Yoke Assembly

Continued next page

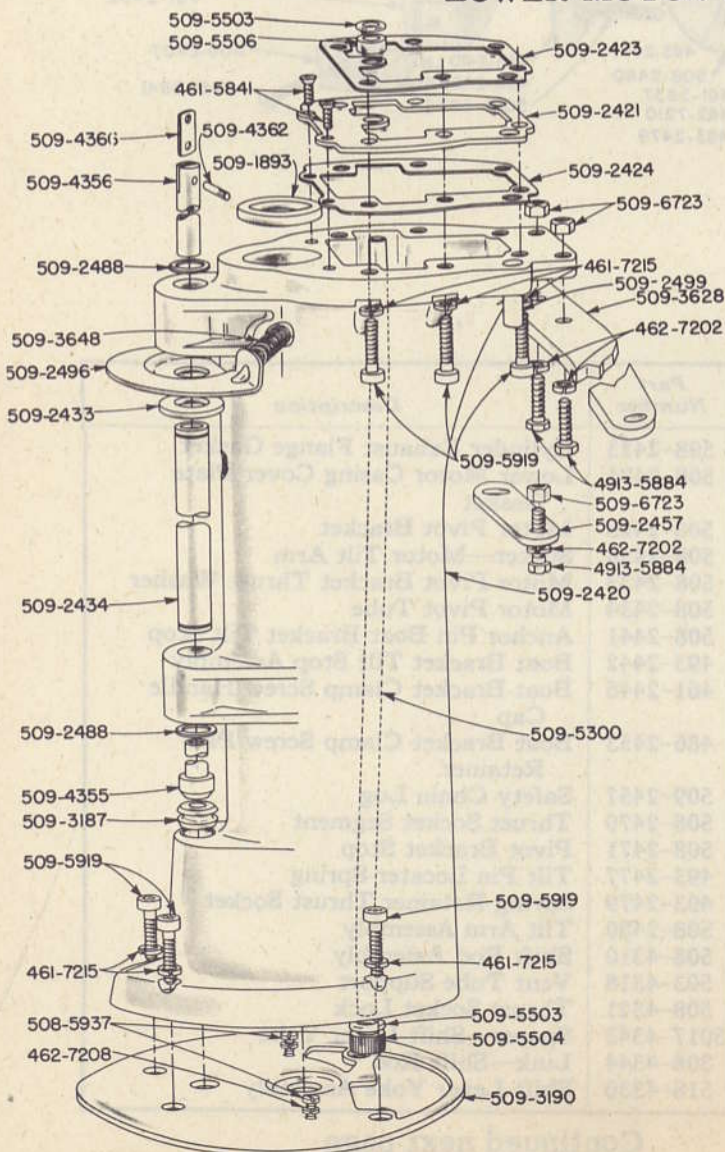


## POWERHEAD SUPPORT - 518 (continued)

Part Number	Description
508-5300	Inlet Water Line
508-5503	Inlet Water Line Seal Ring
508-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
463-5845	Screw—Safety Chain Lug
493-5868	Tilt Arm Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
508-5931	Motor Pivot Bracket Screw
5018-5932	Tilt Arm Screw
508-5936	Screw—Lower Motor Casing to Powerhead

Part Number	Description
462-6701	Nut—Tilt Arm
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Safety Chain Lug
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
463-7212	Cyl. Exhaust Flange Screw
486-7226	Lockwasher—Tilt Arm
501-8600	Cotter Pin—Shift Rod

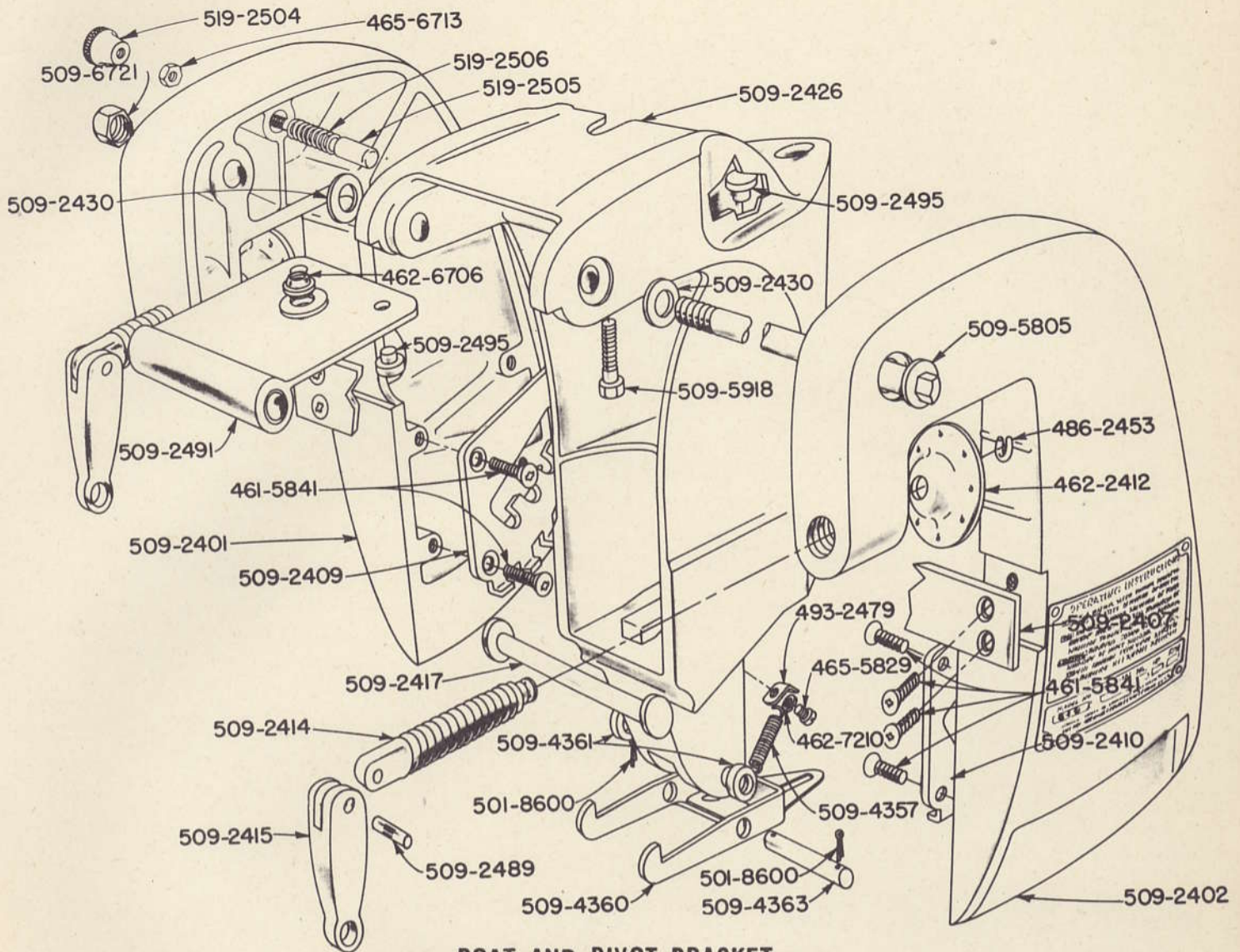
## LOWER MOTOR CASING - 519



Part Number	Description
509-1893	Crankcase Seal Ring
509-2420	Lower Motor Casing
509-2421	Lower Motor Casing Cover Plate
509-2423	Cylinder Exhaust Flange Gasket
509-2424	Lower Motor Casing Cover Plate Gasket
509-2433	Washer—Pivot Tube
509-2434	Pivot Tube
509-2457	Safety Chain Lug
509-2488	Retainer Pivot Tube
509-2496	Steering Friction Plate
509-2499	Water Outlet Extension
509-3187	Grommet
509-3190	Splash Plate
*509-3628	Tiller Bar (Includes two ea. 4913-5884, 509-6723, 462-7202)
509-3648	Spring—Motor Cushioning
509-4355	Reverse Lock Actuator Assembly
509-4356	Shift Connector
509-4362	Groove Pin—Shift Connector
509-4366	Shift Actuator Link
509-5300	Water Line
509-5503	"O" Ring—Water Line
509-5504	Water Line Sleeve
509-5506	Sleeve—Water Line Inlet
461-5841	Screw—Lower Motor Casing Cover Plate
4913-5884	Screw—Safety Chain Lug
509-5919	Screw—Lower Motor Casing & Lower Unit—Powerhead to Lower Motor Casing
508-5937	Screw—Splash Plate
509-6723	Nut—Safety Chain Lug
462-7202	Lockwasher—Safety Chain Lug
462-7208	Lockwasher—Splash Plate
461-7215	Lockwasher
* Not Included With Motor	



## BOAT BRACKET - 519



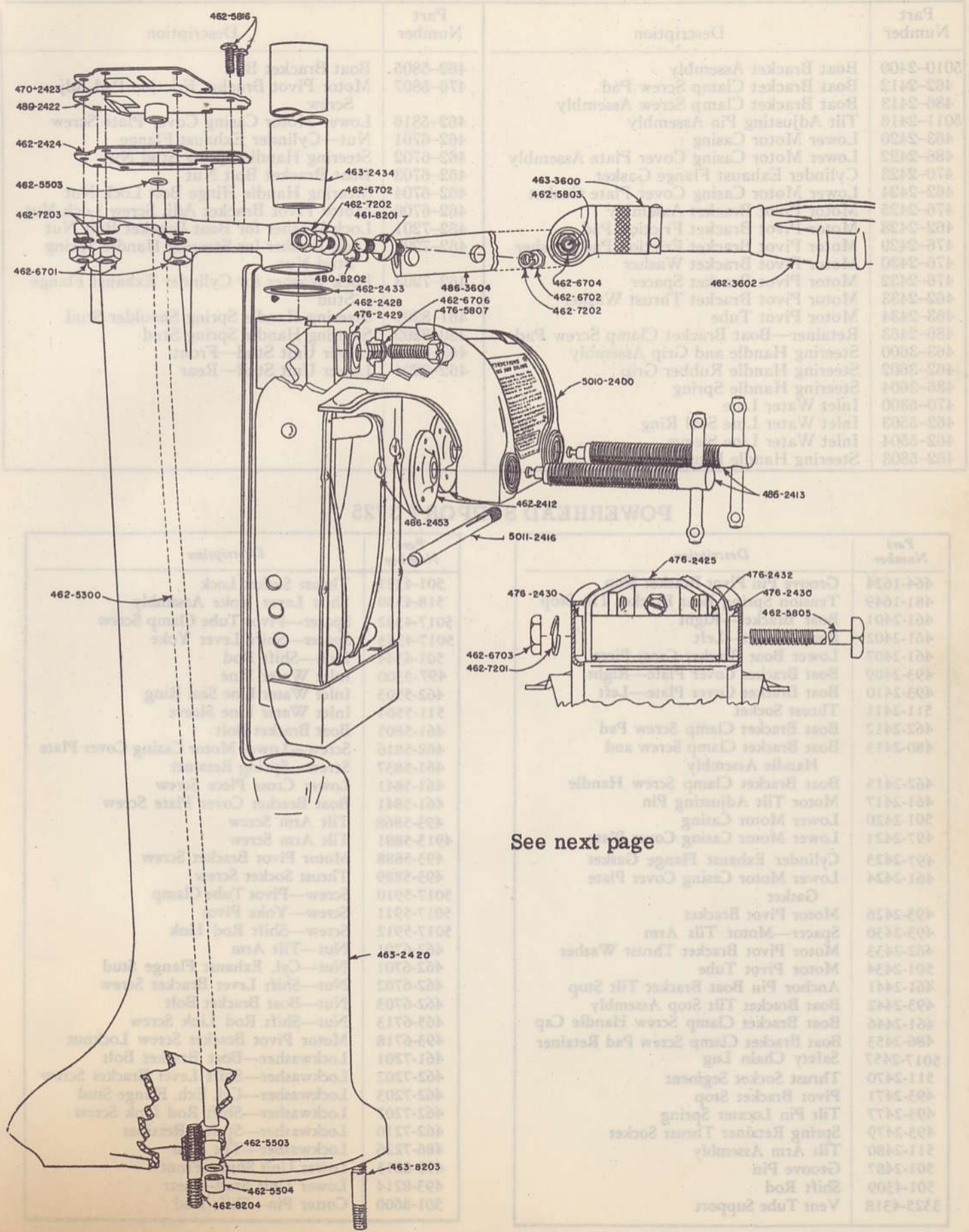
### BOAT AND PIVOT BRACKET

Part Number	Description
509-2401	Boat Bracket Right
509-2402	Boat Bracket Left
509-2407	Cross Brace—Boat Bracket
509-2409	Boat Bracket Plate—Right
509-2410	Boat Bracket Plate—Left
462-2412	Boat Bracket Clamp Screw Pad
509-2414	Boat Bracket Clamp Screw
509-2415	Boat Bracket Clamp Screw Handle
509-2417	Motor Tilt Adjusting Pin
509-2426	Pivot Bracket
509-2430	Washer—Boat Bracket
486-2453	Retainer—Boat Bracket Clamp Screw Pad
493-2479	Spring Retainer
509-2489	Groove Pin—Clamp Screw Handle
509-2491	Friction Pressure Plate Sub-Assembly
509-2495	Steering Friction Pad

Part Number	Description
519-2504	Knob—Tilt Lock
519-2505	Plunger—Tilt Lock
519-2506	Spring—Tilt Lock
509-4357	Spring—Reverse Hook
509-4360	Reverse Lock Hook Assembly
509-4361	Spacer—Pivot Pin
509-4363	Pivot Pin—Reverse Hook
509-5805	Bolt—Boat Bracket
465-5829	Screw—Spring Retainer
461-5841	Screw—Boat Bracket Plate & Cross Brace
509-5918	Steering Friction Screw
462-6706	Special Lock Nut
467-6713	Nut—Knob Lock
509-6721	Nut—Boat Bracket Bolt
462-7210	Lockwasher—Spring Retainer Screw
501-8600	Cotter Pin—Pivot Pin



# POWERHEAD SUPPORT 3025



See next page



**POWERHEAD SUPPORT 3025**

Part Number	Description	Part Number	Description
5010-2400	Boat Bracket Assembly	462-5805	Boat Bracket Bolt
462-2412	Boat Bracket Clamp Screw Pad	476-5807	Motor Pivot Bracket Friction Pad Adj. Screw
486-2413	Boat Bracket Clamp Screw Assembly	462-5816	Lower Motor Casing Cover Plate Screw
5011-2416	Tilt Adjusting Pin Assembly	462-6701	Nut—Cylinder Exhaust Flange
463-2420	Lower Motor Casing	462-6702	Steering Handle Spring Stud Nut
486-2422	Lower Motor Casing Cover Plate Assembly	462-6703	Boat Bracket Bolt Nut
470-2423	Cylinder Exhaust Flange Gasket	462-6704	Steering Handle Hinge Bolt Lock Nut
462-2424	Lower Motor Casing Cover Plate Gasket	462-6706	Motor Pivot Bracket Adj. Screw Lock Nut
476-2425	Motor Pivot Bracket Assembly	462-7201	Lock Washer for Boat Bracket Bolt Nut
462-2428	Motor Pivot Bracket Friction Pad	462-7202	Lock Washer for Steering Handle Spring Stud Nut
476-2429	Motor Pivot Bracket Friction Pad Washer	462-7203	Lock Washer for Cylinder Exhaust Flange Stud
476-2430	Motor Pivot Bracket Washer	461-8201	Steering Handle Spring Shoulder Stud
476-2432	Motor Pivot Bracket Spacer	480-8202	Steering Handle Spring Stud
462-2433	Motor Pivot Bracket Thrust Washer	463-8203	Lower Unit Stud—Front
463-2434	Motor Pivot Tube	462-8204	Lower Unit Stud—Rear
486-2453	Retainer—Boat Bracket Clamp Screw Pad		
463-3600	Steering Handle and Grip Assembly		
462-3602	Steering Handle Rubber Grip		
486-3604	Steering Handle Spring		
470-5300	Inlet Water Line		
462-5503	Inlet Water Line Seal Ring		
462-5504	Inlet Water Line Sleeve		
462-5803	Steering Handle Hinge Bolt		

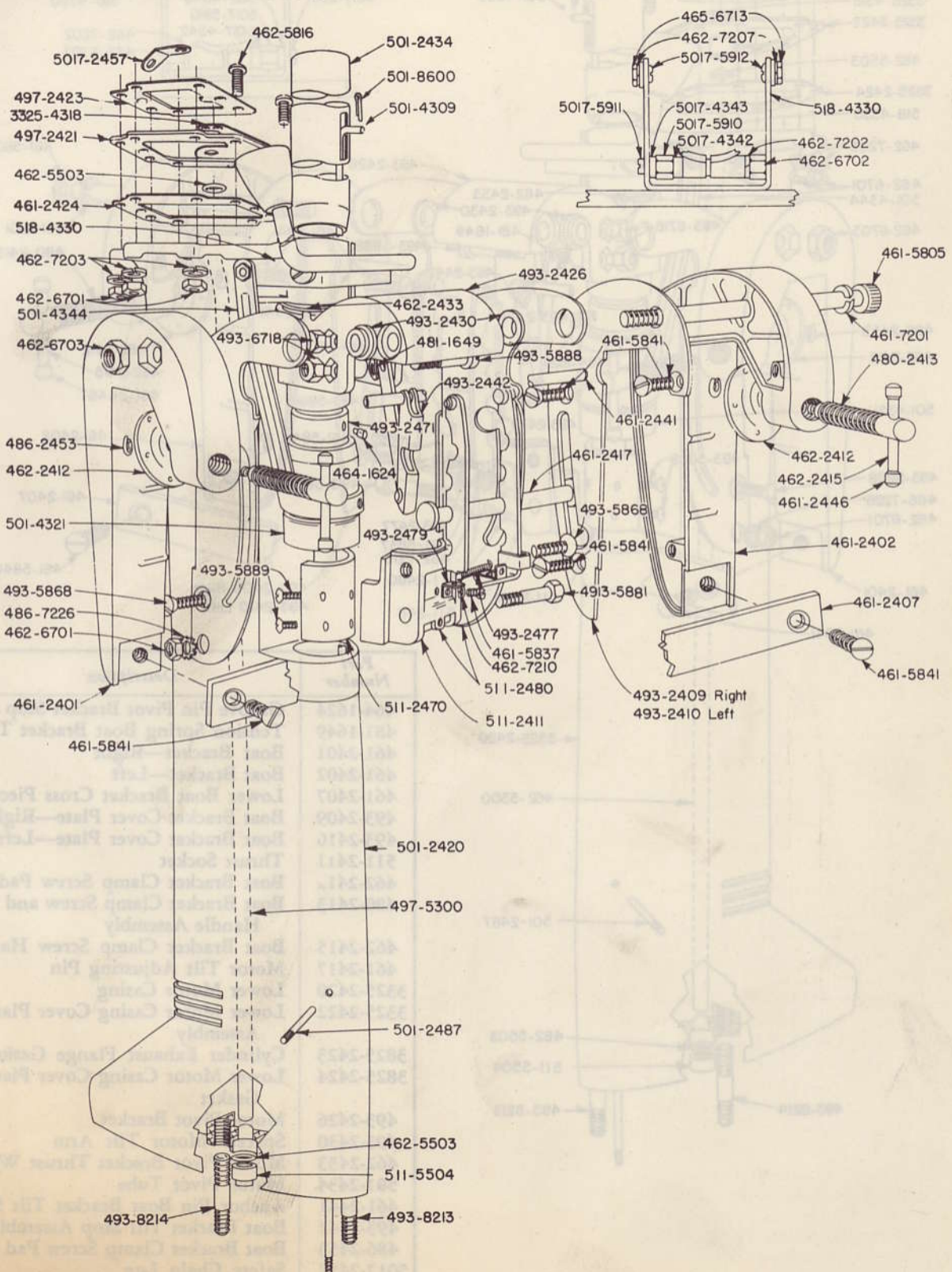
**POWERHEAD SUPPORT 3725**

Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
511-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
501-2420	Lower Motor Casing
497-2421	Lower Motor Casing Cover Plate
497-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
511-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
511-2480	Tilt Arm Assembly
501-2487	Groove Pin
501-4309	Shift Rod
3325-4318	Vent Tube Support

Part Number	Description
501-4321	Thrust Socket Lock
518-4330	Shift Lever Yoke Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
497-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
511-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7207	Lockwasher—Shift Rod Link Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod

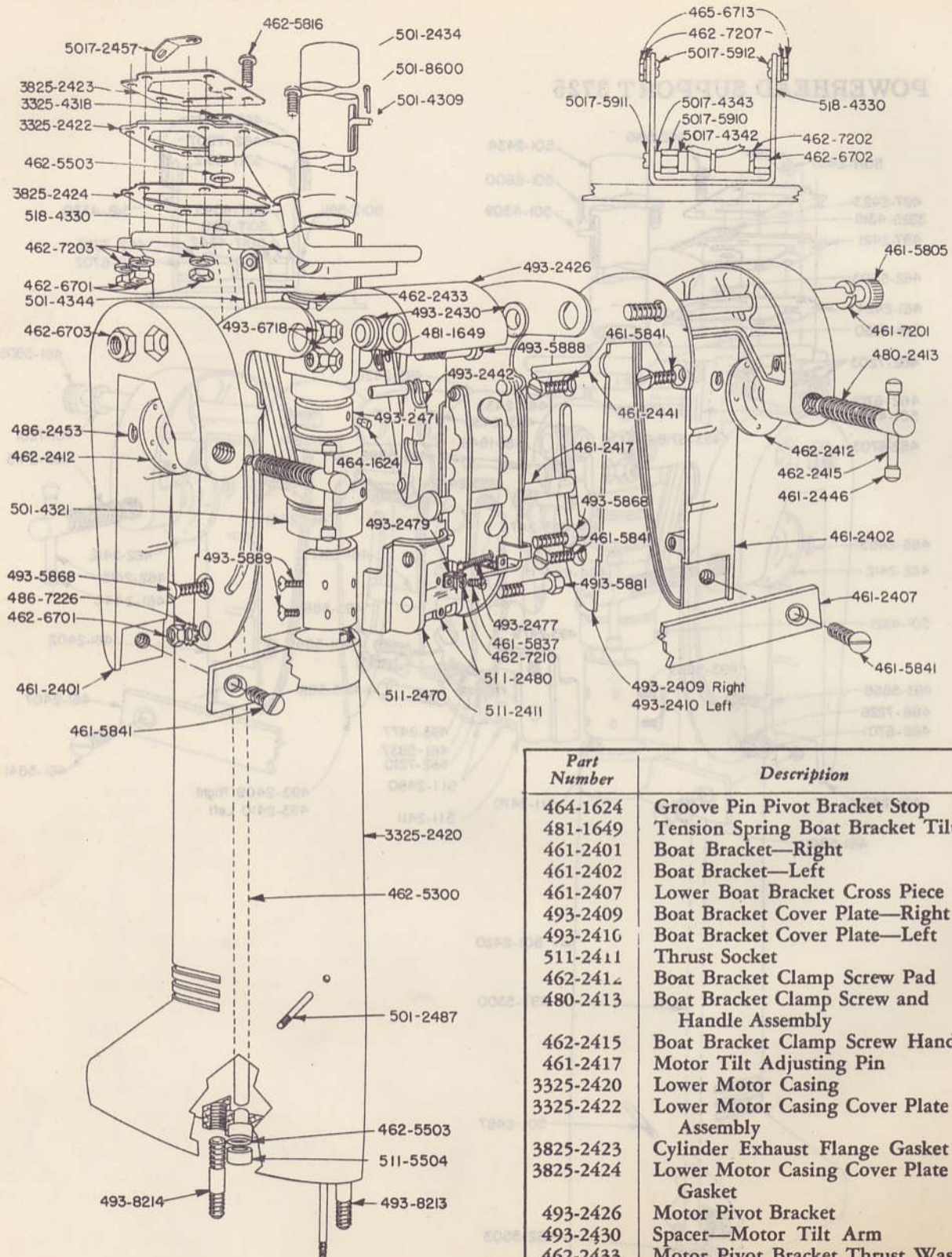


# POWERHEAD SUPPORT 3725





# POWERHEAD SUPPORT 3325



Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
511-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
3325-2420	Lower Motor Casing
3325-2422	Lower Motor Casing Cover Plate Assembly
3825-2423	Cylinder Exhaust Flange Gasket
3825-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
461-2446	Boat Bracket Clamp Screw Handle Cap

Continued next page



POWERHEAD SUPPORT 3325 (continued)

Part Number	Description
511-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
511-2480	Tilt Arm Assembly
501-2487	Groove Pin
501-4309	Shift Rod
3325-4318	Vent Tube Support
501-4321	Thrust Socket Lock
518-4330	Shift Lever Yoke Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
462-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
511-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw

Part Number	Description
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7207	Lockwasher—Shift Rod Link Screw
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
493-8213	Lower Unit Stud—Front
493-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod

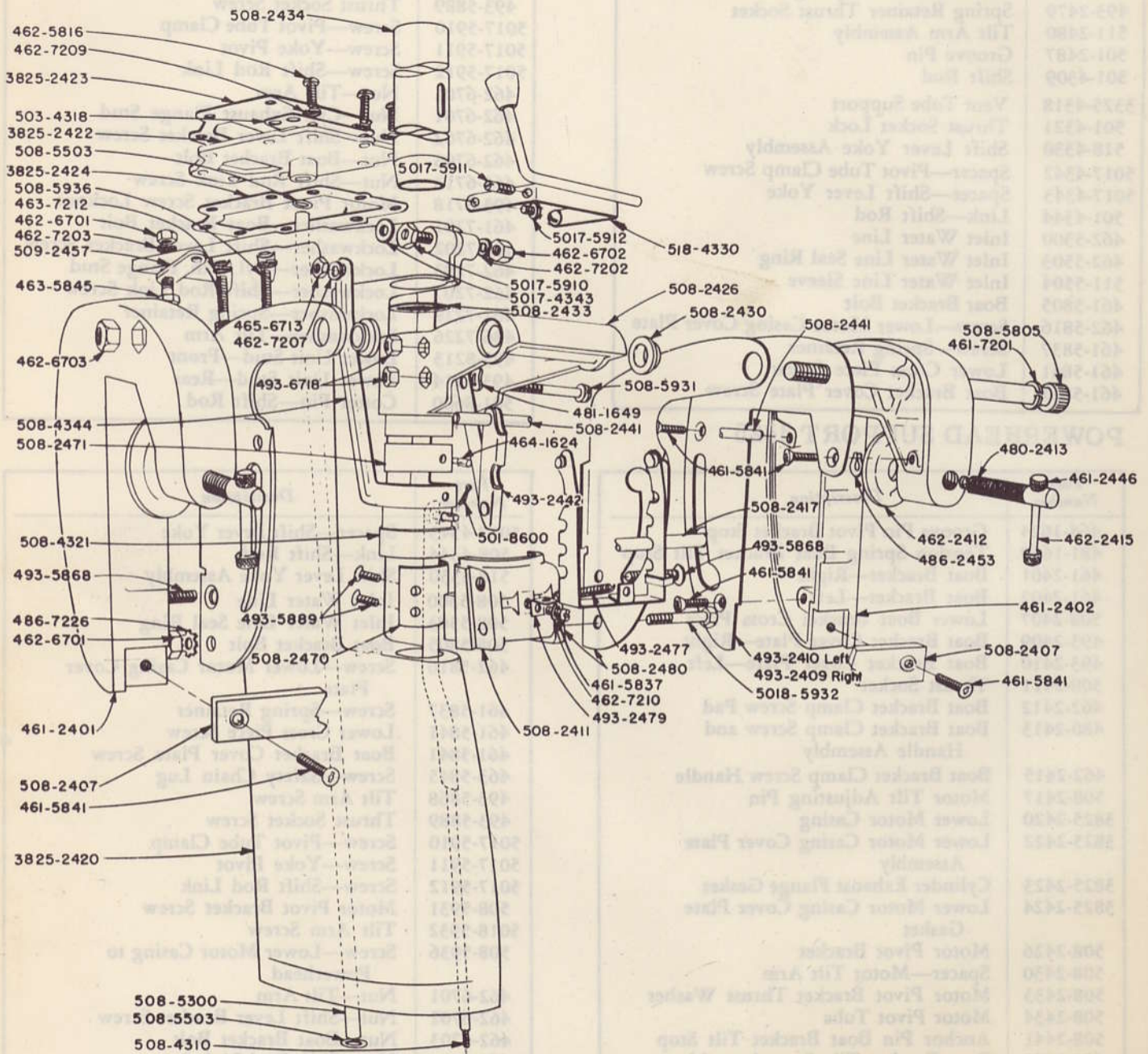
POWERHEAD SUPPORT 3825

Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
508-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
508-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
508-2417	Motor Tilt Adjusting Pin
3825-2420	Lower Motor Casing
3825-2422	Lower Motor Casing Cover Plate Assembly
3825-2423	Cylinder Exhaust Flange Gasket
3825-2424	Lower Motor Casing Cover Plate Gasket
508-2426	Motor Pivot Bracket
508-2430	Spacer—Motor Tilt Arm
508-2433	Motor Pivot Bracket Thrust Washer
508-2434	Motor Pivot Tube
508-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
509-2457	Safety Chain Lug
508-2470	Thrust Socket Segment
508-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
508-2480	Tilt Arm Assembly
508-4310	Shift Rod Assembly
503-4318	Vent Tube Support
508-4321	Thrust Socket Lock

Part Number	Description
5017-4343	Spacer—Shift Lever Yoke
508-4344	Link—Shift Rod
518-4330	Shift Lever Yoke Assembly
508-5300	Inlet Water Line
508-5503	Inlet Water Line Seal Ring
508-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
463-5845	Screw—Safety Chain Lug
493-5868	Tilt Arm Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
5017-5912	Screw—Shift Rod Link
508-5931	Motor Pivot Bracket Screw
5018-5932	Tilt Arm Screw
508-5936	Screw—Lower Motor Casing to Powerhead
462-6701	Nut—Tilt Arm
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
465-6713	Nut—Shift Rod Link Screw
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Safety Chain Lug
462-7207	Lockwasher—Shift Rod Link Screw
462-7209	Lockwasher—Lower Motor Casing Cover Plate Screw
462-7210	Lockwasher—Spring Retainer
463-7212	Cyl. Exhaust Flange Screw
486-7226	Lockwasher—Tilt Arm
501-8600	Cotter Pin—Shift Rod



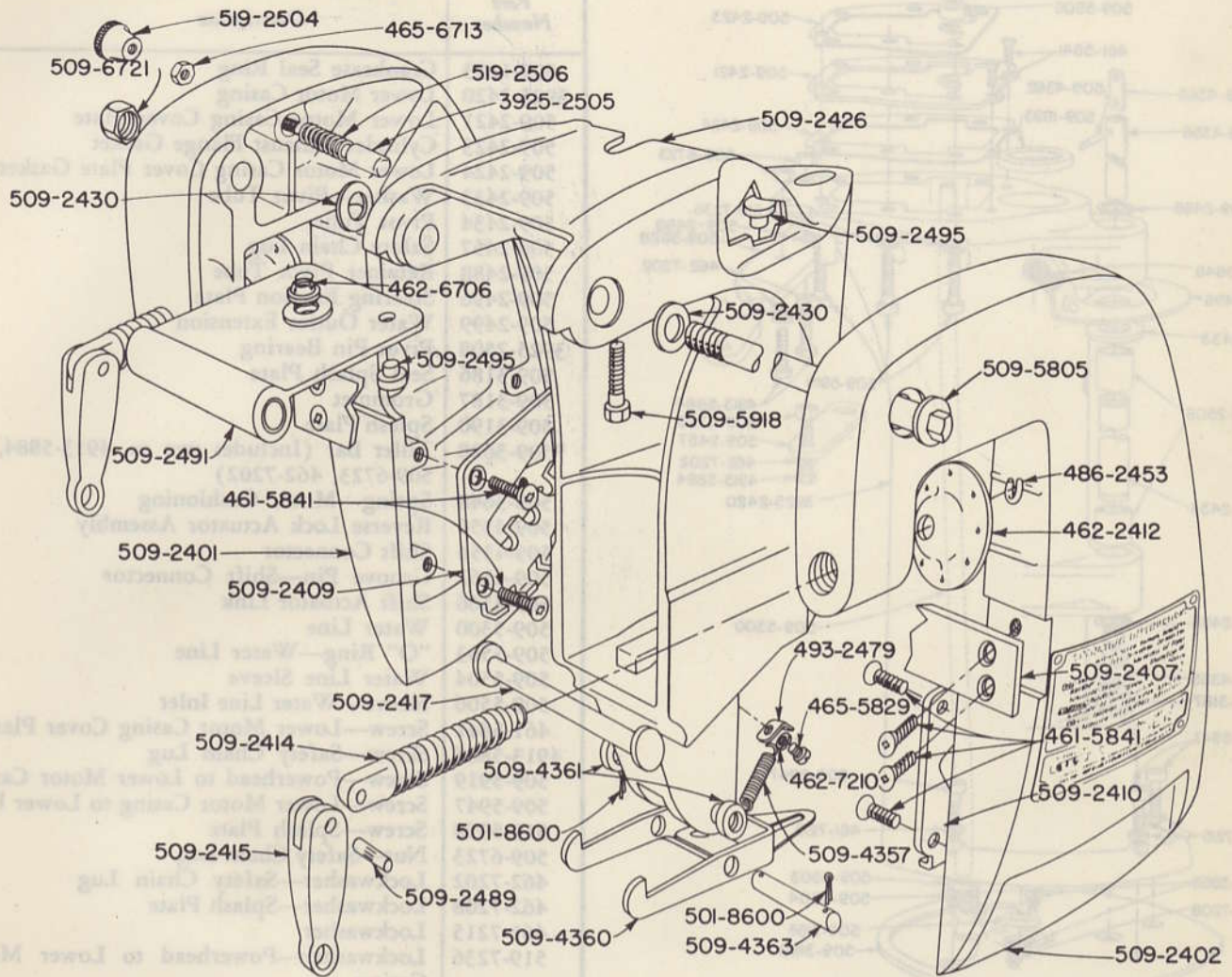
# POWERHEAD SUPPORT 3825



See parts list on preceding page.



## BOAT BRACKET 3925



Part Number	Description
509-2401	Boat Bracket Right
509-2402	Boat Bracket Left
509-2407	Cross Brace—Boat Bracket
509-2409	Boat Bracket Plate—Right
509-2410	Boat Bracket Plate—Left
462-2412	Boat Bracket Clamp Screw Pad
509-2414	Boat Bracket Clamp Screw
509-2415	Boat Bracket Clamp Screw Handle
509-2417	Motor Tilt Adjusting Pin
509-2426	Pivot Bracket
509-2430	Washer—Boat Bracket
486-2453	Retainer—Boat Bracket Clamp Screw Pad
493-2479	Spring Retainer
509-2489	Groove Pin—Clamp Screw Handle
509-2491	Friction Pressure Plate Sub-Assembly
509-2495	Steering Friction Pad

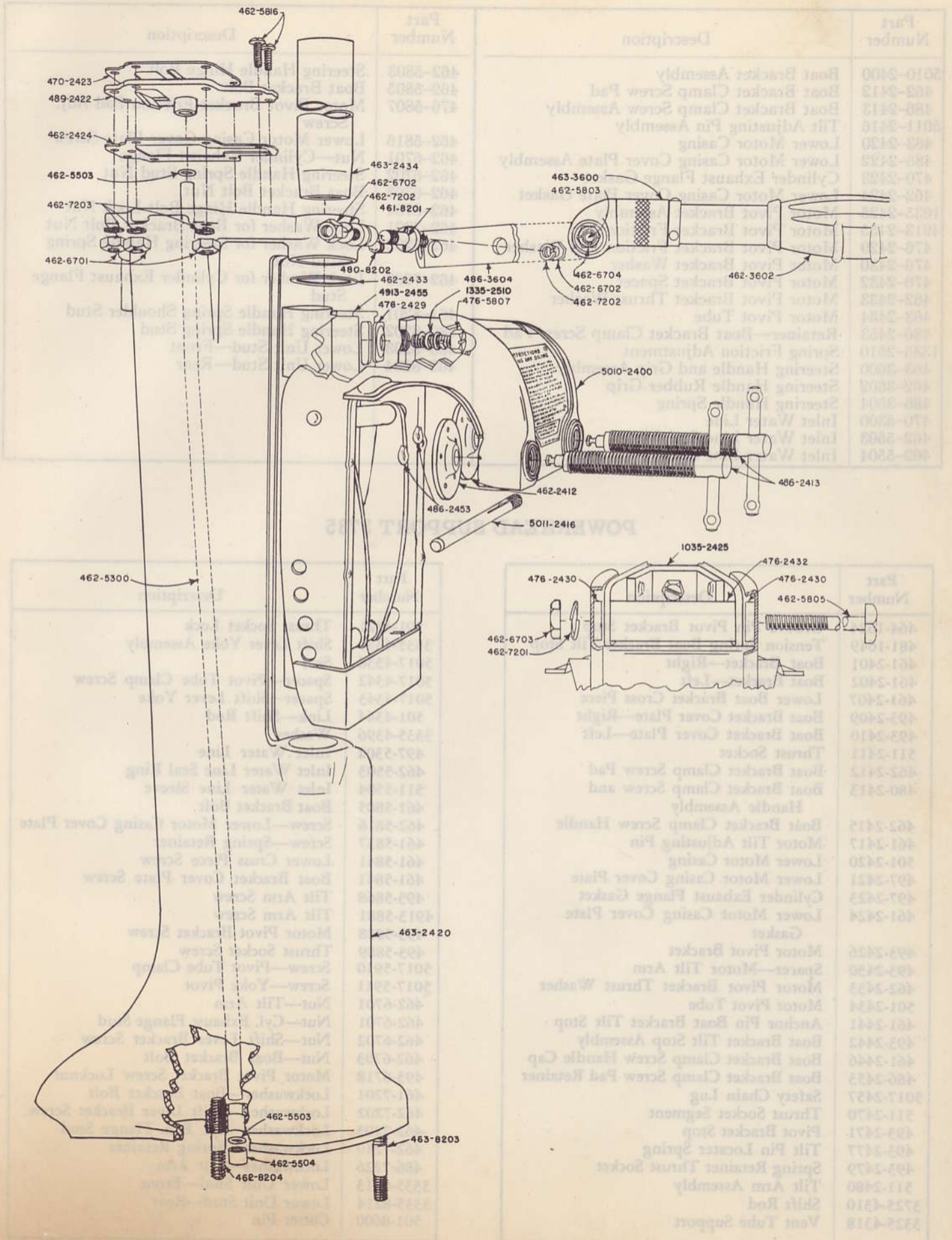
Part Number	Description
519-2504	Knob—Tilt Lock
3925-2505	Plunger—Tilt Lock
519-2506	Spring—Tilt Lock
509-4357	Spring—Reverse Hook
509-4360	Reverse Lock Hook Assembly
509-4361	Spacer—Pivot Pin
509-4363	Pivot Pin—Reverse Hook
509-5805	Bolt—Boat Bracket
465-5829	Screw—Spring Retainer
461-5841	Screw—Boat Bracket Plate & Cross Brace
509-5918	Steering Friction Screw
462-6706	Special Lock Nut
465-6713	Nut—Knob Lock
509-6721	Nut—Boat Bracket Bolt
462-7210	Lockwasher—Spring Retainer Screw
501-8600	Cotter Pin—Pivot Pin







POWERHEAD SUPPORT 3035





**POWERHEAD SUPPORT 3035**

Part Number	Description	Part Number	Description
5010-2400	Boat Bracket Assembly	462-5803	Steering Handle Hinge Bolt
462-2412	Boat Bracket Clamp Screw Pad	462-5805	Boat Bracket Bolt
486-2413	Boat Bracket Clamp Screw Assembly	476-5807	Motor Pivot Bracket Friction Pad Adj. Screw
5011-2416	Tilt Adjusting Pin Assembly	462-5816	Lower Motor Casing Cover Plate Screw
463-2420	Lower Motor Casing	462-6701	Nut—Cylinder Exhaust Flange
486-2422	Lower Motor Casing Cover Plate Assembly	462-6702	Steering Handle Spring Stud Nut
470-2423	Cylinder Exhaust Flange Gasket	462-6703	Boat Bracket Bolt Nut
462-2424	Lower Motor Casing Cover Plate Gasket	462-6704	Steering Handle Hinge Bolt Lock Nut
1035-2425	Motor Pivot Bracket Assembly	462-7201	Lock Washer for Boat Bracket Bolt Nut
4913-2455	Motor Pivot Bracket Friction Pad	462-7202	Lock Washer for Steering Handle Spring Stud Nut
476-2429	Motor Pivot Bracket Friction Pad Washer	462-7203	Lock Washer for Cylinder Exhaust Flange Stud
476-2430	Motor Pivot Bracket Washer	461-8201	Steering Handle Spring Shoulder Stud
476-2432	Motor Pivot Bracket Spacer	480-8202	Steering Handle Spring Stud
462-2433	Motor Pivot Bracket Thrust Washer	463-8203	Lower Unit Stud—Front
463-2434	Motor Pivot Tube	462-8204	Lower Unit Stud—Rear
486-2453	Retainer—Boat Bracket Clamp Screw Pad		
1335-2510	Spring Friction Adjustment		
463-3600	Steering Handle and Grip Assembly		
462-3602	Steering Handle Rubber Grip		
486-3604	Steering Handle Spring		
470-5300	Inlet Water Line		
462-5503	Inlet Water Line Seal Ring		
462-5504	Inlet Water Line Sleeve		

**POWERHEAD SUPPORT 3735**

Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
511-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
501-2420	Lower Motor Casing
497-2421	Lower Motor Casing Cover Plate
497-2423	Cylinder Exhaust Flange Gasket
461-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
5017-2457	Safety Chain Lug
511-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locator Spring
493-2479	Spring Retainer Thrust Socket
511-2480	Tilt Arm Assembly
3725-4310	Shift Rod
3325-4318	Vent Tube Support

Part Number	Description
501-4321	Thrust Socket Lock
3335-4330	Shift Lever Yoke Assembly
5017-4336	Seal
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
3335-4396	Washer
497-5302	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
511-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut—Boat Bracket Bolt
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher—Cyl. Exh. Flange Stud
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
3335-8213	Lower Unit Stud—Front
3335-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin







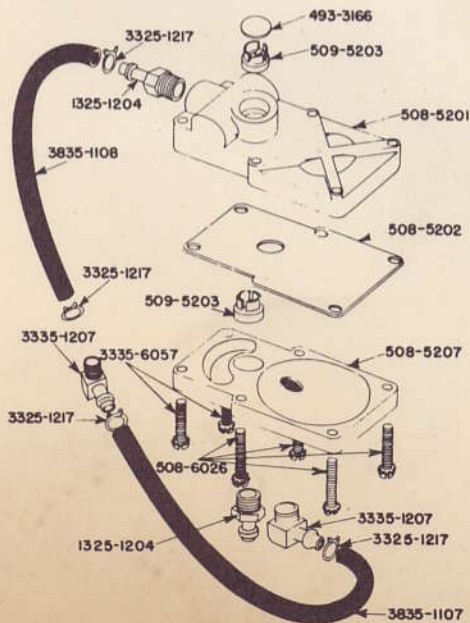




## POWERHEAD SUPPORT 3335

Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
461-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
511-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
461-2417	Motor Tilt Adjusting Pin
3325-2420	Lower Motor Casing
3325-2422	Lower Motor Casing Cover Plate Assembly
3825-2423	Cylinder Exhaust Flange Gasket
3825-2424	Lower Motor Casing Cover Plate Gasket
493-2426	Motor Pivot Bracket
493-2430	Spacer—Motor Tilt Arm
462-2433	Motor Pivot Bracket Thrust Washer
501-2434	Motor Pivot Tube
461-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
511-2470	Thrust Socket Segment
493-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket

Part Number	Description
511-2480	Tilt Arm Assembly
3335-3606	Carryhandle
3725-4310	Shift Rod Assem.
3325-4318	Drain Tube Support
501-4321	Thrust Socket Lock
3335-4330	Shift Lever Yoke Assembly
5017-4342	Spacer—Pivot Tube Clamp Screw
5017-4343	Spacer—Shift Lever Yoke
501-4344	Link—Shift Rod
3335-4396	Washer
470-5300	Inlet Water Line
462-5503	Inlet Water Line Seal Ring
511-5504	Inlet Water Line Sleeve
461-5805	Boat Bracket Bolt
462-5816	Screw—Lower Motor Casing Cover Plate
461-5837	Screw—Spring Retainer
461-5841	Screw
493-5868	Tilt Arm Screw
4913-5881	Tilt Arm Screw
493-5888	Motor Pivot Bracket Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
462-6701	Nut—Tilt Arm
462-6701	Nut—Cyl. Exhaust Flange Stud
462-6702	Nut
462-6703	Nut—Boat Bracket Bolt
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher
462-7209	Lockwasher
462-7210	Lockwasher—Spring Retainer
461-7220	Lockwasher
486-7226	Lockwasher—Tilt Arm
3335-8213	Lower Unit Stud—Front
3335-8214	Lower Unit Stud—Rear
501-8600	Cotter Pin—Shift Rod

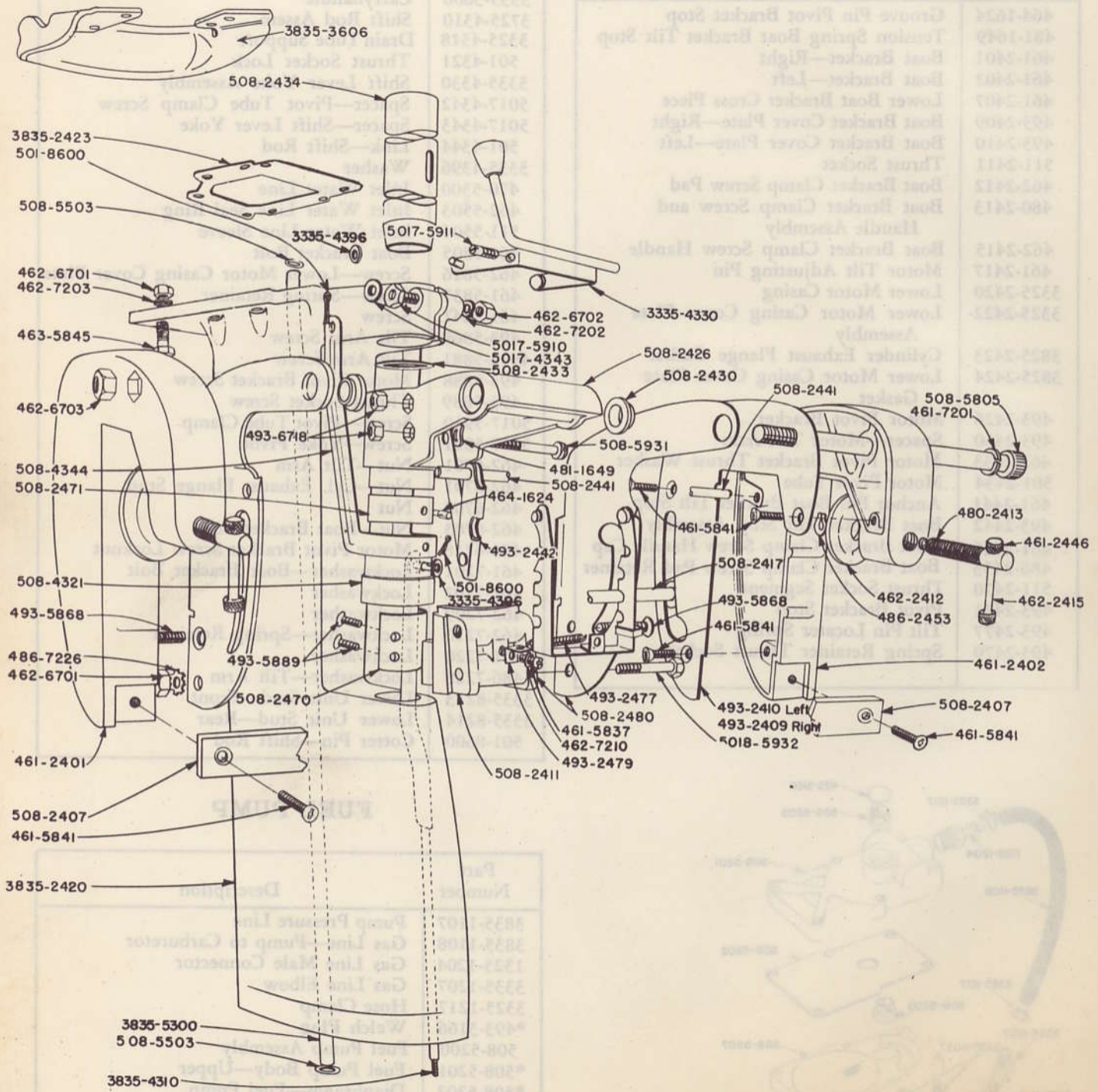


## FUEL PUMP

Part Number	Description
3835-1107	Pump Pressure Line
3835-1108	Gas Line—Pump to Carburetor
1325-1204	Gas Line Male Connector
3335-1207	Gas Line Elbow
3325-1217	Hose Clamp
*493-3166	Welch Plug
508-5200	Fuel Pump Assembly
*508-5201	Fuel Pump Body—Upper
*508-5202	Diaphragm—Fuel Pump
*509-5203	Check Valve
*508-5207	Fuel Pump Body—Lower
*508-6026	Screw—Fuel Pump Body
3335-6057	Screw
	*Included in 508-5200 Assembly



# POWERHEAD SUPPORT 3835





## POWERHEAD SUPPORT 3835

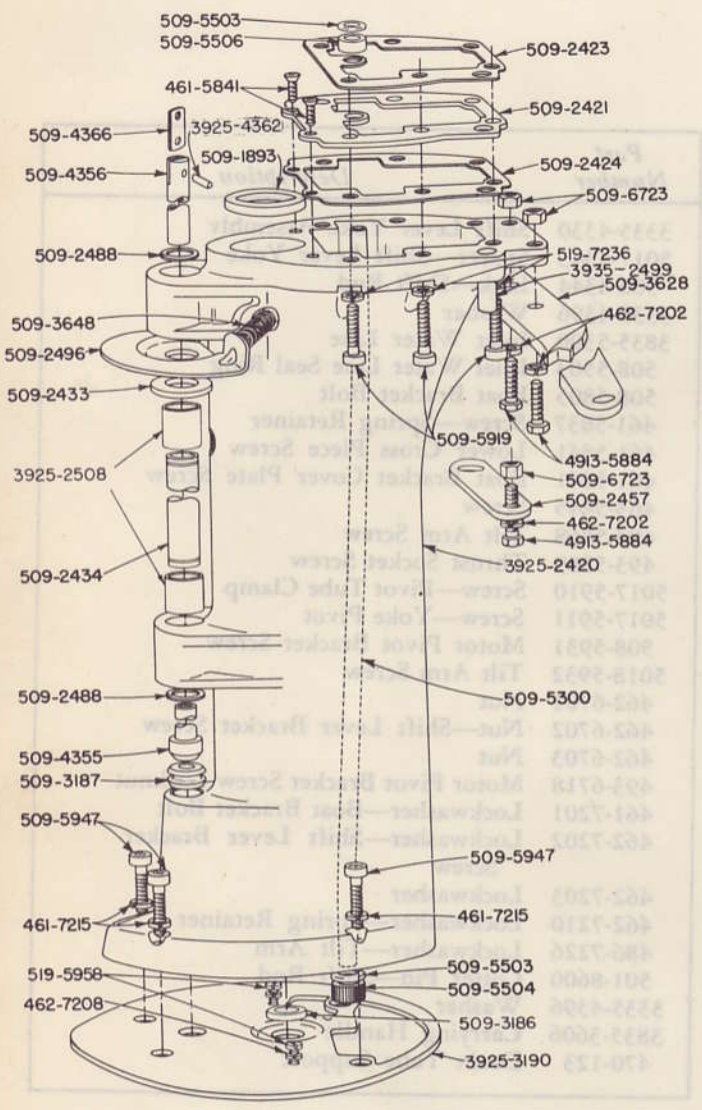
POWERHEAD SUPPORT 3835 (Boat Bracket - Page P38)

Part Number	Description
464-1624	Groove Pin Pivot Bracket Stop
481-1649	Tension Spring Boat Bracket Tilt Stop
461-2401	Boat Bracket—Right
461-2402	Boat Bracket—Left
508-2407	Lower Boat Bracket Cross Piece
493-2409	Boat Bracket Cover Plate—Right
493-2410	Boat Bracket Cover Plate—Left
508-2411	Thrust Socket
462-2412	Boat Bracket Clamp Screw Pad
480-2413	Boat Bracket Clamp Screw and Handle Assembly
462-2415	Boat Bracket Clamp Screw Handle
508-2417	Motor Tilt Adjusting Pin
3835-2420	Lower Motor Casing
3835-2423	Cylinder Exhaust Flange Gasket
508-2426	Motor Pivot Bracket
508-2430	Spacer—Motor Tilt Arm
508-2433	Motor Pivot Bracket Thrust Washer
508-2434	Motor Pivot Tube
508-2441	Anchor Pin Boat Bracket Tilt Stop
493-2442	Boat Bracket Tilt Stop Assembly
461-2446	Boat Bracket Clamp Screw Handle Cap
486-2453	Boat Bracket Clamp Screw Pad Retainer
508-2470	Thrust Socket Segment
508-2471	Pivot Bracket Stop
493-2477	Tilt Pin Locater Spring
493-2479	Spring Retainer Thrust Socket
508-2480	Tilt Arm Assembly
3835-4310	Shift Rod Assembly
508-4321	Thrust Socket Lock

Part Number	Description
3335-4330	Shift Lever Yoke Assembly
5017-4343	Spacer—Shift Lever Yoke
508-4344	Link—Shift Rod
3335-4396	Washer
3835-5300	Inlet Water Line
508-5503	Inlet Water Line Seal Ring
508-5805	Boat Bracket Bolt
461-5837	Screw—Spring Retainer
461-5841	Lower Cross Piece Screw
461-5841	Boat Bracket Cover Plate Screw
463-5845	Screw
493-5868	Tilt Arm Screw
493-5889	Thrust Socket Screw
5017-5910	Screw—Pivot Tube Clamp
5017-5911	Screw—Yoke Pivot
508-5931	Motor Pivot Bracket Screw
5018-5932	Tilt Arm Screw
462-6701	Nut
462-6702	Nut—Shift Lever Bracket Screw
462-6703	Nut
493-6718	Motor Pivot Bracket Screw Locknut
461-7201	Lockwasher—Boat Bracket Bolt
462-7202	Lockwasher—Shift Lever Bracket Screw
462-7203	Lockwasher
462-7210	Lockwasher—Spring Retainer
486-7226	Lockwasher—Tilt Arm
501-8600	Cotter Pin—Shift Rod
3335-4396	Washer
3835-3606	Carrying Handle
470-123	Drain Tube Support



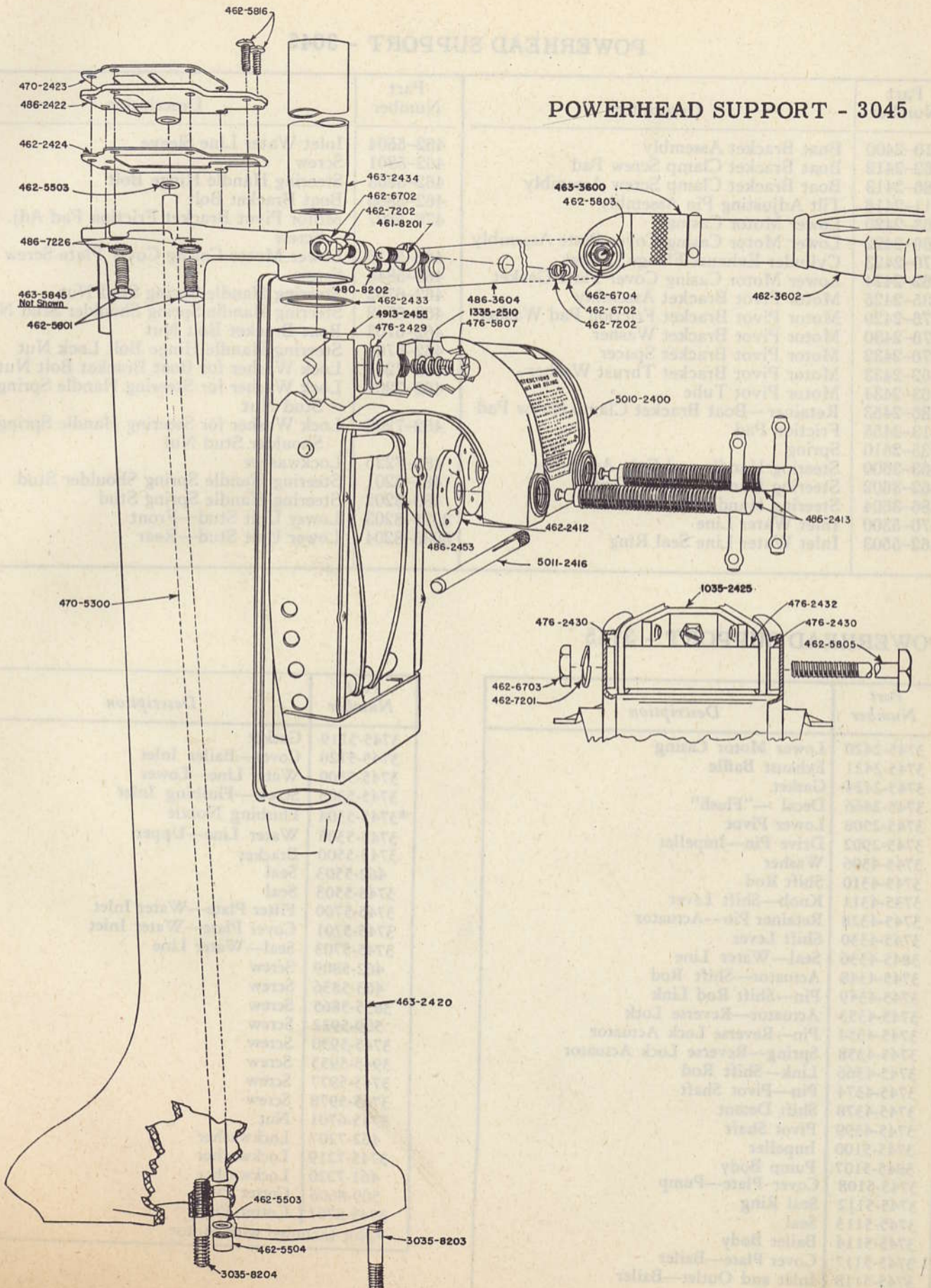
POWERHEAD SUPPORT 3935 (Boat Bracket - Page P38)



Part Number	Description
509-1893	Crankcase Seal Ring
3925-2420	Lower Motor Casing
509-2421	Lower Motor Casing Cover Plate
509-2423	Cylinder Exhaust Flange Gasket
509-2424	Lower Motor Casing Cover Plate Gasket
509-2433	Washer—Pivot Tube
509-2434	Pivot Tube
509-2457	Safety Chain Lug
509-2488	Retainer Pivot Tube
509-2496	Steering Friction Plate
3935-2499	Water Outlet Extension
3925-2508	Pivot Pin Bearing
509-3186	Seal Splash Plate
509-3187	Grommet
3925-3190	Splash Plate
*509-3628	Tiller Bar (Includes two ea. 4913-5884, 509-6723, 462-7202)
509-3648	Spring—Motor Cushioning
509-4355	Reverse Lock Actuator Assembly
509-4356	Shift Connector
3925-4362	Groove Pin—Shift Connector
509-4366	Shift Actuator Link
509-5300	Water Line
509-5503	"O" Ring—Water Line
509-5504	Water Line Sleeve
509-5506	Sleeve—Water Line Inlet
461-5841	Screw—Lower Motor Casing Cover Plate
4913-5884	Screw—Safety Chain Lug
509-5919	Screw—Powerhead to Lower Motor Casing
509-5947	Screw—Lower Motor Casing to Lower Unit
519-5958	Screw—Splash Plate
509-6723	Nut—Safety Chain Lug
462-7202	Lockwasher—Safety Chain Lug
462-7208	Lockwasher—Splash Plate
461-7215	Lockwasher
519-7236	Lockwasher—Powerhead to Lower Motor Casing
<i>*Not Included with Motor</i>	



# POWERHEAD SUPPORT - 3045





**POWERHEAD SUPPORT - 3045**

Part Number	Description	Part Number	Description
5010-2400	Boat Bracket Assembly	462-5504	Inlet Water Line Sleeve
462-2412	Boat Bracket Clamp Screw Pad	462-5801	Screw
486-2413	Boat Bracket Clamp Screw Assembly	462-5803	Steering Handle Hinge Bolt
5011-2416	Tilt Adjusting Pin Assembly	462-5805	Boat Bracket Bolt
463-2420	Lower Motor Casing	476-5807	Motor Pivot Bracket Friction Pad Adj. Screw
486-2422	Lower Motor Casing Cover Plate Assembly	462-5816	Lower Motor Casing Cover Plate Screw
470-2423	Cylinder Exhaust Flange Gasket	463-5845	Screw
462-2424	Lower Motor Casing Cover Plate Gasket	462-6702	Steering Handle Spring Stud Nut
1035-2425	Motor Pivot Bracket Assembly	462-6702	Steering Handle Spring Shoulder Stud Nut
476-2429	Motor Pivot Bracket Friction Pad Washer	462-6703	Boat Bracket Bolt Nut
476-2430	Motor Pivot Bracket Washer	462-6704	Steering Handle Hinge Bolt Lock Nut
476-2432	Motor Pivot Bracket Spacer	462-7201	Lock Washer for Boat Bracket Bolt Nut
462-2433	Motor Pivot Bracket Thrust Washer	462-7202	Lock Washer for Steering Handle Spring Stud Nut
463-2434	Motor Pivot Tube	462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
486-2453	Retainer—Boat Bracket Clamp Screw Pad	486-7226	Lockwasher
4913-2455	Friction Pad	461-8201	Steering Handle Spring Shoulder Stud
1335-2510	Spring	480-8202	Steering Handle Spring Stud
463-3600	Steering Handle and Grip Assembly	3035-8203	Lower Unit Stud—Front
462-3602	Steering Handle Rubber Grip	3035-8204	Lower Unit Stud—Rear
486-3604	Steering Handle Spring		
470-5300	Inlet Water Line		
462-5503	Inlet Water Line Seal Ring		

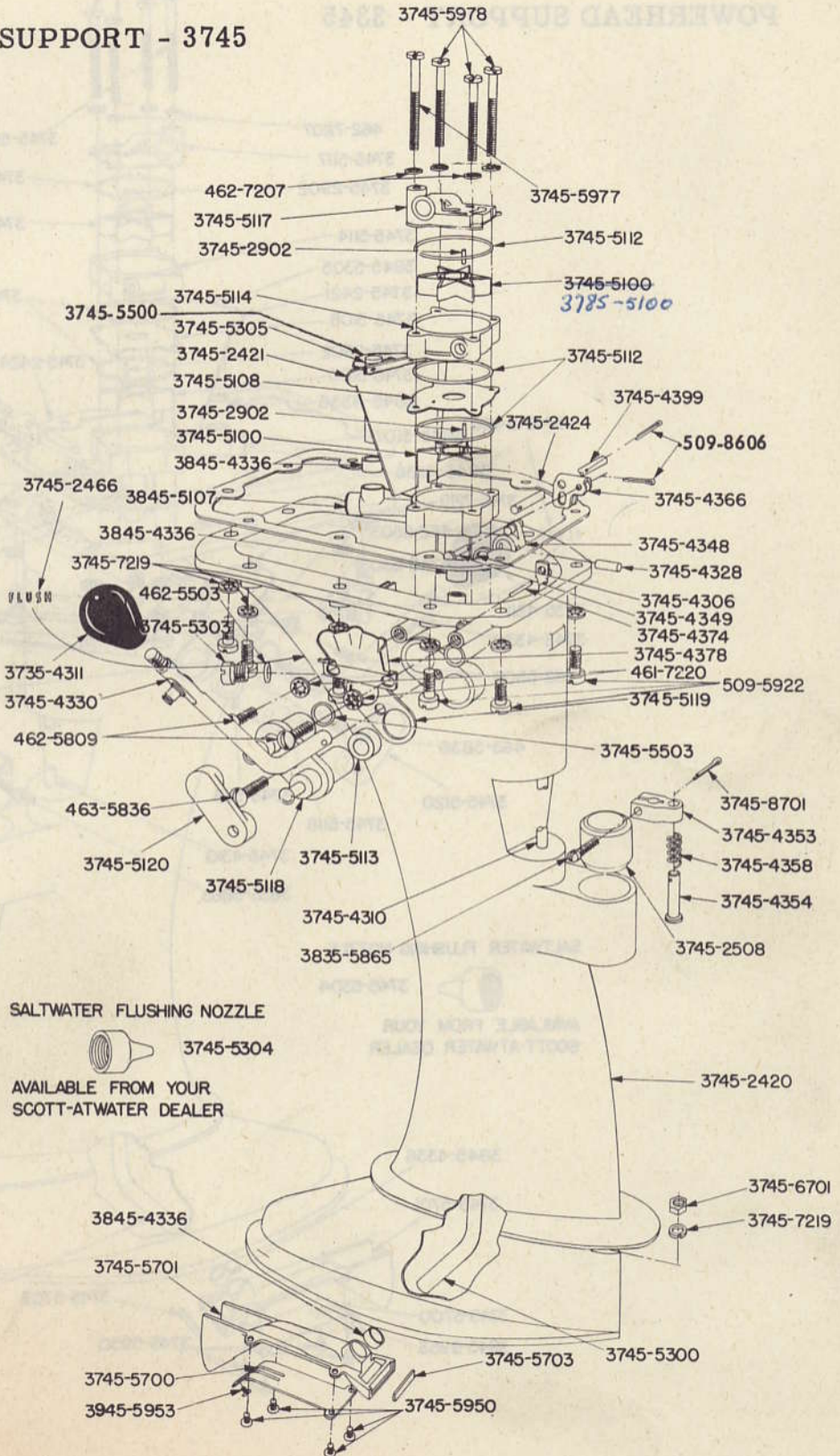
**POWERHEAD SUPPORT - 3745**

Part Number	Description
3745-2420	Lower Motor Casing
3745-2421	Exhaust Baffle
3745-2424	Gasket
3745-2466	Decal —“Flush”
3745-2508	Lower Pivot
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3745-4310	Shift Rod
3735-4311	Knob—Shift Lever
3745-4328	Retainer Pin—Actuator
3745-4330	Shift Lever
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3745-4349	Pin—Shift Rod Link
3745-4353	Actuator—Reverse Lock
3745-4354	Pin—Reverse Lock Actuator
3745-4358	Spring—Reverse Lock Actuator
3745-4366	Link—Shift Rod
3745-4374	Pin—Pivot Shaft
3745-4378	Shift Detent
3745-4399	Pivot Shaft
3745-5100	Impeller
3845-5107	Pump Body
3745-5108	Cover Plate—Pump
3745-5112	Seal Ring
3745-5113	Seal
3745-5114	Bailer Body
3745-5117	Cover Plate—Bailer
3745-5118	Inlet and Outlet—Bailer

Part Number	Description
3745-5119	Gasket
3745-5120	Cover—Bailer Inlet
3745-5300	Water Line—Lower
3745-5303	Screw—Flushing Inlet
*3745-5304	Flushing Nozzle
3745-5305	Water Line—Upper
3745-5500	Bracket
462-5503	Seal
3745-5503	Seal
3745-5700	Filter Plate—Water Inlet
3745-5701	Cover Plate—Water Inlet
3745-5703	Seal—Water Line
462-5809	Screw
463-5836	Screw
3835-5865	Screw
509-5922	Screw
3745-5950	Screw
3945-5953	Screw
3745-5977	Screw
3745-5978	Screw
3745-6701	Nut
462-7207	Lockwasher
3745-7219	Lockwasher
461-7220	Lockwasher
509-8606	Cotter Pin
3745-8701	Cotter Pin
*Not Included with Motor	

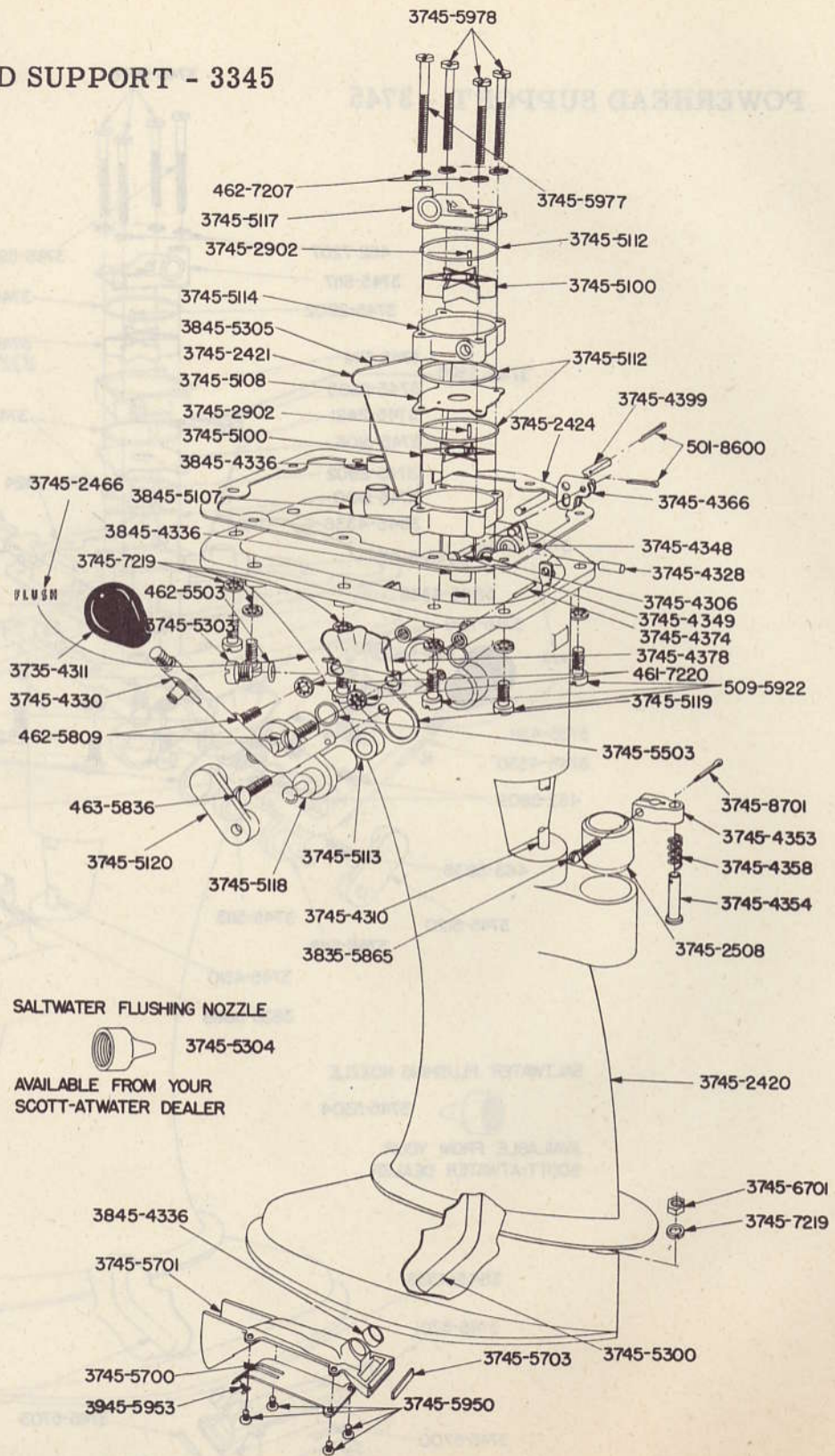


# POWERHEAD SUPPORT - 3745





# POWERHEAD SUPPORT - 3345





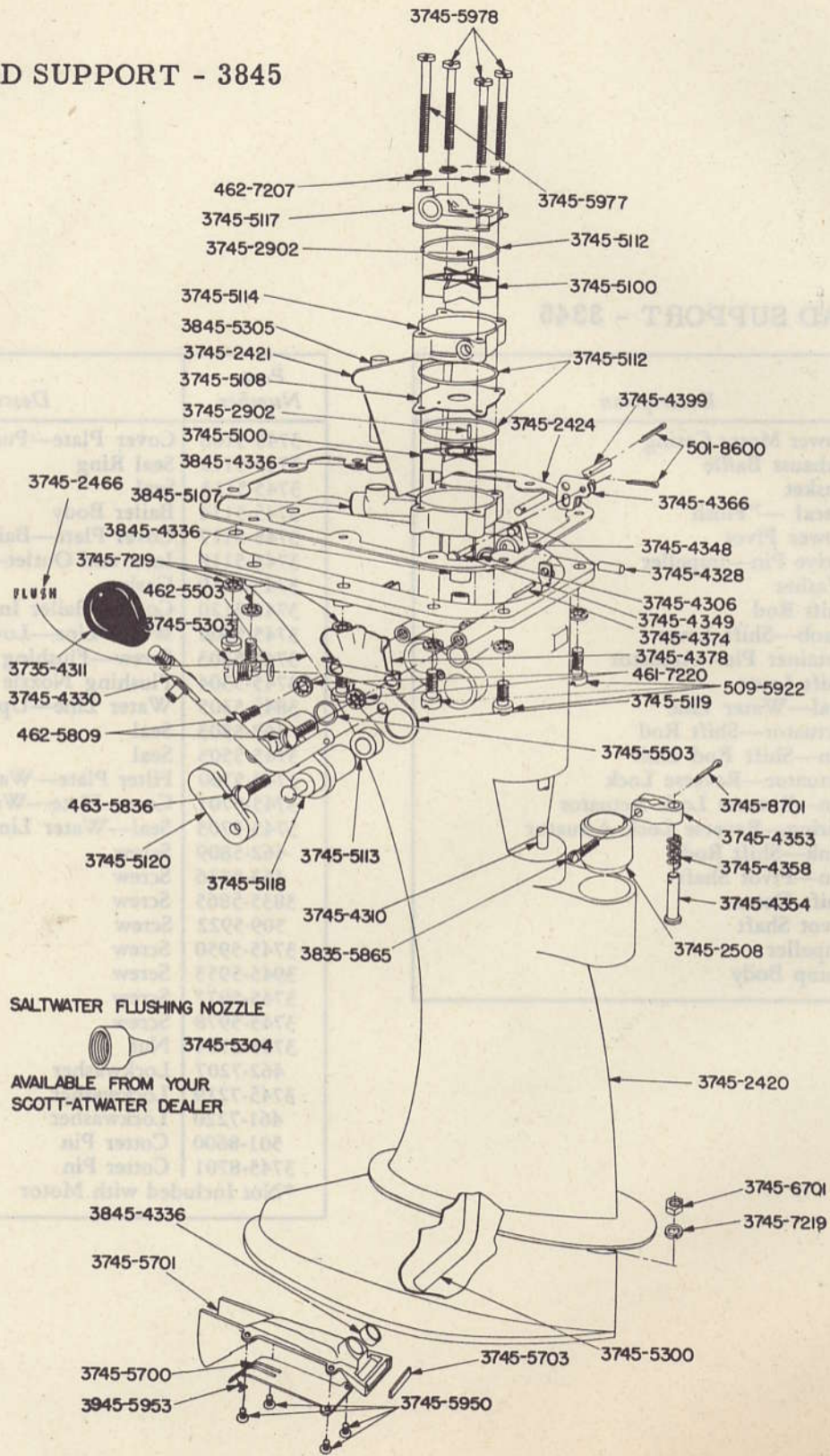
POWERHEAD SUPPORT - 3345

Part Number	Description
3745-2420	Lower Motor Casing
3745-2421	Exhaust Baffle
3745-2424	Gasket
3745-2466	Decal —"Flush"
3745-2508	Lower Pivot
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3745-4310	Shift Rod
3735-4311	Knob—Shift Lever
3745-4328	Retainer Pin—Actuator
3745-4330	Shift Lever
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3745-4349	Pin—Shift Rod Link
3745-4353	Actuator—Reverse Lock
3745-4354	Pin—Reverse Lock Actuator
3745-4358	Spring—Reverse Lock Actuator
3745-4366	Link—Shift Rod
3745-4374	Pin—Pivot Shaft
3745-4378	Shift Detent
3745-4399	Pivot Shaft
3745-5100	Impeller
3845-5107	Pump Body

Part Number	Description
3745-5108	Cover Plate—Pump
3745-5112	Seal Ring
3745-5113	Seal
3745-5114	Bailer Body
3745-5117	Cover Plate—Bailer
3745-5118	Inlet and Outlet—Bailer
3745-5119	Gasket
3745-5120	Cover—Bailer Inlet
3745-5300	Water Line—Lower
3745-5303	Screw—Flushing Inlet
*3745-5304	Flushing Nozzle
3845-5305	Water Line—Upper
462-5503	Seal
3745-5503	Seal
3745-5700	Filter Plate—Water Inlet
3745-5701	Cover Plate—Water Inlet
3745-5703	Seal—Water Line
462-5809	Screw
463-5836	Screw
3835-5865	Screw
509-5922	Screw
3745-5950	Screw
3945-5953	Screw
3745-5977	Screw
3745-5978	Screw
3745-6701	Nut
462-7207	Lockwasher
3745-7219	Lockwasher
461-7220	Lockwasher
501-8600	Cotter Pin
3745-8701	Cotter Pin
*Not Included with Motor	



# POWERHEAD SUPPORT - 3845





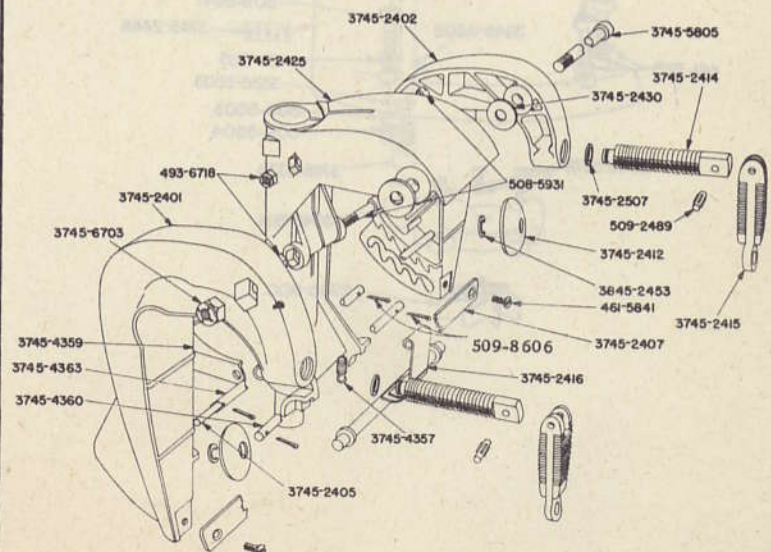
## POWERHEAD SUPPORT - 3845

Part Number	Description
3745-2420	Lower Motor Casing
3745-2421	Exhaust Baffle
3745-2424	Gasket
3745-2466	Decal —“Flush”
3745-2508	Lower Pivot
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3745-4310	Shift Rod
3735-4311	Knob—Shift Lever
3745-4328	Retainer Pin—Actuator
3745-4330	Shift Lever
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3745-4349	Pin—Shift Rod Link
3745-4353	Actuator—Reverse Lock
3745-4354	Pin—Reverse Lock Actuator
3745-4358	Spring—Reverse Lock Actuator
3745-4366	Link—Shift Rod
3745-4374	Pin—Pivot Shaft
3745-4378	Shift Detent
3745-4399	Pivot Shaft
3745-5100	Impeller
3845-5107	Pump Body
3745-5108	Cover Plate—Pump
3745-5112	Seal Ring
3745-5113	Seal
3745-5114	Bailer Body

Part Number	Description
3745-5117	Cover Plate—Bailer
3745-5118	Inlet and Outlet—Bailer
3745-5119	Gasket
3745-5120	Cover—Bailer Inlet
3745-5300	Water Line—Lower
3745-5303	Screw—Flushing Inlet
*3745-5304	Flushing Nozzle
3845-5305	Water Line—Upper
462-5503	Seal
3745-5503	Seal
3745-5700	Filter Plate—Water Inlet
3745-5701	Cover Plate—Water Inlet
3745-5703	Seal—Water Line
462-5809	Screw
463-5836	Screw
3835-5865	Screw
509-5922	Screw
3745-5950	Screw
3945-5953	Screw
3745-5977	Screw
3745-5978	Screw
3745-6701	Nut
462-7207	Lockwasher
3745-7219	Lockwasher
461-7220	Lockwasher
501-8600	Cotter Pin
3745-8701	Cotter Pin
*Not Included with Motor	

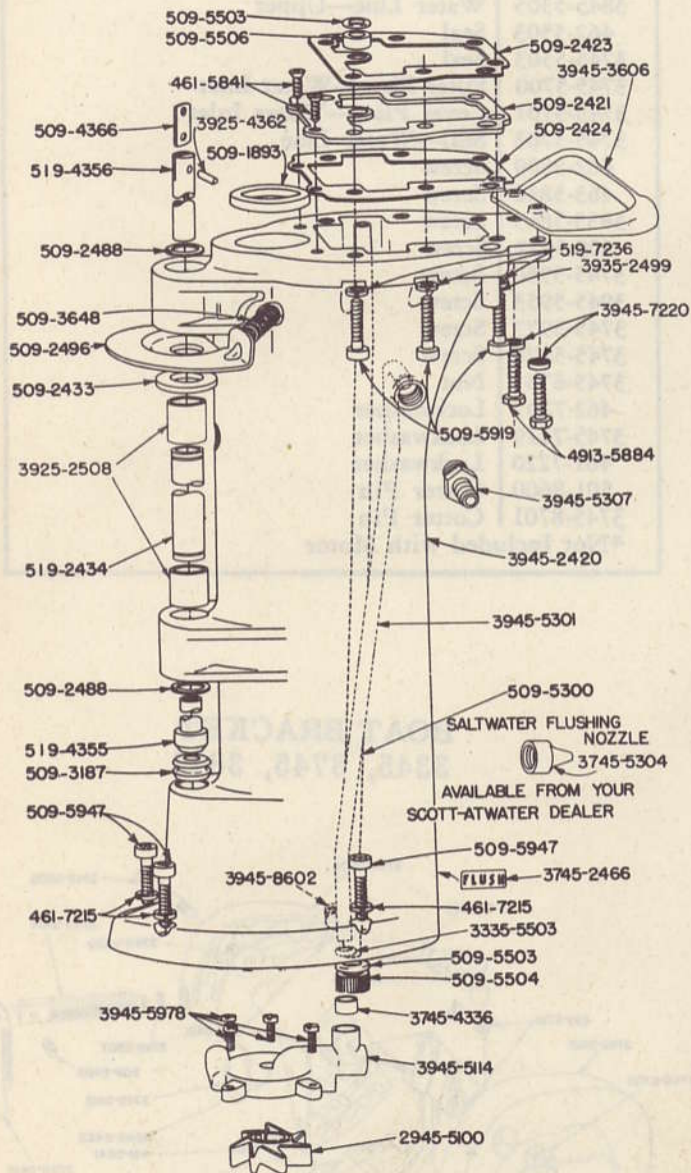
Part Number	Description
3745-2401	Boat Bracket—R.H.
3745-2402	Boat Bracket—L.H.
3745-2405	Pivot Shaft—Tilt Pin Support
3745-2407	Crosspiece—Boat Bracket
3745-2412	Pad—Clamp Screw
3745-2414	Clamp Screw
3745-2415	Handle—Clamp Screw
3745-2416	Pin—Tilt Adjustment
3745-2425	Pivot Bracket
3745-2430	Friction Washer—Boat Bracket Bolt
3845-2453	Retainer—Clamp Pad
509-2489	Pin—Clamp Screw and Handle
3745-2507	Washer—Clamp Screw Handle
3745-4357	Spring—Reverse Lock
3745-4359	Yoke—Reverse Lock
3745-4360	Pin—Reverse Lock
3745-4363	Pivot Shaft—Reverse Lock
3745-5805	Bolt—Boat Bracket
461-5841	Screw—Crosspiece
508-5931	Friction Screw—Pivot Bracket
3745-6703	Locknut—Boat Bracket Bolt
493-6718	Locknut—Friction Screw
509-8606	Cotter Pin

## BOAT BRACKET 3345, 3745, 3845





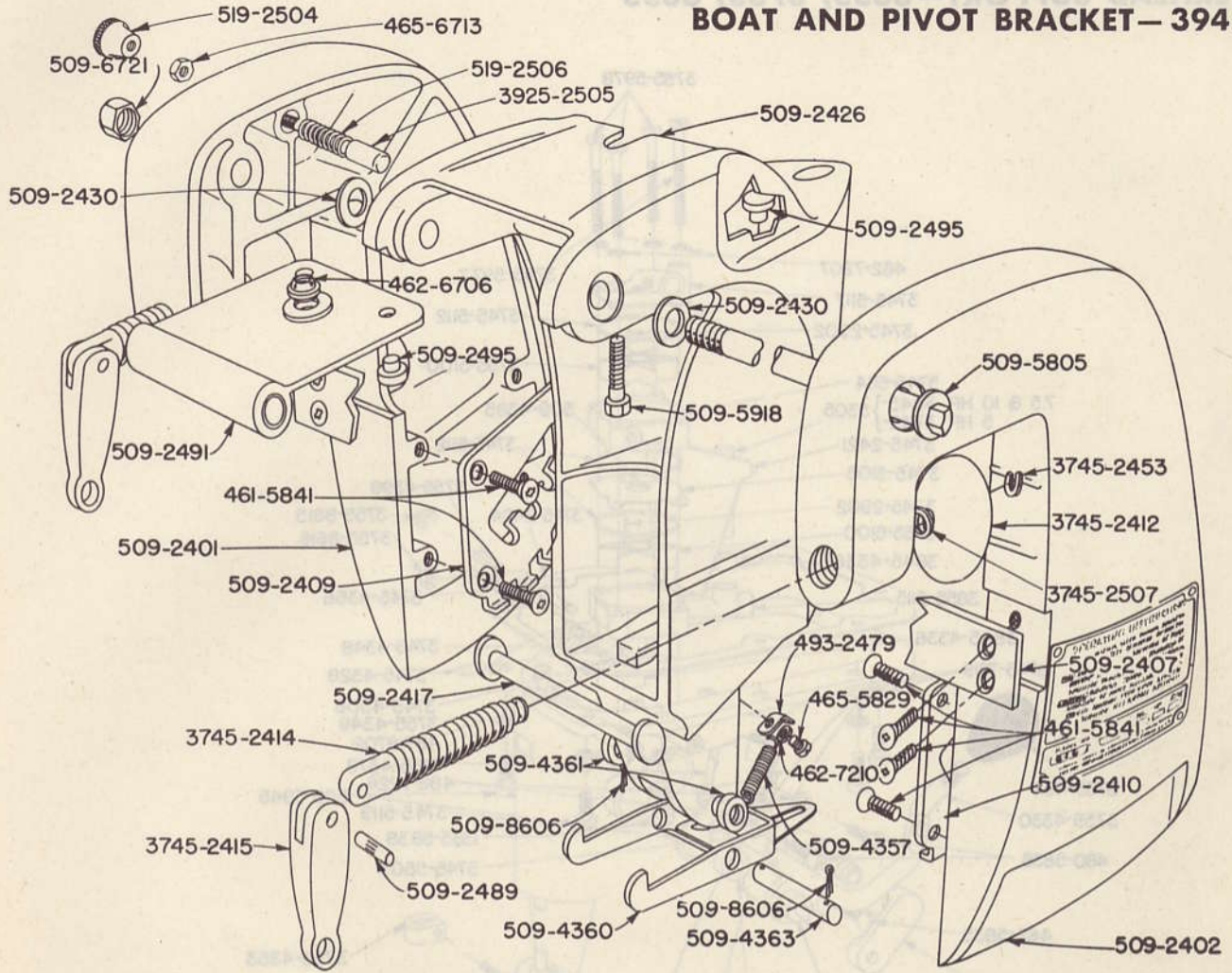
## LOWER MOTOR CASING - 3945



Part Number	Description
509-1893	Crankcase Seal Ring
3945-2420	Lower Motor Casing
509-2421	Lower Motor Casing Cover Plate
509-2423	Cylinder Exhaust Flange Gasket
509-2424	Lower Motor Casing Cover Plate Gasket
509-2433	Washer—Pivot Tube
519-2434	Pivot Tube
3745-2466	Decal—Flush
509-2488	Retainer Pivot Tube
509-2496	Steering Friction Plate
3935-2499	Water Outlet Extension
3925-2508	Pivot Pin Bearing
509-3187	Grommet
3945-3606	Carrying Handle
509-3648	Spring—Motor Cushioning
3745-4336	Seal—Bailer Inlet Line
519-4355	Reverse Lock Actuator Assembly
519-4356	Shift Connector
3925-4362	Groove Pin—Shift Connector
509-4366	Shift Actuator Link
2945-5100	Impeller—Bailer
3945-5114	Cavity—Bailer
509-5300	Water Line
3945-5301	Inlet Line—Bailer
*3745-5304	Flushing Nozzle
3945-5307	Fitting—Bailer
509-5503	"O" Ring—Water Line
3335-5503	Seal
509-5504	Water Line Sleeve
509-5506	Sleeve—Water Line Inlet
461-5841	Screw—Lower Motor Casing Cover Plate
4913-5884	Screw—Carrying Handle
509-5919	Screw—Powerhead to Lower Motor Casing
509-5947	Screw—Lower Motor Casing to Lower Unit
3945-5978	Screw
461-7215	Lockwasher
3945-7220	Lockwasher
519-7236	Lockwasher—Powerhead to Lower Motor Casing
3945-8602	Flushing Plug
	*Not Included with Motor



## BOAT AND PIVOT BRACKET—3945

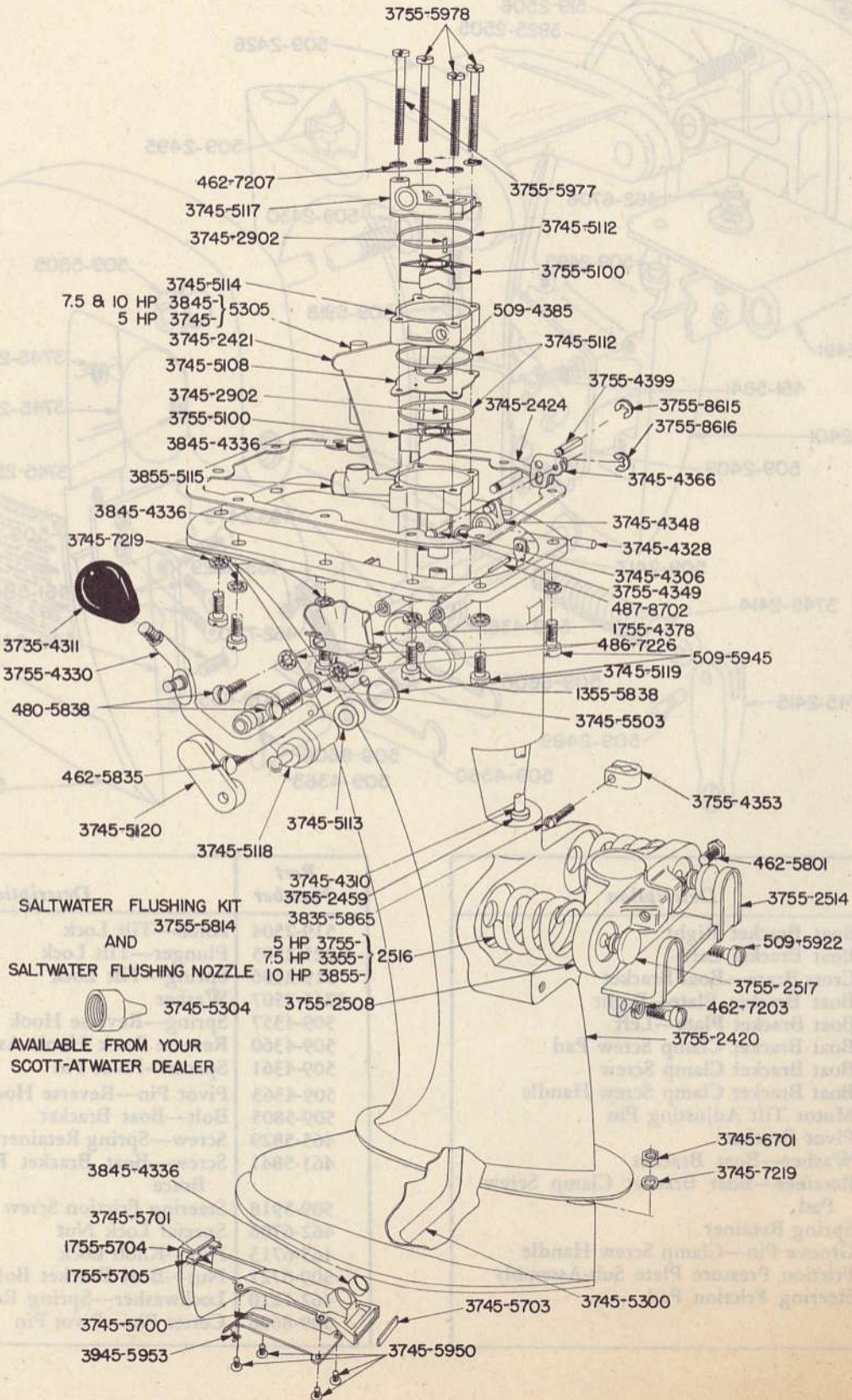


Part Number	Description
509-2401	Boat Bracket Right
509-2402	Boat Bracket Left
509-2407	Cross Brace—Boat Bracket
509-2409	Boat Bracket Plate—Right
509-2410	Boat Bracket Plate—Left
3745-2412	Boat Bracket Clamp Screw Pad
3745-2414	Boat Bracket Clamp Screw
3745-2415	Boat Bracket Clamp Screw Handle
509-2417	Motor Tilt Adjusting Pin
509-2426	Pivot Bracket
509-2430	Washer—Boat Bracket
3745-2453	Retainer—Boat Bracket Clamp Screw Pad
493-2479	Spring Retainer
509-2489	Groove Pin—Clamp Screw Handle
509-2491	Friction Pressure Plate Sub-Assembly
509-2495	Steering Friction Pad

Part Number	Description
519-2504	Knob—Tilt Lock
3925-2505	Plunger—Tilt Lock
519-2506	Spring—Tilt Lock
3745-2507	Washer
509-4357	Spring—Reverse Hook
509-4360	Reverse Lock Hook Assembly
509-4361	Spacer—Pivot Pin
509-4363	Pivot Pin—Reverse Hook
509-5805	Bolt—Boat Bracket
465-5829	Screw—Spring Retainer
461-5841	Screw—Boat Bracket Plate & Cross Brace
509-5918	Steering Friction Screw
462-6706	Special Lock Nut
465-6713	Nut—Knob Lock
509-6721	Nut—Boat Bracket Bolt
462-7210	Lockwasher—Spring Retainer Screw
509-8606	Cotter Pin—Pivot Pin



# POWERHEAD SUPPORT—3355, 3755, 3855





## POWERHEAD SUPPORT— 3355, 3755, 3855

Part Number	Description
3755-2420	Lower Motor Casing
3745-2421	Exhaust Baffle
3745-2424	Gasket
3755-2459	Grommet—Shift Rod
3755-2508	Lower Spring Mount
3755-2514	Bracket
3355-2516	Spring—7½ HP Only
3755-2516	Spring—5 HP Only
3855-2516	Spring—10 HP Only
3755-2517	Bumper
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3745-4310	Shift Rod
3735-4311	Knob—Shift Lever
3745-4328	Retainer Pin—Actuator
1755-4330	Shift Lever Assembly
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3755-4349	Pin—Shift Rod Link
3755-4353	Actuator—Reverse Lock
509-4358	Seal
3745-4366	Link—Shift Rod
1755-4378	Shift Detent
3755-4399	Pivot Shaft
3755-5100	Impeller
3745-5108	Cover Plate—Pump
3745-5112	Seal Ring
3745-5113	Seal
3745-5114	Bailer Body
3855-5115	Pump Body Assembly
3745-5117	Cover Plate—Bailer
3745-5118	Inlet and Outlet—Bailer

## POWERHEAD SUPPORT— 3655

Part Number	Description
3655-1150	Hose Support
3335-1715	Washer—Shift Handle
3645-2424	Gasket
3655-2508	Vibration Spring Mount
3655-2509	Lower Motor Casing Assembly
3655-2514	Bracket—Spring Mount
3655-2516	Spring
3655-2517	Bumper
3655-2518	Snubber
*3655-2521	Bearing
3645-3606	Carry Handle—Rear
3645-4306	Washer
3645-4310	Coupling—Shift Rod
3655-4330	Shift Handle
3655-4336	Seal
3655-4348	Actuator and Rod Assy.
3655-4353	Actuator—Rev. Lock
3655-4354	Guide—Rev. Lock Act.
3645-4375	Shaft—Shift Lever
3645-4384	Pin—Detent
3645-5100	Impeller
3645-5107	Pump Body—Water
3645-5108	Cover Plate
3645-5112	Seal
3645-5113	Seal
3655-5113	Grommet—Bailer
3645-5114	Bailer Body
3645-5117	Cover—Bailer Body
3745-5120	Cover—Bailer Inlet
3645-5123	Seal
3645-5124	Screw—Inlet Cover
3645-5300	Line—Water Inlet

Part Number	Description
3745-5119	Gasket—Bailer Fitting
3745-5120	Cover—Bailer Inlet
3745-5300	Water Line—Lower
*3745-5304	Flushing Nozzle
3745-5305	Water Line—5 HP Only
3845-5305	Water Line—Upper—7½ & 10 HP Only
3745-5503	Seal
3745-5700	Filter Plate—Water Inlet
3745-5701	Cover Plate—Water Inlet
3745-5703	Seal—Water Line
1755-5704	Valve—Bacus
1755-5705	Retainer
*3755-5814	Flushing Kit
462-5835	Screw
480-5838	Screw—Detent
1355-5838	Screw
3835-5865	Screw
509-5922	Screw
509-5945	Screw
3745-5950	Screw
3945-5953	Screw
3755-5977	Screw
3755-5978	Screw
3745-6701	Nut
462-7203	Lockwasher
462-7207	Lockwasher
3835-7212	Lockwasher
3745-7219	Lockwasher
486-7226	Lockwasher
487-8702	Pin Pivot Shaft
3755-8615	"E" Ring
3755-8616	"E" Ring
	*Not included with motor

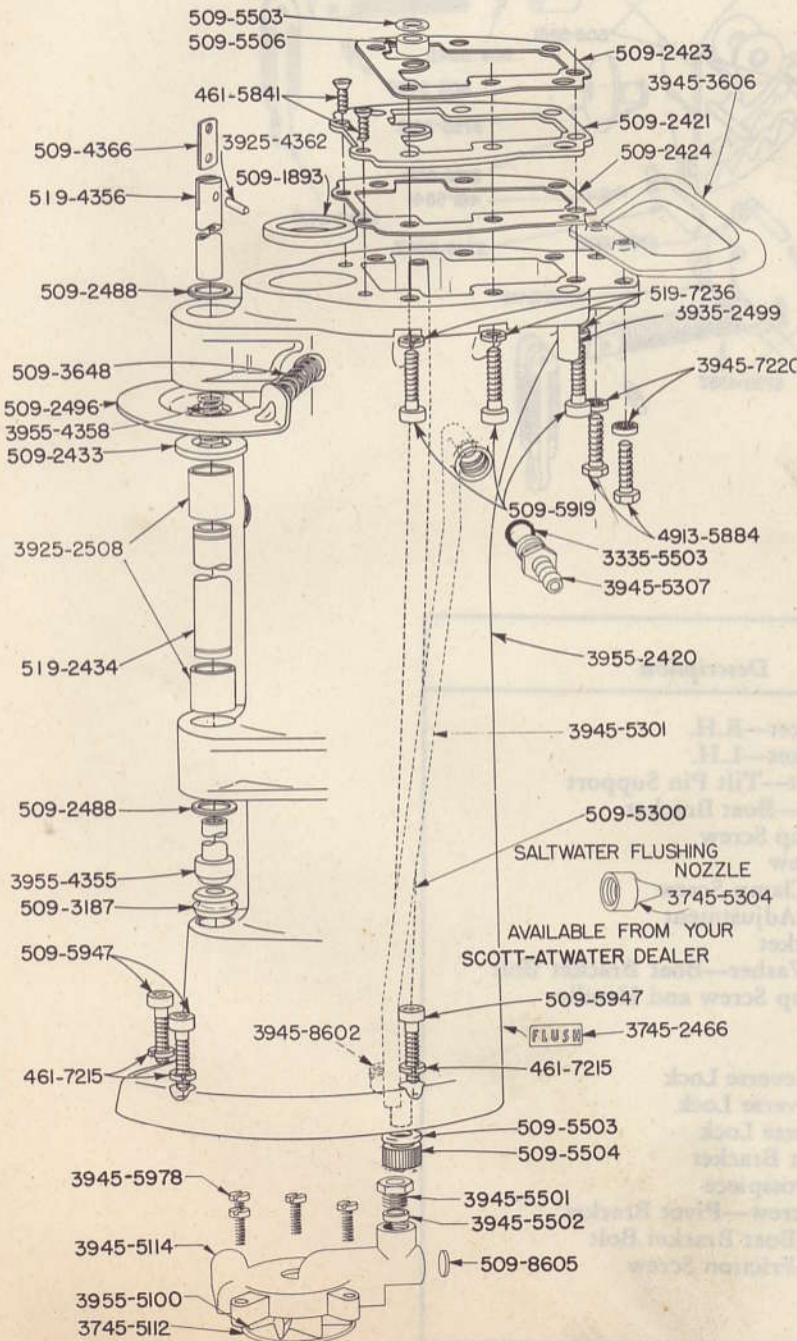
Part Number	Description
3645-5301	Tube—Bailer Inlet
3655-5302	Tube—Bailer Outlet
3645-5305	Tube—Pump Outlet
3645-5306	Seal—Water and Bailer Line
3645-5501	Nut—Packing Gland
3645-5502	Packing Gland and Seal
3645-5700	Screen
3655-5701	Cup—Water Inlet
3655-5703	Gasket—Inlet Cup
3645-5704	Exhaust Valve
3955-5705	Retainer
483-5811	Screw
3645-5816	Screw
3655-5817	Screw
3645-5854	Screw
3655-5859	Screw
3655-5886	Screw
509-5921	Screw
3655-5921	Screw
509-5922	Screw
3645-5923	Screw
3655-5923	Screw
3945-5953	Screw
3955-6002	Screw
462-6705	Nut
3645-6720	Nut
3655-6723	Nut
462-7201	Lockwasher
3645-7201	Lockwasher
462-7202	Lockwasher
3335-7202	Lockwasher
462-7203	Lockwasher
3335-7209	Lockwasher
462-7211	Washer
463-7212	Lockwasher
3745-7219	Lockwasher
	*Part of 3655-2509 Assembly







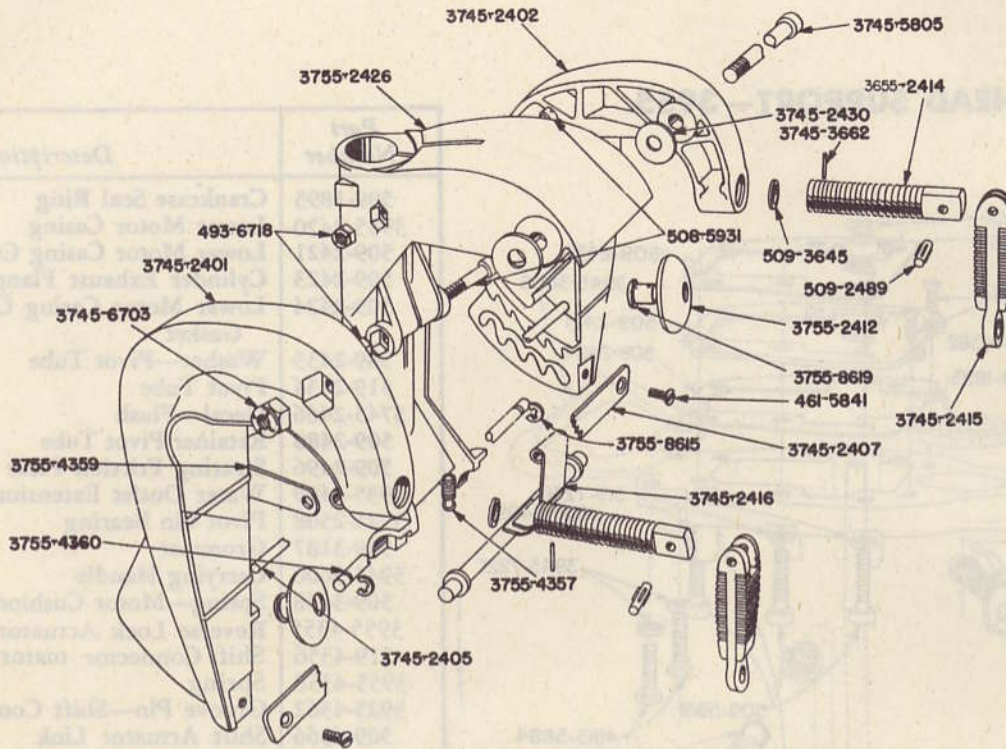
## POWERHEAD SUPPORT—3955



Part Number	Description
509-1893	Crankcase Seal Ring
3955-2420	Lower Motor Casing
509-2421	Lower Motor Casing Cover Plate
509-2423	Cylinder Exhaust Flange Gasket
509-2424	Lower Motor Casing Cover Plate Gasket
509-2433	Washer—Pivot Tube
519-2434	Pivot Tube
3745-2466	Decal—Flush
509-2488	Retainer Pivot Tube
509-2496	Steering Friction Plate
3935-2499	Water Outlet Extension
3925-2508	Pivot Pin Bearing
509-3187	Grommet
3945-3606	Carrying Handle
509-3648	Spring—Motor Cushioning
3955-4355	Reverse Lock Actuator Assembly
519-4356	Shift Connector tuator Assembly
3955-4358	Spring
3925-4362	Groove Pin—Shift Connector
509-4366	Shift Actuator Link
3955-5100	Impeller—Bailer
3745-5112	Seal
3945-5114	Cavity—Bailer
509-5300	Water Line
3945-5301	Inlet Line—Bailer
*3745-5304	Flushing Nozzle
3945-5307	Fitting—Bailer
3945-5501	Nut—Packing
3945-5502	Seal
509-5503	"O" Ring—Water Line
3335-5503	Seal
509-5504	Water Line Sleeve
509-5506	Sleeve—Water Line Inlet
461-5841	Screw—Lower Motor Casing Cover Plate
4913-5884	Screw—Carrying Handle
509-5919	Screw—Powerhead to Lower Motor Casing
509-5947	Screw—Lower Motor Casing to Lower Unit
3945-5978	Screw
461-7215	Lockwasher
3945-7220	Lockwasher
519-7236	Lockwasher—Powerhead to Lower Motor Casing
3945-8602	Flushing Plug
509-8605	Welch Plug
	*Not Included with Motor



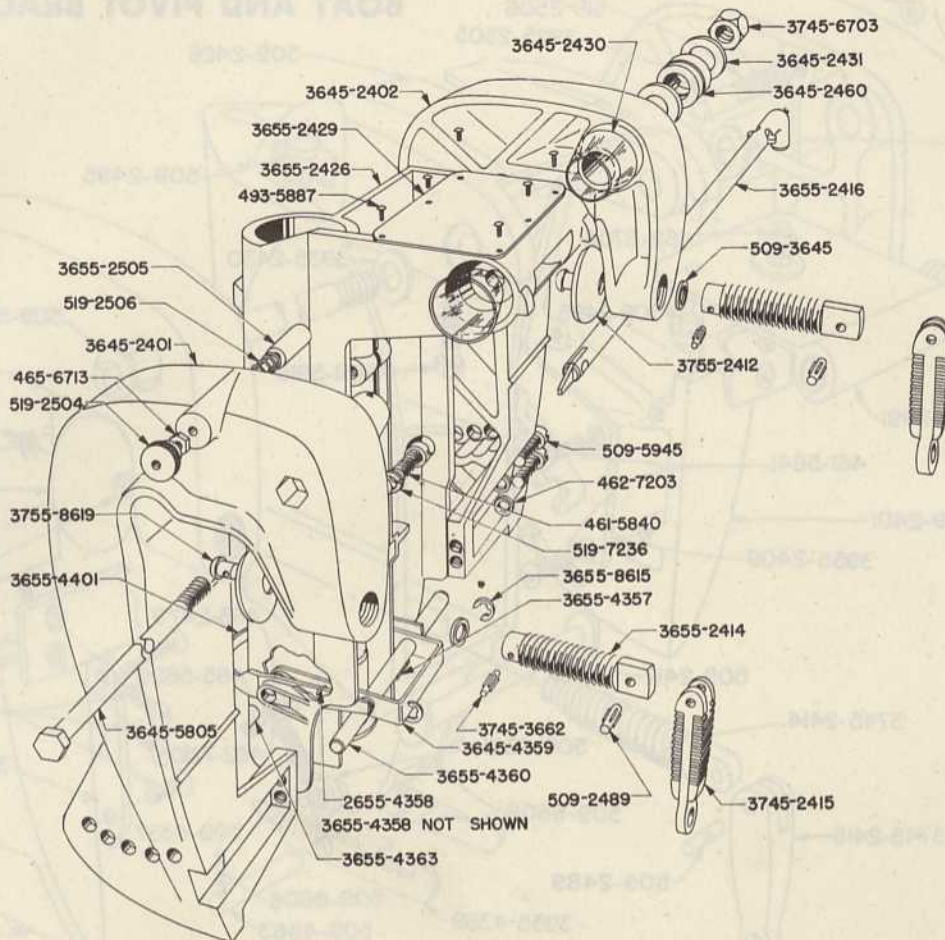
## BOAT BRACKET— 3355, 3755, 3855



Part Number	Description
3745-2401	Boat Bracket—R.H.
3745-2402	Boat Bracket—L.H.
3745-2405	Pivot Shaft—Tilt Pin Support
3745-2407	Crosspiece—Boat Bracket
3755-2412	Pad—Clamp Screw
3655-2414	Clamp Screw
3745-2415	Handle—Clamp Screw
3745-2416	Pin—Tilt Adjustment
3755-2426	Pivot Bracket
3745-2430	Friction Washer—Boat Bracket Bolt
509-2489	Pin—Clamp Screw and Handle
509-3645	Washer
3745-3662	Pin
3755-4357	Spring—Reverse Lock
3755-4359	Yoke—Reverse Lock
3755-4360	Pin—Reverse Lock
3745-5805	Bolt—Boat Bracket
461-5841	Screw—Crosspiece
508-5931	Friction Screw—Pivot Bracket
3745-6703	Locknut—Boat Bracket Bolt
493-6718	Locknut—Friction Screw
3755-8615	"E" Ring
3755-8619	Clevis Pin



## BOAT BRACKET— 3655

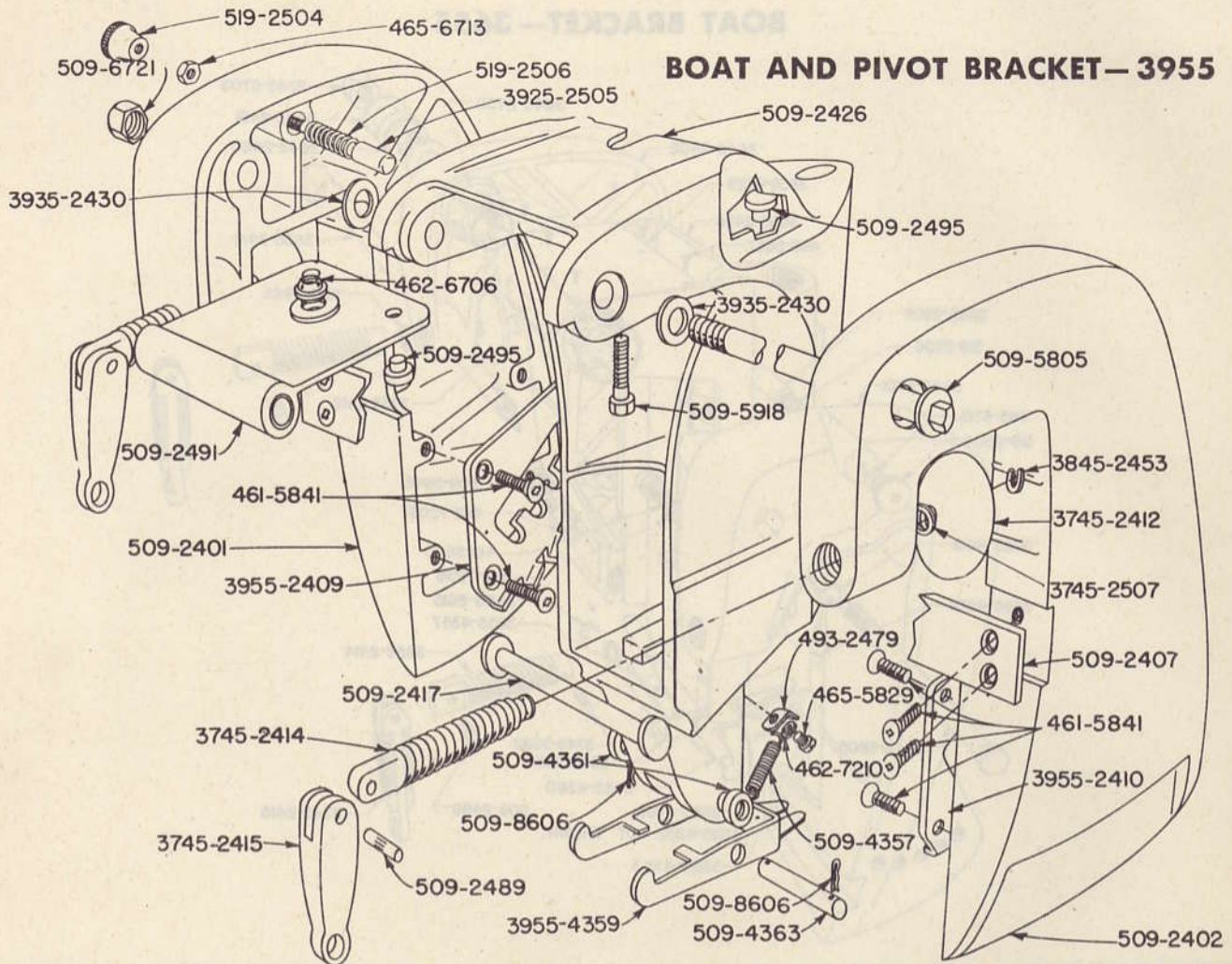


Part Number	Description
3645-2401	Bracket—R.
3645-2402	Bracket—L.
3755-2412	Pad—Clamp Screw
3655-2414	Clamp Screw
3745-2415	Clamp Screw—Handle
3655-2416	Tilt Pin Assy.
3655-2426	Pivot Bracket
3655-2429	Cover Plate
3645-2430	Cone—Tilt Friction
3645-2431	Washer—Brkt. Bolt
3645-2460	Spring—Tilt Pressure
509-2489	Groove Pin
519-2504	Knob—Tilt Stop
3655-2505	Plunger
519-2506	Spring
509-3645	Washer—Clamp Sc. Pad
3745-3662	Pin—Retaining

Part Number	Description
3655-4357	Spring—Lock Return
2655-4358	Spring—Actuator R.
3655-4358	Spring—Actuator L.
3645-4359	Bracket—Rev. Lock
3655-4360	Pin—Rev. Lock
3655-4363	Pin—Rev. Lock Pivot
3655-4401	Lever—Rev. Lock
3645-5805	Bolt
461-5840	Screw—Friction
493-5887	Drive Screw
509-5945	Drive Screw
3745-6703	Nut
465-6713	Nut—Tilt Stop
462-7203	Lockwasher
519-7236	Lockwasher
3655-8615	Retaining Ring
3755-8619	Clevis Pin



## BOAT AND PIVOT BRACKET— 3955

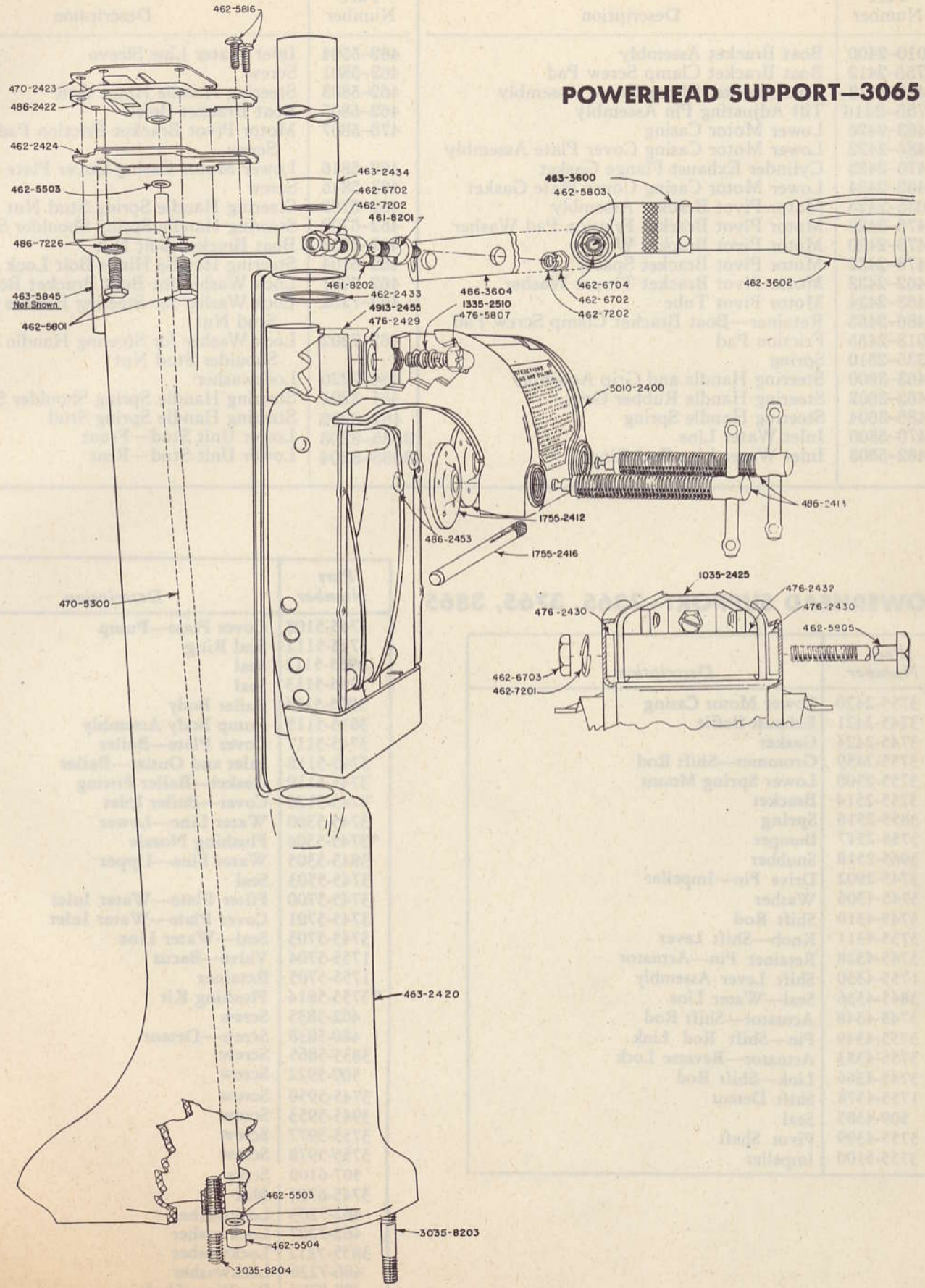


Part Number	Description
509-2401	Boat Bracket Right
509-2402	Boat Bracket Left
509-2407	Cross Brace—Boat Bracket
3955-2409	Boat Bracket Plate—Right
3955-2410	Boat Bracket Plate—Left
3745-2412	Boat Bracket Clamp Screw Pad
3745-2414	Boat Bracket Clamp Screw
3745-2415	Boat Bracket Clamp Screw Handle
509-2417	Motor Tilt Adjusting Pin
509-2426	Pivot Bracket
3935-2430	Washer—Boat Bracket
3845-2453	Retainer—Boat Bracket Clamp Screw Pad
493-2479	Spring Retainer
509-2489	Groove Pin—Clamp Screw Handle
509-2491	Friction Pressure Plate Sub-Assembly
509-2495	Steering Friction Pad

Part Number	Description
519-2504	Knob—Tilt Lock
3925-2505	Plunger—Tilt Lock
519-2506	Spring—Tilt Lock
3745-2507	Washer
509-4357	Spring—Reverse Hook
3955-4359	Reverse Lock Hook
509-4361	Spacer—Pivot Pin
509-4363	Pivot Pin—Reverse Hook
509-5805	Bolt—Boat Bracket
465-5829	Screw—Spring Retainer
461-5841	Screw—Boat Bracket Plate & Cross Brace
509-3918	Steering Friction Screw
462-6706	Special Lock Nut
465-6713	Nut—Knob Lock
509-6721	Nut—Boat Bracket Bolt
462-7210	Lockwasher—Spring Retainer Screw
509-8606	Cotter Pin—Pivot Pin



# POWERHEAD SUPPORT-3065





## POWERHEAD SUPPORT—3065

Part Number	Description	Part Number	Description
5010-2400	Boat Bracket Assembly	462-5504	Inlet Water Line Sleeve
1755-2412	Boat Bracket Clamp Screw Pad	462-5801	Screw
486-2413	Boat Bracket Clamp Screw Assembly	462-5803	Steering Handle Hinge Bolt
1755-2416	Tilt Adjusting Pin Assembly	462-5805	Boat Bracket Bolt
463-2420	Lower Motor Casing	476-5807	Motor Pivot Bracket Friction Pad Adj. Screw
486-2422	Lower Motor Casing Cover Plate Assembly	462-5816	Lower Motor Casing Cover Plate Screw
470-2423	Cylinder Exhaust Flange Gasket	463-5845	Screw
462-2424	Lower Motor Casing Cover Plate Gasket	462-6702	Steering Handle Spring Stud Nut
1035-2425	Motor Pivot Bracket Assembly	462-6702	Steering Handle Spring Shoulder Stud Nut
476-2429	Motor Pivot Bracket Friction Pad Washer	462-6703	Boat Bracket Bolt Nut
476-2430	Motor Pivot Bracket Washer	462-6704	Steering Handle Hinge Bolt Lock Nut
476-2432	Motor Pivot Bracket Spacer	462-7201	Lock Washer for Boat Bracket Bolt Nut
462-2433	Motor Pivot Bracket Thrust Washer	462-7202	Lock Washer for Steering Handle Spring Stud Nut
463-2434	Motor Pivot Tube	462-7202	Lock Washer for Steering Handle Spring Shoulder Stud Nut
486-2453	Retainer—Boat Bracket Clamp Screw Pad	486-7226	Lockwasher
4913-2455	Friction Pad	461-8201	Steering Handle Spring Shoulder Stud
1335-2510	Spring	461-8202	Steering Handle Spring Stud
463-3600	Steering Handle and Grip Assembly	3035-8203	Lower Unit Stud—Front
462-3602	Steering Handle Rubber Grip	3035-8204	Lower Unit Stud—Rear
486-3604	Steering Handle Spring		
470-5300	Inlet Water Line		
462-5503	Inlet Water Line Seal Ring		

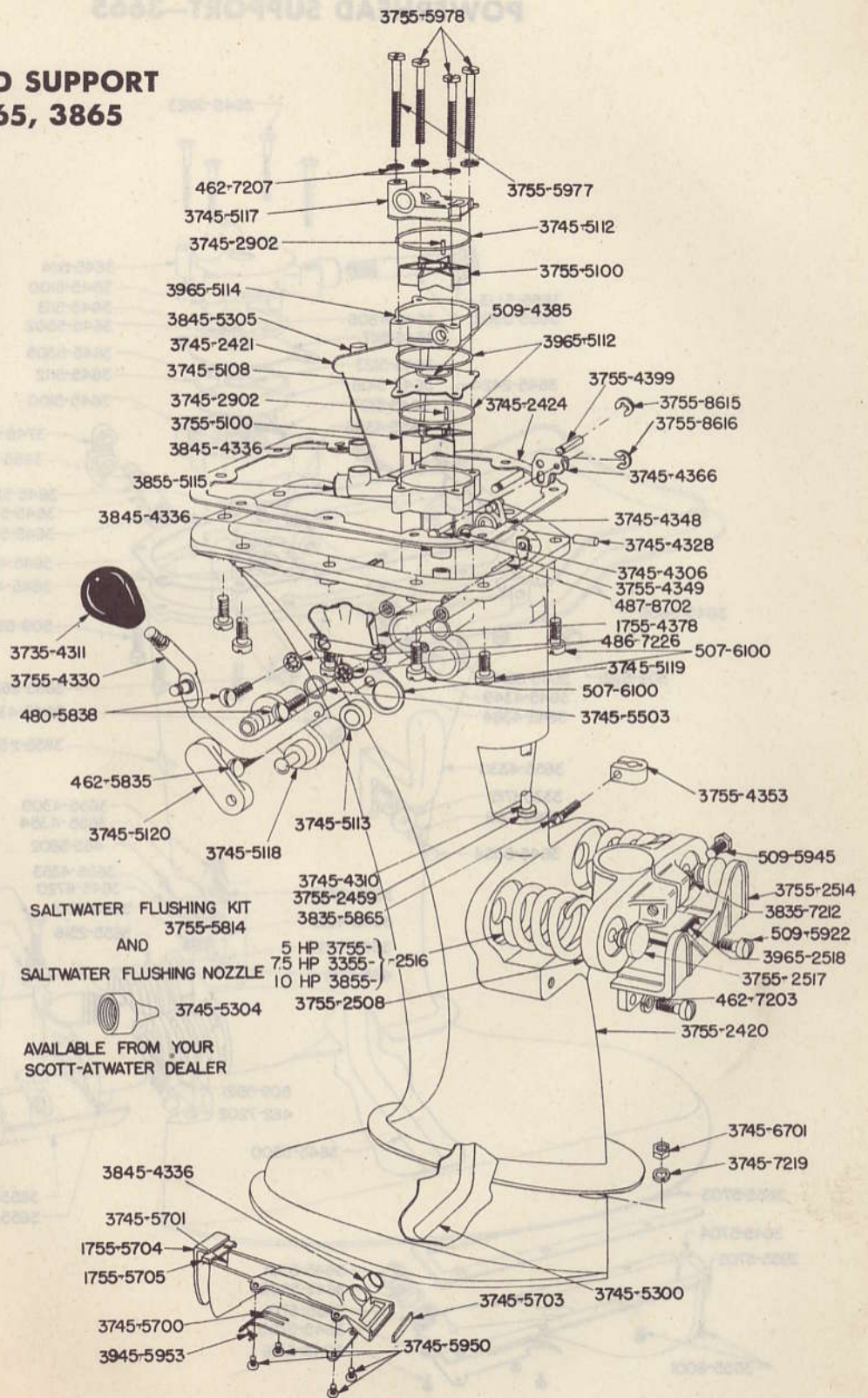
## POWERHEAD SUPPORT—3365, 3765, 3865

Part Number	Description
3755-2420	Lower Motor Casing
3745-2421	Exhaust Baffle
3745-2424	Gasket
3755-2459	Grommet—Shift Rod
3755-2508	Lower Spring Mount
3755-2514	Bracket
3855-2516	Spring
3755-2517	Bumper
3965-2518	Snubber
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3745-4310	Shift Rod
3735-4311	Knob—Shift Lever
3745-4328	Retainer Pin—Actuator
1755-4330	Shift Lever Assembly
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3755-4349	Pin—Shift Rod Link
3755-4353	Actuator—Reverse Lock
3745-4366	Link—Shift Rod
1755-4378	Shift Detent
509-4385	Seal
3755-4399	Pivot Shaft
3755-5100	Impeller

Part Number	Description
3745-5108	Cover Plate—Pump
3745-5112	Seal Ring
3965-5112	Seal
3745-5113	Seal
3965-5114	Bailer Body
3855-5115	Pump Body Assembly
3745-5117	Cover Plate—Bailer
3745-5118	Inlet and Outlet—Bailer
3745-5119	Gasket—Bailer Fitting
3745-5120	Cover—Bailer Inlet
3745-5300	Water Line—Lower
*3745-5304	Flushing Nozzle
3845-5305	Water Line—Upper
3745-5503	Seal
3745-5700	Filter Plate—Water Inlet
3745-5701	Cover Plate—Water Inlet
3745-5703	Seal—Water Line
1755-5704	Valve—Bacus
1755-5705	Retainer
*3755-5814	Flushing Kit
462-5835	Screw
480-5838	Screw—Detent
3835-5865	Screw
509-5922	Screw
3745-5950	Screw
3945-5953	Screw
3755-5977	Screw
3755-5978	Screw
507-6100	Screw
3745-6701	Nut
462-7203	Lockwasher
462-7207	Lockwasher
3835-7212	Lockwasher
486-7226	Lockwasher
487-8702	Pin Pivot Shaft
3755-8615	"E" Ring
3755-8616	"E" Ring
	*Not included with motor

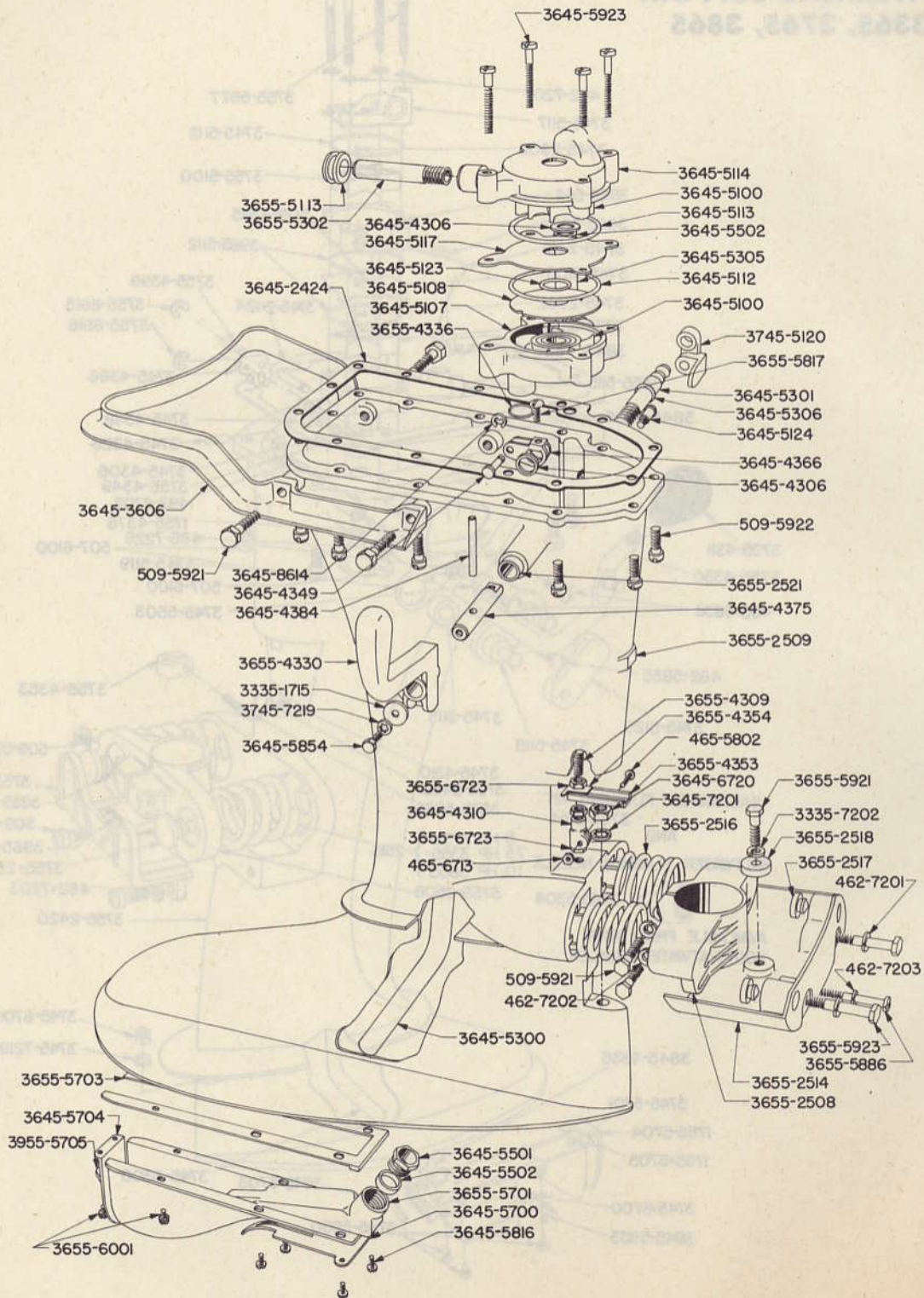


# POWERHEAD SUPPORT 3365, 3765, 3865





# POWERHEAD SUPPORT-3665





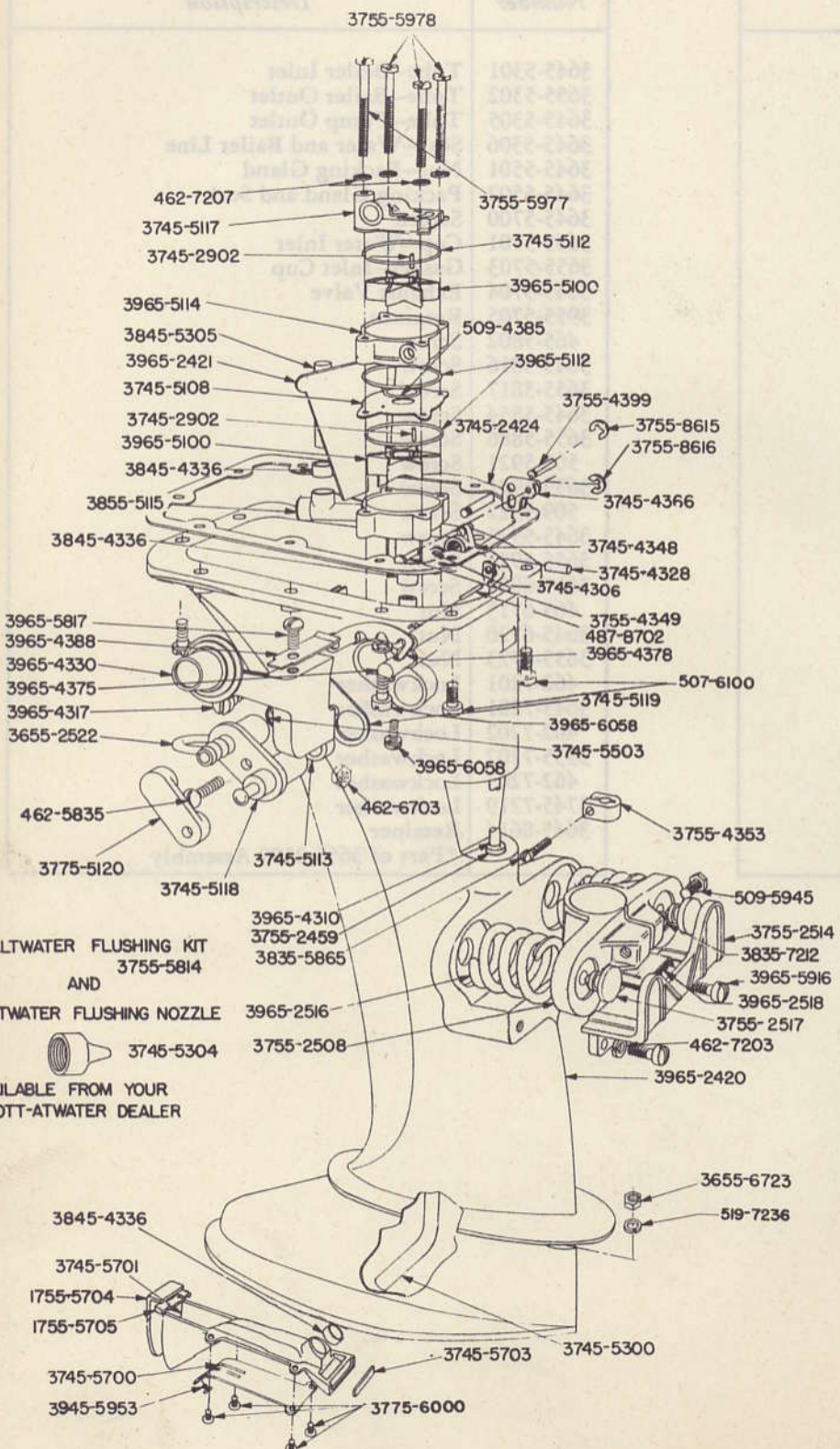
# POWERHEAD SUPPORT—3665

Part Number	Description
3335-1715	Washer—Shift Handle
3645-2424	Gasket
3655-2508	Vibration Spring Mount
3655-2509	Lower Motor Casing Assembly
3655-2514	Bracket—Spring Mount
3655-2516	Spring
3655-2517	Bumper
3655-2518	Snubber
*3655-2521	Bearing
3645-3606	Carry Handle—Rear
3645-4306	Washer
3655-4309	Shift Rod—Upper
3645-4310	Coupling—Shift Rod
3655-4330	Shift Handle
3655-4336	Seal
3645-4349	Pin—Shift Rod
3655-4353	Actuator—Rev. Lock
3655-4354	Guide—Rev. Lock Act.
3645-4366	Actuator—Shift Rod
3645-4375	Shaft—Shift Lever
3645-4384	Pin—Detent
3645-5100	Impeller
3645-5107	Pump Body—Water
3645-5108	Cover Plate
3645-5112	Seal
3645-5113	Seal
3655-5113	Grommet—Bailer
3645-5114	Bailer Body
3645-5117	Cover—Bailer Body
3745-5120	Cover—Bailer Inlet
3645-5123	Seal
3645-5124	Screw—Inlet Cover
3645-5300	Line—Water Inlet

Part Number	Description
3645-5301	Tube—Bailer Inlet
3655-5302	Tube—Bailer Outlet
3645-5305	Tube—Pump Outlet
3645-5306	Seal—Water and Bailer Line
3645-5501	Nut—Packing Gland
3645-5502	Packing Gland and Seal
3645-5700	Screen
3655-5701	Cup—Water Inlet
3655-5703	Gasket—Inlet Cup
3645-5704	Exhaust Valve
3955-5705	Retainer
465-5802	Screw
3645-5816	Screw
3655-5817	Screw
3645-5854	Screw
3655-5886	Screw
509-5921	Screw
3655-5921	Screw
509-5922	Screw
3645-5923	Screw
3655-5923	Screw
3655-6001	Screw
465-6713	Nut
3645-6720	Nut
3655-6723	Nut
462-7201	Lockwasher
3645-7201	Lockwasher
462-7202	Lockwasher
3335-7202	Lockwasher
462-7203	Lockwasher
3745-7219	Lockwasher
3645-8614	Retainer
*Part of 3655-2509 Assembly	



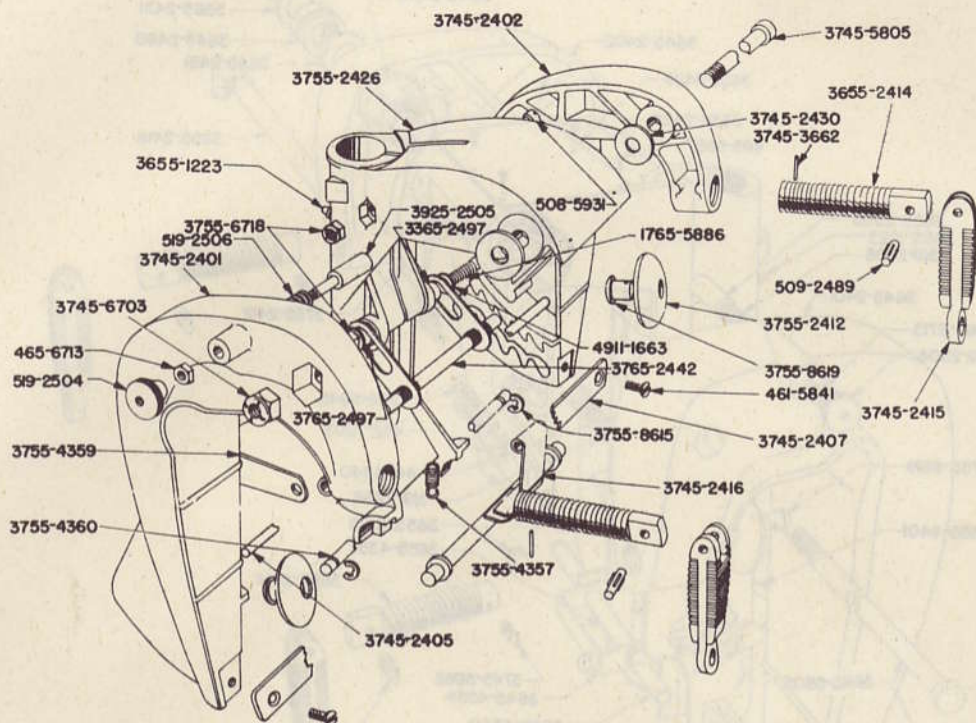
# POWERHEAD SUPPORT—3965



Part Number	Description
3965-2420	Lower Motor Casing
3965-2421	Exhaust Baffle
3745-2424	Gasket
3755-2459	Grommet—Shift Rod
3755-2508	Lower Spring Mount
3755-2514	Bracket
3965-2516	Spring
3755-2517	Bumper
3965-2518	Snubber
3655-2522	Ring—Ski
3745-2902	Drive Pin—Impeller
3745-4306	Washer
3965-4310	Shift Rod
3965-4317	Screw—Detent
3745-4328	Retainer Pin—Actuator
3965-4330	Shift Lever
3845-4336	Seal—Water Line
3745-4348	Actuator—Shift Rod
3755-4349	Pin—Shift Rod Link
3755-4353	Actuator—Reverse Lock
3745-4366	Link—Shift Rod
3965-4375	Shaft
3965-4378	Shift Detent
509-4385	Seal—Pump Cover Plate
3965-4388	Spring—Detent
3755-4399	Pivot Shaft
3965-5100	Impeller
3745-5108	Cover Plate — Pump
3745-5112	Seal Ring
3965-5112	Seal — Pump
3745-5113	Seal
3965-5114	Bailer Body
3855-5115	Pump Body Assy.
3745-5117	Cover Plate — Bailer
3745-5118	Inlet and Outlet — Bailer
3745-5119	Gasket
3775-5120	Cover — Bailer Inlet
3745-5300	Water Line — Lower
3845-5305	Water Line — Upper
3745-5503	Seal
3745-5700	Filter Plate — Water Inlet
3745-5701	Cover Plate — Water Inlet
3745-5703	Seal—Water Inlet Cup
1755-5704	Valve
1755-5705	Retainer
3965-5817	Screw
462-5835	Screw
3835-5865	Screw
3965-5916	Screw
509-5945	Screw
3945-5953	Screw
3755-5977	Screw
3755-5978	Screw
3775-6000	Screw
3965-6058	Screw
507-6100	Screw
462-6703	Nut
3655-6723	Nut
462-7207	Lockwasher
3835-7212	Lockwasher
519-7236	Lockwasher
3755-8615	Ring
3755-8616	Cotter Pin
487-8702	Pin Pivot Shaft



## BOAT BRACKET 3365, 3765, 3865, AND 3965

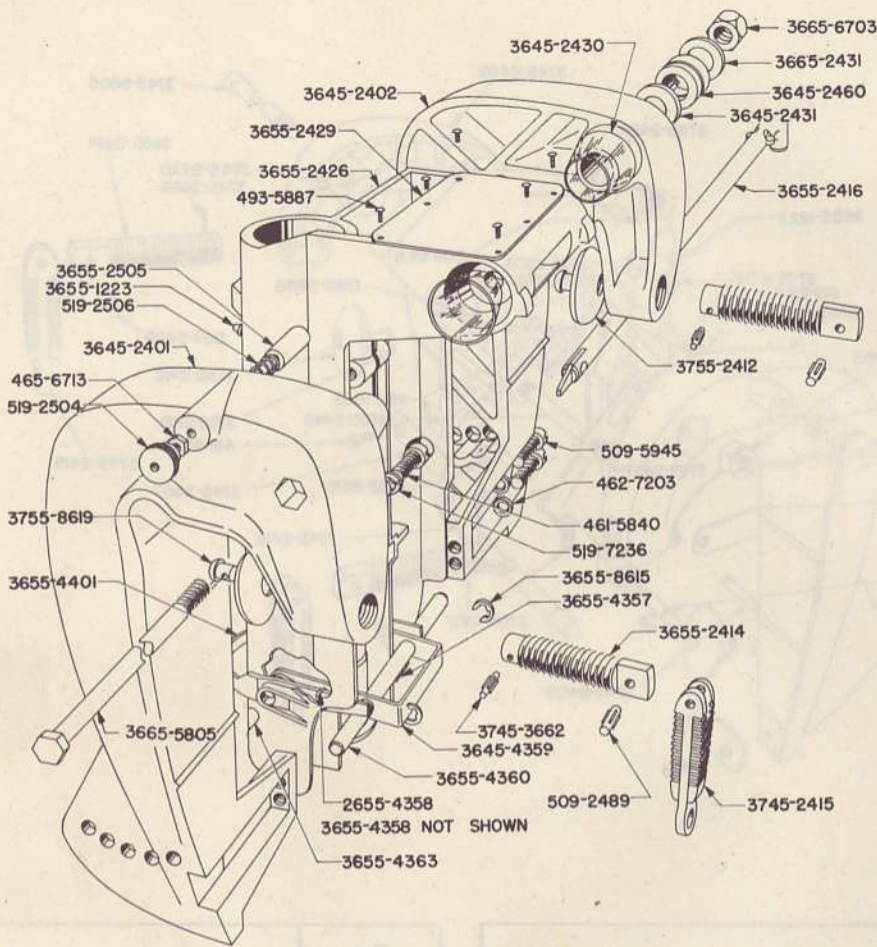


Part Number	Description
3655-1223	Fitting
4911-1663	Washer
3745-2401	Boat Bracket—R.H.
3745-2402	Boat Bracket—L.H.
3745-2405	Pivot Shaft—Tilt Pin Support
3745-2407	Crosspiece—Boat Bracket
3755-2412	Pad—Clamp Screw
3655-2414	Clamp Screw
3745-2415	Handle—Clamp Screw
3745-2416	Tilt Pin Assembly
3755-2426	Pivot Bracket
3745-2430	Friction Washer—Boat Bracket Bolt
3765-2442	Tilt Stop Assembly
509-2489	Pin—Clamp Screw and Handle
3365-2497	Spacer
3765-2497	Spacer
519-2504	Knob

Part Number	Description
3925-2505	Plunger
519-2506	Spring
3745-3662	Pin
3755-4357	Spring—Reverse Lock
3755-4359	Yoke—Reverse Lock
3755-4360	Pin—Reverse Lock
3745-5805	Bolt—Boat Bracket
461-5841	Screw—Crosspiece
1765-5886	Screw
508-5931	Friction Screw—Pivot Bracket
3745-6703	Locknut—Boat Bracket Bolt
465-6713	Nut
3755-6718	Locknut—Friction Screw
3755-8615	"E" Ring
3755-8619	Clevis Pin



## BOAT BRACKET-3665



Part Number	Description
3655-1223	Fitting—Grease
3645-2401	Bracket—R.
3645-2402	Bracket—L.
3755-2412	Pad—Clamp Screw
3655-2414	Clamp Screw
3745-2415	Clamp Screw—Handle
3655-2416	Tilt Pin Assy.
3655-2426	Pivot Bracket
3655-2429	Cover Plate
3645-2430	Cone—Tilt Friction
3645-2431	Washer—Brkt. Bolt
3665-2431	Washer—Brkt. Bolt
3645-2460	Spring—Tilt Pressure
509-2489	Groove Pin
519-2504	Knob—Tilt Stop
3655-2505	Plunger
519-2506	Spring
3745-3662	Pin—Retaining

Part Number	Description
3655-4357	Spring—Lock Return
2655-4358	Spring—Actuator R.
3655-4358	Spring—Actuator L.
3645-4359	Bracket—Rev. Lock
3655-4360	Pin—Rev. Lock
3655-4363	Pin—Rev. Lock Pivot
3655-4401	Lever—Rev. Lock
3665-5805	Bolt
461-5840	Screw—Friction
493-5887	Drive Screw
509-5945	Screw
3665-6703	Nut
465-6713	Nut—Tilt Stop
462-7203	Lockwasher
519-7236	Lockwasher
3655-8615	Retaining Ring
3755-8619	Clevis Pin







Application of Major Scott-Atwater Accessories (Cont.)

ACCESSORY NUMBER	DESCRIPTION	FOR THIS MODEL				
		3765	3365	3865	3965	3665
3765-4675	Remote Control Kit	X	X	X		
3965-4675	Remote Control Kit				X	X
3745-8823	Stowaway Tank	X				
3345-8823	Stowaway Tank		X	X	X	X
3755-5814	Salt Water Flushing Kit	X	X	X	X	
3655-4150	Elect. Starter Kit					X
3965-4150	Elect. Starter Kit				X	
B3-40	Motor Case	X				
B3-75	Motor Case		X	X		
B4-750	Powerhead Cover	X	X	X		
B22-10	Powerhead Cover				X	X
B22-80	Powerhead Cover	X	X	X		



## THROTTLE BUTTERFLY CONTROL KITS

These kits are used to hook up remote control of the throttle butterfly. It gives a simple, inexpensive means of controlling boat speed from the driver's cockpit. All racing motors use this type of control on the motor in conjunction with a crash-throttle that will automatically slow the motor down when the driver releases his grip on the handles. A simple throttle control lever, like B20-9262 listed in your Accessory Catalog, can also be used.

This type of control actuates only the throttle butterfly - the magneto position must be controlled separately by moving the speed control lever on the motor. Synchronized control of both spark and throttle is achieved by using the Remote Shift and Speed Control Kits listed in the Accessory Catalog.

### Installation on Models to 10 HP

Remove the carburetor from the motor and eliminate the synchronous control mechanism. Remove the two screws that hold the carburetor knob stop under the carburetor bowl and install the cast bracket as shown in the diagram. File or grind off the end of the throttle shaft, remove the old lever, and remove the butterfly. Reverse the throttle shaft and replace the butterfly. Clamp the new swivel lever on the shaft so it is vertical when the throttle butterfly is half-way open.

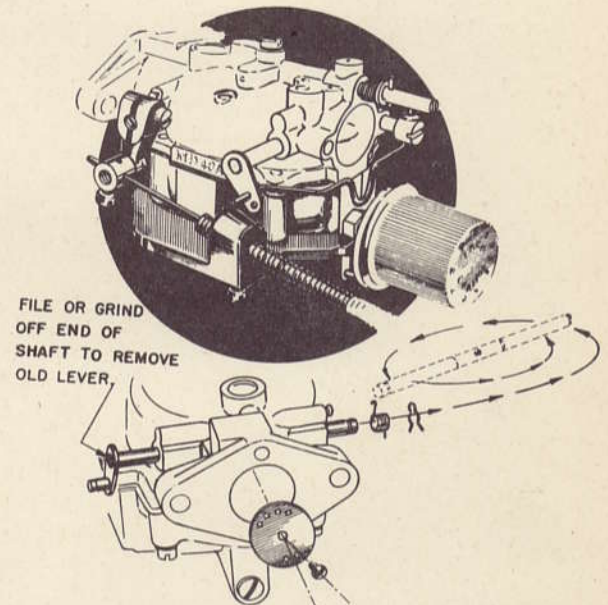
If this kit is used on the model 483 or 493, the bracket that holds the choke assembly will have to be removed and some other means devised for choking the motor.

### Installation on 16 HP Model

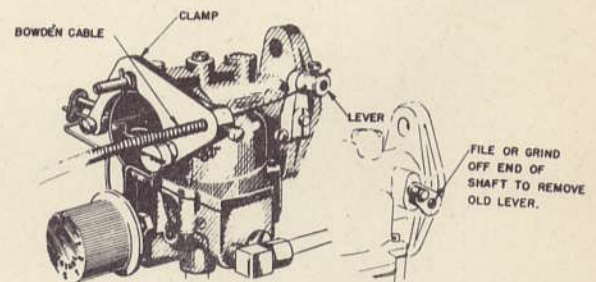
Install the cast bracket as shown, making sure the position of the large headed screw has not been changed so much that the choke wire will bind when the knob is pressed in. File or grind off the end of the shaft, remove the old lever and clamp the new swivel lever on so it is near vertical when the throttle is half open. The synchronous control mechanism must be eliminated.

### Installation on the Boat

After mounting the desired type of lever on the boat, bring the Bowden cable back to the motor and clamp the casing in the bracket. Set the control lever at the slow position, then clamp the wire in the swivel lever with the butterfly in the closed position. The movable lever on the boat should be installed so that pushing it forward will increase speed, pulling it back will slow the motor down.



*Throttle Butterfly Control for Motors to 10 HP*  
518-4680

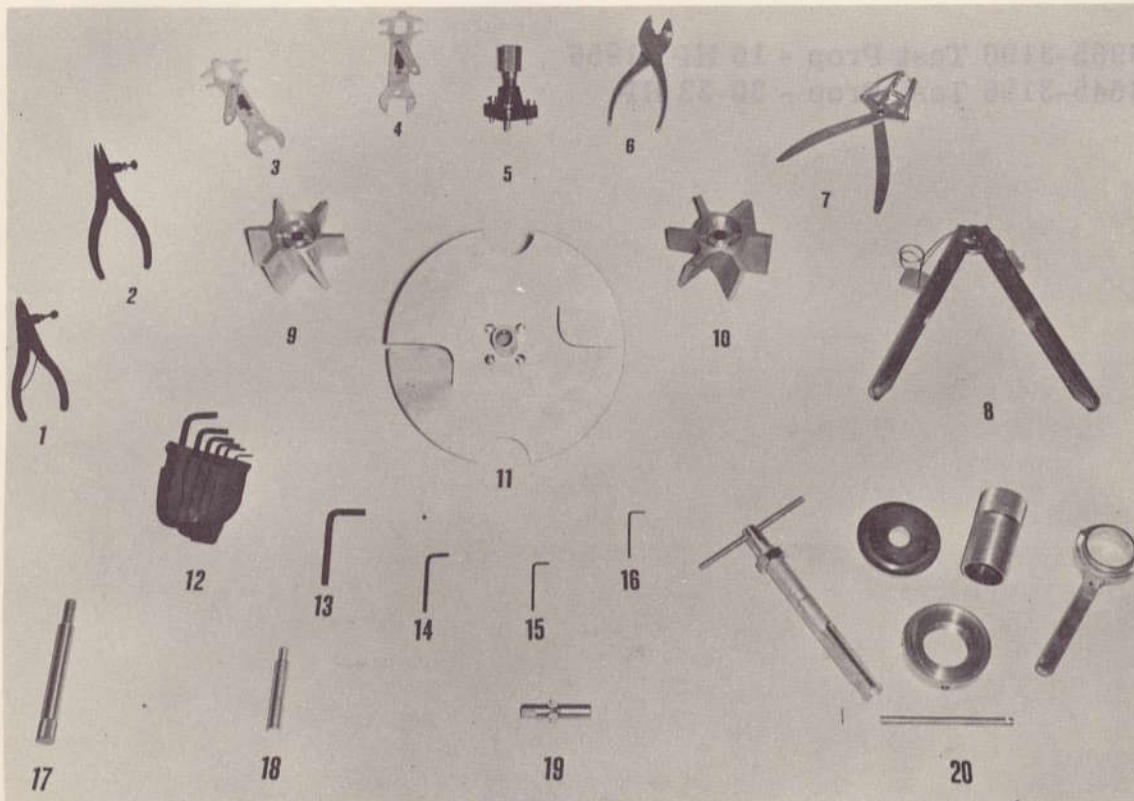


*Throttle Butterfly Control for 16 HP Motor*  
509-4680



## SPECIAL TOOLS

As in any profession, proper tools are a sign of good work done right. "A specific job, plus the right tool, equals efficiency." Below is a list of special tools available to you through your distributor. See Master Numerical Parts Price List for costs.



- |   |  |
|---|--|
| 1. #2 Tru-Arc Pliers  | 11. 509-3196 Test Prop - 16 HP                   |
| 2. #4 Tru-Arc Pliers  | 12. Bristol Wrench Set                           |
| 3. 480-8900 Handi Wrench Assembly                                       | 13. 509-8907 Bristol Spline Wrench               |
| 4. 491-8900 Handi Wrench Assembly                                       | 14. 5011-8904 Bristol Spline Wrench              |
| 5. SK-1680 Flywheel Puller  | 15. #8 Bristol Wrench                            |
| 6. Corbin Hose Clamp Pliers   | 16. 509-8909 Bristol Spline Wrench               |
| 7. U-141 Piston Ring Expansion Tool                                     | 17. SK-5175 Piston Pin Inserter 10-16 HP         |
| 8. 3220-0 Ferrule Contracting Tool                                      | 18. SK-6324 Piston Pin Inserter 3.5, 5, 7 1/2 HP |
| 9. SK-7108 - 5 HP, SK-7109 - 7.5 HP,<br>SK-7110 - 10 HP Test Prop L.H.  | 19. A48-618 Torque Wrench Adaptor                |
| 10. SK-7105 - 5 HP, SK-7106 - 7.5 HP,<br>SK-7107 - 10 HP Test Prop R.H. | 20. A50-635 Lower Unit Tool Set - 16 HP          |

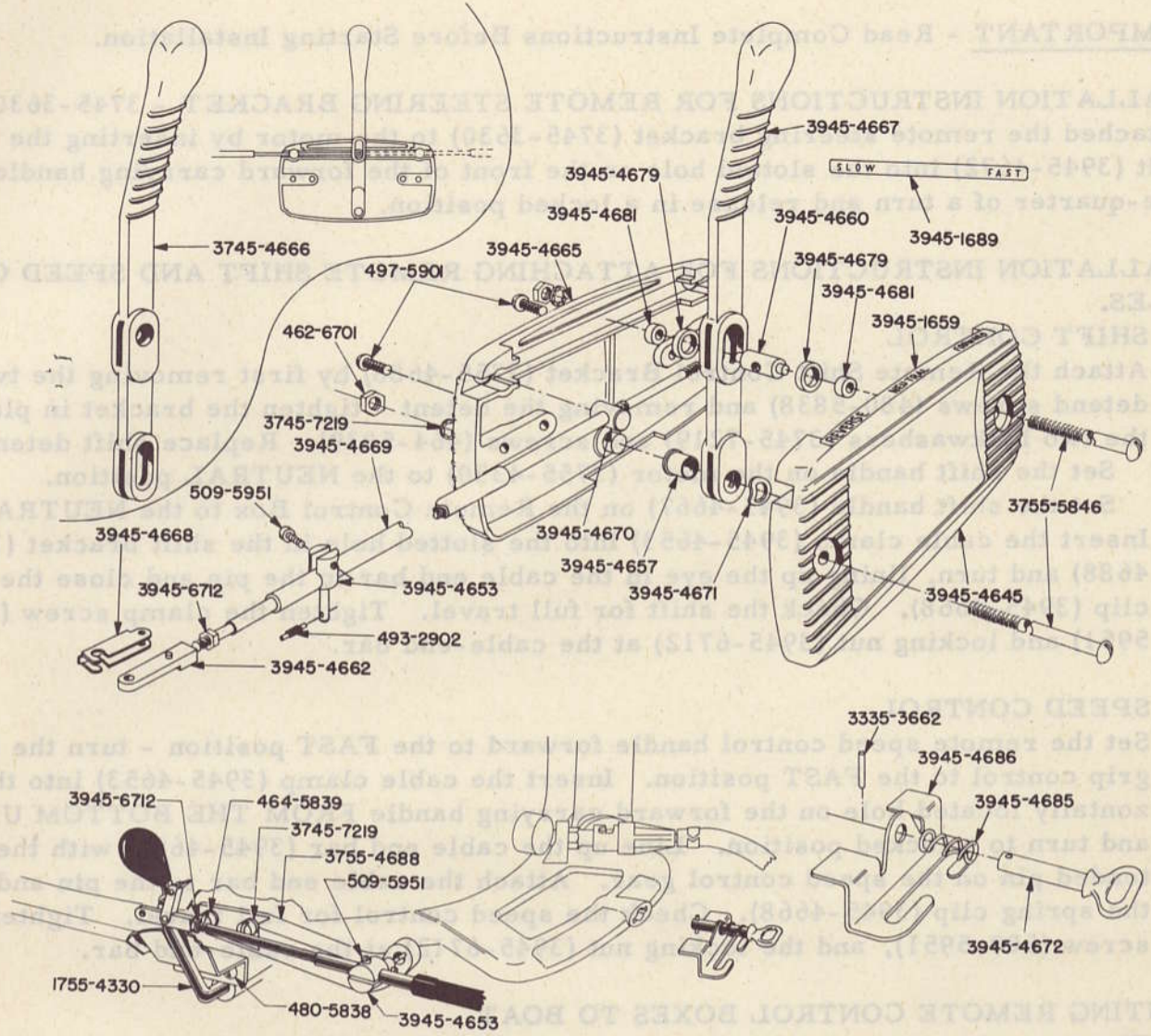






# REMOTE CONTROL INSTALLATION INSTRUCTIONS

5 - 7½ - 10 HP



Part Number	Description
3945-1659	Decal - Remote Shift
3945-1689	Decal - Speed Indicator
493-2902	Pin
3335-3662	Roll Pin
3755-4330	Shift Handle
3945-4645	Remote Control Box
3945-4653	Clamp
3945-4657	Bushing
3945-4660	Pin
3945-4662	Cable-end Bar
3945-4665	Cover - Remote Control Box
3745-4666	Lever - Speed
3945-4667	Lever - Shift
3945-4668	Spring Clip
3945-4669	Remote Control Cable
3945-4670	Pivot Pin

Part Number	Description
3945-4671	Washer
3945-4672	Hook-up Bolt
3945-4679	Roller
3945-4681	Roller
3945-4685	Spring
3945-4686	Remote Steering Bracket
3755-4688	Bracket
480-5838	Screw - Detent
464-5839	Screw - Bracket
3755-5846	Screw - Control Box to Boat
497-5901	Screw
509-5951	Screw
462-6701	Nut
3945-6712	Nut - Cable-end Lock
3745-7219	Lockwasher



## REMOTE SHIFT AND SPEED CONTROL - 3755-4675

5, 7-1/2 and 10 HP

IMPORTANT - Read Complete Instructions Before Starting Installation.

### INSTALLATION INSTRUCTIONS FOR REMOTE STEERING BRACKET - 3745-3630

Attached the remote steering bracket (3745-3630) to the motor by inserting the hook-up bolt (3945-4672) into the slotted hole on the front of the forward carrying handle - turn one-quarter of a turn and release in a locked position.

### INSTALLATION INSTRUCTIONS FOR ATTACHING REMOTE SHIFT AND SPEED CONTROL CABLES.

#### A. SHIFT CONTROL

Attach the Remote Shift Control Bracket (3755-4688) by first removing the two shift detent screws (480-5838) and removing the detent - tighten the bracket in place using the two lockwashers (3745-7219) and screws (464-5839). Replace shift detent.

Set the shift handle on the motor (3755-4330) to the NEUTRAL position.

Set the shift handle (3945-4667) on the Remote Control Box to the NEUTRAL position. Insert the cable clamp (3945-4653) into the slotted hole in the shift bracket (3755-4688) and turn, lining up the eye in the cable end bar to the pin and close the spring clip (3945-4668). Check the shift for full travel. Tighten the clamp screw (509-5951) and locking nut (3945-6712) at the cable-end bar.

#### B. SPEED CONTROL

Set the remote speed control handle forward to the FAST position - turn the twist grip control to the FAST position. Insert the cable clamp (3945-4653) into the horizontally located hole on the forward carrying handle FROM THE BOTTOM UPWARD and turn to a locked position. Line up the cable end bar (3945-4662) with the extended pin on the speed control gear. Attach the cable end bar to the pin and close the spring clip (3945-4668). Check the speed control for full travel. Tighten clamp screw (509-5951), and the locking nut (3945-6712) at the cable-end bar.

### MOUNTING REMOTE CONTROL BOXES TO BOAT

The control boxes may be mounted separately or stacked together. The boxes and cables, as shipped, are prepared for left (PORT) end mounting to boat, but can be easily converted to right (STARBOARD) mounting. Simply remove the two side screws (497-5901) separating the halves of the box. Turn the cable and handle 180°, seat the pivot pin (3945-4670) into the opposite half of the box as indicated by dotted line in illustration. This will bring the cable out the opposite side. The handle may also be turned to face either direction, simply by unscrewing the cable from the slider pin (3945-4660). Turn the handle 180° and screw the cable into the slider pin. Replace the two halves of the box with the two screws (497-5901). Be sure all washers and spacers are in place as shown in illustration. Mount the boxes to the boat using the two screws (3755-5846), lockwashers (3745-7219), and nuts (462-6701).

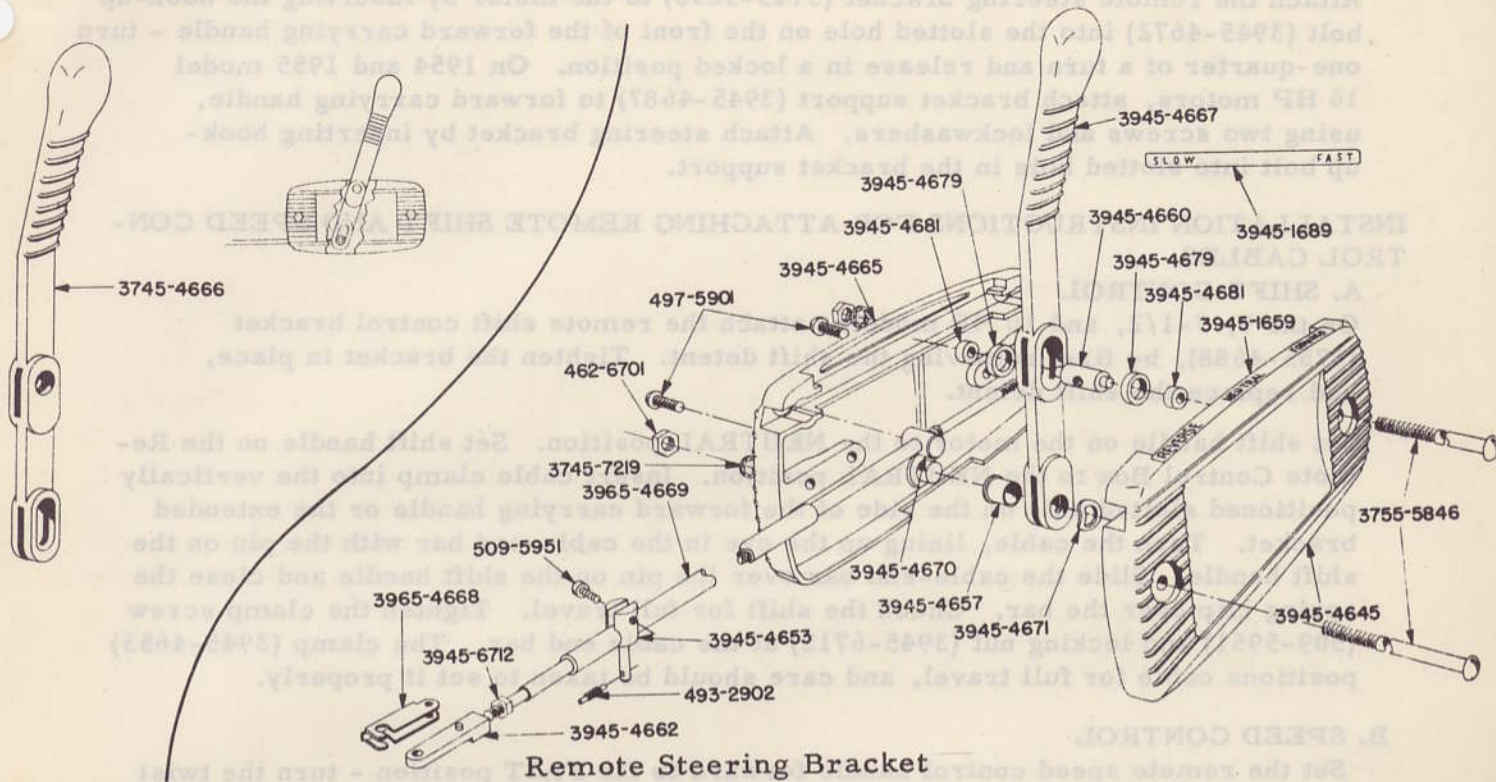
You will note that one cable is one foot longer than the other. The longer cable is used to reach the control on the farthest side of the motor, depending upon which side of the boat the Control Boxes are mounted.



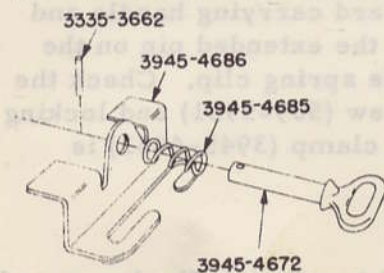
**REMOTE CONTROL INSTALLATION INSTRUCTIONS**  
1954-1956 Models

Remote Shift - All Models  
Remote Speed - 16 - 30 - 33 HP

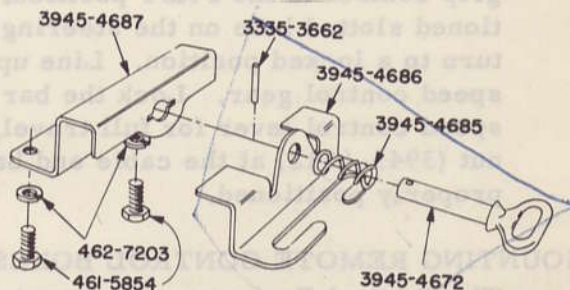
Remote Speed - 5 - 7-1/2 - 10 HP



5 - 7-1/2 - 10 - 16 (1956) - 30 - 33 HP



16 HP (1954-1955)



Part Number	Description
3945-1659	Decal - Remote Shift
3945-1689	Decal - Speed Indicator
493-2902	Pin
3335-3662	Roll Pin
3945-4645	Remote Control Box
3945-4653	Clamp
3945-4657	Bushing
3945-4660	Pin
3945-4662	Cable-end Bar
3945-4665	Cover - Remote Control Box
3745-4666	Lever - Speed
3945-4667	Lever - Shift
3965-4668	Spring Clip
3965-4669	Remote Control Cable
3945-4670	Pivot Pin

Part Number	Description
3945-4671	Washer
3945-4672	Hook-up Bolt
3945-4679	Roller
3945-4681	Roller
3945-4685	Spring
3945-4686	Remote Steering Bracket
3945-4687	Bracket Support
3755-4688	Bracket
3755-5846	Screw - Control box to Boat
461-5854	Screw
497-5901	Screw
509-5951	Screw
462-6701	Nut
3945-6712	Nut
462-7203	Lockwasher
3745-7219	Lockwasher



## REMOTE CONTROL INSTALLATION INSTRUCTIONS

1954-1956 Models

**IMPORTANT - Read Complete Instructions Before Starting Installation.**

### INSTALLATION INSTRUCTIONS FOR REMOTE STEERING BRACKET

Attach the remote steering bracket (3745-3630) to the motor by inserting the hook-up bolt (3945-4672) into the slotted hole on the front of the forward carrying handle - turn one-quarter of a turn and release in a locked position. On 1954 and 1955 model 16 HP motors, attach bracket support (3945-4687) to forward carrying handle, using two screws and lockwashers. Attach steering bracket by inserting hook-up bolt into slotted hole in the bracket support.

### INSTALLATION INSTRUCTIONS FOR ATTACHING REMOTE SHIFT AND SPEED CONTROL CABLES.

#### A. SHIFT CONTROL

On the 5, 7-1/2, and 10 HP models, attach the remote shift control bracket (3755-4688), by first removing the shift detent. Tighten the bracket in place, and replace the shift detent.

Set shift handle on the motor to the NEUTRAL position. Set shift handle on the Remote Control Box to the NEUTRAL position. Insert cable clamp into the vertically positioned slotted hole on the side of the forward carrying handle or the extended bracket. Turn the cable, lining up the eye in the cable-end bar with the pin on the shift handle. Slide the cable-end bar over the pin on the shift handle and close the spring clip over the bar. Check the shift for full travel. Tighten the clamp screw (509-5951) and locking nut (3945-6712) at the cable end bar. The clamp (3945-4653) positions cable for full travel, and care should be taken to set it properly.

#### B. SPEED CONTROL

Set the remote speed control handle forward to the FAST position - turn the twist grip control to the FAST position. Insert the cable clamp in the horizontally positioned slotted hole on the steering handle side of the forward carrying handle and turn to a locked position. Line up the cable end bar with the extended pin on the speed control gear. Lock the bar to the pin by closing the spring clip. Check the speed control lever for full travel, and tighten clamp screw (509-5951) and locking nut (3945-6712) at the cable end bar, making certain that clamp (3945-4653) is properly positioned.

### MOUNTING REMOTE CONTROL BOXES TO BOAT

The Control Boxes may be mounted separately or stacked together. The boxes and cables as shipped are prepared for left (PORT) side mounting to boat, but can be easily converted to right (STARBOARD) mounting. Simply remove the two side screws separating the halves of the box. Turn the cable and handle 180°, seat the pivot pin (3945-4670) into the opposite half of the box as indicated by dotted line in illustration. This will bring the cable out the opposite end. The handle may also be turned to face either direction simply by unscrewing the cable from the slider pin (3945-4660), turn the handle 180° and screw the cable into the slider pin. Replace the two halves of the box with the two screws (497-5901). Be sure all washers and spacers are in place as shown in illustration. Mount the boxes to the boat using the two screws (3755-5846), lockwashers (3745-7219) and nuts (462-6701).

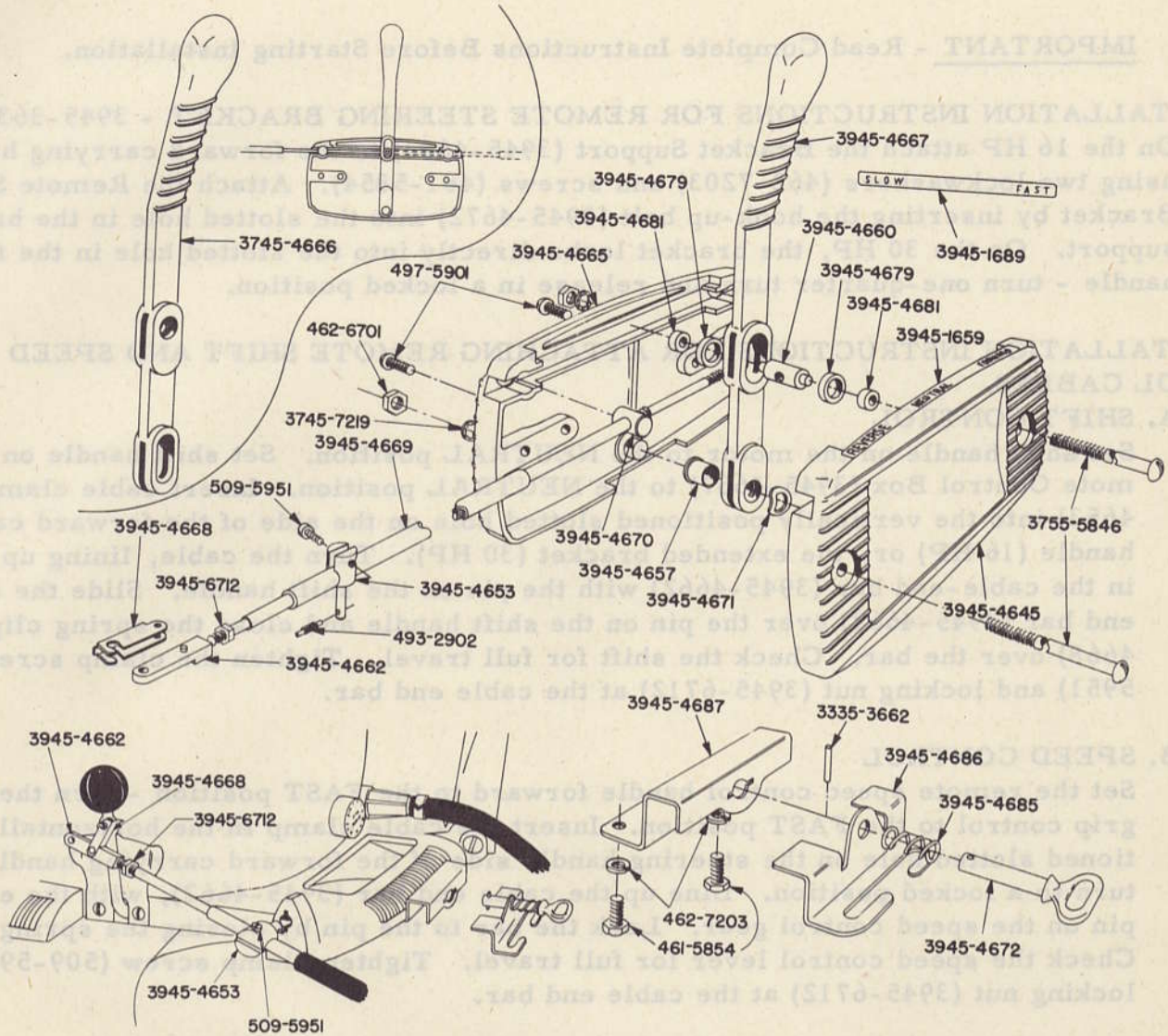
Remote controls are available in pre-cut lengths (with cable end fittings and control boxes attached to the cables) or in bulk. Instructions for fitting bulk cable into end fittings are included with the bulk kit, and the cable ends are inserted into boxes as shown in parts diagrams. Cable end must be screwed all the way into slider pin (3945-4660).

All remote control boxes are identical, and the box as shown with handle #3945-4667 is used as the shift control for all models (1954-1956). It is also used as the speed control on 16, 30 and 33 HP models (1954-1956).

The same box, inverted, is used with handle #3745-4666 as speed control on 5, 7.5 and 10 HP models (1954-1956). In this instance, the cable end fitting will connect with slider pin in the lower end of the handle.



**REMOTE CONTROL INSTALLATION INSTRUCTIONS**  
16 - 30 HP



Part Number	Description
3945-1659	Decal - Remote Shift
3945-1689	Decal - Speed Indicator
493-2902	Pin
3335-3662	Roll Pin
3945-4645	Remote Control Box
3945-4653	Clamp
3945-4657	Bushing
3945-4660	Pin
3945-4662	Cable-end Bar
3945-4665	Cover - Remote Control Box
3745-4666	Lever - Speed
3945-4667	Lever - Shift
3945-4668	Spring Clip
3945-4669	Remote Control Cable
3945-4670	Pivot Pin

Part Number	Description
3945-4671	Washer
3945-4672	Hook-up Bolt
3945-4679	Roller
3945-4681	Roller
3945-4685	Spring
3945-4686	Remote Steering Bracket
3945-4687	Bracket Support
3755-5846	Screw - Control box to Boat
461-5854	Screw
497-5901	Screw
509-5951	Screw
462-6701	Nut
3945-6712	Nut
462-7203	Lockwasher
3745-7219	Lockwasher



## REMOTE SHIFT AND SPEED CONTROL - 3945-4675

16 HP and 30 HP

IMPORTANT - Read Complete Instructions Before Starting Installation.

### INSTALLATION INSTRUCTIONS FOR REMOTE STEERING BRACKET - 3945-3630.

On the 16 HP attach the Bracket Support (3945-4687) to the forward carrying handle using two lockwashers (462-7203) and screws (461-5854). Attach the Remote Steering Bracket by inserting the hook-up bolt (3945-4672) into the slotted hole in the bracket support. On the 30 HP, the bracket locks directly into the slotted hole in the forward handle - turn one-quarter turn and release in a locked position.

### INSTALLATION INSTRUCTIONS FOR ATTACHING REMOTE SHIFT AND SPEED CONTROL CABLES.

#### A. SHIFT CONTROL

Set shift handle on the motor to the NEUTRAL position. Set shift handle on the Remote Control Box (3945-4667) to the NEUTRAL position. Insert cable clamp (3945-4653) into the vertically positioned slotted hole on the side of the forward carrying handle (16 HP) or, the extended bracket (30 HP). Turn the cable, lining up the eye in the cable-end bar (3945-4662) with the pin on the shift handle. Slide the cable-end bar (3945-4662) over the pin on the shift handle and close the spring clip (3945-4668) over the bar. Check the shift for full travel. Tighten the clamp screw (509-5951) and locking nut (3945-6712) at the cable end bar.

#### B. SPEED CONTROL

Set the remote speed control handle forward to the FAST position - turn the twist grip control to the FAST position. Insert the cable clamp in the horizontally positioned slotted hole on the steering handle side of the forward carrying handle and turn to a locked position. Line up the cable end bar (3945-4662), with the extended pin on the speed control gear. Lock the bar to the pin by closing the spring clip. Check the speed control lever for full travel. Tighten clamp screw (509-5951) and locking nut (3945-6712) at the cable end bar.

### MOUNTING REMOTE CONTROL BOXES TO BOAT

The Control Boxes may be mounted separately or stacked together. The boxes and cables as shipped are prepared for left (PORT) side mounting to boat, but can be easily converted to right (STARBOARD) mounting. Simply remove the two side screws (497-5901) separating the halves of the box. Turn the cable and handle 180°, seat the pivot pin (3945-4670) into the opposite half of the box as indicated by dotted line in illustration. This will bring the cable out the opposite end. The handle may also be turned to face either direction simply by unscrewing the cable from the slider pin (3945-4660), turn the handle 180° and screw the cable into the slider pin. Replace the two halves of the box with the two screws (497-5901). Be sure all washers and spacers are in place as shown in illustration. Mount the boxes to the boat using the two screws (3755-5846), lockwashers (3745-7219) and nuts (462-6701).

You will note that one cable is one foot longer than the other. The longer cable is used to reach the control on the farthest side of the motor, depending upon which side of the boat the Control Boxes are mounted.



**SUBJECT: Installation and Repair of Remote Control Cables**

Two types of remote control cables have been used in production of remote control assemblies. One is black in color (part number 3945-4669) and the other is gold (part number 3965-4669).

In making an installation on a boat, using either type of cable, it is extremely important that all bends be of a gradual nature (6" minimum radius). A bend or curve of less than 6 inch radius, either in handling or installation, will almost invariably result in the core wire taking a permanent set or kink. The presence of a kink in the core wire builds up a great deal of friction and in extreme cases will make it impossible to operate the control assembly.

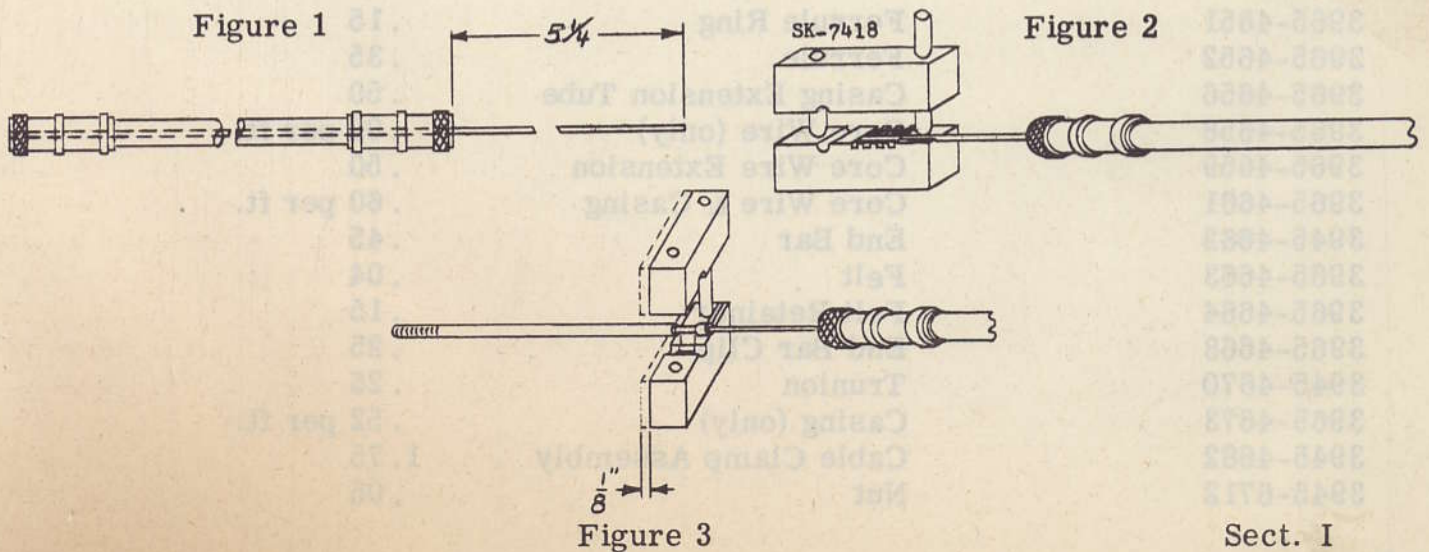
It is almost impossible to remove a kink in a core wire by reforming the cable assembly and in the case of a black cable it will be necessary to replace the entire cable assembly.

With the gold cable it is possible to remedy the condition by replacing the core wire as outlined below.

**Disassembly**  
(See Figure 4)

1. Remove cable assembly from motor and control box.
2. Remove end bar (3945-4662) and nut (3945-6712) from cable.
3. Remove both guide tubes (3965-4656) by unscrewing from ferrules (3965-4652).
4. Cut core wire (3965-4658) as close as possible to core wire extension (3965-4659)
5. Remove core wire from casing. Save core wire for later usage for repair of a cable of shorter length if kinks are located so this is possible.

**Reassembly**



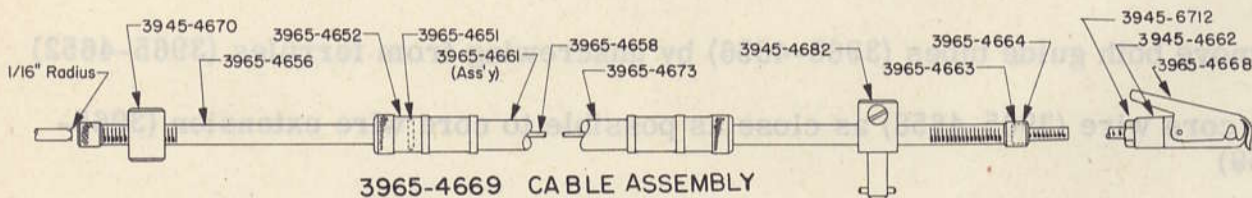


1. Insert new core wire into casing until it is flush with end of ferrule. See Figure 1
2. On the opposite end measure 4-15/16" of wire from the end of the ferrule and cut the core wire. Be certain that the core wire is flush with opposite ferrule when making measurement and cut. See Figure 1

Note: The 4-15/16" measurement is a revision of the dimension of 5-1/4" given in the bulk assembly instructions and the new measurement (4-15/16") should be used in repairing or assembling cables from bulk material.

3. Using the swaging tool (SK7418) swage both ends of the core wire. See Figure 2. Place new core wire extension (3965-4659) over swaged core wire. Note: If the unthreaded end of the extension (3965-4659) has a square end grind a radius of 1/16" as shown in Figure 4.
4. Again with the swaging tool place the core wire extension in the die so the unthreaded end of the extension is flush with the tool. Crimp firmly, open the tool and shift position of extension approximately 1/8" and crimp again. See Figure 3.
5. Repeat operation four to install core wire extension on opposite end of core wire.
6. Reinstall guide tubes (3965-4656) and reassemble cable into control box.
7. Reinstall nut, end bar and clip on core wire extension and reconnect to motor.

Figure 4



Part Number	Description	List Price
3965-4651	Ferrule Ring	.15
3965-4652	Ferrule	.35
3965-4656	Casing Extension Tube	.50
3965-4658	Core Wire (only)	.08 per ft.
3965-4659	Core Wire Extension	.50
3965-4661	Core Wire & Casing	.60 per ft.
3945-4662	End Bar	.45
3965-4663	Felt	.04
3965-4664	Felt Retainer	.15
3965-4668	End Bar Clip	.25
3945-4670	Trunion	.25
3965-4673	Casing (only)	.52 per ft.
3945-4682	Cable Clamp Assembly	1.75
3945-6712	Nut	.05



## REMOTE CONTROL CONVERSION '54 - '55

The 3945-4675 remote control kit for 16 and 30 HP models is completely interchangeable between the 1954 and 1955 models with no additional parts required.

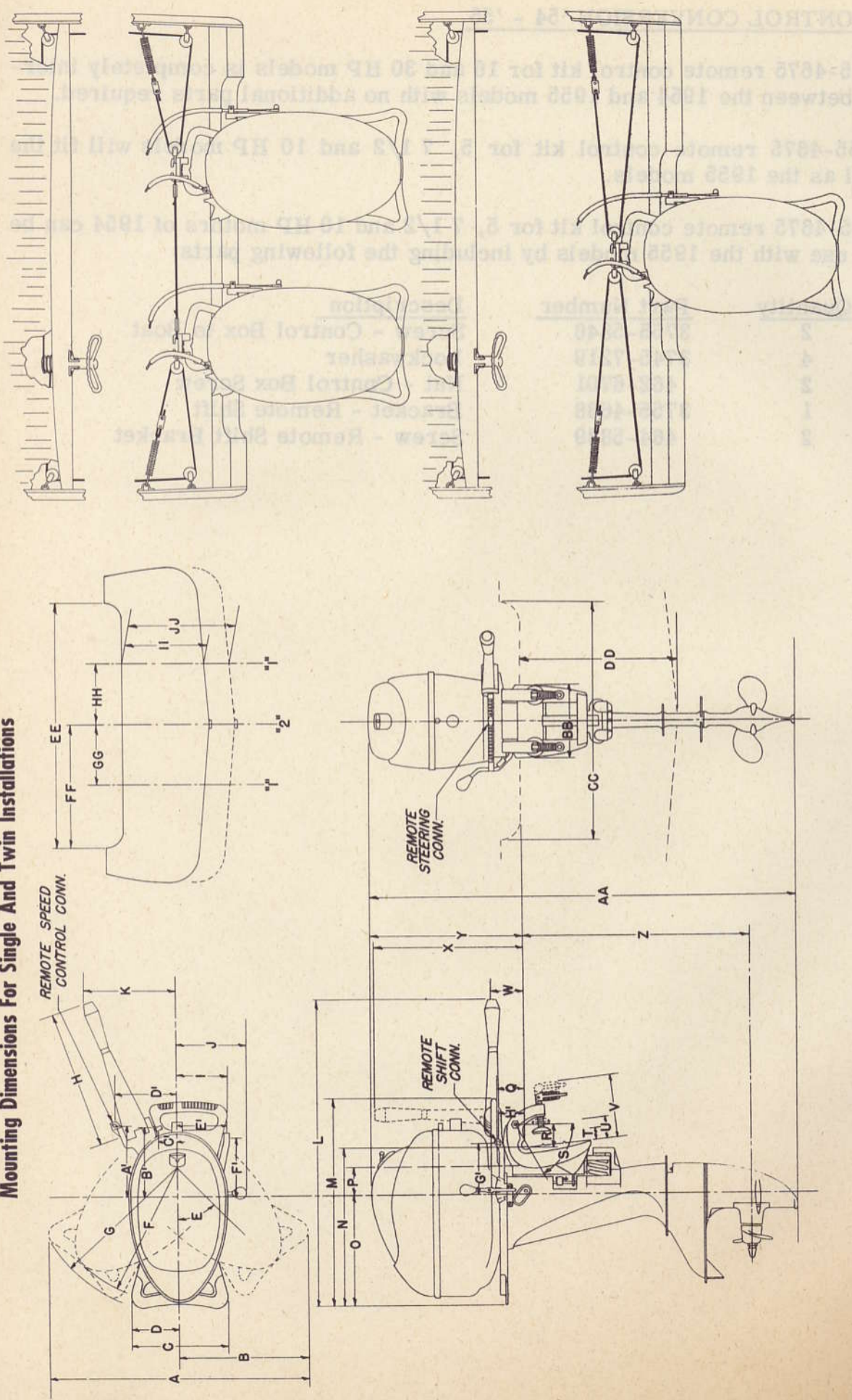
The 3755-4675 remote control kit for 5, 7 1/2 and 10 HP models will fit the 1954 as well as the 1955 models.

The 3745-4675 remote control kit for 5, 7 1/2 and 10 HP motors of 1954 can be adapted for use with the 1955 models by including the following parts:

<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
2	3755-5846	Screw - Control Box to Boat
4	3745-7219	Lockwasher
2	462-6701	Nut - Control Box Screw
1	3755-4688	Bracket - Remote Shift
2	464-5839	Screw - Remote Shift Bracket



# Mounting Dimensions For Single And Twin Installations



MODEL	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ
3001, 3010, 3003	10	25-1/2	14-1/4	8-1/4	4-3/8	45°	14	13-1/2	11	4-1/2	7	5-1/2	28	18-1/4	15-1/2	10	3-1/2	2-1/2	2-1/4	66°	1-1/4	2-1/8	1-3/8	2-1/2	14	15	21	49	7	25-1/2	15	25-1/2	30	10-1/4	18	8	8	15	15	20	20	20	7-1/2	7	1-1/2	6	4	5	5	3		
3003 & 3015	16	23	14	8	4-1/2	45°	15	14-1/2	11	5-1/2	8	13	25-1/4	22	15	2-1/2	2-1/2	2-1/2	66°	1-1/4	2-1/8	1-3/8	2-1/2	14	15	21	49	7	25-1/2	15	25-1/2	30	10-1/4	18	8	8	15	15	20	20	7-1/2	7	1-1/2	6	4	5	5	3				
3003	18	22	13	7-1/2	4-1/2	45°	16	13-1/2	11	5-1/2	9	16	25	22	15	2-1/2	2-1/2	2-1/2	66°	1-1/4	2-1/8	1-3/8	2-1/2	14	15	21	47	7	25-1/2	15	25-1/2	30	10-1/4	18	8	8	15	15	20	20	7-1/2	7	1-1/2	6	4	5	5	3				
3003 & 3003	20	21	13-1/2	15-1/8	3-9/16	45°	17	15-1/2	11	5-1/2	10	17	21	21	15	3	4	4	60°	1-1/4	2-3/8	1-1/4	2-1/4	1	18	22	47	7	25-1/2	15	26	45	13	22-1/2	11	11	15	15	20	20	11	10	3°	2-1/2	7	7-3/4	7-3/4	3-1/2				
3003 & 3010-2	22	21	13-1/2	15-1/8	3-9/16	45°	17	15-1/2	11	5-1/2	10	17	21	21	15	3	4	4	60°	1-1/4	2-3/8	1-1/4	2-1/4	1	18	22	47	7	25-1/2	15	26	45	13	22-1/2	11	11	15	15	20	20	11	10	3°	2-1/2	7	7-3/4	7-3/4	3-1/2				

\* - CENTER LINE OF MOTOR - TWIN INSTALLATION  
 \* - CENTER LINE OF MOTOR - SINGLE INSTALLATION  
 \* - VARIES WITH MOTOR TILT  
 \* - MEASURE ON OTHER SIDE OF CENTER LINE



REMOTE CONTROL CONVERSION '54 - '55

The 3945-4675 remote control kit for 16 and 30 HP models is completely interchangeable between the 1954 and 1955 models with no additional parts required.

The 3755-4675 remote control kit for 5, 7 1/2 and 10 HP models will fit the 1954 as well as the 1955 models.

The 3745-4675 remote control kit for 5, 7 1/2 and 10 HP motors of 1954 can be adapted for use with the 1955 models by including the following parts:

<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
2	3755-5846	Screw - Control Box to Boat
4	3745-7219	Lockwasher
2	462-6701	Nut - Control Box Screw
1	3755-4688	Bracket - Remote Shift
2	464-5839	Screw - Remote Shift Bracket

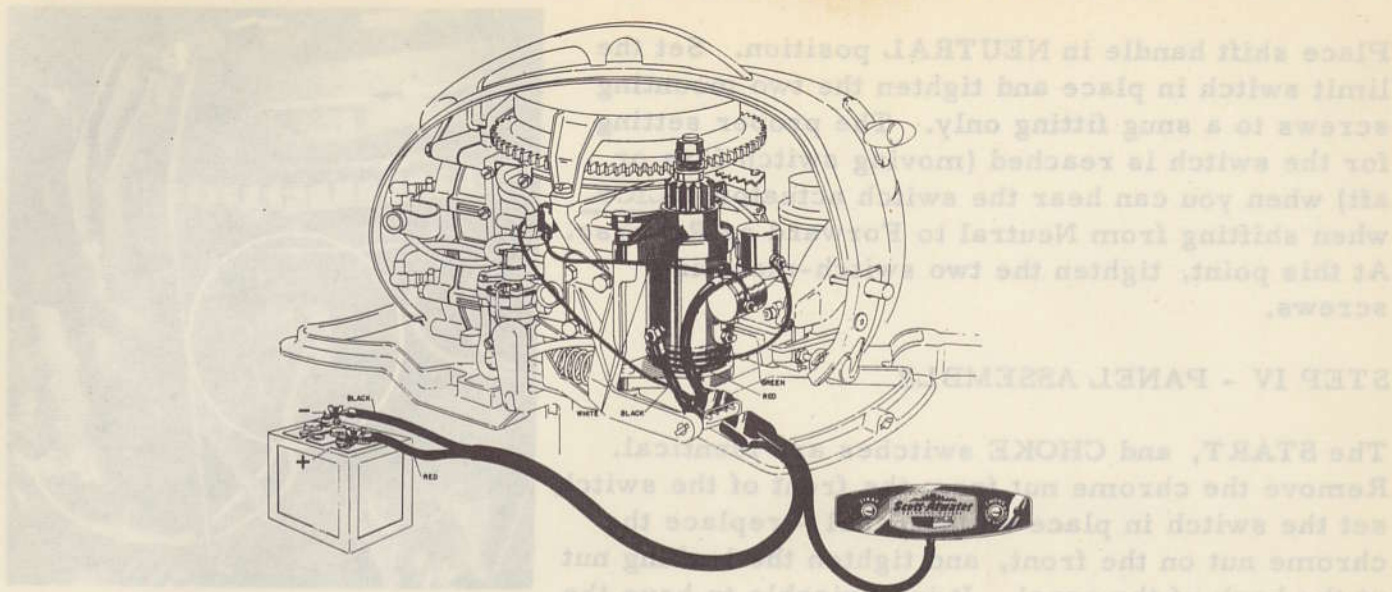
REMOTE CONTROLS - '56

The 3965-4675 and 3765-4675 remote controls are interchangeable with the '55 models. The only difference is in a new type spring clip (3965-4668) and a new type remote control cable (3965-4669). The spring clips and the remote control cable assembly are interchangeable. The component parts of the '55 and '56 remote cables are not interchangeable.







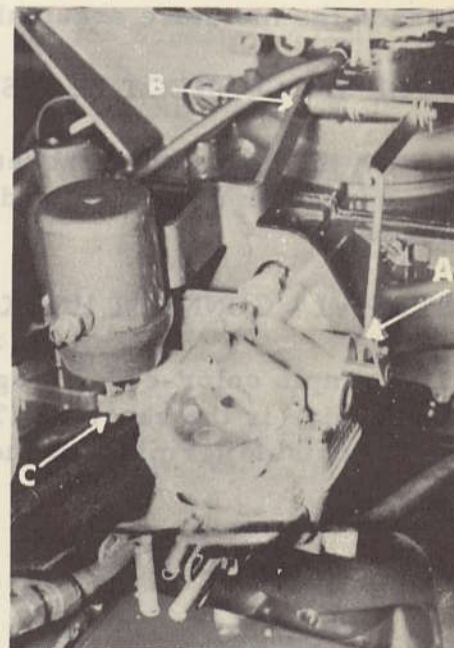


With the mounting brackets a fixed part of the starter, it is a simple process to install the complete Electric Starter Kit.

Remove both halves of the skirt.

#### STEP I - INSTALL CHOKE SOLENOID

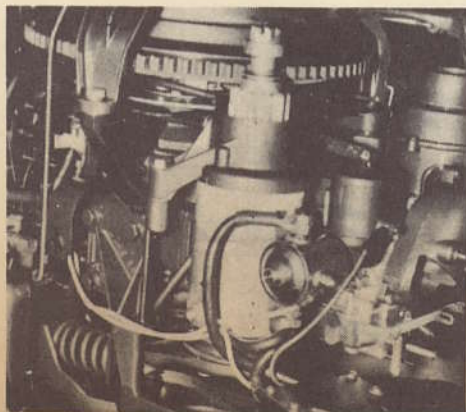
Remove the one screw at the top of the intake silencer, holding the silencer to the bracket. Remove the two carburetor stud nuts and washers, also the nut and washer on the follower shaft. Place the solenoid bracket over the carburetor studs at the bottom (A) and onto the follower shaft at the top (B) - replace the stud and follower washers and nuts. Connect the solenoid shaft to the lever on the carburetor and lock in place with the hair-pin cotter (C).



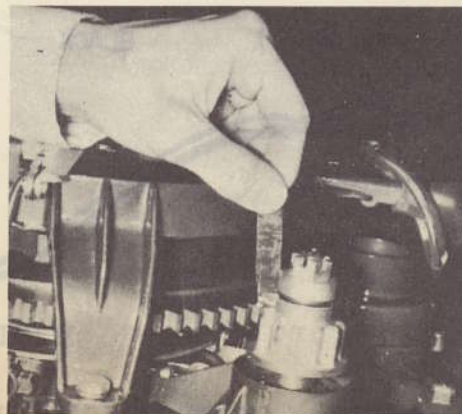
CHOKE SOLENOID

#### STEP II - INSTALL STARTER MOTOR

Bolt the electric starter motor in place. A clearance of .025 to .030 must be maintained where the flywheel gear and starter bendix gear mesh, to allow proper backlash. A feeler gauge can be used as shown in the photo. Use spacers as required. (Approximately one to two behind the inside top bracket, and two to three on the extended pin of the lower bracket.)



MOUNTING STARTER MOTOR

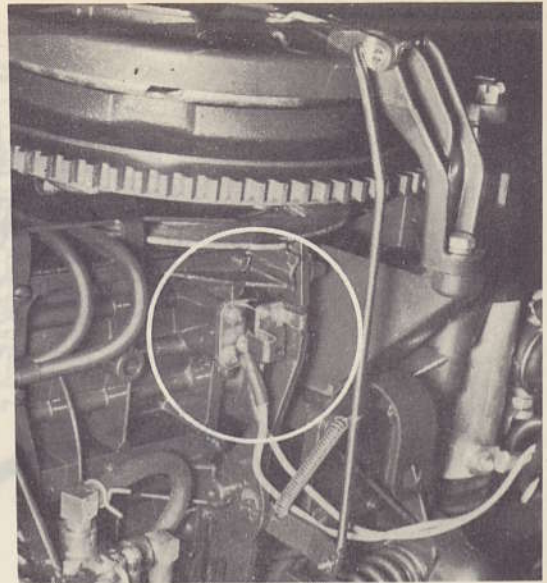


SPACING GEARS



### STEP III - INSTALL LIMIT SWITCH

Place shift handle in NEUTRAL position. Set the limit switch in place and tighten the two mounting screws to a snug fitting only. The proper setting for the switch is reached (moving switch fore or aft) when you can hear the switch actuator CLICK when shifting from Neutral to Forward or Reverse. At this point, tighten the two switch-mounting screws.



LIMIT SWITCH

### STEP IV - PANEL ASSEMBLY

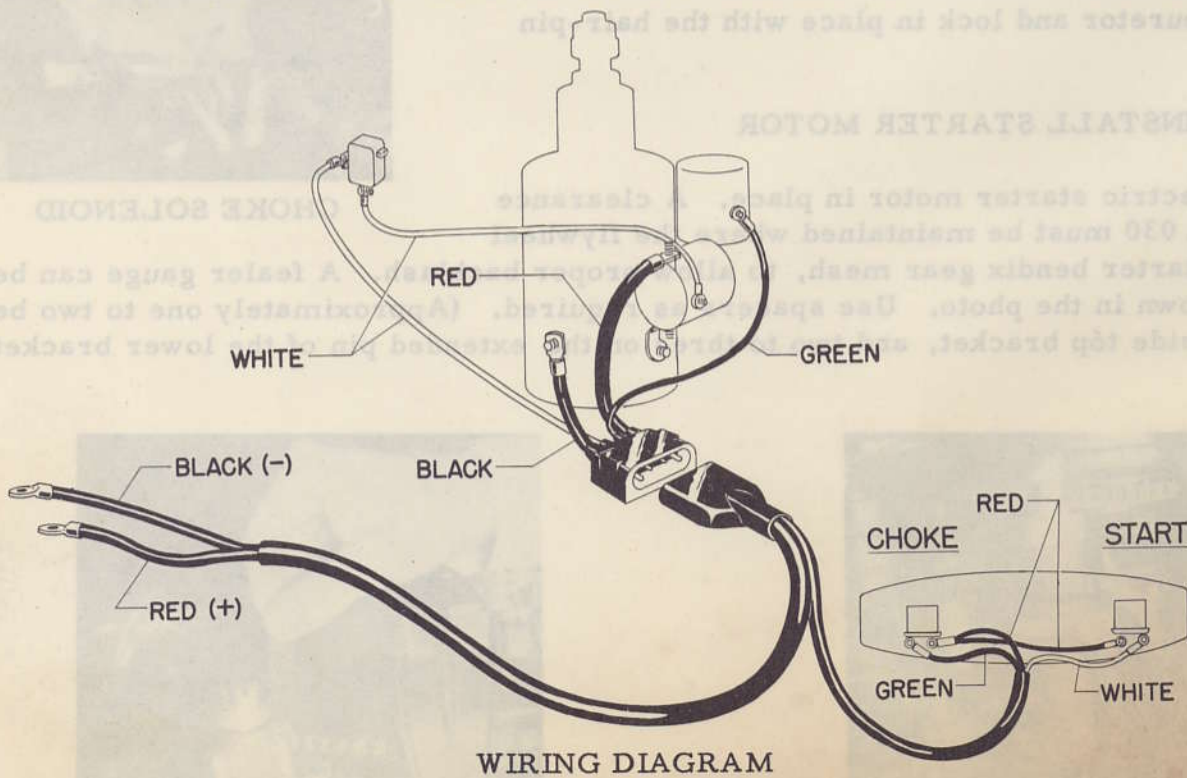
The START, and CHOKE switches are identical. Remove the chrome nut from the front of the switch, set the switch in place on the panel - replace the chrome nut on the front, and tighten the locking nut at the back of the panel. It is advisable to have the terminals on the switches pointing down. This will lessen the moisture accumulation on the terminals.

### STEP V - CONNECTOR ASSEMBLY

Attach the connector bracket to the handle, with the two screws and washers. Place the connector receptical and top plate on the bracket, and insert the four mounting screws.

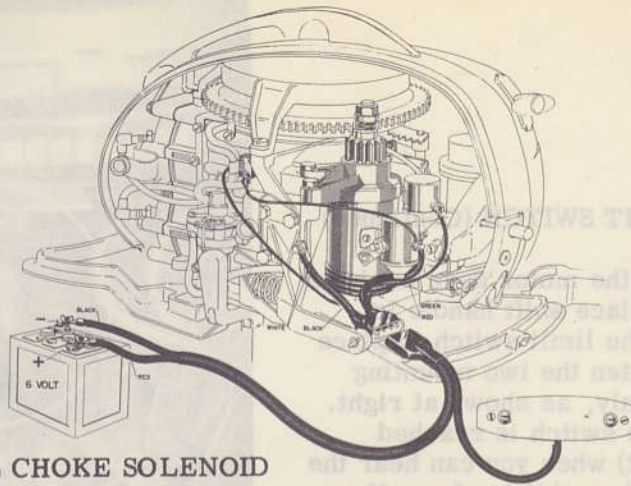
### STEP VI - CONNECT HOOK-UP WIRES

The simple color-coded diagram below shows complete wiring arrangement. The only loose wire is the short WHITE lead connecting the bottom terminal on the limit switch to the outside terminal of the starter solenoid.



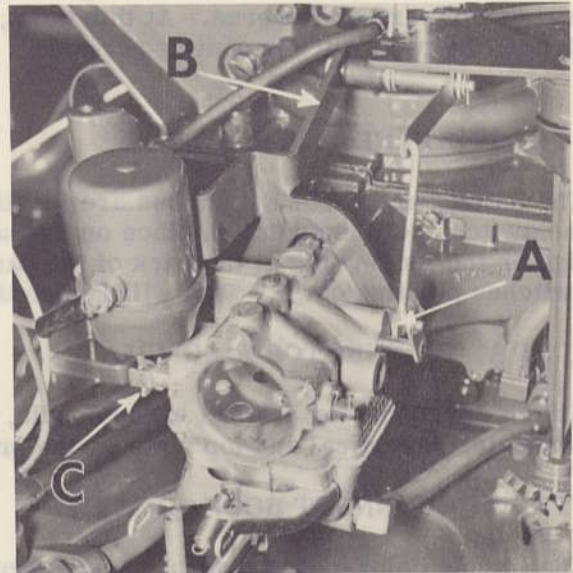
Refer to the parts catalog for individual part numbers and assemblies.





**STEP I - INSTALL CHOKE SOLENOID**

Remove both halves of the skirt, remove the intake silencer, remove the two carburetor stud nuts and washers and the nut and washer on the follower shaft. Place the solenoid bracket over the carburetor studs at the bottom (A) and on to the follower shaft at the top (B). Replace the stud and follower washers and nuts. Connect the solenoid shaft to the lever on the carburetor and lock in place with the hair pin cotter (C).



**CHOKE SOLENOID**

**STEP II - INSTALL STARTER MOTOR**

Bolt the electric starter motor in place. A clearance of approximately .025 must be maintained where the flywheel gear and the starter Bendix gear mesh, to allow proper backlash. This clearance is built in on the 1956 models, but a feeler gauge should be used and spacing washers inserted as required on the 1955 model.

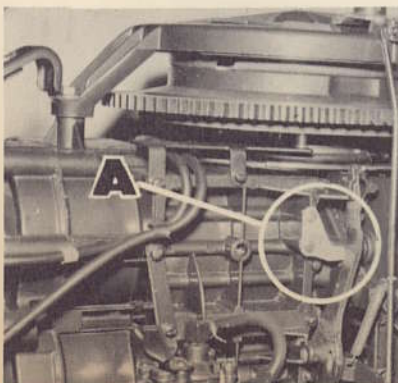
On the 1955 model and on some of the 1956 model 30 HP motors, the outer housing to powerhead connection is a vertical, tapped hole. On these models, a spacer (Part #3665-4125), a shim (Part #497-4338), and a special bolt (Part #3665-5878) are used to connect the outer housing to the powerhead in a vertical direction. These parts are included in this kit, but are not used on the 33 HP, nor on most 1956 model 30 HP motors, which are fastened to the powerhead by three horizontally placed bolts.

**STEP III - INSTALL LIMIT SWITCH**

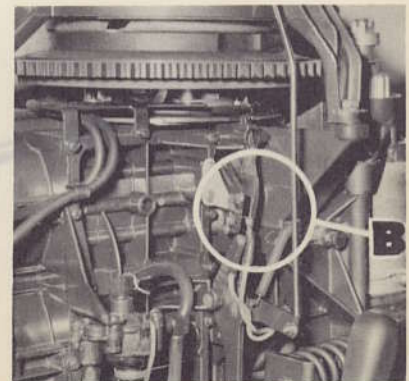
If the shift limit beam on the motor has two small tapped holes, attach PLATE (A) to the powerhead with the two screws, (3655-6028). Attach the LIMIT SWITCH (B) to the shift limit beam with the two screws (3655-5829). Attach wires as shown (over).

The proper setting for the switch is achieved when you can hear the switch actuator "click" when shifting from Neutral to Forward or Reverse.

Should adjustment be necessary, bend plate (A) in the proper direction.



**PLATE MOUNTING**

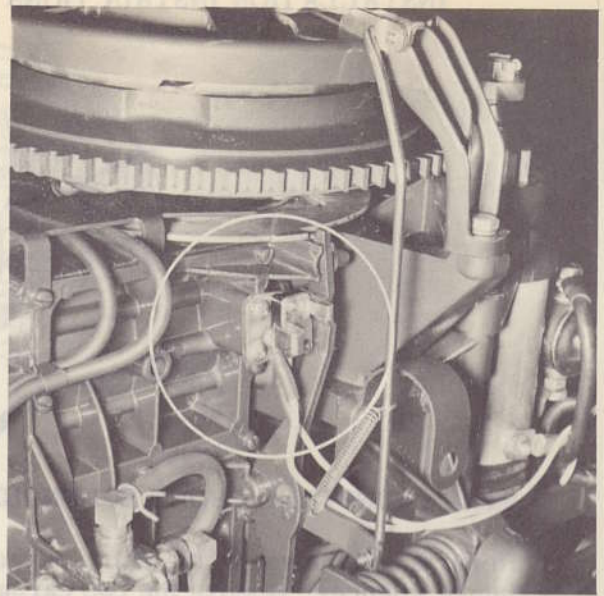


**SWITCH MOUNTING**



### STEP III - INSTALL LIMIT SWITCH (Continued)

If the shift limit beam on the motor does not have two small tapped holes, place shift handle in NEUTRAL position, set the limit switch in place on the powerhead and tighten the two mounting screws to a snug fitting only, as shown at right. The proper setting for the switch is reached (moving switch fore or aft) when you can hear the switch actuator "click" when shifting from Neutral to Forward or Reverse. At this point, tighten the two switch-mounting screws.



LIMIT SWITCH

### STEP IV - PANEL ASSEMBLY

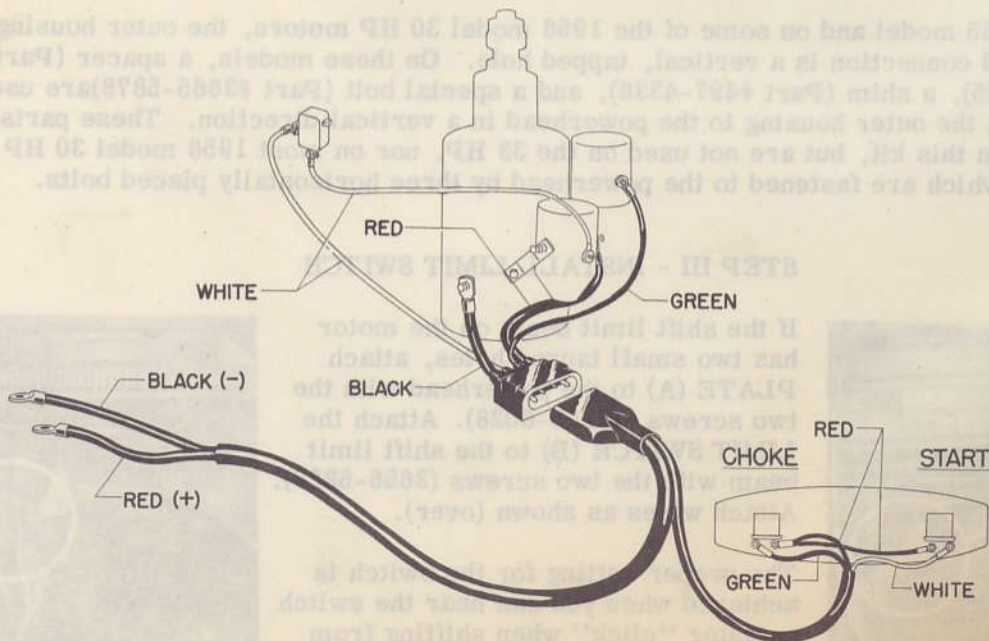
The START and CHOKE switches are identical. Remove the chrome nut from the front of the switch, set the switch in place on the panel - replace the chrome nut on the front, and tighten the locking nut at the back of the panel. It is advisable to have the terminals on the switches pointing down. This will lessen the moisture accumulation on the terminals.

### STEP V - CONNECTOR ASSEMBLY

Attach the connector bracket to the handle, with the two screws and washers. Place the connector receptical and top plate on the bracket, and insert the four mounting screws.

### STEP VI - CONNECT HOOK-UP WIRES

The simple color-coded diagram below shows complete wiring arrangement. The only loose wire is the short WHITE lead connecting the bottom terminal on the limit switch to the outside terminal of the starter solenoid.

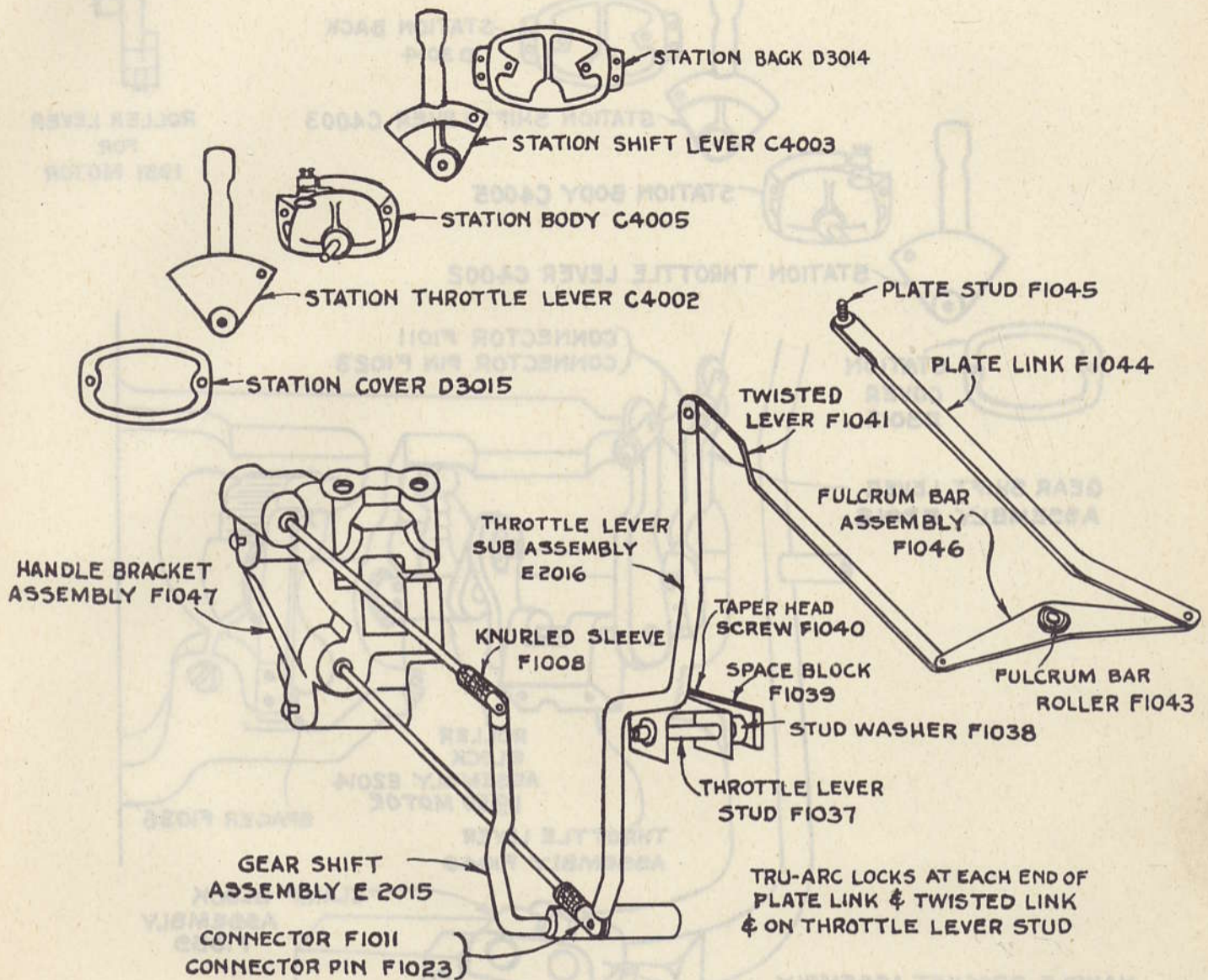


WIRING DIAGRAM

Refer to the parts catalog for individual part numbers and assemblies.



PARTS FOR 518-4675 REMOTE SHIFT AND SPEED CONTROL  
SCOTT-ATWATER 7 1/2 AND 10 HP MOTORS

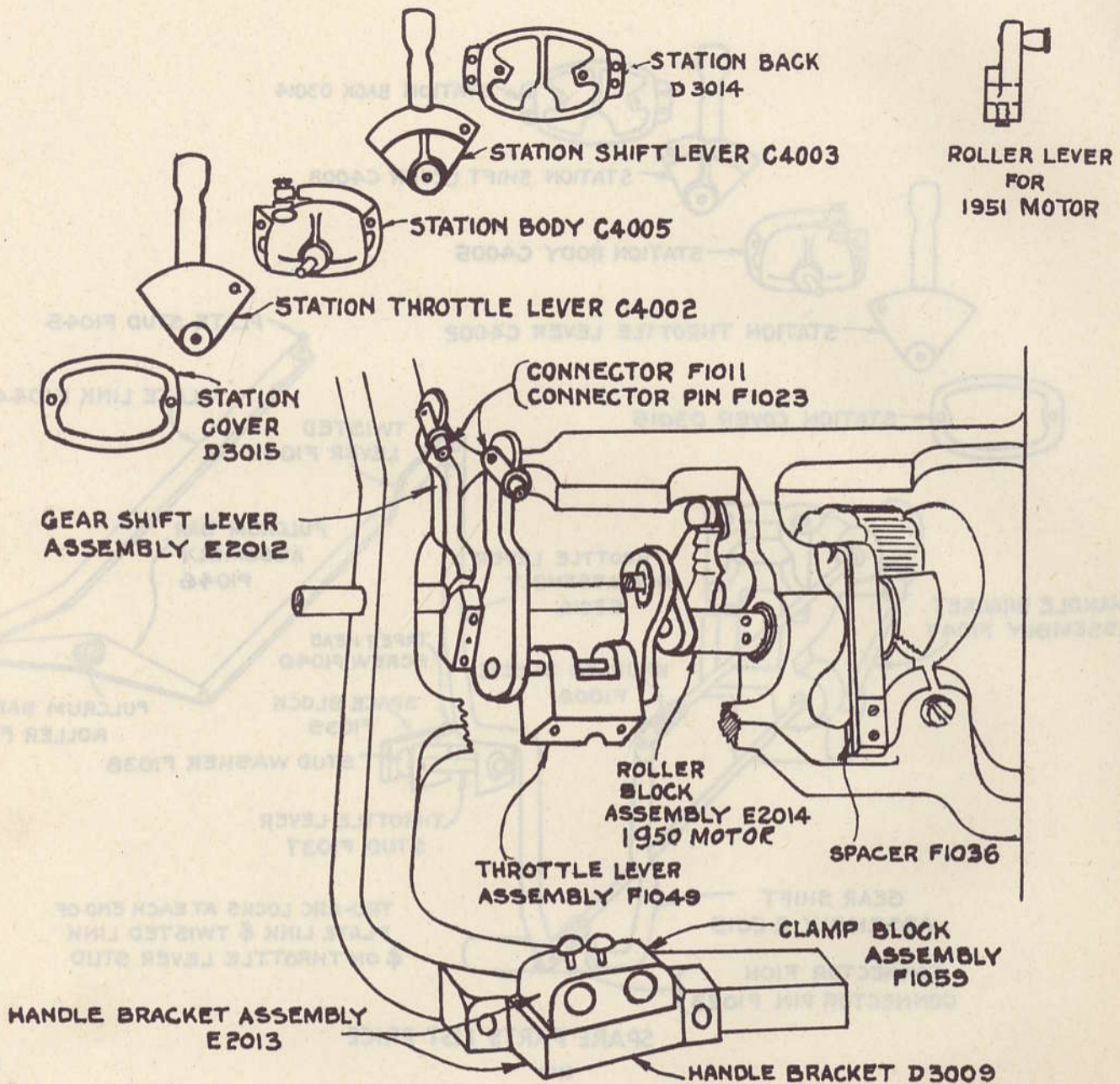


SPARE PARTS LIST PRICE

	EACH		EACH		
C4001	Station and Control Cable Assembly	\$31.20	F1047	Handle Bracket Assembly	\$3.60
A6000	Station Assembly	15.00	E2015	Gear Shift Lever Assembly	3.60
D3014	Station Back	2.40	D3013	Throttle Lever Assembly	9.60
C4003	Station Shift Lever	3.75	E2016	Throttle Lever Sub-Assembly	4.20
C4005	Station Body	6.60	F1051	Space Block Assembly	2.00
C4002	Station Throttle Lever	3.75	F1039	Space Block	.85
D3015	Station Cover	2.10	F1037	Throttle Lever Stud	.60
E2017	Control Cable Assembly (10 ft.)	8.15	F1038	Stud Washer	.25
E2008	Control Cable (10 ft.)	7.80	F1040	Taper-head Screw	.35
F1008	Knurled Sleeve	.35	F1041	Twisted Link	.70
	Misc. extra Screws	.10	F1046	Fulcrum Bar Assembly	2.40
	Misc. extra nuts and washers	.05	F1043	Fulcrum Bar Roller	.25
			F1044	Plate Link	.85
			F1045	Plate Stud	.60
			F1011	Connector and Pin (F1023)	.60
				Tru-Arc Locks	.10



PARTS FOR 509-4675 REMOTE SHIFT AND SPEED CONTROL  
SCOTT-ATWATER 16 HP MOTORS



SPARE PARTS LIST PRICE

		EACH		EACH
C4001	Station and Control Cable Assembly	\$31.20	E 2013	Handle Bracket Assembly
A6000	Station Assembly	15.00	D3009	Handle Bracket
D3014	Station Back	2.40	F1059	Clamp Block Assembly
C4003	Station Shift Lever	3.75	E 2012	Gear Shift Lever Assembly
C4005	Station Body	6.60	F1049	Throttle Lever Assembly
C4002	Station Throttle Lever	3.75	E 2014	Roller Block Assembly
D3015	Station Cover	2.10	F1036	Spacer
E 2017	Control Cable Assembly (10 ft.)	8.15	F1035	Template (Throttle Lever Assembly)
E 2008	Control Cable (10 ft.)	7.80	F1011	Connector and Pin (F1023)
F1008	Knurled Sleeve	.35		Misc. extra Screws
				Misc. extra nuts and washers

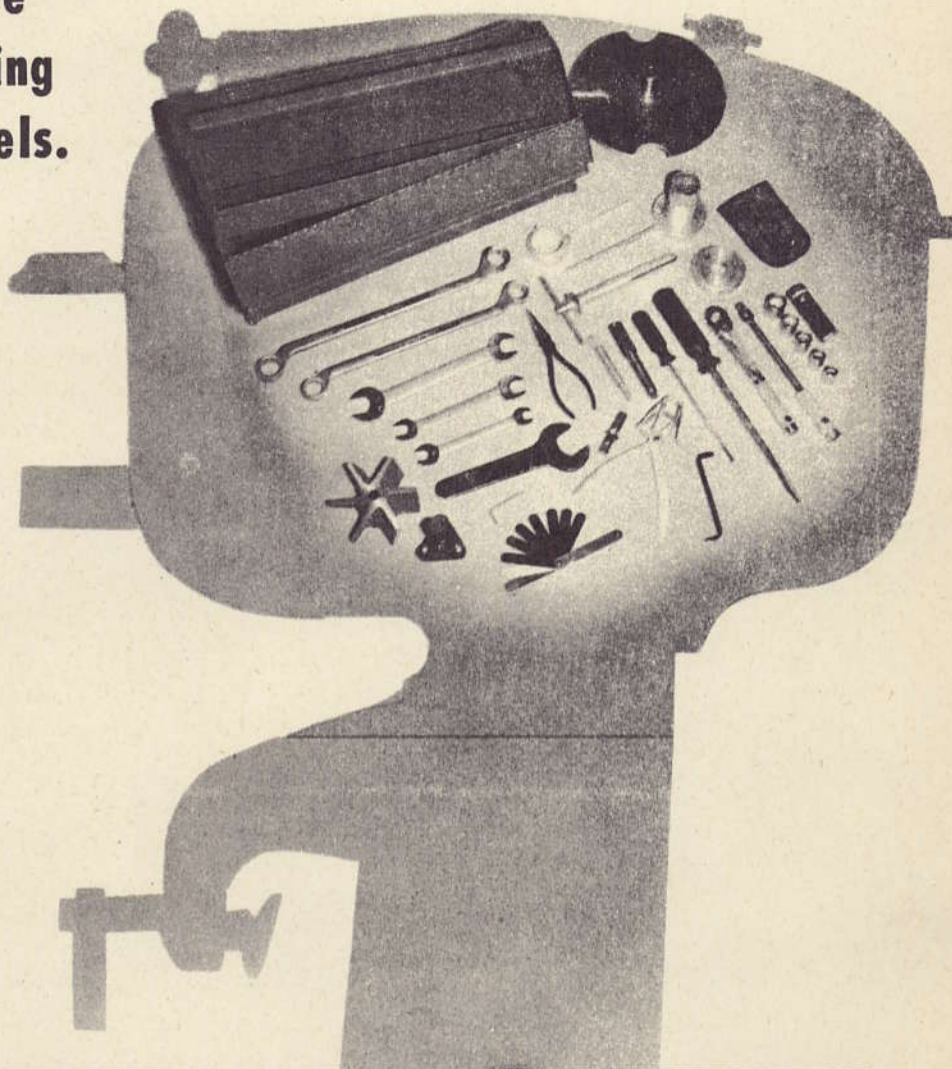


# The heart of outboard sales is service!

And here's the complete set of tools for servicing all Scott-Atwater models.

It's a proven fact! Service builds sales! Here's the new, inexpensive dealer's tool kit that's really the thing for your service department. This one small kit provides all the tools necessary to service all Scott-Atwater models built since 1946 including the 1-30. It's a \$57.50 value but costs you only \$42.50 net. Order A52-617

**\$42 50**



6" Needle Nose Pliers  
8" Plastic Handle Screwdriver  
6" Plastic Handle Screwdriver  
6" Angle Screwdriver  
7/16" Socket Wrench  
1/2" Socket Wrench  
9/16" Socket Wrench  
5/8" Socket Wrench  
3/4" Socket Wrench  
7/16" x 1/2" Open End Wrench  
9/16" x 5/8" Open End Wrench  
3/4" x 7/8" Open End Wrench  
7/8" x 13/16" Box End Wrench  
1" x 15/16" Box End Wrench  
13/16" Spark Plug Socket Wrench

10" Swivel Handle  
8" Ratchet Handle  
Large Tool Box  
Flywheel Puller  
Small Test Tank Propeller  
16 H.P. Test Tank Propeller  
Set Bristol Wrenches  
Complete Lower Unit Tool Set - 16 H.P.  
Starter Centering Pin  
Piston Ring Expander Tool  
Prop. Torque Wrench Adaptor  
Piston Pin Remover thru 7½ H.P.  
Piston Pin Remover 10 & 16 H.P.  
1-1/4" Engineer's Wrench  
9-Blade Thickness Feeler Gauge

Place your order for this kit (A52-617) directly with your distributor or their representative

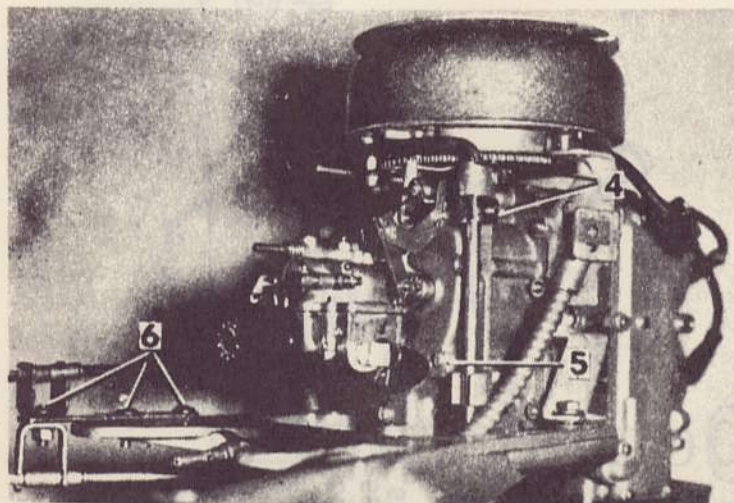
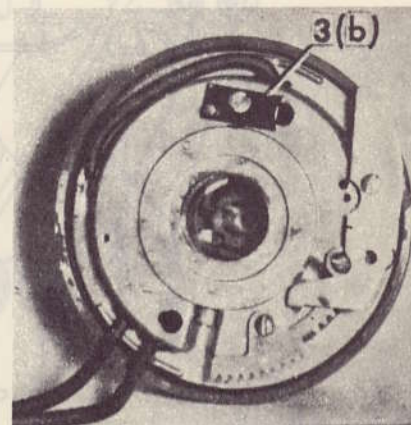


## REMOTE CONTROL INSTALLATION INSTRUCTIONS

For: 1953 7½ and 10 HP Motors

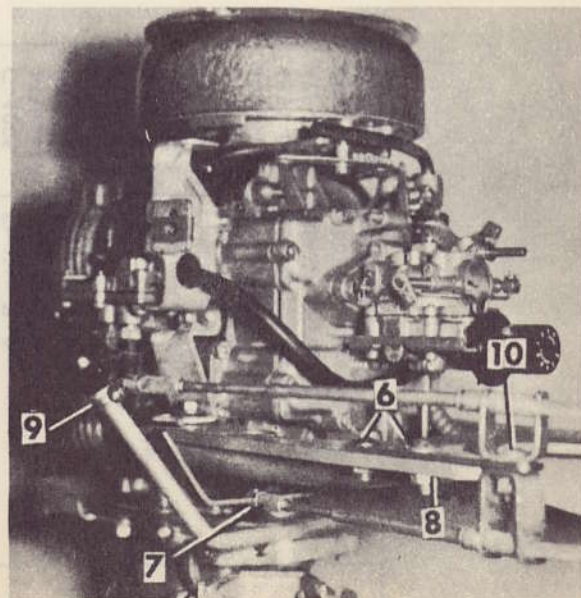
3845-4675

1. Remove both shrouds, the starter and center band assembly and the flywheel.
2. Disconnect the twist grip flexible shaft from the small gear by driving out the pin and remove the gear after lifting the stator plate. Loosen the friction plug to release the plate. Bend the flexible shaft out of its guide and slide it to the side.
3. (a) On 10 hp motors, remove the stator plate and tap a ¼-20 thread in the hole furthest forward of the two holes on the starboard side of the magneto. Install the special threaded stud and replace the magneto.  
(b) On 7½ hp motors, install the special adaptor as shown on the illustration using the short flat head screw.



4. Install the Speed Control Rod, Bearing Washer and Set Collar as indicated. Place the free end of the link on the stator plate stud and attach with the arc lock.
5. Install the Lower Rod Guide using the manifold screw just above the U shaped bracket. Use the spacer and the long screw for the 7½ hp models and the thin washer only on the 10 hp models.
6. Hold the cable bracket assembly in place on the handle casting as shown at No. 6, with ⅛-inch clearance between the lower bracket and the end of the casting, then mark and drill two ¼-inch holes. Fasten the assembly in place with the shorter bracket on top using the oval head screws supplied.

7. Rotate the cable from the inboard handle on the control station into the lower bracket. Drop the ball on the end of the cable into the socket on the Speed Control Lever clevis and screw the knurled sleeve against the clevis shoulder.
8. With the stator plate retarded to the "Stop" position and with the cable extended all the way, slide the collar end of the lever on the end of the Speed Control Rod. Tighten the set screw making sure the lever clears the cap screw holding the handle casting. If there is a tendency for the lever to slip on the rod when working the control handle, file a flat surface on the rod and tighten the set screw securely on the flat. Adjust the stator plate friction plug to a point where desirable drag is felt at the control station.
9. Remove the shift knob by tapping it off, or unscrew it if round. Slide the clamp and clevis assembly on the rod, replace the knob and tighten the clamp directly below the knob as shown. Rotate the second cable in the top bracket and fasten to the clevis on the shift handle as before.
10. Check to see that the two cable brackets line up the cable with their respective clevises. If not, rotate them into position and tighten the screw securely.
11. Replace the flywheel, starter and shrouds.









## INSTALLATION INSTRUCTIONS

### and parts list

For Remote Gear Shift and Throttle Control

SCOTT-ATWATER 7 1/2 - 10 HP Motors for 1953

1845-4675

1. Remove port and starboard shrouds.
2. From the center of hex head cap screw which passes through the rubber shock mount into the support, measure 1 7/16 inches and make a mark on the outer edge of the support bracket. Also mark at 6 3/16 inches. Replace starboard shroud and transfer the 1 7/16" mark to the shroud. This mark is the center line of a small cutout for clearance around the throttle lever. Again remove shroud.
3. Remove cap screw mentioned above and cut out the rubber flush with the top of the support bracket stamping, after removing aluminum sleeve from its hole.
- 4A. (For 10 HP ONLY) Throttle control assembly comes assembled to be used on the 10 HP unit. It is only necessary to drive out the large locating lug on the stator plate adaptor and rivet over the small locating lug and attach adaptor to stator plate using self tapping hex screw supplied. A little grease on the self tapping screw will assist greatly in driving it home.
- 4B. (for 7 1/2 HP ONLY) Drive out the small locating lug on the stator plate adaptor. Rivet over large lug and change link to the other hole. Also band throttle fulcrum. Do not use sharp radius bands as they could cause fracture. To assemble adaptor to stator plate, use #10 Filistar head screw 3/8" long.
5. Attach the throttle linkage support. Use the rubber shock mount and sleeve supplied. Tie gas hose so it will not rub against any throttle control parts.
6. Attach casing bracket Part No. D-3022, after filing locating notch in the support at the 6 3/16" mark. When securing casing bracket clamp, distort metal stamping when tightening screw so that bottom of screw head is flat against clamp. Use the 1" Filister head screw and shakeproof washer supplied and the two #10 round head screws, the #10 flat washers and #10 Lock washers.
7. Attach gear shift lever adaptor. NOTE: Motors with round ball, the knob screws off, the aluminum knob drives off. Install shift adaptor against the bottom of the knob.
8. Remove all drag from the stator plate by unscrewing its adjustment on the side. Feel stator plate with fingers with a rocking motion and retighten adjusting screw just sufficiently to prevent stator plate from rocking. NOTE: Too much rocking of the stator plate can cause erratic magneto point opening.
9. Attach throttle station to some secure point and connect to motor. NOTE: Hold cable ends in a vertical position. Insert into lever holes and snap into their sockets. It may be necessary to band the lever slightly to allow full throw; however when doing so, grip the cross shaft securely so no change can be done to the gear shift linkage.



10. Operate throttle lever, but do not force. Distinct restriction points will be felt at two positions of the throttle lever-one when retarding and one when advancing. File the two gear teeth. However, first be sure gear section on stator plate is adjusted as close as possible to its mating gear and slide off the flexible shaft temporarily, and hold pressure with the fingers on the mating gear. This will isolate the restriction point of the gears from the friction caused in the twist grip. After removing these restriction points by filing, reconnect flexible shaft. If there is any appreciable drag in the throttle control operation it will be found in the twist grip. In especially bad cases of friction, it may be necessary to give the twist grip more clearance by scraping. After you are satisfied with your control's operation, lubricate linkage points with Lubriplate 130 A or its equivalent available at most marine dealers.

11. Note: Do not force gear shift when motor is stopped. Lubricate thoroughly the gear shift lookout sleeve on lower unit, especially the taper in the twist grip handle.

12. Cut a notch in the starboard shroud. Install both shrouds. Screw throttle station to desirable position in boat and now lets have fun!

#### PARTS LIST FOR 1845-4675

C-4002 Station Throttle Lever	F-1104 Arm
C-4003 Station Shift Lever	F-1105 Plate Link
C-4005 Station Body	F-1106 Throttle Link
D-3014 Station Back	F-1107 Throttle Shaft
D-3015 Station Cover	F-1108 Throttle Stud
E-2051 Control Cable Assembly 7' to 20'	F-1109 Location Lug (10 HP)
D-3021 Support Bracket	F-1110 Location Lug (7 1/2 HP)
D-3022 Casing Bracket	F-1111 Stator Plate Adapter
E-2048 Throttle Lever	F-1112 Ball Retaining Spring
E-2049 Gear Shift Lever Adapter	F-1113 Location Lug Support Bracket
E-2050 Throttle Fulcrum	F-1114 Location Pin-Casing Bracket
F-1102 Casing Bracket Clamp	F-1115 Rubber Shock Mount
F-1103 Connector	F-1116 Shock Mount Sleeve

#### HARDWARE

2 10/24x1/8 Round Head Screws	1 #14 Hex Head Self Tapping Screw
2 #10 Flat Washers	1 1/4" Lock Washer
3 #10 Lockwashers	4 5133-15 Truarc Locks (Links)
1 1/4-20x1" Filister Head Screw	1 5133-31 Truarc Lock (Stud)
1 10-24x3/4 Round Head Screw	2 1/8 x 3/4 Roll Pins
1 10-24x3/8 Filister Head Screw	

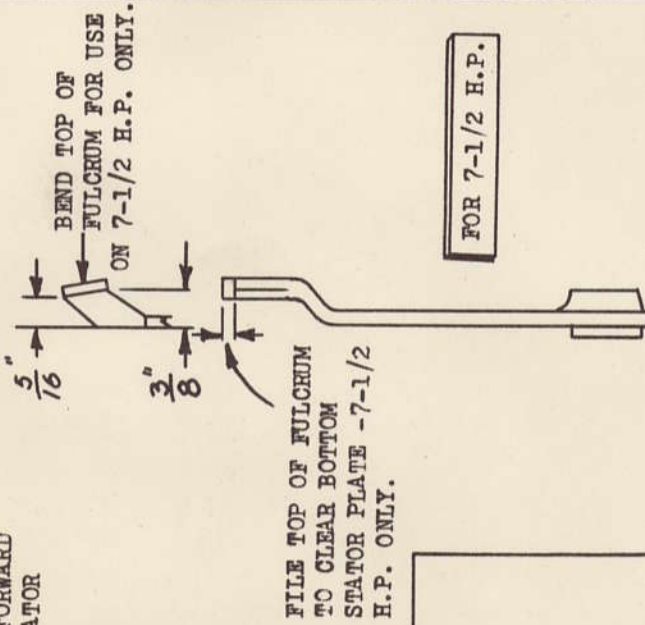


1953 REMOTE GEAR SHIFT AND THROTTLE CONTROL - 7-1/2 & 10 HP 1845-4675

USE 10-24x3/8" FI. HD. SCR. here

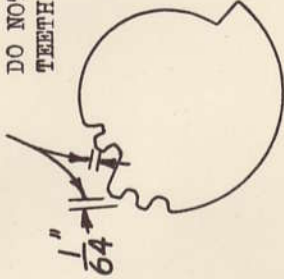
ASSEMBLE AS SHOWN FOR USE ON 7-1/2

INSERT IN FORWARD HOLE IN STATOR PLATE.



FILE MATING GEAR AS SHOWN TO ELIMINATE RESTRICTION POINTS ON THROTTLE

DO NOT REMOVE MORE FROM TEETH THAN NECESSARY.



F1109-DRIVE OUT ON 7-1/2 HP.

F1110-DRIVE OUT ON 10 HP.

F1105

F1111

SELF TAPPING SCREW USE ON 10 H.P.

E2050

E2048

5133-15 LOCKS AT FOUR POINTS

F1108

D3021

F1115

SHOCK MOUNT

F1106

F1104

D3022

F1114

FORWARD STARBOARD SIDE.

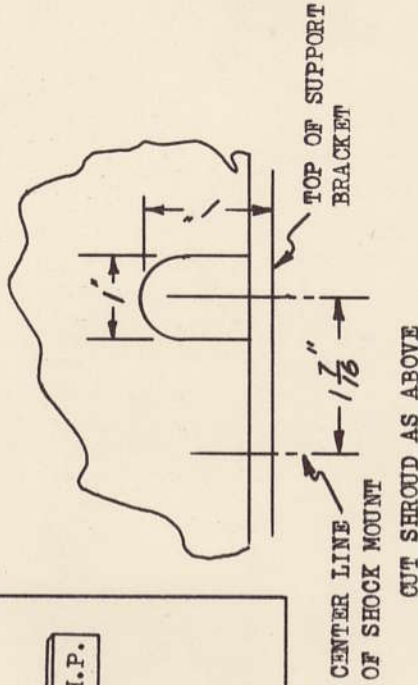
#10-24 RD. HD. SCR.  
#10- LOCK WASHER  
#10- FLAT WASHER.

CUT SHOCK MOUNT FLUSH HERE.

6" / 16

SCRIBE ON SUPPORT BRACKET AND TRANSFER TO SHROUD.

FILE GROOVE IN SUPPORT BRACKET AT THIS POINT FOR LOCATING PIN.



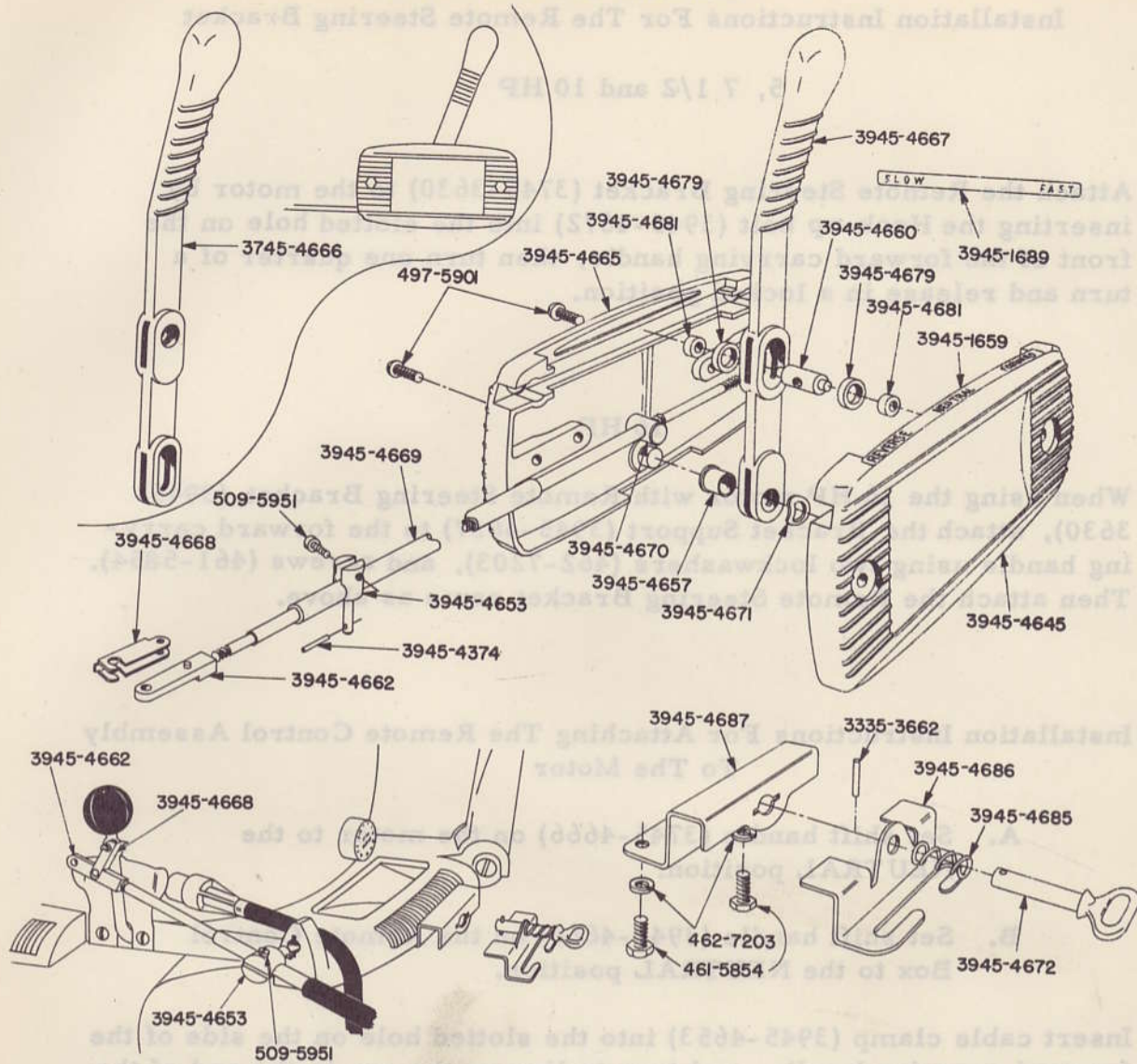
ROUND BALLS UNSCREW\*OTHERS DRIVE OFF.

SUPPORT BRACKET.



# REMOTE CONTROL INSTALLATION INSTRUCTIONS

## BAIL-A-MATIC MODELS



Part Number	Description
3945-1659	Decal - Remote Shift
3945-1689	Decal - Speed Indicator
3335-3662	Roll Pin
3945-4374	Roll Pin
3945-4645	Remote Control Box
3945-4653	Clamp
3945-4657	Bushing
3945-4660	Pin
3945-4662	Cable-end Bar
3945-4665	Cover - Remote Control Box
3745-4666	Lever
3945-4667	Lever
3945-4668	Spring Clip

Part Number	Description
3945-4669	Remote Control Cable
3945-4670	Pivot Pin
3945-4671	Washer
3945-4672	Hook-up Bolt
3945-4679	Roller
3945-4681	Roller
3945-4685	Spring
3945-4686	Remote Steering Bracket
3945-4687	Bracket Support
461-5854	Screw
497-5901	Screw
509-5951	Screw
462-7203	Lockwasher



## Installation Instructions For The Remote Steering Bracket

5, 7 1/2 and 10 HP

Attach the Remote Steering Bracket (3745-3630) to the motor by inserting the Hook-up bolt (3945-4672) into the slotted hole on the front of the forward carrying handle, then turn one quarter of a turn and release in a locked position.

16 HP

When using the 16 HP motor with Remote Steering Bracket, (3945-3630), attach the Bracket Support (3945-4687) to the forward carrying handle using two lockwashers (462-7203), and screws (461-5854). Then attach the Remote Steering Bracket same as above.

## Installation Instructions For Attaching The Remote Control Assembly To The Motor

- A. Set shift handle (3745-4666) on the motor to the NEUTRAL position.
- B. Set shift handle (3945-4666) on the Remote Control Box to the NEUTRAL position.

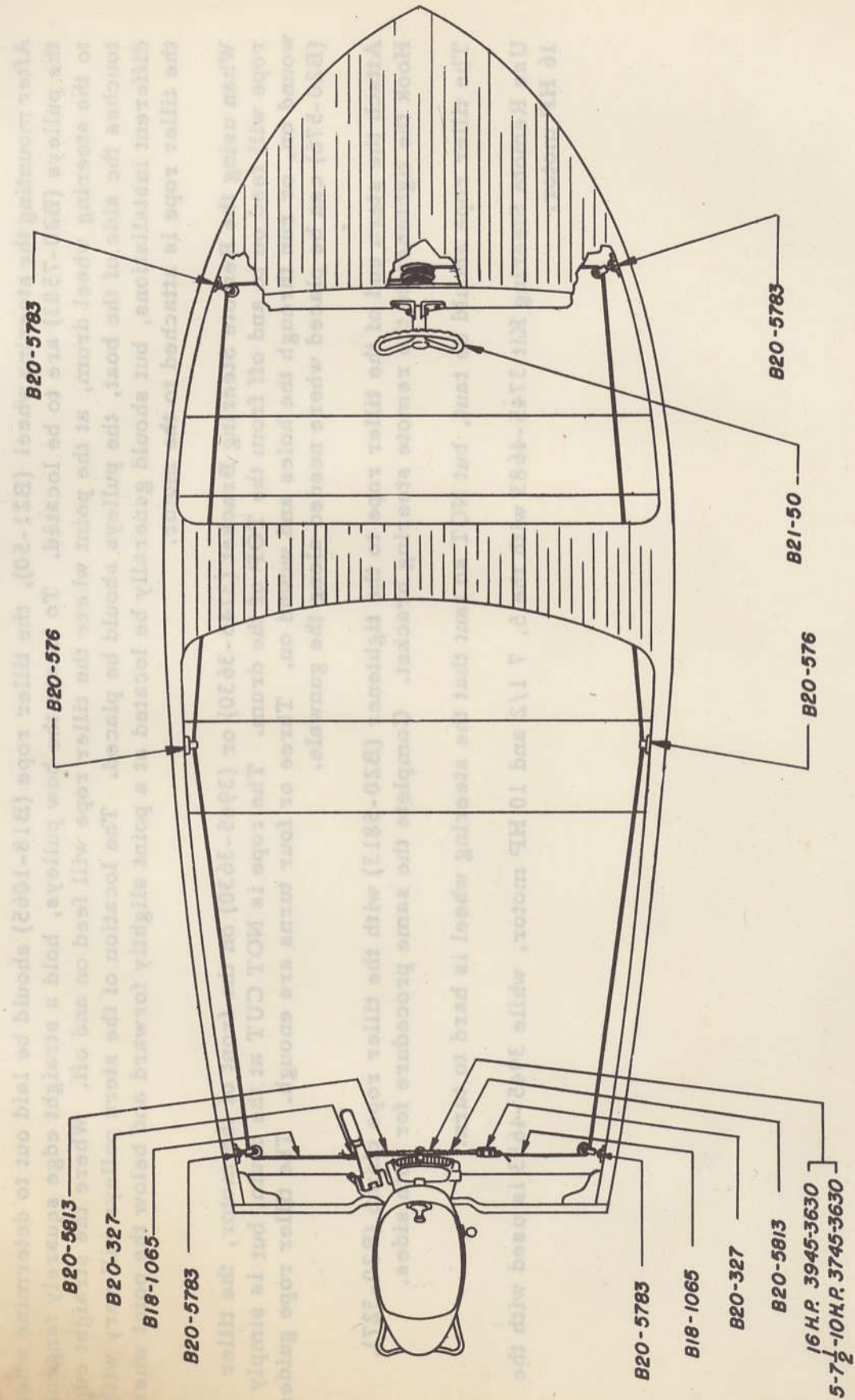
Insert cable clamp (3945-4653) into the slotted hole on the side of the forward carrying handle, and turn to line up the eye in the end of the cable. Slide the cable end bar (3945-4662) onto the extended pin of the shift handle and close the locking spring (3945-4668) over the bar. Check the shift for full travel, then tighten the clamp screw (509-5951) securely.

- C. Attach the Remote Speed Control Cable to the opposite side of the motor, incorporating the same procedure as shown above.



# INSTALLATION INSTRUCTIONS, REMOTE STEERING KIT

## BAIL-A-MATIC MODELS









## SCOTT-ATWATER SPECIFICATIONS

MODEL	YEAR	NO. CYLS.	BORE & STROKE	H.P.	R.P.M.	SPARK PLUG
461 & 467	1946	1	2 1/8 x 1 3/4	3.5	4000	Champion H-10J
470 & 471	1947	1	2 1/8 x 1 3/4	3.5	4000	H-10J
473	1947	2	2 x 1 3/4	7.5	4200	H-10J
480 & 481	1948	1	2 1/8 x 1 3/4	3.6	4000	H-10J
483	1948	2	2 x 1 3/4	7.5	4200	H-10J
491	1949	1	2 1/8 x 1 3/4	4.0	4200	H-10J
497	1949	2	1 11/16x1 43/64	5.0	4200	H-10J
493	1949	2	2 x 1 3/4	7.5	4200	H-10J
500	1950	1	2 1/8 x 1 3/4	3.6	4000	H-10J
501	1950	1	2 1/8 x 1 3/4	4.0	4200	H-10J
507	1950	2	1 11/16x1 43/64	5.0	4200	H-10J
503	1950	2	2 x 1 3/4	7.5	4200	H-10J
518 (1-25MPH)	1950	2	2 1/8 x 2	10.0	4200	H-10J
509 (1-30MPH)	1950	2	2 11/32x 2 5/16	16.0	4200	H-10J
510 (1-12MPH)	1951	1	2 1/8 x 1 3/4	3.6	4000	H-10J
511 (1-14MPH)	1951	1	2 1/8 x 1 3/4	4.0	4200	H-10J
517 (1-16MPH)	1951	2	1 11/16x1 43/64	5.0	4200	H-10J
513 (1-20MPH)	1951	2	2 x 1 3/4	7.5	4200	H-10J
5180 (1-25MPH)	1950	2	2 1/8 x 2	10.0	4200	H-10J
519 (1-30MPH)	1951	2	2 11/32x 2 5/16	16.0	4200	5MJ
3025	1952	1	2 1/8 x 1 3/4	3.6	4000	H-10J
3725 (1-16 Shift)	1952	2	1 11/16x1 43/64	5.0	4200	H-10J
3325 (1-20Shift)	1952	2	2 x 1 3/4	7.5	4200	H-10J
3825 (1-25 Shift)	1952	2	2 1/8 x 2	10.0	4200	HT-10J
3925 (1-30 Shift)	1952	2	2 11/32x 2 5/16	16.0	4200	H-10J
3035 (1-12)	1953	1	2 1/8 x 1 3/4	3.6	4000	H-10J
3735	1953	2	1 11/16x1 43/64	5.0	4200	H-10J
3335	1953	2	2 x 1 3/4	7.5	4200	H-10J



SCOTT-ATWATER SPECIFICATIONS (continued)

MODEL	YEAR	NO. CYLS.	BORE & STROKE	H.P.	R.P.M.	SPARK PLUG
						Champion
3835	1953	2	2 11/64 x 2	10 0	4200	HT-10J
3935	1953	2	2 11/32 x 2 5/16	16.0	4200	5MJ
3045	1954	1	2 1/8 x 1 3/4	3.6	4000	H-10J
3745	1954	2	1 11/16 x 1 43/64	5.0	4200	H-10J
3345	1954	2	2 x 1 3/4	7.5	4200	H-10J
3845	1954	2	2 11/64 x 2	10.0	4200	HT-10J
3945	1954	2	2 11/32 x 2 5/16	16.0	4200	5MJ
3055	1955	1	2 1/8 x 1 3/4	3 6	4000	H-10J
3755	1955	2	1 11/16 x 1 43/64	5.0	4200	H-10J
3355	1955	2	2 x 1 3/4	7.5	4200	H-10J
3855	1955	2	2 11/64 x 2	10.0	4200	HT-10J
3955	1955	2	2 11/32 x 2 5/16	16.0	4200	5MJ
3655	1955	2	3 1/16 x 2 3/4	30 0	4200	J6J
3065	1956	1	2 1/8 x 1 3/4	3.6	4000	H-10J
3765	1956	2	1 11/16 x 1 43/64	5.0	4200	H-10J
3365	1956	2	2 x 1 3/4	7.5	4200	H-10J
3865	1956	2	2 11/64 x 2	10 0	4200	HT-10J
3965	1956	2	2 11/32 x 2 5/16	16.0	4200	5MJ
3665	1956	2	3 1/8 x 2 3/4	33 0	4200	J6J
3075	1957	1	2 1/8 x 1 3/4	3 6	4000	H-10J
3775	1957	2	1 11/16 x 1 43/64	5.0	4200	H-10J
3375	1957	2	2 x 1 3/4	7.5	4200	H-10J
3875	1957	2	2 11/64 x 2	10.0	4200	HT-10J
3975	1957	2	2 11/32 x 2 5/16	16.0	4200	5MJ
3675	1957	2	3 1/8 x 2 3/4	40 0	4800	J6J
3675-5 (Royal Scott)	1957	2	3 1/8 x 2 3/4	40.0	4800	J6J



CLEARANCE SPECIFICATIONS

MODEL	AT SKIRT CYL. & PISTON	UPPER	CRANKSHAFT CENTER	LOWER	CONNECTING ROD PIN END	UPPER	DRIVESHAFT UPPER	LOWER	GEAR HOUSING CAP	PROP ON SHAFT
461 & 467	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
470 & 471	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
473	0021-.0036	0005-.0025	001-.003	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
480 & 481	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
483	0021-.0036	0005-.0025	001-.003	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
491	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
497	002-.0035	Roller	001-.003	Roller	001-.00025	001-.0025	Roller	Roller	001-.002	0015-.0045
493	0021-.0036	0005-.0025	001-.003	0005-.0025	001-.00025	001-.0025	Roller	Roller	001-.002	0015-.0045
500	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
501	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	Roller	Roller	001-.002	0015-.0045
507	002-.0035	Roller	001-.003	Roller	001-.00025	001-.0025	Roller	Roller	001-.002	0015-.0045
503	0021-.0036	0005-.0025	001-.003	0005-.0025	001-.00025	001-.0025	Roller	Roller	001-.002	0015-.0045
518 & 5180	0015-.003	Roller	0015-.0035	Roller	001-.0003	Roller	Roller	Roller	001-.002	0015-.0045
509	004-.0055	Roller	Roller	Roller	Needle	Roller	Roller	Roller	001-.002	0015-.0045
510	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045
511	002-.0035	0005-.0025	none	0005-.0025	001-.00025	Roller	Roller	Roller	001-.002	0015-.0045
517	002-.0035	Roller	001-.003	Roller	001-.00025	Roller	Roller	Roller	001-.002	0015-.0045
513	0021-.0036	0005-.0025	001-.003	0005-.0025	001-.00025	Roller	Roller	Roller	001-.002	0015-.0045
519 & 3925	004-.0055	Roller	Roller	Roller	Needle	Roller	Roller	Ball	001-.002	0015-.0045
3025	002-.0035	0005-.0025	none	0005-.0025	001-.00025	001-.0025	001-.0025	001-.0025	001-.002	0015-.0045



CLEARANCE SPECIFICATIONS (continued)

MODEL	AT SKIRT CYL. & PISTON	CRANKSHAFT UPPER - CENTER - LOWER	CONNECTING ROD PIN END	DRIVESHAFT UPPER	GEAR HOUSING LOWER	CAP	PROP ON SHAFT
3725	002-.0035	Roller	001-003	Roller	001-00025	Roller	
3325	0021-.0036	001-0025	0015-003	001-0025	001-00025	001-0025	Roller
3825	0015-.003	Roller	0015-.0035	Roller	001-0003	Roller	Roller
3035	002-.0035	0005-0025	none	0005-.0025	001-00025	001-0025	001-0025
3735	002-.0035	Roller	0015-003	Roller	001-00025	001-0025	Roller
3335	0021-.0036	0005-0025	001-003	0005-.0025	001-00025	001-0025	Roller
3835	0015-003	Roller	004-0055	Roller	001-0003	Roller	Roller
3935	004-.0055	Roller	Roller	Roller	001-0003	Roller	Roller
3045	002-.0035	0005-0025	none	0005-.0025	001-00025	001-0025	001-0025
3745	002-.0035	Roller	0015-003	Roller	001-00025	001-0025	001-0025
3345	0021-.0036	0005-0025	001-003	0005-.0025	001-00025	Roller	001-0025
3845	0015-.003	Roller	004-.0055	Roller	001-0003	Roller	Ball
3945	004-.0055	Roller	Roller	Roller	001-0003	Roller	Ball
3055	002-.0035	0005-0025	none	0005-.0025	001-00025	001-0025	001-0025
3755	002-.0035	Roller	004-.0055	Roller	001-00025	001-0025	001-0025
3355	0021-.0036	0005-0025	001-003	0005-.0025	001-00025	Roller	001-0025
3855	0015-.003	Roller	004-0055	Roller	001-0003	Roller	Ball
3955	004-.0055	Roller	Roller	Roller	001-0003	Roller	Ball
3655	005-.0065	Roller	Roller	Roller	0002-0008	0025-004	Roller
3065	002-.0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025

Interference



CLEARANCE SPECIFICATIONS (continued)

MODEL	AT SKIRT CYL. & PISTON		CRANKSHAFT CENTER		CONNECTING ROD PIN END		DRIVESHAFT UPPER		LOWER	GEAR HOUSING CAP		PROP ON SHAFT
	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER	UPPER	LOWER		UPPER	LOWER	
3725	002-0035		001-003	Roller	001-00025	Roller	Roller					
3325	0021-0036		0015-003	001-0025	001-00025	Roller	001-0025	Roller				
3825	0015-003		0015-0035	Roller	001-0003	Roller	Roller					
3035	002-0035		none	0005-0025	001-00025	001-0025	001-0025	Roller				0015-0045
3735	002-0035		0015-003	Roller	001-00025	Roller	001-0025	Roller				
3335	0021-0036		001-003	0005-0025	001-00025	Roller	001-0025	Roller				
3835	0015-003		004-0055	Roller	001-0003	Roller	Roller					
3935	004-0055		Roller	Roller	001-0003	Roller	Roller					
3045	002-0035		none	0005-0025	001-00025	001-0025	001-0025	Roller				0015-0045
3745	002-0035		0015-003	Roller	001-00025	Roller	001-0025	Roller				
3345	0021-0036		001-003	0005-0025	001-00025	Roller	001-0025	Roller				
3845	0015-003		004-0055	Roller	001-0003	Roller	Roller					
3945	004-0055		Roller	Roller	001-0003	Roller	Roller					004-0095
3055	002-0035		none	0005-0025	001-00025	001-0025	001-0025	Roller				0015-0045
3755	002-0035		004-0055	Roller	001-00025	Roller	001-0025	Roller				
3355	0021-0036		001-003	0005-0025	001-00025	Roller	001-0025	Roller				
3855	0015-003		004-0055	Roller	001-0003	Roller	Roller					
3955	004-0055		Roller	Roller	001-0003	Roller	Roller					001-0045
3655	005-0065		Roller	Roller	0002-0008 Interference	0025-004	Roller					0015-004 0027-0051
3065	002-0035		0005-0025	none	001-00025	001-0025	001-0025	Roller				0015-0045



CLEARANCE SPECIFICATIONS

MODEL	AT SKIRT		CRANKSHAFT		CONNECTING ROD		DRIVESHAFT		GEAR HOUSING		PROP ON SHAFT
	CYL. & PISTON	UPPER	CENTER	LOWER	PIN END	UPPER	LOWER	CAP	SHAFT		
461 & 467	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
470 & 471	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
473	0021-0036	0005-0025	001-003	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
480 & 481	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
483	0021-0036	0005-0025	001-003	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
491	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
497	002-0035	Roller	001-003	Roller	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
493	0021-0036	0005-0025	001-003	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
500	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
501	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
507	002-0035	Roller	001-003	Roller	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
503	0021-0036	0005-0025	001-003	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
518 & 5180	0015-003	Roller	0015-0035	Roller	001-0003	Roller	Roller	Roller	Roller	0015-0045	
509	004-0055	Roller	Roller	Roller	Needle	Roller	Roller	Roller	Roller	0015-0045	
510	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
511	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
517	002-0035	Roller	001-003	Roller	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
513	0021-0036	0005-0025	001-003	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	
519 & 3925	004-0055	Roller	Roller	Roller	Needle	Roller	Roller	Roller	Roller	0015-0045	
3025	002-0035	0005-0025	none	0005-0025	001-00025	001-0025	001-0025	001-0025	001-0025	0015-0045	



CLEARANCE SPECIFICATIONS (continued)

MODEL	AT SKIRT		CRANKSHAFT		CONNECTING ROD		DRIVESHAFT		GEAR HOUSING		PROP ON SHAFT
	CYL. & PISTON	UPPER	CENTER	LOWER	PIN END	UPPER	LOWER	CAP	SHAFT		
3765	.002-.0035	Roller	.004-.0055	Roller	.001-.00025	.001-.00025	.001-.0025	.001-.0025	.001-.005		
3365	.0021-.0036	.0005-.0025	.001-.003	.0005-.0025	.001-.00025	Roller	.001-.0025	.001-.0025	.001-.005		
3865	.0015-.003	Roller	.004-.0055	Roller	.001-.0003	Roller	Ball	.001-.005			
3965	.004-.0055	Roller	Roller	Roller	.001-.0003	Roller	Ball	.0035-.006	.001-.0055		
3665	.005-.0065	Roller	Roller	Roller	.0002-.0008 Interference	.0025-.004	Roller	.0015-.004	.0027-.0051		
3075	.002-.0035	.0005-.0025	none	.0005-.0025	.001-.00025	.001-.0025	.001-.0025	.001-.0025	.0015-.0045		
3775	.002-.0035	Roller	.004-.0055	Roller	.001-.00025	.001-.0025	.001-.0025	.001-.005			
3375	.0021-.0036	.0005-.0025	.001-.003	.0005-.0025	.001-.00025	Roller	.001-.0025	.001-.005			
3875	.0015-.003	Roller	.004-.0055	Roller	.001-.0003	Roller	Ball	.001-.005			
3975	.004-.0055	Roller	Roller	Roller	.001-.0003	Roller	Ball	.0035-.006	.001-.0055		
3675	.005-.0065	Roller	Roller	Roller	.0002-.00085 Interference	.0025-.004	Roller	.0015-.004	.0027-.0051		



CRANKSHAFT SIZE CHART

MODEL	PART NO.	TOP JOURNAL	CENTER JOURNAL	BOTTOM JOURNAL	CRANK PIN.
461,467,470,471					
480,481,491,500					
501,510,511,3025					
3035,3045,3055					
3065,3075	463-1851	.7505-.7495	none	.7818-.7808	.6301-.6296
473,483,493,503					
513	465-1851	.7505-.7495	.7600-.7590	.7705-.7695	.6301-.6296
497,507,517	497-1851	.8750-.8745	.8755-.8745	.7500-.7495	.6872-.6867
518	508-1851	.8750-.8745	.8750-.8745	.8750-.8745	.7503-.7498
509,519,3925 Early	509-1851	1.000-.9996	.9977-.9973	1.000-.9996	.7497-.7493
3725	3725-1851	.8750-.8745	.8755-.8745	.7500-.7495	.6872-.6867
3325	3325-1851	.7500-.7495	.7595-.7590	.7700-.7695	.6301-.6296
3825	3825-1851	.8750-.8745	.8750-.8745	.8750-.8745	.7498-.7493
3925 Late,3935 Early	3925-1851	1.000-.9996	1.000-.9996	1.000-.9996	.7497-.7493
3735,3745,3755					
3765,3775	3735-1851	.8750-.8745	.8750-.8745	.7500-.7495	.6301-.6296
3335,3345,3355					
3365,3375	3335-1851	.7505-.7495	.7660-.7590	.7705-.7695	.6301-.6296
3835,3845,3855					
3865,3875	3835-1851	.8750-.8745	.8750-.8745	.8750-.8745	.7498-.7493
3935 Late	3935-1851	1.000-.9996	1.000-.9995	1.000-.9996	.7498-.7493
3945,3955,3965					
3975	3945-1851	1.000-.9996	1.000-.9995	1.000-.9995	.7498-.7493
3655,3665	3645-1851	1.125-.1.1245	1.125-.1.1245	1.125-.1.1245	1.187-.1.1870
3675	3675-1851	1.125-.1.1245	1.125-.1.1245	1.125-.1.1245	1.1875-.1.1870







PARTS IDENTIFICATION SPECIFICATIONS

MODEL	DRIVESHAFT NUMBER	DRIVESHAFT LENGTH	PART NO.		MFG. NO.	CONDENSER	MFG. NO.	P. S. I. COMPRESSION
			BREAKER POINT	PART NO.				
461	463-2900	25 1/2 ± 1/32	463-113	X 5460-F	463-115	X 5463		
467	463-2900	25 1/2 ± 1/32	463-113	X 5460-F	463-115	X 5463		
467	463-2900	25 1/2 ± 1/32	470-113(Eis)	24-820	470-115	X 5463		
470	463-2900	25 1/2 ± 1/32	476-134 Phelon	F-307	476-115 Phelon	FR-216		
470	463-2900	25 1/2 ± 1/32	470-113 (Eis)	24-820	470-115(Eis)	FR-216		
471	463-2900	25 1/2 ± 1/32	470-113(Eis)	24-820	470-115(Eis)	FR-216		
473	465-2900	26 9/16 - 1/32	463-113	X 5460-F	463-115	X 5463		
480	480-2900	25 1/2 ± 1/32	463-113	X 5460-F	463-115	X 5463		
481	480-2900	25 1/2 ± 1/32	463-113	X 5460-F	463-115	X 5463		
483	483-2900	26 9/16 ± 1/32	463-113	X 5460-F	463-115	X 5463		
491	491-2900	25 7/16 ± .010	463-113	X 5460-F	463-115	X 5463		
497	491-2900	25 7/16 ± .010	463-113	X 5460-F	463-115	X 5463		
493	493-2900	26 19/32 ± .010	463-113	X 5460-F	463-115	X 5463		
500	480-2900	25 1/2 ± 1/32	463-113	X 5460-F	463-115	X 5463		
501	501-2900	25 7/16 ± .010	503-113	X 7120	463-115	X 5463		
507	501-2900	25 7/16 ± .010	463-113(early)	X 5460-F	463-115	X 5463		
507	501-2900	25 7/16 ± .010	503-113(late)	X 7120	463-115	X 5463		
503	503-2900	26 19/32 ± .010	503-113	X 7120	463-115	X 5463		
518	503-2900	26 19/32 ± .010	503-113(early)	X 7120	463-115	X 5463		



PARTS IDENTIFICATION SPECIFICATIONS (continued)

MODEL	DRIVESHAFT NUMBER	DRIVESHAFT LENGTH	PART NO.	BREAKER POINT MFG. NO.	PART NO.	CONDENSER		P. S. I. COMPRESSION
						MFG. NO.	MFG. NO.	
518	508-2900	26 9/16 ± .010	513-113(late)	X 7500	463-115	X 5463		
5180					463-115	X 5463		
509	509-2901,3,4,7	24.0 ± .010	503-113	X 7120	463-115	X 5463		
510	480-2900	25 1/2 ± 1/32	503-113	X 7120	463-115	X 5463		
511	501-2900	25 7/16 ± .010	513-113	X 7500	463-115	X 5463		
517	501-2900	25 7/16 ± .010	503-113(early)	X 7120	463-115	X 5463		
517	501-2900	25 7/16 ± .010	513-113(late)	X 7500	463-115	X 5463		
513	503-2900	26 19/32 ± .010	503-113(early)	X 7120	463-115	X 5463		
513	503-2900	26 19/32 ± .010	513-113(late)	X 7500	463-115	X 5463		
519	509-2901,6	24.0 ± .010	503-113	X 7120	463-115	X 5463		
3925	3925-2901,6	23 7/32 ± .020	509-113	X 7345	463-115	X 5463		
3025	480-2900	25 1/2 ± 1/32	513-113	X 7500	463-115	X 5463		
3725	3725-2901	25 35/64 ± .020	513-113	X 7500	463-115	X 5463		
	3325-2904,7	25 35/64 ± .040	513-113	X 7500	463-115	X 5463		
3325	3325-2901,4,7	25 31/64 ± .020	1355-134	FG-1573C	5010-115	FG-471B		
	3325-2901,4,7	25 31/64 ± .040	1355-134	FG-1573C	5010-115	FG-471B		
3825	508-2901	26 9/16 ± .010	513-113	X 7500	463-115	X 5463		
3035	480-2900	25 1/2 ± 1/32	1355-134	FG-1573C	5010-115	FG-471B		
3735	3735-2901	25 17/32	513-113	X 7500	463-115	X 5463		
3335	3335-2901	26 45/64	1355-134	FG-1573C	5010-115	FG-471B		
3835	3835-2901	26 7/32	513-113	X 7500	463-115	X 5463		



PARTS IDENTIFICATION SPECIFICATIONS (continued)

MODEL	DRIVESHAFT NUMBER	DRIVESHAFT LENGTH	PART NO.	BREAKER POINT		CONDENSER		P. S. I. COMPRESSION
				MFG. NO.	PART NO.	MFG. NO.		
3935	3935-2901	24 27/32 ± .010	509-113	X 7345	463-115	X 5463		
3045	480-2900	25 1/2 ± 1/32	1355-134	FG-1573C	5010-115	FG-471B		
3745	3745-2901	26 3/4	3845-113	X 7467	3745-115	X 9182		
3345	3345-2901	27 53/64	1355-134	FG-1573C	5010-115	FG-471B		
3845	3845-2901	27 1/2	3845-113	X 7467	3745-115	X 9182		
3945	3945-2901	24 27/32 ± .010	509-113	X 7345	3745-115	X 9182		
3055	480-2900	25 1/2 ± 1/32	1355-134	FG-1573C	5010-115	FG-471B	65-85	
3755	3745-2901	26 3/4	3845-113	X 7467	3745-115	X 9182	70-85	
3355	3345-2901	27 53/64	1355-134	FG-1573C	5010-115	FG-471B	65-85	
3855	3845-2901	27 1/2	3845-113	X 7467	3745-115	X 9182	100-115	
3955	3945-2901	24 27/32 ± .010	509-113	X 7345	3745-115	X 9182	90-105	
3655	3645-2901	29 9/16	3655-134	FG 2331	3655-115	FG-2111	100-115	
3065	480-2900	25 1/2 ± 1/32	1355-134	FG-1573C	5010-115	FG-471B	65-85	
3765	3745-2901	26 3/4	3845-113	X 7467	3745-115	X 9182	70-85	
3365	3345-2901	27 53/64	1355-134	FG-1573C	5010-115	FG-471B	65-85	
3865	3845-2901	27 1/2	3845-113	X 7467	3745-115	X 9182	100-115	
3965	3965-2901	27 31/32	509-113	X 7345	463-115	X 5463	90-105	
3665	3645-2901	29 9/16	3665-134	FG-2546	3655-115	FG-2111	100-115	
3075	480-2900	25 1/2 ± 1/32	1355-134	FG-1573C	5010-115	FG-471B	65-85	
3775	3745-2901	26 3/4	3845-113	X 7467	3745-115	X 9182	70-85	



**PARTS IDENTIFICATION SPECIFICATIONS (continued)**

MODEL	DRIVESHAFT NUMBER	DRIVESHAFT LENGTH	BREAKER POINT		CONDENSER		P.S.I. COMPRESSION
			PART NO.	MFG. NO.	PART NO.	MFG. NO.	
3375	3345-2901	27 53/64	1355-134	FG-1573C	5010-115	FG-471B	70-85
3875	3845-2901	27 1/2	3845-113	X7467	3745-115	X 9182	100-115
3975	3965-2901	27 31/32	509-113	X7345	463-115	X 5463	90-105
3675	3645-2901	29 9/16	3665-134	FG-2546	3675-115	FG-2727	105-120



DRIVE SHAFT USAGE AND DIMENSIONS

Model Usage	Drive Shaft Assy. No.	Dia.	Assy. Length	Lower D/S Number	Length	Upper D/S Number	Length	D/S Spring Number	Length	D/S Sleeve Number	Length	D/S Sub-Asy. No.	Length
L61	L63-2900	1/2	25 1/2	(Consists of L63-2901 shaft and L63-5103 cam)	"	"	"	"	"	"	"	"	"
L67	"	"	"	"	"	"	"	"	"	"	"	"	"
L70	"	"	"	"	"	"	"	"	"	"	"	"	"
L71	"	"	"	"	"	"	"	"	"	"	"	"	"
L73	L65-2900	1/2	26 9/16	(Consists of L65-2901 shaft and L63-5103 cam)	"	"	"	"	"	"	"	"	"
L80, L81, 500, 510													
3025, 3035, 3015													
3055, 3065													
L83	L80-2900	1/2	25 1/2	(Consists of L63-2901 shaft and L80-5103 cam)	"	"	"	"	"	"	"	"	"
L91, L97	L83-2900	1/2	26 9/16	(Consists of L65-2901 shaft and L80-5103 cam)	"	"	"	"	"	"	"	"	"
L93	L91-2900	1/2	25 7/16										
501, 507, 511, 517	L93-2900	1/2	26 19/32										
503, 513	501-2900	1/2	25 7/16	501-2901	6	501-2903	10 21/32	501-2907	10	501-2901	13 5/16	501-2906	16
509, 519	503-2900	1/2	26 19/32	501-2901	6	503-2903	11 13/16	501-2907	10	501-2901	13 5/16	503-2906	16
518	509-2900	.633	21 3/8	509-2901	10 3/16	509-2903	6	519-2907	9 15/16	509-2901	12 1/2	509-2906	16
3325	508-2900	1/2	26 9/16	508-2901	9 53/64	508-2903	7 61/64	501-2907	10	501-2901	13 5/16	508-2906	16
3725	None	1/2	26 9/16	3325-2901	9 53/64	None		3325-2907	16.28	3325-2901	16 15/16	None	16
3825	None	1/2	26 9/16	3725-2901	8 57/64	None		3325-2907	16.28	3325-2901	16 15/16	None	16
3925	3825-2900	.563	26 45/64	3925-2901	9 53/64	None		3825-2907	16.28	3825-2901	16 5/16	3925-2906	21 3/4
3335	3925-2900	.563	26 17/32										
3735	3335-2901	1/2	26 45/64										
3835	3735-2901	1/2	25 17/32										
3935	3835-2901	1/2	26 7/32										
3345, 3355, 3365, 3375	3935-2901	.563	21 27/32										
3745, 3775	3345-2901	1/2	27 53/64										
3845, 3855, 3865, 3875	3745-2901	1/2	26 3/4										
3945, 3955	3745-2901	1/2	26 3/4										
3655, 3665, 3675, 536	3845-2901	1/2	27 1/2										
3965, 3975	3845-2901	.563	21 27/32										
508-2	3645-2901	.623	29 9/16	508-2901	9 53/64	508-2-2903	13 61/64	501-2907	10	501-2901	13 5/16	508-2-2906	16
509-2	3645-2901	.623	29 9/16	508-2901	9 53/64	508-2-2903	13 61/64	501-2907	10	501-2901	13 5/16	508-2-2906	16
3655-2,	3665-2	.623	31 9/16	509-2901	10 3/16	509-2-2903	12	519-2907	9 15/16	509-2901	12 1/2	509-2-2906	16
3835-2	3835-2-2901	1/2	32 7/32										
3845-2	3845-2-2901	1/2	33 1/2										
3925-2	509-2-2900	.586	30 27/32	509-2901	10 3/16	509-2-2903	13 61/64	519-2907	9 15/16	509-2901	12 1/2	509-2-2906	16
3935-2	509-2-2900	.563	30 27/32										
509-1	509-1-2900	33/64	30 27/32	509-1-2901	8 1/8	509-1-2903	15					509-1-2906	16
3935-1	3935-1-2901	.563	30 27/32	509-1-2901	8 1/8	3935-1-2903	15 1/32					3935-1-2906	16 1/32



TORQUE METER READINGS

INCH POUNDS

Model Usage	Drive Shaft Assy. No.	Dia.	Assy. Length	Lower D/S Number	Length	Upper D/S Number	D/S Spring Number	D/S Sleeve Number	D/S Sub-Assy. No.	Length
39L5-2	39L5-2-2901	.563	30 27/32	(Firestone)						
L62	L62-2900	7/16	25 11/32	(Firestone)						
L911	L911-2900	1/2	25 5/16	(Firestone)						
L913	L913-2900	1/2	26 7/16	(Firestone)						
236,1136	236-2901	.623	31 9/16							
233	233-2901	1/2	32 53/64							
237	237-2901	1/2	31 3/4							
238	238-2901	1/2	32 1/2							
239,1139	239-2901	.563	32 31/32							

TORQUE READINGS FOR STANDARD SCREWS

SCREW SIZE	TIGHTENING TORQUE
8	
10	32-32
12	40-50
1/4	60-80
5/16	150-140
3/8	320-340
7/16	340-360



TORQUE METER READINGS

INCH POUNDS

<u>MODEL</u>	<u>FLYWHEEL NUT</u>	<u>CYL. HEAD BOLTS</u>	<u>ROD CAP SCREWS</u>	<u>CRANKCASE SCREWS</u>	<u>MAIN BEARING SCREWS</u>	<u>SPARK PLUG</u>
3.6 H.P.	468-528	60-84	70-80			240-260
5 H.P.	468-528	60-84	70-80			240-260
7.5 H.P.	468-528	96-144	70-80			240-260
10 H.P.	468-528	60-84	70-80			240-260
16 H.P.	468-528	96-144	120	60-84		260-280
30.33.40	888-1008	150-200	160	95-145	250-300	240-260

TORQUE READINGS FOR STANDARD SCREWS

<u>SCREW SIZE</u>	<u>TIGHTENING</u>	<u>TORQUE INCH POUNDS</u>
8		
10	25-35	
12	40-50	
1/4	60-80	
5/16	120-140	
3/8	220-240	
7/16	340-360	



# OUTBOARD MOTOR SPECIFICATIONS

FROM 1935

## *Explanation of Abbreviations*

H.D.	—	Heavy duty
Cyl.	—	Cylinder
B&S	—	Bore and stroke
P.Disp.	—	Piston displacement
HP	—	Horsepower
RPM	—	Revolutions per minute
Prop. dia.	—	Propeller diameter
BL	—	Blades
C.P.	—	Contact point
S.P.	—	Spark plug
HH	—	Half hard
Wt.	—	Weight
Lbs.	—	Pounds
Pt.	—	Pint
SAE	—	Society Automotive Engineers
Gal.	—	Gallon
Cap.	—	Capacity
Run.	—	Running
Hr.	—	Hour
Min.	—	Minutes

Reprint from:

***THE BOATING INDUSTRY***

~~~~~ *A Trade Paper* ~~~~~

ST. JOSEPH, MICHIGAN



**AIRBOATS, INC. (Air Outboard)**  
**Box 2255**  
**St. Louis, Mo.**

| Year                                                                                                                                                                                                                                                                                    | Model                     | Serial No.    | FOB             | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|---------------|-----------------|------------|
| 1954-55                                                                                                                                                                                                                                                                                 | <b>Airboy Mod. 1-2554</b> | <b>226363</b> | <b>\$179.50</b> |            |
| 1 Cyl; B&S 2" x 1 1/2"; P. Disp. 4.7; HP 2 @ 3600 RPM; Prop. dia. 28"; 2 Bl; C. P. Gap .020; S. P. Champ. J8J; Shear Pin None; Wt. 39 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 3 pts; Run. time full tank 1 1/2 hrs; Air cooled; Gear lub. None; Automatic Rewind starter.           |                           |               |                 |            |
| 1954-55                                                                                                                                                                                                                                                                                 | <b>Airboy Mod. 1-3554</b> | <b>4189</b>   | <b>\$215.00</b> |            |
| 1 Cyl; B&S 2 1/4" x 2"; P. Disp. 8.0; HP 3.5 @ 3750 RPM; Prop. dia. 28"; 2 Bl; C. P. Gap .020; S. P. Champ. J8J; Shear Pin None; Wt. 39 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Air cooled; Gear lub. None; Automatic Rewind starter.         |                           |               |                 |            |
| 1956                                                                                                                                                                                                                                                                                    | <b>Airboy Mod. 20</b>     |               | <b>\$179.50</b> |            |
| 1 Cyl; B&S 2" x 1 1/2"; P. Disp. 4.7; HP 2 @ 3600 RPM; Prop. dia. 26"; 2 Bl; C. P. Gap .020; S. P. Champ. J8J Gap .030; Shear Pin None; Wt. 38 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 3 pts.; Run. time full tank 1 hr.; Air cooled; Gear lub. None; Automatic Rewind starter.   |                           |               |                 |            |
| 1956                                                                                                                                                                                                                                                                                    | <b>Airboy Mod. 40</b>     |               | <b>\$215.00</b> |            |
| 1 Cyl; B&S 2 1/4" x 2"; P. Disp. 8.0; HP 3.5 @ 3750 RPM; Prop. dia. 26"; 2 Bl; C. P. Gap .020; S. P. Champ. J8J Gap .030; Shear Pin None; Wt. 54 lbs.; Oil 1/4 pt.; SAE 30 per gal.; Fuel Cap. 4 pts.; Run. time full tank 1 hr.; Air cooled; Gear lub. None; Automatic Rewind starter. |                           |               |                 |            |



**BENDIX**  
**Marine Division, Bendix Aviation Corp.**  
**South Bend, Indiana**

| Year                                                                                                                                                                                                 | Model                | Serial No    | FOB             | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|--------------|-----------------|------------|
| 1936                                                                                                                                                                                                 | <b>ECLIPSE - SB</b>  | <b>70000</b> | <b>\$ 59.50</b> |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 5.01; HP 2 at 3000 RPM; Prop. dia. & pitch 7-1/2" x 5", 2 B1; Wt. 23 lbs; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min; Air Cooled; Manual Starter.      |                      |              |                 |            |
| 1937                                                                                                                                                                                                 | <b>ECLIPSE - SB</b>  | <b>70002</b> | <b>\$ 59.50</b> |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 5.01; HP 2 at 3000 RPM; Prop. dia. & pitch 7-1/2" x 5"; 2 B1; Wt. 23 lbs; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min; Air Cooled; Manual Starter.      |                      |              |                 |            |
| 1937                                                                                                                                                                                                 | <b>ECLIPSE - SM</b>  | <b>70001</b> | <b>\$ 71.50</b> |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 5.01 HP 2-1/4 at 3300 RPM; Prop. dia. & pitch 7-1/2" x 5", 2 B1; Wt. 27 lbs; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min; Air Cooled; Manual Starter.   |                      |              |                 |            |
| 1938                                                                                                                                                                                                 | <b>ECLIPSE - SM</b>  | <b>70001</b> | <b>\$ 71.50</b> |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 5.01; HP 2-1/4 at 3300 RPM; Prop. dia. & pitch 7-1/2" x 5"; 2 B1; Wt. 27 lbs; Fuel cap. 3-1/2 pts. Run. time full tank 1 hr. 15 min; Air Cooled; Manual Starter.  |                      |              |                 |            |
| 1938                                                                                                                                                                                                 | <b>ECLIPSE - SMD</b> | <b>70003</b> | <b>\$ 79.50</b> |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 5.01; HP 2-1/4 at 3300 RPM; Prop. dia. & pitch 7-1/2" x 5", 2 B1; Wt. 27 lbs; Fuel cap. 4-1/2 pts; Run. time full tank 1 hr. 30 min; Air Cooled; Manual Starter.  |                      |              |                 |            |
| 1938                                                                                                                                                                                                 | <b>ECLIPSE - TMD</b> | <b>70410</b> | <b>\$129.50</b> |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; Disp. 10.02; HP 4-1/2 at 4000 RPM; Prop. dia. & pitch 8-1/4" x 6", 2 B1; Wt. 41 lbs; Fuel cap. 7-1/2 pts; Run. time full tank 1 hr; Air Cooled; Manual Starter.         |                      |              |                 |            |
| 1939                                                                                                                                                                                                 | <b>ECLIPSE - SM</b>  | <b>70001</b> | <b>\$ 71.50</b> |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2" Disp. 5.01; HP 2-1/4 at 3300 RPM; Prop. dia. & pitch 7-1/2" x 5", 2 B1; Wt. 27 lbs; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min.; Air Cooled; Manual Starter.  |                      |              |                 |            |
| 1939                                                                                                                                                                                                 | <b>ECLIPSE - SMD</b> | <b>70612</b> | <b>\$ 79.50</b> |            |
| 1 Cyl; B&S; 2-1/16" x 1-1/2"; Disp. 5.01; HP 2-1/4 at 3300 RPM; Prop. dia. & pitch 7-1/2" x 5", 2 B1; Wt. 27 lbs; Fuel cap. 4-1/2 pts; Run. time full tank 1 hr. 30 min; Air Cooled; Manual Starter. |                      |              |                 |            |
| 1939                                                                                                                                                                                                 | <b>ECLIPSE - TMD</b> | <b>70613</b> | <b>\$129.50</b> |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; Disp; 10.02; HP 4-1/2 at 4000 RPM; Prop. dia. & pitch 8-1/4" x 6", 2 B1; Wt. 41 lbs; Fuel cap. 7-1/2 pts; Run. time full tank 1 hr; Air Cooled; Manual Starter.         |                      |              |                 |            |

**ECLIPSE—BENDIX AVIATION CORP.**

**MODEL LEGEND:**

SB—Single Cylinder, Battery Ignition  
SM—Single Cylinder, Magneto Ignition  
SMD—Single Cylinder, Magneto Ignition, De Luxe  
TMD—Twin Cylinder, Magneto Ignition, De Luxe

**NOTES:** Production ceased in 1940. Service can be obtained from Pozgay Welding Works, Jamaica, Long Island, New York.



**BROOKLURE**  
*Spiegel, Inc.*  
 1061 West 35th St., Chicago, Ill.

| Year                                                                                                                                                                                                                                                                                                                                          | Model      | Serial No. | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------|------------|
| 1950                                                                                                                                                                                                                                                                                                                                          | "150"      | 230-50-1   | \$ 49.50 |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin 1/8" x 7/8", stainless steel; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.                          |            |            |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                          | "300"      | 230-50-3   | \$ 79.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin 1/8" x 7/8", stainless steel; Wt 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.                              |            |            |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                          | "500"      | 230-50-5   | \$112.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                          |            |            |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                          | "1200"     | 230-50-12  | \$185.50 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin .210" x 1-3/16" alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water Cooled; Automatic Rewind Starter.                             |            |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                          | .35105     |            | \$ 94.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Rope starter.                                 |            |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                          | 3D105      |            | \$102.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.                     |            |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                          | 55105      |            | \$134.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 3/16" x 15/16", alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.                              |            |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                          | 5D105      |            | \$148.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.            |            |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                          | 125105     |            | \$212.50 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin .210" x 1-3/16", alum; Wt. 64 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter. |            |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                          | 12D105     |            | \$232.00 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.                   |            |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                          | 230-51-3D  |            | \$ 99.50 |            |
| 1 Cyl; B&S 2-1/2" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.                     |            |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                          | 230-51-5D  |            | \$145.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.            |            |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                          | 230-51-12D |            | \$232.00 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, special; Wt. 64-1/2 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.               |            |            |          |            |



## BROOKLURE (Continued)

Spiegel, Inc.

1061 West 35th St., Chicago, Ill.

| Year                                                                                                                                                                                                                                                                                                                   | Model           | Serial No. | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|----------|------------|
| 1953                                                                                                                                                                                                                                                                                                                   | 3D105 DeLuxe    |            | \$102.50 |            |
| 1 Cyl; B&S 2 3/8" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" varying; 2 B1; C. P. Gap .030; S. P. Champion J6J; Gap .025; Shear pin 3/8" x 7/8" stainless; Wt. 29 lbs; Oil 1/2 pt SAE-30 per gal; Fuel cap 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Automatic rewind starter.      |                 |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                   | 5S105 Standard  |            | \$136.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. Dia. & pitch 8" x 7 1/4"; 2 B1; C. P. Gap .030; S. P. Champion J6J; Gap .025; Shear pin 3/16" x 15/16" stainless; Wt. 45 lbs; Oil 1/2 pt SAE-30 per gal; Fuel cap 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.         |                 |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                   | 5D105 DeLuxe    |            | \$148.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 B1; C. P. Gap .030; S. P. Champion J6J; Gap .025; Shear pin None; Wt. 46 1/2 lbs; Oil 1/2 pt SAE-30 per gal; Fuel cap 7 pts; Run. time full tank 1 hr; Water cooled; Gear Lub. 90 Hypoid; Automatic rewind starter.    |                 |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                   | 12S105 Standard |            | \$214.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 2 B1; C. P. Gap .030; S. P. Champion J6J; Gap .025; Shear pin 210" x 1 3/16"; Wt. 66 lbs; Oil 1/2 pt SAE-30 per gal; Fuel cap 12 pts; Run. time full tank 3/4 hr; Water cooled; Automatic rewind starter.                   |                 |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                   | 12D105 DeLuxe   |            | \$237.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 B1; C. P. Gap .030; S. P. Champion J6J; Gap .025; Shear pin Special; Wt. 64 1/2 lbs; Oil 1/2 pt SAE-30 per gal; Fuel cap 12 pts; Run. time full tank 3/4 hr; water cooled; Gear Lub. 90 Hypoid; Automatic rewind starter. |                 |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                   | 3D115           |            | \$104.50 |            |
| 1 Cyl; B&S 2 3/8" x 1 1/2"; P. Disp. 5.35; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-3/8" x 6 1/2"; 2 B1; C. P. Gap .020; S.P. Champ. J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. lower unit lub. grease; Automatic rewind starter.     |                 |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                   | 5S105           |            | \$149.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; Hp 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. gear grease; Automatic rewind starter.                  |                 |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                   | 5D105 DeLuxe    |            | \$159.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 46 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. hypoid oil; Automatic rewind starter.                   |                 |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                   | 12D115          |            | \$249.50 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. hypoid oil; Automatic rewind starter.                         |                 |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                   | 300 Dix         |            | \$104.50 |            |
| 1 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 1/2"; 2 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.             |                 |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                   | 500 Dix         |            | \$149.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.                     |                 |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                   | 1200 Dix        |            | \$249.50 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 17.89; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.                       |                 |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                   | 2200            |            | \$399.50 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Gear lub. Hypoid Oil; Automatic Rewind starter.                           |                 |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                   | 2200 Dix        |            | \$495.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 B1; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 125 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Hypoid Oil; Electric & Automatic Rewind starter.  |                 |            |          |            |



## BROOKLURE (Continued)

| Year                                                                                                                                                                                                                               | Model  | Serial<br>No. | FOB      | Cash<br>Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|---------------|----------|---------------|
| 1956                                                                                                                                                                                                                               | 3D13   |               | \$127.00 |               |
| 1 Cyl; B&S 2 $\frac{1}{8}$ " x 1 $\frac{1}{2}$ "; P. Disp. 5.32; HP 3; Prop. dia. & pitch 6 $\frac{3}{8}$ " x 6 $\frac{3}{8}$ "; 2 Bl; Wt. 30 lbs.; Oil SAE 30 per gal.; Fuel Cap. 4 pts.; Run. time full tank 1 $\frac{1}{4}$ hr. |        |               |          |               |
| 1956                                                                                                                                                                                                                               | 5S12S  |               | \$164.00 |               |
| 2 Cyl; B&S 1-5/16" x 1 $\frac{1}{2}$ "; P. Disp. 8.84; HP 5; Prop. dia. & pitch 7 $\frac{1}{2}$ " x 7 $\frac{1}{4}$ "; 2 Bl; Wt. 45 lbs.; Oil SAE 30 per gal.; Fuel Cap. 6 $\frac{1}{2}$ pts.; Run. time full tank 1 hr.           |        |               |          |               |
| 1956                                                                                                                                                                                                                               | 5D12   |               | \$205.00 |               |
| 2 Cyl; B&S 1-5/16" x 1 $\frac{1}{2}$ "; P. Disp. 8.84; HP 5; Prop. dia. & pitch 8" x 7 $\frac{1}{4}$ "; 2 Bl; Wt. 52 lbs.; Oil SAE 30 per gal.; Fuel Cap. 7 pts.; Run. time full tank 1 hr.                                        |        |               |          |               |
| 1956                                                                                                                                                                                                                               | 12D13  |               | \$340.00 |               |
| 2 Cyl; B&S 2 $\frac{1}{4}$ " x 2 $\frac{1}{4}$ "; P. Disp. 17.89; HP 12; Prop. dia. & pitch 9" x 11"; 3 Bl; Wt. 75 lbs.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.                                             |        |               |          |               |
| 1956                                                                                                                                                                                                                               | 22D11  |               | \$430.00 |               |
| 2 Cyl; B&S 2 $\frac{7}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7; HP 25; Prop. dia. & pitch 10 $\frac{3}{8}$ " x 12 $\frac{1}{4}$ "; 3 Bl; Wt. 119 lbs.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.              |        |               |          |               |
| 1956                                                                                                                                                                                                                               | 22DE11 |               | \$520.00 |               |
| 2 Cyl; B&S 2 $\frac{7}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7; HP 25; Prop. dia. & pitch 10 $\frac{3}{8}$ " x 12 $\frac{1}{2}$ "; Bl; Wt. 129 lbs.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.                |        |               |          |               |



**BUCCANEER**  
Gale Products  
Galesburg, Ill.

| Year                                                                                                                                                                                                                                                                                                                                           | Model        | Serial No. | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|----------|------------|
| 1951                                                                                                                                                                                                                                                                                                                                           | 3S108        |            | \$105.00 |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Rope starter.                                  |              |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | 3D108        |            | \$118.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.                      |              |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | 5S108        |            | \$156.75 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 3/16" x 15/16", alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.                               |              |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | 5D108        |            | \$171.75 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.             |              |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | 12S108       |            | \$246.75 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin .218" x 1-3/16", alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter. |              |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | 12D108       |            | \$280.50 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.                |              |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                           | 3D108        |            | \$118.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2" -varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.                     |              |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                           | 5D108        |            | \$171.75 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.             |              |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                           | 12D108       |            | \$280.50 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.              |              |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                           | 3D108        |            | \$118.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2" -varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .030; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.                     |              |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                           | 5D108        |            | \$171.75 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .030; Shear pin, none; Wt. 46 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.             |              |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                           | 12D108       |            | \$260.00 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .030; Shear pin, special; Wt. 64 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.              |              |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                           | 5S108        |            | \$156.75 |            |
| 2 Cyl; B&S 1 15/16" x 1 1/2"; P. Dis. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J; Gap .030; Shear pin 3/16" x 15/16"; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 6 1/2 pts; Run. time full tank 1 hr; water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.     |              |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                           | 12S108       |            | \$236.00 |            |
| 2 Cyl.; B&S 2 3/8" x 2 1/4"; P. Dis. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9 1/4" varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J; Gap .030; Wt. 66 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel Cap 12 pts; Run. time full tank 3/4 hr; water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.                                 |              |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                           | 3D11B        |            | \$123.50 |            |
| 1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.35; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 3/8"; 2 Bl; C. P. Gap .020; S. P. Champ J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hr; Water cooled; Gear lub. lower unit lub grease; Automatic rewind starter.                               |              |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                           | 5S108        |            | \$161.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J, Gap .030; Wt. 45 lbs.; Oil 1/2 pt. SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. gear grease; Automatic rewind starter.                                         |              |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                           | 5D108 Deluxe |            | \$188.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 46 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic rewind starter.                                           |              |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                           | 12D11B       |            | \$282.50 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic rewind starter.                                                 |              |            |          |            |



## BUCCANEER (Continued)

Gale Products  
Galesburg, Ill.

| Year                                                                                                                                                                                                                                                                                                                                                                               | Model                   | Serial No. | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|----------|------------|
| 1955                                                                                                                                                                                                                                                                                                                                                                               | 3D11B                   |            | \$123.50 |            |
| 1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 3/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 4 pts; Run. time full tank 1 1/2 hrs; water cooled; Gear lub. Gear Grease; Automatic Rewind starter.                                                            |                         |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                               | 3D12B                   |            | \$123.50 |            |
| 1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 3/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; water cooled; Gear lub. Gear Grease; Automatic Rewind starter.                                                           |                         |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                               | 5S11B                   |            | \$162.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 7 pts; Run. time full tank 1 hr; water cooled; Gear lub. Gear Grease; Automatic Rewind starter.                                                         |                         |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                               | 5S12B                   |            | \$162.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM. Prop. dia. & pitch 7 1/2" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 7 pts; Run. time full tank 1 hr; water cooled; Gear lub. Gear Grease; Automatic Rewind starter.                                                         |                         |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                               | 5D11B                   |            | \$191.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None Used; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 1/2 pts; Run. time full tank 1 hr; water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.                                                                   |                         |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                               | 12D11B                  |            | \$291.00 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 12.89; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin Special Type; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.                                                                      |                         |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                               | 22D10B                  |            | \$410.00 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 1/2" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/2" Brass; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48* pts; Run. time full tank 2 hrs; water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.<br>* Bosun Fuel System, 6 gal. cap.                |                         |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                               | 22DE10B                 |            | \$505.00 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 1/2" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/2" Brass; Wt. 125 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel cap. 48* pts.; run. time full tank 2 hrs.; water cooled; gear lub. Hypoid oil; electric and automatic rewind starter.<br>* Bosun Fuel System, 6 gal. cap. |                         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                               | 3D13B Deluxe            |            | \$127.00 |            |
| 1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6 1/2"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin 1/8" x 3/8" s/s; Wt. 32 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 4 pts. Run. time full tank 1 hr.; Water cooled; Gear lub. Reg. Outboard gear grease; Rope starter.                                  |                         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                               | 5S12B Standard          |            | \$164.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin 3/16" x 15/16" alum.; Water cooled; Gear lub. Reg. Outboard gear grease; Rope starter.                                                                                                                  |                         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                               | 5D12B Deluxe            |            | \$205.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030 Shear Pin Propeller pin; Wt. 52 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 7.2 pt.; Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid Oil; Rope starter.                                                    |                         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                               | 5D13B                   |            | \$205.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None Wt. 52 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 8 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid; Automatic Rewind starter.                                                                               |                         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                               | 12S12B Standard         |            | \$302.00 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin 3/16" x 1-3/16" Naval Brass; Wt. 66 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 16 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid Oil; Rope starter.                                        |                         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                               | 12D13B Deluxe           |            | \$340.00 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030, Shear Pin 3/16" x 1-3/16" Naval Brass; Wt. 79 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3+ hr.; Water cooled; Gear lub. Hypoid Oil; Rope starter.                                       |                         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                               | 12D14B                  |            | \$340.00 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin Special Type; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. Hypoid; Automatic Rewind starter.                                                                        |                         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                               | 12DE13B Deluxe Electric |            | \$430.00 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin 3/16" x 1-3/16" Naval Brass; Wt. 90 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3+ hr.; Water cooled; Gear Lub. Hypoid oil; Electric starter.                                   |                         |            |          |            |



## BUCCANEER (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                                                                                               | Model                   | Serial<br>No. | FOB      | Cash<br>Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|---------------|----------|---------------|
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                               | 22D11B Deluxe           |               | \$430.00 |               |
| 2 Cyl; B&S 2 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 12 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin $\frac{1}{4}$ " x 1 $\frac{1}{8}$ " Naval Brass; Wt. 120 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid Oil; Rope starter.     |                         |               |          |               |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                               | 22DE11B Deluxe Electric |               | \$520.00 |               |
| 2 Cyl; B&S 2 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 12 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. Champ. J6J, Autolite A3X Gap .030; Shear Pin $\frac{1}{4}$ " x 1 $\frac{1}{8}$ " Naval Brass; Wt. 146 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid Oil; Electric starter. |                         |               |          |               |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                               | 22D13B                  |               | \$430.00 |               |
| 2 Cyl; B&S 2 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 12 $\frac{1}{2}$ "; 3Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin $\frac{1}{4}$ " x 1 $\frac{1}{8}$ " Naval Brass; Wt. 119 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Automatic Rewind starter.                       |                         |               |          |               |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                               | 22DE13B                 |               | \$520.00 |               |
| 2 Cyl; B&S 2 $\frac{1}{8}$ " x 2 $\frac{3}{4}$ "; P. Disp. 35.7 HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 12 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin $\frac{1}{4}$ " x 1 $\frac{1}{8}$ " Naval Brass; Wt. 129 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Electric starter.                               |                         |               |          |               |



**CHAMPION**  
**Champion Outboard Motors Company**  
**1433 Stinson Blvd., N. E., Minneapolis 13, Minn.**

| Year | Model                                                                                                                                                                                                                                                                                                       | Serial No. | FOB | Cash Value      |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-----|-----------------|
| 1935 | <b>A Std. Single</b>                                                                                                                                                                                                                                                                                        |            |     | <b>\$ 49.95</b> |
|      | 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 31 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter. |            |     |                 |
| 1936 | <b>1B Std. Single</b>                                                                                                                                                                                                                                                                                       |            |     | <b>\$ 49.95</b> |
|      | 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 31 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter. |            |     |                 |
| 1936 | <b>2B Lite Twin</b>                                                                                                                                                                                                                                                                                         |            |     | <b>\$ 69.95</b> |
|      | 2 Cyl; I&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 4.4 @ 3800 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 38 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Rope Starter. |            |     |                 |
| 1936 | <b>3B Senior Twin</b>                                                                                                                                                                                                                                                                                       |            |     | <b>\$ 89.95</b> |
|      | 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 7.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 3/16" x 1", Brass; Wt. 48 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.  |            |     |                 |
| 1937 | <b>S1C Std. Single</b>                                                                                                                                                                                                                                                                                      |            |     | <b>\$ 49.95</b> |
|      | 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 2.9 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 31 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter. |            |     |                 |
| 1937 | <b>D1C Deluxe Single</b>                                                                                                                                                                                                                                                                                    |            |     | <b>\$ 59.95</b> |
|      | 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 32 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Rope Starter.     |            |     |                 |
| 1937 | <b>S2C Std. Lite Twin</b>                                                                                                                                                                                                                                                                                   |            |     | <b>\$ 69.95</b> |
|      | 2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 3.4 @ 3400 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Rope Starter. |            |     |                 |
| 1937 | <b>D2C Deluxe Lite Twin</b>                                                                                                                                                                                                                                                                                 |            |     | <b>\$ 79.95</b> |
|      | 2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 4.4 @ 3800 RPM; Prop. dia. & pitch 7-3/8" x 6"; 3 Bl; C. P. Gap .018; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 38 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.         |            |     |                 |
| 1937 | <b>D3C Deluxe Senior Twin</b>                                                                                                                                                                                                                                                                               |            |     | <b>\$ 99.95</b> |
|      | 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 6.6 @ 4000 RPM; Prop. dia. & pitch 7-3/8" x 6"; 3 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 3/16" x 1", Brass; Wt. 49 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.      |            |     |                 |
| 1937 | <b>R1C Red Flash Single</b>                                                                                                                                                                                                                                                                                 |            |     | <b>\$ 49.95</b> |
|      | 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 32 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Rope Starter.     |            |     |                 |
| 1938 | <b>S1D Std. Single</b>                                                                                                                                                                                                                                                                                      |            |     | <b>\$ 49.95</b> |
|      | 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23 HP 2.9 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 31 lbs; Oil 1/2 Pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.  |            |     |                 |
| 1938 | <b>D1D Deluxe Single</b>                                                                                                                                                                                                                                                                                    |            |     | <b>\$ 59.95</b> |
|      | 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 32 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Rope Starter.     |            |     |                 |
| 1938 | <b>S2D Std. Lite Twin</b>                                                                                                                                                                                                                                                                                   |            |     | <b>\$ 79.95</b> |
|      | 2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 3.4 @ 3400 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Rope Starter. |            |     |                 |
| 1938 | <b>D2D Deluxe Lite Twin</b>                                                                                                                                                                                                                                                                                 |            |     | <b>\$ 89.95</b> |
|      | 2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 4.4 @ 3800 RPM; Prop. dia. & pitch 7-3/8" x 6"; 3 Bl; C. P. Gap .018; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 38 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.         |            |     |                 |
| 1938 | <b>D3D Deluxe Senior Twin</b>                                                                                                                                                                                                                                                                               |            |     | <b>\$115.00</b> |
|      | 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 6.6 @ 4000 RPM; Prop. dia. & pitch 9" x 6"; 3 Bl; C. P. Gap .018; S. P. Champion J1-15, Gap .027; Shear Pin 3/16" x 1", Brass; Wt. 49 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.          |            |     |                 |
| 1939 | <b>S1E Std. Single</b>                                                                                                                                                                                                                                                                                      |            |     | <b>\$ 39.95</b> |
|      | 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 2.9 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 31 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.      |            |     |                 |
| 1939 | <b>D1E Deluxe Single</b>                                                                                                                                                                                                                                                                                    |            |     | <b>\$ 52.95</b> |
|      | 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16", Alum; Wt. 33 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.     |            |     |                 |



## CHAMPION (Continued)

| Year                                                                                                                                                                                                                                                                                                                  | Model                          | Serial No | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|-----------|----------|------------|
| 1939                                                                                                                                                                                                                                                                                                                  | <b>D2D Deluxe Lite Twin</b>    |           | \$ 74.95 |            |
| 2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 4.4 @ 3800 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 38 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.               |                                |           |          |            |
| 1939                                                                                                                                                                                                                                                                                                                  | <b>D3D Deluxe Senior Twin</b>  |           | \$115.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 6.6 @ 4000 RPM; Prop. dia. & pitch 8" x 6". 3 Bl; C. P. Gap .015; S. P. Champion J1-15, Gap .027; Shear Pin 3/16" x 1". Brass; Wt. 48 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.                    |                                |           |          |            |
| 1940                                                                                                                                                                                                                                                                                                                  | <b>S1F Kingfisher Single</b>   |           | \$ 39.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 31-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.           |                                |           |          |            |
| 1940                                                                                                                                                                                                                                                                                                                  | <b>D1F Challenger Single</b>   |           | \$ 52.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 33 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.               |                                |           |          |            |
| 1940                                                                                                                                                                                                                                                                                                                  | <b>S2F Fish Hawk Lite Twin</b> |           | \$ 74.95 |            |
| 2 Cyl; B&S 2-1/8" x 1-3/8"; P. Disp. 9.78; HP 3.4 @ 3800 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 43 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.               |                                |           |          |            |
| 1940                                                                                                                                                                                                                                                                                                                  | <b>D2F Play Boy Lite Twin</b>  |           | \$ 89.95 |            |
| 2 Cyl; B&S 2-1/8" x 1-9/16"; P. Disp. 11.08; HP 5.5 @ 3800 RPM; Prop. dia. & pitch 8-1/4" x 7-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Brass; Wt. 49 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                 |                                |           |          |            |
| 1940                                                                                                                                                                                                                                                                                                                  | <b>B1F Blue Streak Single</b>  |           | \$ 39.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.2 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 31-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.           |                                |           |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | <b>S1G Kingfisher Single</b>   |           | \$ 44.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.0 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 32-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water cooled; Rope Starter.         |                                |           |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | <b>D1G Challenger Single</b>   |           | \$ 54.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.0 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 32-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water cooled; Pull-O-Matic Starter. |                                |           |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | <b>S4G400 Std. Single</b>      |           | \$ 54.95 |            |
| 1 Cyl; B&S 2-1/4" x 1-3/4"; P. Disp. 6.95; HP 3.6 @ 3900 RPM; Prop. dia. & pitch 8-1/2" x 7". 2 Bl; C. P. Gap .015; S. P. Champion H-9 Com, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 35 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.             |                                |           |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | <b>D4G400 Deluxe Single</b>    |           | \$ 62.95 |            |
| 1 Cyl; B&S 2-1/4" x 1-3/4"; P. Disp. 6.95; HP 3.6 @ 3900 RPM; Prop. dia. & pitch 8-1/2" x 7". 2 Bl; C. P. Gap .015; S. P. Champion H-9 Com, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 35 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Pull-O-Matic Starter.     |                                |           |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | <b>2G Viking Twin</b>          |           | \$ 84.95 |            |
| 2 Cyl; B&S 2-1/8" x 1-9/16"; P. Disp. 11.08; HP 5.3 @ 3800 RPM; Prop. dia. & pitch 8-1/4" x 7-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Brass; Wt. 54 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                 |                                |           |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | <b>3G Electra Twin</b>         |           | \$ 99.95 |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 6.1 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9". 2 Bl; C. P. Gap .015; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Brass; Wt. 45 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Pull-O-Matic Starter.            |                                |           |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | <b>M1G Ensign Single</b>       |           | \$ 44.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.0 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 32-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.         |                                |           |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | <b>M4G Commodore Single</b>    |           | \$ 54.95 |            |
| 1 Cyl; B&S 2-1/4" x 1-3/4"; P. Disp. 6.95; HP 3.6 @ 3900 RPM; Prop. dia. & pitch 8-1/2" x 7". 2 Bl; C. P. Gap .015; S. P. Champion H9 Com, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 35 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.              |                                |           |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | <b>M2G Admiral Twin</b>        |           | \$ 84.95 |            |
| 2 Cyl; B&S 2-1/8" x 1-9/16"; P. Disp. 11.08; HP 5.3 @ 3800 RPM; Prop. dia. & pitch 8-1/4" x 7-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Brass; Wt. 54 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                 |                                |           |          |            |
| 1942                                                                                                                                                                                                                                                                                                                  | <b>1H Super Single</b>         |           | \$ 62.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.0 @ 3900 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .015; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 35 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.             |                                |           |          |            |
| 1942                                                                                                                                                                                                                                                                                                                  | <b>2H Viking Twin</b>          |           | \$109.95 |            |
| 2 Cyl; B&S 2-1/8" x 1-9/16"; P. Disp. 11.08; HP 5.8 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 7-1/2"; 3 Bl; C. P. Gap .015; S. P. Champion 7, Gap .027; Shear Pin 5/32" x 15/16"; Brass; Wt. 54 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                 |                                |           |          |            |



## CHAMPION (Continued)

| Year                                                                                                                                                                                                                                                                                                                   | Model                           | Serial No. | FOB | Cash Value      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|------------|-----|-----------------|
| 1942                                                                                                                                                                                                                                                                                                                   | <b>3H Electra Twin</b>          |            |     | <b>\$149.95</b> |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.46; HP 7.00 @ 3900 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Bl; C. P. Gap .018; S. P. Champion H10, Gap .027; Shear Pin 5/32" x 15/16"; Alum; Wt. 45 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Pull-O-Matic Starter.             |                                 |            |     |                 |
| 1946-47                                                                                                                                                                                                                                                                                                                | <b>1J Std. Single</b>           |            |     | <b>\$127.00</b> |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.                 |                                 |            |     |                 |
| 1946-47                                                                                                                                                                                                                                                                                                                | <b>2J Deluxe Single</b>         |            |     | <b>\$139.50</b> |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 37-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Pull-O-Matic Starter.     |                                 |            |     |                 |
| 1948                                                                                                                                                                                                                                                                                                                   | <b>1K Std. Single</b>           |            |     | <b>\$127.20</b> |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.                 |                                 |            |     |                 |
| 1948                                                                                                                                                                                                                                                                                                                   | <b>2K Deluxe Single</b>         |            |     | <b>\$139.70</b> |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 39-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Pull-O-Matic Starter.     |                                 |            |     |                 |
| 1948                                                                                                                                                                                                                                                                                                                   | <b>4K Deluxe Lite Twin</b>      |            |     | <b>\$188.30</b> |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8" x 10"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 49-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Pull-O-Matic Starter.        |                                 |            |     |                 |
| 1949                                                                                                                                                                                                                                                                                                                   | <b>1K Std. Single</b>           |            |     | <b>\$134.70</b> |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.                 |                                 |            |     |                 |
| 1949                                                                                                                                                                                                                                                                                                                   | <b>2K Deluxe Single</b>         |            |     | <b>\$149.70</b> |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Pull-O-Matic Starter.         |                                 |            |     |                 |
| 1949                                                                                                                                                                                                                                                                                                                   | <b>4K Deluxe Lite Twin</b>      |            |     | <b>\$198.30</b> |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8" x 10"; 2 Bl; C. P. Gap .018; S. P. Champion 7, Gap .030; Shear Pin 3/16" x 1-1/16"; Alum; Wt. 49-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Pull-O-Matic Starter.        |                                 |            |     |                 |
| 1949                                                                                                                                                                                                                                                                                                                   | <b>4KS Hot Rod Special</b>      |            |     | <b>\$250.00</b> |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 10"; 2 Bl; C. P. Gap .018; S. P. Champion H-17 A, Gap .030; Shear pin 3/16" x 1/16" bronze; Wt. 50 lbs; Oil 2 pt. SAE-30 per gal. Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Pull-O-Matic Starter.      |                                 |            |     |                 |
| 1950                                                                                                                                                                                                                                                                                                                   | <b>1L Guide Model</b>           |            |     | <b>\$132.50</b> |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear Pin 3/16" x 1/16" alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal. Fuel Cap 10 pts.; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.                |                                 |            |     |                 |
| 1950                                                                                                                                                                                                                                                                                                                   | <b>2K Deluxe Single</b>         |            |     | <b>\$147.50</b> |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2"; 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal. Fuel Cap. 10 pts.; Run. time full tank 2-1/2 hrs; Water Cooled; Pull-O-Matic Starter.       |                                 |            |     |                 |
| 1950                                                                                                                                                                                                                                                                                                                   | <b>2L-HD Hydro-Drive Single</b> |            |     | <b>\$172.50</b> |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 7-1/4" x 6-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" bronze; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 10 pts.; Run. time full tank 2-1/2 hrs; Water Cooled; Pull-O-Matic Starter. |                                 |            |     |                 |
| 1950                                                                                                                                                                                                                                                                                                                   | <b>4K Deluxe Twin</b>           |            |     | <b>\$195.00</b> |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 8-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts.; Run. time full tank 1-1/2 hrs; Water Cooled; Pull-O-Matic Starter.   |                                 |            |     |                 |
| 1950                                                                                                                                                                                                                                                                                                                   | <b>4L-HD Hydro-Drive Twin</b>   |            |     | <b>\$220.00</b> |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 7-1/4" x 9 1/2"; 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" brass; Wt. 52 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts.; Run. time full tank 1-1/2 hrs; Water Cooled; Pull-O-Matic.          |                                 |            |     |                 |
| 1950                                                                                                                                                                                                                                                                                                                   | <b>4L-S Hot Rod Special</b>     |            |     | <b>\$250.00</b> |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 10"; 2 Bl; C. P. Gap .018; S. P. Champion H-17 A, Gap .030; Shear pin 3/16" x 1/16" bronze; Wt. 50 lbs; Oil 2 pt. SAE-30 per gal. Fuel Cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Pull-O-Matic.                   |                                 |            |     |                 |



## CHAMPION (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                     | Model                                 | Serial No.* | FOB      | Cash Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------|----------|------------|
| 1951                                                                                                                                                                                                                                                                                                                                                     | 1L Guide Model                        |             | \$132.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7; S. P. Gap .030; Shear pin 3/16" x 1-1/16", alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Rope starter.                                   |                                       |             |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                     | 2K Deluxe Single                      |             | \$159.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water Cooled; Pull-O-Matic starter.                |                                       |             |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                     | 2L-HD Hydro-Drive Single              |             | \$194.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear Pin 3/16" x 1-1/16" brass; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Champ. Lower Unit Oil; Water Cooled; Pull-O-Matic starter.  |                                       |             |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                     | 4K Deluxe Twin                        |             | \$199.50 |            |
| 2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/2" x 8-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Othd Grease; Water Cooled; Pull-O-Matic starter.            |                                       |             |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                     | 4L Deluxe Twin                        |             | \$220.00 |            |
| 2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 9-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter. |                                       |             |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                     | 4L-HD Hydro-Drive Twin                |             | \$245.00 |            |
| 2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 8-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 52 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear Lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter. |                                       |             |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                     | 4L-5 1X Hot Rod Special               |             | \$275.00 |            |
| 2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7" x 9", 2 Bl; C. P. Gap .018; S. P. Champion H16A, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 50 lbs; Oil 2 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear Lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter.            |                                       |             |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                     | 1L Guide Model                        |             | \$132.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, S. P. Gap .030; Shear pin 3/16" x 1-1/16", alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Rope starter.                                   |                                       |             |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                     | 2K Deluxe Single                      |             | \$159.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Pull-O-Matic starter.                |                                       |             |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                     | 2L-HD Super Deluxe Hydro-Drive Single |             | \$194.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear Pin 3/16" x 1-1/16" brass; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter.  |                                       |             |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                     | 4L Deluxe Twin                        |             | \$220.00 |            |
| 2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 9-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter. |                                       |             |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                     | 4L-HD Super Deluxe Hydro-Drive Twin   |             | \$245.00 |            |
| 2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 8-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 52 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear Lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter. |                                       |             |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                     | 4L-5 1X Hot Rod Special               |             | \$275.00 |            |
| 2 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 7" x 9", 2 Bl; C. P. Gap .018; S. P. Champion H16A, Gap .030; Shear pin 3/16" x 1-1/16" brass; Wt. 50 lbs; Oil 2 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear Lub. Champ. Lower Unit Oil; Water cooled; Pull-O-Matic starter.            |                                       |             |          |            |



## CHAMPION (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                   | Model                  | Serial No.* | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-------------|----------|------------|
| 1953                                                                                                                                                                                                                                                                                                                                                   | 2M Guide Model         |             | \$147.50 |            |
| 1 Cyl.; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 8" x 5 1/2"; 2 Bl.; C. P. Gap .018; S. P. Champion 7; Gap .030; Shear pin 3/16" x 1-1/16", aluminum; Wt. 42 lbs; Oil 1/2 pt; SAE-30; per gal; Fuel Cap 10 pts; Run. time full tank 2 1/2 hrs; Gear lub. Outbd. Motor Gear Lub.; Water cooled; Pull-O-Matic starter. |                        |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                   | 3M-GS Gear Shift       |             | \$219.50 |            |
| 2 Cyl.; B&S 1-7/8" x 1 3/4"; P. Disp. 9.66; HP 5.0 @ 4300; RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl.; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear pin 3/16" x 1-1/16", Brass; Wt. 44 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 28 pts; Run. time full tank 3 hrs; Gear lub. 1* or 2*; Water cooled; Pull-O-Matic starter.                     |                        |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                   | 4M-GS Gear Shift       |             | \$245.00 |            |
| 2 Cyl.; B&S 1 1/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl.; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear Pin 3/16" x 1-1/16". Brass; Wt. 44 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 28 pts; Run. time full tank 3 hrs; Gear lub. 1*; Water cooled; Pull-O-Matic starter.                            |                        |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                   | 4M-HD Hydro-drive      |             | \$295.00 |            |
| 2 Cyl.; B&S 1-7/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia & pitch 7 1/2" x 9 1/2"; 2 Bl.; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear pin 3/16" x 1-1/16", brass; Wt. 45 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 28 pts; Run time full tank 3 hrs; Gear lub. 1*; water cooled; Pull-O-Matic starter.                          |                        |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                   | 6M-GS Gear Shift**     |             | \$347.50 |            |
| 2 Cyl.; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 15.0 @ 4300 RPM; Prop. dia & pitch 8" x 11 1/2"; 2 Bl.; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 6 gal; Run time full tank 4 hrs; Gear lub. 1* or 2*; water cooled. Pull-O-Matic starter.                      |                        |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                   | 6M-HD Hydro-Drive**    |             | \$397.50 |            |
| 2 Cyl.; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 15.0 @ 4300 RPM; Prop. dia & pitch 8" x 11 1/2"; 2 Bl.; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear pin 3/16" x 1-1/16", Brass; Wt. 55 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 48 pts; Run time full tank 4 hrs; Gear lub. 1*; water cooled; Pull-O-Matic starter.                          |                        |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                   | 4M-HR Class JU Hot-Rod |             | \$295.00 |            |
| 2 Cyl.; B&S 1 1/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 5" x 9"; 2 Bl.; C. P. Gap .018; S. P. Champion J3; Gap .035; Shear Pin 3/16" x 1-1/16"; Brass; Wt. 36 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 28 pts; Run time full tank 3 hrs; Gear lub. 1* or 2*; water cooled; Rope starter.                                    |                        |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                   | 5M-HR Class AU Hot-Rod |             | \$395.00 |            |
| 2 Cyl.; B&S 2-11/64" x 2-1/32"; P. Disp. 14.96; HP @ RPM To Be Certified; Prop. dia & pitch 6 3/4" x 10 3/4"; 2 Bl.; C. P. Gap .018; S. P. Champion J3; Gap .035; Shear pin 3/16" x 1-1/16" brass; Wt. 44 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 6 gal; Run time full tank 4 hrs; Gear lub. 1* or 2*; water cooled; Rope starter.                   |                        |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                   | 6M-HR Class BU Hot-Rod |             | \$397.50 |            |
| 2 Cyl.; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 15.0 @ 4300 RPM; Prop. dia. & pitch 7" x 11"; 2 Bl.; C. P. Gap .018; S. P. Champion J3; Gap .035; Shear Pin 3/16" x 1-1/16", brass; Wt. 46 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 6 gal; Run time full tank 4 hrs; Gear lub. 1* or 2*; water cooled; Rope starter.                                 |                        |             |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                   | 2MM                    |             | \$147.50 |            |
| 1 Cyl.; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl.; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 42 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 2 1/2 hrs.; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.                  |                        |             |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                   | 3M-GS                  |             | \$219.50 |            |
| 2 Cyl.; B&S 1 1/8" x 1 3/4"; P. Disp. 9.66; HP 5.0 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl.; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16" alum; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.                        |                        |             |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                   | 4M-GS                  |             | \$245.00 |            |
| 2 Cyl.; B&S 1 1/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl.; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16" alum; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.                    |                        |             |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                   | 4M-HD                  |             | \$295.00 |            |
| 2 Cyl.; B&S 1 1/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl.; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16" alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.                    |                        |             |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                   | 6M-GS                  |             | \$347.50 |            |
| 2 Cyl.; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 14 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl.; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16", brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.                         |                        |             |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                   | 6M-HD                  |             | \$397.50 |            |
| 2 Cyl.; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl.; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16", brass; Wt. 55 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Pull-o-matic starter.                         |                        |             |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                   | 4M-HR Class JU Hot Rod |             | \$295.00 |            |
| 2 Cyl.; B&S 1 1/8" x 1 3/4"; P. Disp. 9.66; Prop. dia. & pitch 5" x 9"; 2 Bl.; C. P. Gap .018; S. P. Champ. J3, Gap .035; Shear Pin 3/16" x 1-1/16", brass; Wt. 36 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.                                                      |                        |             |          |            |

1\* Use Champion Lower Unit Oil 2\* Extreme Pressure outboard gear oil EP-90  
 \*\*Featherweight 15



## CHAMPION (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                                                                                                       | Model                                      | Serial No. | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|------------|----------|------------|
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>4M-HR Midget</b>                        |            | \$295.00 |            |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; Prop. dia. & pitch 5" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J3 Gap .035; Shear Pin 3/16" x 1-1/16" brass; Wt. 36 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.                                                                                                                                              |                                            |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>5M-HR Class AU-Hot Rod</b>              |            | \$395.00 |            |
| 2 Cyl; B&S 2-11/64" x 2-1/32"; P. Disp. 11.96; Prop. dia. & pitch 6 3/4" x 10 3/4"; 2 Bl; C. P. Gap .018; S. P. Champ. J3 Gap .035; Shear Pin 3/16" x 1-1/16" brass; Wt. 44 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.                                                                                                                                 |                                            |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>6M-HR Class BU Hot Rod</b>              |            | \$397.50 |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; Prop. dia. & pitch 7" x 11"; 2 Bl; C. P. Gap .018; S. P. Champ. J3 Gap .035; Shear Pin 3/16" x 1-1/16" brass; Wt. 46 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.                                                                                                                                           |                                            |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>3MM-GS Power Shift</b>                  |            | \$219.50 |            |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 5 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" Alum; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; water cooled; Gear lub. 1* or 2*; Pull-O-M starter.                                                                                                                 |                                            |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>4MM-GS Power Shift</b>                  |            | \$245.00 |            |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" Alum; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; water cooled; Gear lub. 1* or 2*; Pull-O-M starter.                                                                                                             |                                            |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>6MM-GS Power Shift</b>                  |            | \$342.50 |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RMP; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Pull-O-M starter.                                                                                                                |                                            |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>6MS-GS Power Shift Mid-Ship Control</b> |            | \$375.00 |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Pull-O-M starter.                                                                                                                |                                            |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>4MM-HR, Class JU, Hot Rod</b>           |            | \$295.00 |            |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; Prop. dia. & pitch 5" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J3 Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 36 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.                                                                                                                                              |                                            |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>6MM-HR, Class BU, Hot Rod</b>           |            | \$397.50 |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; Prop. dia. & pitch 7" x 13 1/2"; 2 Bl; C. P. Gap .018; Gap .018; S. P. Champ J3 Gap .035; Shear Pin 3/16" x 1-1/16" Brass Wt. 46 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Rope starter.                                                                                                                                |                                            |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>2N Guide Four</b>                       |            | \$174.50 |            |
| 1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .018; S. P. Champ. 7 Gap .030; Shear Pin 3/16" x 1-1/16" alum.; Wt. 42 lbs.; Oil 1/2 pt.; SAE * per gal.; Fuel Cap. 10 pts.; Run. time full tank 2 1/2" hr.; Water cooled; Gear lub. OM; Pull-O-Matic starter.<br>* Any Nationally advertised high grade outboard motor oil.<br>OM Outboard Motor Waterproof Gear Lubricant |                                            |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>3N-5 Guide Six</b>                      |            | \$220.00 |            |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 6.0 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" alum.; Wt. 46 lbs.; Oil 1/2 pt.; SAE * per gal.; Fuel Cap. 10 pts.; Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. 1* or 2*; Pull-O-Matic starter.                                                                                                        |                                            |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>4N-D Deluxe</b>                         |            | \$264.00 |            |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7.8 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ J7J Gap .030; Shear Pin 3/16" x 1-1/16" alum.; Wt. 46 lbs.; Oil 1/2 pt.; SAE * per gal.; Fuel Cap. 28 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. 1* or 2*; Pull-O-Matic starter.<br>* Any nationally advertised high grade outboard motor oil.                                           |                                            |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>6N-D Deluxe**</b>                       |            | \$365.00 |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt.; SAE * per gal.; Fuel Cap. 48 pts.; Run. time full tank 4 hr.; Water cooled; Gear lub. 1* or 2*; Pull-O-Matic starter.<br>* Any nationally advertised high grade outboard motor oil.<br>** 6 gallon separate day cruising tank. |                                            |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>6N-MS Mid-Ship**</b>                    |            | \$355.00 |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt.; SAE * per gal.; Fuel Cap. 48 pts.; Run. time full tank 4 hrs.; Water cooled; Gear lub. 1* or 2*; Pull-O-Matic starter.<br>* Any nationally advertised high grade outboard motor oil.<br>** 6 gallon separate day cruiser tank. |                                            |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                                       | <b>6N-HR Hot Rod</b>                       |            | \$425.00 |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; Class B; Prop. dia. & pitch 7" x 13 1/2"; 2 Bl; C. P. Gap .018 S. P. Champ. R7 Gap .025; Sheer Pin 3/16" x 1-1/16" Brass; Wt. 46 lbs.; Oil 1 pt.; SAE * per gal.; Fuel Cap. 16 pts.; Run. time full tank 3/4 hr.; Water cooled; Gear lub. 1* or 2*; Pull-O-Matic starter.<br>* Any nationally advertised high grade outboard motor oil.                                                       |                                            |            |          |            |

1\* Use Champion Lower Unit Oil. 2\* Extreme Pressure outboard gear oil EP-90.  
\*\* Featherweight 15



**CHRIS-CRAFT**  
**Chris-Craft Outboard Motors**  
**2000 Beverly Ave., S.W., Grand Rapids 9, Mich.**

| Year                                                                                                                                                                                                                                                                                                                                    | Model        | Serial No. | FOB | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|-----|------------|
| 1949                                                                                                                                                                                                                                                                                                                                    | J            |            |     | \$185.00   |
| 2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 8"; 2 Bl; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear Pin Part No. 59101 Monel; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 10-1/2 pts.; Run. time full tank 1-1/4 hrs; Water cooled; Rewinding Cable Starter.                     |              |            |     |            |
| 1950                                                                                                                                                                                                                                                                                                                                    | K-Commander  |            |     | \$315.00   |
| 2 Cyl; B&S 2-1/2" x 2-1/32"; P. Disp. 19.94; HP 10 @ 4000 RPM; Prop. dia. & pitch 8-3/4" varying 9 or 10-1/2", 2 Bl; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear Pin Part No. 59101 Monel; Wt. 63 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 16 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rewinding Cable Starter.     |              |            |     |            |
| 1950                                                                                                                                                                                                                                                                                                                                    | J-Challenger |            |     | \$185.00   |
| 2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 8"; 2 Bl; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear Pin Part No. 59101 Monel; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 10-1/2 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Rewinding Cable Starter.                      |              |            |     |            |
| 1951                                                                                                                                                                                                                                                                                                                                    | J-Challenger |            |     | \$199.00   |
| 2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 8"; 2 Bl; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear pin 27/32" x 5/32" monel; Wt. 47 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 10-1/2 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Gear lub. Othd. Grease; Rewind rope starter.  |              |            |     |            |
| 1951                                                                                                                                                                                                                                                                                                                                    | K-Commander  |            |     | \$375.00   |
| 2 Cyl; B&S 2-1/2" x 2-1/32"; P. Disp. 19.94; HP 10 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear Pin 1-1/32" x 3/16" monel; Wt. 72 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 16 pts; Run. time full tank 1-1/2 hrs; Water cooled; Gear lub. Othd. Grease; Rewind rope starter.      |              |            |     |            |
| 1952                                                                                                                                                                                                                                                                                                                                    | J-Challenger |            |     | \$199.00   |
| 2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 8"; 2 Bl; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear pin 27/32" x 5/32" monel; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 10-1/2 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Gear lub. Othd. Grease; Rewind rope starter.  |              |            |     |            |
| 1952                                                                                                                                                                                                                                                                                                                                    | K-Commander  |            |     | \$375.00   |
| 2 Cyl; B&S 2-1/2" x 2-1/32"; P. Disp. 19.94; HP 10 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; C. P. Gap .018; S. P. Champion J8J, Gap .028; Shear Pin 1-1/32" x 3/16" monel; Wt. 72 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 16 pts; Run. time full tank 1-1/2 hrs; Water cooled; Gear lub. Othd. Grease; Rewind rope starter.      |              |            |     |            |
| 1953                                                                                                                                                                                                                                                                                                                                    | J-Challenger |            |     | \$199.00   |
| 2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 8"; 2 Bl; C. P. Gap .018; S. P. Champion J-8; Gap .028; Shear pin 27/32" x 5/32" S/S; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel Cap. 10 1/2 pts; Run. time full tank 1 3/4 hrs; water cooled; Gear lub. outbd. grease; Rewind rope starter.   |              |            |     |            |
| 1953                                                                                                                                                                                                                                                                                                                                    | K-Commander  |            |     | \$375.00   |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 10 @ 4000 RPM; Prop. dia. & pitch 8 3/4" x 9"; 2 Bl; C. P. Gap .018; S. P. Champion J-7; Gap .028; Shear pin 1-1/32" x 3/16" S/S; Wt. 82 lbs; Oil 3/4 pt. SAE-30 per gal.; Fuel cap. 16 pts; Run. time full tank 1 1/2 hrs; water cooled; Gear lub. outbd. grease; Rewind rope starter. |              |            |     |            |



**CORSAIR**  
 Corsair Outboard Motor Co.  
 Minneapolis 13, Minnesota

| Year                                                                                                                                                                                                                                                                                                                                                  | Model | Serial No.  | FOB      | Cash Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-------------|----------|------------|
| 1948                                                                                                                                                                                                                                                                                                                                                  | 4820  | 4820 Series | \$104.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8", Brass; Wt. 36 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 8 pts; Run. time full tank 2-1/4 Hrs.; Water Cooled; Rope Starter.                                         |       |             |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                  | 4821  | 4821 Series | \$119.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8", Brass; Wt. 42 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 8 pts.; Run. time full tank 2-1/4 hrs.; Water Cooled; Recoil Starter.                                      |       |             |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                  | 4823  | 4823 Series | \$169.95 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0 HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 5/8", Brass; Wt. 53 lbs; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Recoil Starter.                                                                          |       |             |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                  | 4921  | 4921 Series | \$139.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4.0 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 5/8", stainless steel; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Recoil Starter.                                   |       |             |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                  | 4927  | 4927 Series | \$169.95 |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 5/8", stainless steel; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Recoil Starter.                              |       |             |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                  | 4923  | 4923 Series | \$189.95 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32", stainless steel; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts.; Run. time full tank 1-1/4 hrs.; Water Cooled; Recoil Starter.                                        |       |             |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                  | 5020  |             | \$ 89.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear Pin 5/32" x 5/8" Brass; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.                                                     |       |             |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                  | 5021  |             | \$139.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4.0 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear pin 5/32" x 5/8" stainless steel; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.                                           |       |             |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                  | 5027  |             | \$169.95 |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear Pin 5/32" x 5/8" stainless steel; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Automatic Recoil Starter.                                             |       |             |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                  | 5023  |             | \$189.95 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear pin 5/32" x 5/8", stainless steel; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Automatic Recoil Starter.                                              |       |             |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                  | 5020  |             | \$129.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champ H10J, Gap .035; Shear pin 5/32" x 5/8" Brass; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Gear lub. Othd grease; Recoil starter.                            |       |             |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                  | 5021  |             | \$169.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4.0 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champ H10J, Gap .035; Shear pin 5/32" x 5/8" Steel; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water cooled; Gear lub. Othd. grease; Recoil starter.                           |       |             |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                  | 5027  |             | \$199.50 |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8" stainless steel; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Othd. grease; Recoil starter.              |       |             |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                  | 5023  |             | \$219.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champ H10J, Gap .035; Shear pin 5/32" x 5/8", stainless steel; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gear lub. Othd. grease; Recoil starter.                    |       |             |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                  | 5028  |             | \$279.50 |            |
| 2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch 8-1/8" x 10", 2 Bl; C. P. Gap .020; S. P. Champ HT10J, Gap .035; Shear pin 5/32" x 5/8", stainless steel; Wt. 61 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Gear lub. Universal Gear lub. SAE-90 (EP); Recoil starter. |       |             |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                  | 5027  | 27251001    | \$189.50 |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8", Brass; Wt. 47 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Othd. grease; Recoil starter.                           |       |             |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                  | 5023  | 23251001    | \$209.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8", Brass; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gear lub. Othd. grease; Recoil starter.                             |       |             |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                  | 5028  | 28251001    | \$269.50 |            |
| 2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch 8-1/8" x 10", 2 Bl; C. P. Gap .020; S. P. Champ. HT10J, Gap .035; Shear pin 5/32" x 5/8", Brass; Wt. 61 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Gear lub. Universal Gear lub. SAE-90 (EP); Recoil starter.          |       |             |          |            |



**CORSAIR**  
**Corsair Outboard Motor Co.**  
**Minneapolis 13, Minnesota**

| Year                                                                                                                                                                                                                                                                                                                                               | Model          | Serial No.  | FOB | Cash Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------|-----|------------|
| 1953                                                                                                                                                                                                                                                                                                                                               | 2735           | 27351001    |     | \$199.50   |
| 2 Cyl; B&S 1-11/64" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. Dia. & Pitch 7 1/2" x 7" R.H.; 2 Bl; C. P. Gap .020; S. P. Champ.H10J, Gap .035; Shear pin 5/32" x 7/8", Brass; Wt. 47 lbs.; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run time full tank 2 hrs.; Water cooled; Gear lub. Otbd.grease; Recoil starter.                    |                |             |     |            |
| 1953                                                                                                                                                                                                                                                                                                                                               | 2335           | 23351001    |     | \$231.30   |
| 2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. Dia. & Pitch 8" x 7 1/2" R.H.; 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear Pin 5/32" x 7/8", Brass; Wt. 49 lbs.; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 6 gal; Run time full tank 7 1/2 hrs.; Water cooled; Gear lub. Otbd. grease; Recoil starter.                   |                |             |     |            |
| 1953                                                                                                                                                                                                                                                                                                                                               | 2835           | 28351001    |     | \$283.80   |
| 2 Cyl; B&S 2-11/64" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. Dia. & Pitch 8-1/8" x 10" R.H.; 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 7/8", Brass; Wt. 57 lbs.; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 6 gal.; Run time full tank 4 1/2 hrs.; Water cooled; Gear lub. Univ. Gear Lub. JAE 90 (EP); recoil starter. |                |             |     |            |
| 1954                                                                                                                                                                                                                                                                                                                                               | 5 HP Corsair   | 2745-1001   |     |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" brass; Wt. 42 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 7 hrs; Water cooled; Gear lub. outbd. grease; Recoil starter.                       |                |             |     |            |
| 1954                                                                                                                                                                                                                                                                                                                                               | 7.5 HP Corsair | 2345-1001   |     |            |
| 2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.00; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035 Shear Pin 5/32" x 7/8", brass; Wt. 50 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 7 hrs; Water cooled; Gear lub. outbd. grease; Recoil starter.                                |                |             |     |            |
| 1954                                                                                                                                                                                                                                                                                                                                               | 10 HP Corsair  | 2845-1001   |     |            |
| 2 Cyl; B&S 2-11/64" x 2"; P. Disp. 14.00; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/4" x 9 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" brass; Wt. 59 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.                |                |             |     |            |
| 1954                                                                                                                                                                                                                                                                                                                                               | 16 HP Corsair  | 2945-1001   |     |            |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ. 5MJ Gap .035; Shear Pin 7/32" x 29/32" brass; Wt. 85 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 3/4 hrs; Water cooled; Gear lub. Universal SAE-90; Recoil starter.                  |                |             |     |            |
| (1955 Models same as 1954)                                                                                                                                                                                                                                                                                                                         |                |             |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                               | 5 HP           | 2765-1001   |     |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C.P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 42 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 28 pts.; Run. time full tank 5 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.                            |                |             |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                               | 7.5 HP         | 2365-1001   |     |            |
| 2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.00; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 50 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 6 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.                                |                |             |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                               | 16 HP          | 2965-1001   |     |            |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ. 5MJ Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 85 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 3/4 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.                         |                |             |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                               | 30 HP          | 2665-1001   |     |            |
| 2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Shear Pin 1/4" x 1-7/64" Brass; Wt. 115 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.                        |                |             |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                               | 30 HP Electric | 2665-3-1001 |     |            |
| 2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Shear Pin 1/4" x 1-7/64" Brass; Wt. 130 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. SAE 90; Electric starter.                      |                |             |     |            |



## DRAGONFLY (Air Outboard)

Robertson-Hedges, Inc.

629 West 39th St.

Kansas City 11, Mo.

| Year                                                                                                                                                                                                                                                                     | Model                      | Serial No. | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------|----------|------------|
| 1955                                                                                                                                                                                                                                                                     | Dragonfly-Model 47 Troller |            | \$119.50 |            |
| 1 Cyl; B&S 2" x 1½"; HP 2.05 @ 4000 RPM; Prop. dia. 18"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 28 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 2 pts; Run. time full tank 1½ hrs; Air cooled; Gear lub. None; Automatic Rewind starter.                 |                            |            |          |            |
| 1955                                                                                                                                                                                                                                                                     | Dragonfly-Model 47 Cruiser |            | \$179.50 |            |
| 1 Cyl; B&S 2" x 1½"; HP 2.05 @ 4000 RPM; Prop. dia. & pitch 28" x 8"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 38 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 2 pts; Run. time full tank 1½ hrs; Air cooled; Gear lub. None; Automatic Rewind starter.    |                            |            |          |            |
| 1955                                                                                                                                                                                                                                                                     | Dragonfly-Model 80 Cruiser |            | \$219.50 |            |
| 1 Cyl; B&S 2¼" x 2"; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 30" x 10"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 54 lbs.; Oil ¾ pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1½ hrs; Air cooled Gear lub. None; Automatic Recoil starter.     |                            |            |          |            |
| 1956                                                                                                                                                                                                                                                                     | Model 47 Troller           |            | \$119.50 |            |
| 1 Cyl; B&S 2" x 1½"; HP 2.05 @ 4000 RPM; Prop. dia. 18"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 28 lbs.; Oil ½ pt.; SAE 30 per gal.; Fuel Cap. 2 pts.; Run. time full tank 1½ hr.; Air cooled; Gear lub. None; Automatic Rewind starter.              |                            |            |          |            |
| 1956                                                                                                                                                                                                                                                                     | Model 47 Cruiser           |            | \$179.50 |            |
| 1 Cyl; B&S 2" x 1½"; HP 2.05 @ 4000 RPM; Prop. dia. & pitch 28" x 8"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 38 lbs.; Oil ½ pt.; SAE 30 per gal.; Fuel Cap. 2 pts.; Run. time full tank 1½ hr.; Air cooled; Gear lub. None; Automatic Rewind starter. |                            |            |          |            |
| 1956                                                                                                                                                                                                                                                                     | Model 80 Cruiser           |            | \$219.50 |            |
| 1 Cyl; B&S 2¼" x 2"; HP 4 @ 4000 RPM; Prop. dia. & pitch 31" x 10"; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 54 lbs.; Oil ¾ pt.; SAE 30 per gal.; Fuel Cap. 4 pts.; Run time full tank 1½ hr.; Air cooled; Gear lub. None; Automatic Recoil starter.          |                            |            |          |            |



**ELGIN—WATERWITCH**  
*Sears, Roebuck and Company*  
*Homan and Arthington Aves., Chicago, Illinois*

| Year                                                                                                                                                                                                                                                                              | Model                      | Serial No.          | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|----------|------------|
| <b>WATERWITCH</b>                                                                                                                                                                                                                                                                 |                            |                     |          |            |
| 1936-37                                                                                                                                                                                                                                                                           | MB-10                      | 1001 - 7933         | \$ 39.95 |            |
| 1 Cyl; B&S 2-1/2" x 1-7/8"; P. Disp. 7.4; HP 2-1/2 @ 3000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.       |                            |                     |          |            |
| 1936                                                                                                                                                                                                                                                                              | ME-20                      | T501 - T2391        | \$ 59.50 |            |
| 2 Cyl; B&S 2-1/2" x 1-7/8"; P. Disp. 14.8; HP 4 @ 2700 RPM; Prop. dia. & pitch 8" x 8", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 53 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.              |                            |                     |          |            |
| 1937                                                                                                                                                                                                                                                                              | 571.10                     | S10001 - S28026     | \$ 39.95 |            |
| 1 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 7.4; HP 2-1/2 @ 2400 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.       |                            |                     |          |            |
| 1937                                                                                                                                                                                                                                                                              | 571.20                     | T3001 - T8270       | \$ 63.95 |            |
| 2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.8; HP 4 @ 2700 RPM; Prop. dia. & pitch 8" x 8", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 53 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.              |                            |                     |          |            |
| 1938                                                                                                                                                                                                                                                                              | 571.21                     | T9001 - T11005      | \$ 66.95 |            |
| 2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.8; HP @ 3200 RPM; Prop. dia. & pitch 8" x 8", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 62 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.                |                            |                     |          |            |
| 1938                                                                                                                                                                                                                                                                              | 571.30                     | SA1001 - SA6000     | \$ 27.95 |            |
| 1 Cyl; B&S 1-7/16" x 1-9/32"; P. Disp. 2.04; HP 3/4 @ 3200 RPM; Prop. dia. & pitch 6-1/2" x 4", 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .025; Shear Pin 5/32" x 7/8", Alum; Wt. 19 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 4-3/4 pts; Water Cooled; Rope Starter.       |                            |                     |          |            |
| 1939                                                                                                                                                                                                                                                                              | 571.11                     | S30001 - S36103     | \$ 43.95 |            |
| 1 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 7.4; HP 2-1/2 @ 3000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.       |                            |                     |          |            |
| 1939                                                                                                                                                                                                                                                                              | 571.22                     | T12001 - T17002     | \$ 67.95 |            |
| 2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.8; HP 4-3/4 @ 3000 RPM; Prop. dia. & pitch 8-1/4" x 7", 3 Bl; C. P. Gap .015; S. P. Cross Ct. 43-B, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 63 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Water Cooled; Rope Starter.      |                            |                     |          |            |
| 1939                                                                                                                                                                                                                                                                              | 571.31<br>571.32           | AC1001 - AC7017     | \$ 23.95 |            |
| 1 Cyl; B&S 1-1/2" x 1-9/32"; P. Disp. 2.26; HP 3/4 @ 3200 RPM; Prop. dia. & pitch 6-1/2" x 4", 2 Bl; C. P. Gap .020; S. P. Cross Ct. C-13, Gap .030; Shear Pin 5/32" x 7/8", Alum; Wt. 19 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 2 pts; Air Cooled; Rope Starter.             |                            |                     |          |            |
| 1940                                                                                                                                                                                                                                                                              | 571.33                     | AC8001 - AC11565    | \$ 23.95 |            |
| 1 Cyl; B&S 1-1/2" x 1-9/32"; P. Disp. 2.26; HP 3/4 @ 3600 RPM; Prop. dia. & pitch 6-1/2" x 4", 2 Bl; C. P. Gap .020; S. P. Champion J-8, Gap .030; Shear Pin 5/32" x 7/8", Alum; Wt. 20-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 2 pts; Air Cooled; Rope Starter.           |                            |                     |          |            |
| 1940                                                                                                                                                                                                                                                                              | 571.34<br>571.34A          | DAC25001 - DAC28905 | \$ 28.50 |            |
| 1 Cyl; B&S 1-1/2" x 1-9/32"; P. Disp. 2.26; HP 3/4 @ 3600 RPM; Prop. dia. & pitch 6-1/2" x 4", 2 Bl; C. P. Gap .020; S. P. Champion J-8, Gap .030; Shear Pin 5/32" x 63/64", Alum; Wt. 25-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 2 pts; Air Cooled; Autowind Starter.     |                            |                     |          |            |
| 1940                                                                                                                                                                                                                                                                              | 571.40                     | S50001 - S56103     | \$ 38.50 |            |
| 1 Cyl; B&S 2" x 1-7/8"; P. Disp. 5.9; HP 2-3/4 @ 3600 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .015; S. P. Champion J-8, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 32 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 4-3/4 pts; Water Cooled; Rope Starter.         |                            |                     |          |            |
| 1940                                                                                                                                                                                                                                                                              | 571.12                     | S37001 - S44106     | \$ 47.95 |            |
| 1 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 7.4; HP 3-1/2 @ 3600 RPM; Prop. dia. & pitch 8-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Champion No. 8, Gap .025; Shear Pin 5/32" x 1-1/64", brass; Wt. 36 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Autowind Starter.  |                            |                     |          |            |
| 1940                                                                                                                                                                                                                                                                              | 571.23                     | T1E001 - T23003     | \$ 68.95 |            |
| 2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.9; HP 5-3/4 @ 3400 RPM; Prop. dia. & pitch 9" x 8", 2 Bl; C. P. Gap .015; S. P. Champion No. 8, Gap .025; Shear Pin 5/32" x 1-1/64", brass; Wt. 57-3/4 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Autowind Starter. |                            |                     |          |            |
| 1941                                                                                                                                                                                                                                                                              | 571.50                     | T100001 - T100600   | \$129.95 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/8"; P. Disp. 18.8; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 12", 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .025; Shear Pin 3/16" x 1-3/16", brass; Wt. 73 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Auto-wind Starter.         |                            |                     |          |            |
| 1941                                                                                                                                                                                                                                                                              | 571.35                     | AC13001 - AC17442   | \$ 24.95 |            |
| 1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 4", 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .025; Shear Pin 5/32" x 7/8", Alum; Wt. 20-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 2 pts; Air Cooled; Auto-wind Starter.        |                            |                     |          |            |
| 1941                                                                                                                                                                                                                                                                              | 571.41<br>571.42<br>571.43 | S57001 - S65104     | \$ 39.95 |            |
| 1 Cyl; B&S 2" x 1-7/8"; P. Disp. 5.9; HP 3 @ 3600 RPM; Prop. dia. & pitch 8-1/4" x 5", 2 Bl; C. P. Gap .020; S. P. Champion J-8, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 5 pts; Water Cooled; Rope Starter.                 |                            |                     |          |            |
| 1941                                                                                                                                                                                                                                                                              | 571.13<br>571.14           | S45001 - S52603     | \$ 53.45 |            |
| 1 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 7.4; HP 3-1/2 @ 3600 RPM; Prop. dia. & pitch 8-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. Champion No. 8, Gap .025; Shear Pin 5/32" x 1-1/64", brass; Wt. 44 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Auto-wind Starter. |                            |                     |          |            |



## WATERWITCH (Continued)

| Year                                                                                                                                                                                                                                                                                                                    | Model     | Serial No.        | FOB      | Cash Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-------------------|----------|------------|
| 1941                                                                                                                                                                                                                                                                                                                    | 571.24    | T24001 - T30103   | \$ 73.95 |            |
| 2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.3; HP 5-3/4 @ 3400 RPM; Prop. dia. & pitch 9" x 7"; 2 Bl; C. P. Gap .020; S. P. Champion No. 8, Gap .025; Shear Pin 5/32" x 1-1/64", brass; Wt. 57-3/4 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Auto-wind Starter.                                      |           |                   |          |            |
| 1942                                                                                                                                                                                                                                                                                                                    | 571.15    | S90001 - S92355   | \$ 73.95 |            |
| 1 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 7.4; HP 3-1/2 @ 3600 RPM; Prop. dia. & pitch 8-1/2" x 7"; 2 Bl; C. P. Gap .020; S. P. Champion No. 8, Gap .025; Shear Pin 5/32" x 1-1/64", brass; Wt. 47-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 14 pts; Water Cooled; Auto-wind Starter.                                   |           |                   |          |            |
| 1942                                                                                                                                                                                                                                                                                                                    | 571.36    | AC18001 - AC20724 | \$ 28.50 |            |
| 1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 4"; 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .025; Shear Pin 5/32" x 7/8", Alum; Wt. 22 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 2 pts; Air Cooled; Rope Starter.                                                       |           |                   |          |            |
| 1942-45                                                                                                                                                                                                                                                                                                                 | 571.44    | S65201 - S69979   | \$ 45.95 |            |
| 1 Cyl; B&S 2" x 1-7/8"; P. Disp. 5.9; HP 3 @ 3600 RPM; Prop. dia. & pitch 8-1/4" x 5"; 2 Bl; C. P. Gap .020; S. P. Champion J-8, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 5 pts; Water Cooled; Rope Starter.                                                       |           |                   |          |            |
| 1945                                                                                                                                                                                                                                                                                                                    | 571.44W   | S70001 - S7E000   | \$ 45.95 |            |
| 1 Cyl; B&S 2" x 1-7/8"; P. Disp. 5.9; HP 3 @ 3600 RPM; Prop. dia. & pitch 8-1/4" x 5"; 2 Bl; C. P. Gap .020; S. P. Champion J-8, Gap .025; Shear Pin 5/32" x 1-3/16", brass; Wt. 40 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 5 pts; Water Cooled; Rope Starter.                                                       |           |                   |          |            |
| 1946                                                                                                                                                                                                                                                                                                                    | 571.5E301 | 1E000             | \$ 56.50 |            |
| 1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43 HP 1-1/4 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 5"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .040; Shear Pin 5/32" x 7/8", Alum; Wt. 19-1/2 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 3-1/2 hrs; Air Cooled; Rope Starter.             |           |                   |          |            |
| 1946                                                                                                                                                                                                                                                                                                                    | 571.5E401 | 19000             | \$ 76.50 |            |
| 1 Cyl; B&S 2" x 1-9/16"; P. Disp. 4.9; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 4-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 29-1/2 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 7-1/2 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.      |           |                   |          |            |
| 1946                                                                                                                                                                                                                                                                                                                    | 571.5E501 | 21000             | \$107.95 |            |
| 2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 3-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 33-3/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 7-1/2 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter. |           |                   |          |            |
| 1946                                                                                                                                                                                                                                                                                                                    | 571.5E601 | 22000             | \$124.95 |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; wt. 37-1/2 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10-1/2 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Rope Starter.   |           |                   |          |            |
| 1947                                                                                                                                                                                                                                                                                                                    | 571.5E511 | 221000            | \$113.95 |            |
| 2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 3-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 37-3/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Water Cooled; Rewind Starter.                                  |           |                   |          |            |
| 1947                                                                                                                                                                                                                                                                                                                    | 571.5E521 | 121000            | \$120.95 |            |
| 2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 3-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 43-1/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rewind Starter.   |           |                   |          |            |
| 1947                                                                                                                                                                                                                                                                                                                    | 571.5E611 | 222000            | \$129.95 |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; wt. 41-1/2 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 11 pts; Water Cooled; Rewind Starter.                                    |           |                   |          |            |
| 1947                                                                                                                                                                                                                                                                                                                    | 571.5E621 | 122000            | \$134.95 |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6 HP 5-1/2" @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 46-1/2 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 11 pts; Water Cooled; Rewind Starter.                                    |           |                   |          |            |
| 1948                                                                                                                                                                                                                                                                                                                    | 571.5E701 | 23000             | \$ 94.50 |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; wt. 37-3/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10-1/2 pts; Water Cooled; Rope Starter.                                      |           |                   |          |            |
| 1948                                                                                                                                                                                                                                                                                                                    | 571.5E721 | 123000            | \$136.95 |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; wt. 46-3/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 11 pts; Run. time full tank 1-1/4 hrs.; Water Cooled; Rewind Starter.        |           |                   |          |            |
| 1949                                                                                                                                                                                                                                                                                                                    | 571.5E731 | 126000            | \$140.00 |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 7 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 8"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; wt. 46-3/4 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 11 pts; Run. time full tank 1 hr; Water Cooled; Rewind Starter.                  |           |                   |          |            |
| 1949                                                                                                                                                                                                                                                                                                                    | 571.5E541 | 125000            | \$125.00 |            |
| 2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Allstate C-13, Gap .050; Shear Pin 5/32" x 1-3/16", brass; Wt. 43 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Water Cooled; Rewind Starter.                                              |           |                   |          |            |



## ELGIN—(Continued)

| Year                                                                                                                                                                                                                                                                                                                                              | Model     | Serial No. | FOB*      | Cash Value |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|-----------|------------|
| 1950                                                                                                                                                                                                                                                                                                                                              | 571-58301 | 301-1 up   | \$ 55.00* |            |
| 1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1-1/4 @ 4000; Prop. dia. & pitch 6-1/2" x 5", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .040; Shear Pin 5/32" x 1/8" Alum; Wt. 19-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 3-1/2 hrs; Air Cooled; Rope Starter.                                         |           |            |           |            |
| 1950                                                                                                                                                                                                                                                                                                                                              | 571-58401 | 401-1 up   | \$ 75.00* |            |
| 1 Cyl; B&S 2" x 1-9/16"; P. Disp. 4.9; HP 2-1/2 @ 4000; Prop. dia. & pitch 7-1/2" x 4-1/2", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 5/32" x 1-3/16" bronze; Wt. 29-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7-1/2 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.                                  |           |            |           |            |
| 1950                                                                                                                                                                                                                                                                                                                                              | 571-58531 | 531-1 up   | \$ 94.50* |            |
| 2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 5 @ 4000; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 5/32" x 1-3/16" bronze; Wt. 37 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7-1/2 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                                              |           |            |           |            |
| 1950                                                                                                                                                                                                                                                                                                                                              | 571-58551 | 551-1 up   | \$119.50* |            |
| 2 Cyl; B&S 1-3/4" x 1-9/16"; P. Disp. 7.52; HP 5 @ 4000; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 5/32" x 1" Steel, slip clutch; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rewind Starter.                                         |           |            |           |            |
| * Chicago Mail Order Price                                                                                                                                                                                                                                                                                                                        |           |            |           |            |
| 1950                                                                                                                                                                                                                                                                                                                                              | 571-58741 | 741-1 up   | \$140.00* |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 7-1/2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 5/32" x 1" Steel, slip clutch; Wt. 49 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 11 pts; Run. time full tank 1 hr; Water Cooled; Rewind Starter.                                   |           |            |           |            |
| 1950                                                                                                                                                                                                                                                                                                                                              | 571-58821 | 821-1 up   | \$277.00* |            |
| 2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24; HP 16 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 10", 3 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 7/32" x 1-1/32" Bronze, cushion drive; Wt. 90 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 46 pts; Run. time full tank 2 hrs. 20 min; Water Cooled; Rewind Starter.                 |           |            |           |            |
| 1951                                                                                                                                                                                                                                                                                                                                              | 571-58301 |            | \$64.50   |            |
| 1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1-1/4 @ 4000; Prop. dia. & pitch 6-1/2" x 5", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .040; Shear pin 5/32" x 7/8" alum; Wt. 19-1/2 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 3-1/2 hrs; Air cooled; Rope starter.                                         |           |            |           |            |
| 1951                                                                                                                                                                                                                                                                                                                                              | 571-58401 |            | \$87.50   |            |
| 1 Cyl; B&S 2" x 1-9/16"; P. Disp. 4.9; HP 2-1/2 @ 4000; Prop. dia. & pitch 7-1/2" x 4-1/2"; 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 5/32" x 1-3/16" bronze; Wt. 29-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7-1/2 pts; Run. time full tank 2-1/2 hrs; Water cooled; Rope starter.                                  |           |            |           |            |
| 1951                                                                                                                                                                                                                                                                                                                                              | 571-58561 | 561-1 up   | \$138.00  |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5 @ 4000; Prop. dia. & pitch 7-1/2" x 6-3/4", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 5/32" x 1" steel; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Rewind rope starter.                                             |           |            |           |            |
| 1951                                                                                                                                                                                                                                                                                                                                              | 571-58641 | 641-1 up   | \$110.00  |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 6 @ 4000; Prop. dia. & pitch 7-1/2" x 6-3/4", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 5/32" x 1-3/16" steel; Wt. 38 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Rope starter.                                               |           |            |           |            |
| 1951                                                                                                                                                                                                                                                                                                                                              | 571-58751 | 751-1 up   | \$159.50  |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 7-1/2 @ 4000; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 3/32" x 1" steel; Wt. 38 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 11 pts; Run. time full tank 1 hr; Water cooled; Rewind rope starter.                                               |           |            |           |            |
| 1951                                                                                                                                                                                                                                                                                                                                              | 571-58821 |            | \$299.00  |            |
| 2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.0; HP 16 @ 4000; Prop. dia. & pitch 9-1/2" x 9-1/2", 3 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 7/32" x 1-1/32" brass; Wt. 192 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5 gals.; Run. time full tank 2-1/3 hrs; Water cooled; Rope rewind starter.                             |           |            |           |            |
| 1951                                                                                                                                                                                                                                                                                                                                              | 571-58841 |            | \$310.00  |            |
| 2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.00; HP 16 @ 4000; Prop. dia. & pitch 9-1/2" x 9-1/2", 3 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 7/32" x 1-1/32" brass; Wt. 195 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5 gals.; Run. time full tank 2-1/3 hrs; Water cooled; Rope rewind starter. (6" longer drive shaft.)   |           |            |           |            |
| 1952                                                                                                                                                                                                                                                                                                                                              | 571-58201 |            | \$ 88.00  |            |
| 1 Cyl; B&S 1-3/4" x 19/16"; P. Disp. 3.76; HP 2.0 @ 4000; Prop. dia. & pitch 6-1/2" x 4" LH, 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear Pin 5/32" x 1-3/16" Brass; Wt. 27 lbs; Oil 1/2 pt. SAE 30 or 40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr; Gear Lub. Elgin Waterproof; Air cooled; Rope starter.               |           |            |           |            |
| 1952                                                                                                                                                                                                                                                                                                                                              | 571-58561 |            | \$141.00  |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5 @ 4000; Prop. dia. & pitch 7-1/2" x 6-3/4", LH, 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 5/32" x 1" steel; Wt. 47-3/4 lbs; Oil 1/2 pt. SAE-30 or 40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Gear Lub. Soc. Vac-UW. Water cooled; Rewind rope starter.           |           |            |           |            |
| 1952                                                                                                                                                                                                                                                                                                                                              | 571-58751 |            | \$166.00  |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 7-1/2 @ 4000; Prop. dia. & pitch 7-1/2" x 8" LH, 2 Bl; C. P. Gap .020; S. P. Allstate A4-120, Gap .050; Shear pin 5/32" x 1" steel; Wt. 48-1/4 lbs; Oil 1/2 pt. SAE-30 or 40 per gal; Fuel cap. 11 pts; Run. time full tank 1 hr; Gear Lub. Elgin Waterproof; Water cooled; Rewind rope starter.      |           |            |           |            |
| 1952                                                                                                                                                                                                                                                                                                                                              | 571-58822 |            | \$310.00  |            |
| 2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.00; HP 16 @ 4000; Prop. dia. & pitch 9-1/2" x 9-1/2" RH, 3 Bl; C. P. Gap .015; S. P. Allstate A4-85, Gap .035; Shear pin 7/32" x 1-1/32" bronze; Wt. 92 lbs; Oil 1/2 pt. SAE-30 or 40 per gal; Fuel cap. 5 gals.; Run. time full tank 2 hrs; Gear Lub. Soc. Vac-UW; Water cooled; Rope rewind starter. |           |            |           |            |

\* Chicago Mail Order Price.

EI 5204  
(Replace EI 5005)

EI 5204  
(Replace EI 5005)



## ELGIN—(Continued)

| Year                                                                                                                                                                                                                                                                                                                                    | Model     | Serial No. | FOB*     | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|------------|
| 1953                                                                                                                                                                                                                                                                                                                                    | 571.58202 | 202-1 up   | \$88.00  |            |
| 1 Cyl; B&S 1¾" x 1-9/16"; P. Disp. 3.76; HP 2.0 @ 4000 RPM; Prop dia. & pitch 6-½" x 4"; 2 BL; C. P. Gap .020; S. P. Champ J12J; Gap .050; Shear pin 5/32" x 1¼"; brass; Wt. 27 lbs; Oil ½ pt. SAE-30 per gal; Fuel cap 5 pts; Run. time full tank 2 hrs; Gear Lub. Elgin; Air cooled; Rope rewind starter.                             |           |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                    | 571.58562 | 562-1 up   | \$143.00 |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5.0 @ 4000 RPM; Prop dia. & pitch 7½" x 7"; 2 BL; C. P. Gap .020; S. P. Champ J12J; Gap .050; Shear pin 5/32" x 1-1/16"; steel; Wt. 48½ lbs; Oil ½ pt. SAE-30-40 per gal; Fuel cap 8 pts; Run. time full tank 1 hr; Gear Lub. Elgin; Water cooled; Automatic Rewind Starter.                |           |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                    | 571.58761 | 761-1 up   | \$165.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop dia. & pitch 7½" x 8"; 2 BL; C. P. Gap .020; S. P. Champ J11J; Gap .050; Shear pin 5/32" x 1-1/16"; steel; Wt. 50½ lbs; Oil ½ pt. SAE-30-40 per gal; Fuel cap 11 pts; Run. time full tank 1 hr; Gear Lub. Elgin; water cooled, Automatic rewind starter.          |           |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                    | 571.58823 | 823-1 up   | \$310.00 |            |
| 1953                                                                                                                                                                                                                                                                                                                                    | 571.58824 | 824-1 up   | \$310.00 |            |
| 2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.0; HP 16.0 @ 4000 RPM; Prop dia. & pitch 9" x 11"; 2 BL; C. P. Gap .020; S. P. Champ J12J; Gap .050; Shear pin 7/32" x 1-1/8"; bronze; Wt. 92 lbs; Oil ½ pt. SAE-30-40 per gal; Fuel Cap 5.7 gals; Run time full tank 2-1/3 hrs; Gear lub. Elgin; water cooled; Automatic rewind starter.    |           |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                    | 571.58844 | 844-1 up   | \$320.00 |            |
| 2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.0; HP 16.0 @ 4000 RPM; Prop dia. & pitch 9" x 11"; 2 BL; C. P. Gap .020; S. P. Champ J12J; Gap .050; Shear pin 7/32" x 1-1/8"; bronze; Wt. 95 lbs; Oil ½ pt. SAE-30-40 per gal; Fuel Cap 5.7 gals; Run. time full tank 2-1/3 hrs; Gear lub. Elgin; water cooled; Automatic rewind starter.   |           |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                    | 571.58211 |            | \$ 92.50 |            |
| 1 Cyl; B&S 1¾" x 1-9/16"; P. Disp. 3.76; HP 2 @ 4000 RPM; Prop. dia. & pitch 6.5 x 4.0; 2 Bl; C. P. Cap .020; S. P. Champ. J11J; Shear Pin 5/32" x 1-3/16" naval bronze; Wt. 28¾ lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 5 pts; Run. time full tank 2 hrs; Air cooled; Gear lub. Elgin waterproof; Auto. rewind starter.              |           |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                    | 571.58571 |            | \$154.50 |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5 @ 4000 RPM; Prop. dia. & pitch 7.5 x 6.75; 2 Bl; C. P. Cap .020; S. P. Champ. J12J; Shear Pin 5/32" x 1" stainless steel; Wt. 51 lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 8.3 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin waterproof; Auto. rewind starter.             |           |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                    | 571.58651 |            |          |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 6 @ 4000 RPM; Prop. dia. & pitch 7.5" x 7.5"; 2 Bl; C. P. Gap .020; S. P. Champ. J12J; Shear Pin 5/32" x 1-3/16" naval bronze; Wt. 41½ lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 10.5 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin waterproof; Rope starter.                |           |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                    | 571.58652 |            |          |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 6 @ 4000 RPM; Prop. dia. & pitch 7.5" x 7.5"; 2Bl; C. P. Gap .020; S. P. Champ. J12J; Shear Pin 5/32" x 1-5/16" naval bronze; Wt. 41½ lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 10.5 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin waterproof; Rope starter.                 |           |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                    | 571.58771 |            | \$184.50 |            |
| 2 Cyl; B&S 2¼" x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 7.5" x 8"; 2 Bl; C. P. Gap .020; S. P. Champ. J11J; Shear Pin 5/32" x 1", stainless steel; Wt. 52 lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 11 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin waterproof; Auto. rewind starter.          |           |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                    | 571.58772 |            |          |            |
| 2 Cyl; B&S 2¼" x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 7.5" x 8"; 2 Bl; C. P. Gap .020; S. P. Champ. J11J; Shear Pin 5/32" x 1", stainless steel; Wt. 52 lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 11 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin waterproof; Auto. rewind starter.          |           |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                    | 571.58851 |            | \$249.50 |            |
| 2 Cyl; B&S 2-9/16" x 2-21/64"; P. Disp. 24.0; HP 16 @ 4000 RPM; Prop. dia. & pitch 9.0" x 11.0"; 2 Cyl; C. P. Gap .020; S. P. Champ. J12J; Shear Pin 7/32" x 1-1/32", naval bronze; Wt. 90 lbs.; Oil ½ pt; SAE-30 per gal; Fuel Cap. 46 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Elgin waterproof; Auto. rewind starter. |           |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                    | 571.58901 |            | \$254.95 |            |
| 2 Cyl; B&S 2¾" x 2"; P. Disp. 17.72; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 8½" x 8"; 3 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 3/16" x 1-1/32" stain.; Wt. 59 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.       |           |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                    | 571.59401 |            | \$364.95 |            |
| 2 Cyl; B&S 3" x 2-2/3"; P. Disp. 37.71; HP 25 @ 4000 RPM; Prop. dia. & pitch 10¾" x 11½"; 3 Bl; C. P. Gap .020; S. P. Champ. H9J Gap .035; Shear Pin ¼" x 1-1/16" stain.; Wt. 110 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 1¾ hrs; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.     |           |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                    | 571.58711 |            | \$129.95 |            |
| Cyl; B&S 2½" x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 7½" x 8"; Bl; C. P. Gap .020; S. P. Champ J11J Gap .050; Shear Pin 5/32" x 1" Naval Brass; Wt. 47 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 11 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.        |           |            |          |            |



## ELGIN—(Continued)

| Year                                                                                                                                                                                                                                                                                                                                                                                                  | Model     | Serial No. | FOB      | Cash Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|----------|------------|
| 1955-56                                                                                                                                                                                                                                                                                                                                                                                               | 571.5890  |            | \$279.95 |            |
| 2 Cyl; B&S 2 $\frac{3}{8}$ " x 2"; P. Disp. 17.72; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 8 $\frac{1}{2}$ " x 8"; 3 Bl; C. P. Gap .020; S. P. Champ. H8J Gap .035; Shear Pin 3/16" x 1-1/32" stain.; Wt. 60 lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.                              |           |            |          |            |
| 1955-56                                                                                                                                                                                                                                                                                                                                                                                               | 571.5940  |            | \$379.95 |            |
| 2 Cyl; B&S 3" x 2-2/3"; P. Disp. 37.71; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 11 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. Champ. H8J Gap .035; Shear Pin $\frac{1}{4}$ " x 1-1/16" stain.; Wt. 114 lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 1 $\frac{1}{4}$ hrs; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter. |           |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                                                  | 571.58711 |            | \$129.95 |            |
| 2 Cyl; B&S 2 $\frac{1}{8}$ " x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 7 $\frac{1}{4}$ " x 8"; Bl; C. P. Gap .020; S. P. Champ J11J Gap .050; Shear Pin 5/32" x 1" Naval Brass; Wt. 47 lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 11 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.                            |           |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                  | 571.5950  |            | \$184.95 |            |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.6; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 7 $\frac{1}{4}$ " x 7"; 2 Bl; C. P. Gap .020; S. P. H10J Gap .035; Shear Pin 5/32" x 31/32" s/s Wt. 57 lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal.; Fuel Cap. 36 pts.; Run. time full tank 5 hr.; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.                                                  |           |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                  | 571.5970  |            | \$199.95 |            |
| 2 Cyl; B&S 2 $\frac{1}{8}$ " x 1-11/16"; P. Disp. 11.97; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 8" x 8"; 2 Bl; C. P. Gap .020; S. P. H8J Gap .035; Shear Pin 5/32" x 31/32" s/s; Wt. 57 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 36 pts.; Run. time full tank 4 hr.; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.                                                |           |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                  | 571.5960  |            | \$449.95 |            |
| 2 Cyl; B&S 3" x 2-2/3"; P. Disp. 37.71; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{1}{8}$ " x 11 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. H8J Gap .035; Shear Pin $\frac{1}{4}$ " x 1-1/16" s/s; Wt. 118 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 $\frac{1}{4}$ hr.; Water cooled; Gear lub. Elgin Waterproof; Electric starter.                |           |            |          |            |



**ELTO**  
Evinrude Motors  
5720 N. 27th St., Milwaukee 9, Wis.

| Year                                                                                                                                                                                                                                                                                                                                                         | Model                              | Serial No. | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------|----------|------------|
| 1935                                                                                                                                                                                                                                                                                                                                                         | <b>Fisherman 4092</b>              |            | \$ 95.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4 @ 3250 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 B1; C. P. Gap .020; S. P. Champion M-6 Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.                                            |                                    |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                                         | <b>Lightwin 4099</b>               |            | \$115.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.6 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/15" x 1-1/8", H. H. Brass; Wt. 40 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.                                         |                                    |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                                         | <b>Lightwin 4106</b>               |            | \$145.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 B1; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 49-1/2 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr; Water Cooled; Cord Starter.                                                     |                                    |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                                         | <b>Lightwin 4108</b>               |            | \$160.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 B1; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 49-1/2 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr; Water Cooled; Simplex Starter.                                                  |                                    |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                                         | <b>Imperial 4115</b>               |            | \$167.50 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 B1; C. P. Gap .020; S. P. Champion M-5J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.                                 |                                    |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                                         | <b>Imperial 4117</b>               |            | \$182.50 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 B1; C. P. Gap .020; S. P. Champion M-5J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.                                          |                                    |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                                         | <b>Speeditwin 6015</b>             |            | \$245.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 21.1 @ 4000 RPM; Prop. dia. & pitch 11" x 11", 3 B1; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.                                                                             |                                    |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                                         | <b>Speediquad 7013</b>             |            | \$325.00 |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 31.2 @ 4000 RPM; Prop. dia. & pitch 11" x 13", 3 B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pts SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.                                                                                |                                    |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Pal 4203</b>                    |            | \$ 37.50 |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP .9 @ 3500 RPM; Prop. dia. & pitch 6" x 5", 2 Semi Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", No. 3 Sh. Alum. Rod; Wt. 14 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 1-3/4 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.           |                                    |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Ace 4205</b>                    |            | \$ 45.00 |            |
| 1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 1.4 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Semi Weedless B1; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 5/16", No. 3 Sh. Alum. Rod; Wt. 22-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 45 min; Water Cooled; Cord Starter. |                                    |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Handitwin 4212</b>              |            | \$ 65.50 |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Handitwin 4213—5" longer</b>    |            | \$ 70.00 |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 2.5 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 29-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter            |                                    |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Service Twin 4214</b>           |            | \$ 97.50 |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Service Twin 4215—5" longer</b> |            | \$105.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr; Water Cooled; Cord Starter.                                        |                                    |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Service Twin 4216</b>           |            | \$ 95.00 |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Service Twin 4217—5" longer</b> |            | \$102.50 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr; Water Cooled; Cord Starter.                                        |                                    |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Service Twin 4218</b>           |            | \$102.50 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr; Water Cooled; Cord Starter.                                        |                                    |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Handifour 4219</b>              |            | \$157.50 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.                         |                                    |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Service Twin 4229</b>           |            | \$112.50 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr; Water Cooled; Cord Starter.                                        |                                    |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Speeditwin 6026</b>             |            | \$250.00 |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Speeditwin 6027—5" longer</b>   |            | \$260.00 |            |
| 2 Cyl. B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts; SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 30 min. to 45 min; Water Cooled; Cord Starter.                       |                                    |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                         | <b>Speeditwin 6028</b>             |            | \$300.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 30 min. to 45 min.; Water Cooled; Cord Starter.                      |                                    |            |          |            |



## ELTO (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                     | Model                     | Serial No. | FOB      | Cash Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|----------|------------|
| 1937                                                                                                                                                                                                                                                                                                                                                     | Speeditwin 6029           |            | \$310.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2"; 3 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 30 min. 1 45 min.; Water Cooled; Cord Starter.                   |                           |            |          |            |
| 1938                                                                                                                                                                                                                                                                                                                                                     | Pal 4253                  |            | \$ 37.50 |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5"; 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", No. 3 Sh. Alum. Rod; Wt. 14 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 1-3/4 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.      |                           |            |          |            |
| 1938                                                                                                                                                                                                                                                                                                                                                     | Ace 4256                  |            | \$ 47.50 |            |
| 1938                                                                                                                                                                                                                                                                                                                                                     | Ace 4257—5" longer        |            | \$ 52.50 |            |
| 1 Cyl; B&S 1-1/4" x 1-35/64"; P. Disp. 3-3/4; HP 1.8 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 5/16", No. 3 Sh. Alum. Rod; Wt. 23 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 45 min; Water Cooled; Cord Starter. |                           |            |          |            |
| 1938                                                                                                                                                                                                                                                                                                                                                     | Handitwin 4261            |            | \$ 67.50 |            |
| 1938                                                                                                                                                                                                                                                                                                                                                     | Handitwin 4262—5" longer  |            | \$ 72.50 |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 2.8 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 29-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.       |                           |            |          |            |
| 1938                                                                                                                                                                                                                                                                                                                                                     | Speeditwin 6034           |            | \$260.00 |            |
| 1938                                                                                                                                                                                                                                                                                                                                                     | Speeditwin 6035—5" longer |            | \$270.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2"; 3 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/2", Mang. Metal; Wt. 105 lbs; Oil 1-1/2 pts SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 30 min. to 45 min; Water Cooled; Cord Starter.                    |                           |            |          |            |
| 1938                                                                                                                                                                                                                                                                                                                                                     | Speeditwin 6036           |            | \$310.00 |            |
| 1938                                                                                                                                                                                                                                                                                                                                                     | Speeditwin 6037—5" longer |            | \$320.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2"; 3 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/2" Mang. Metal; Wt. 105 lbs; Oil 1-1/2 pts; SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 30 min. to 45 min; Water Cooled; Electric Starter.                |                           |            |          |            |
| 1939                                                                                                                                                                                                                                                                                                                                                     | Ace 4301                  |            | \$ 47.50 |            |
| 1939                                                                                                                                                                                                                                                                                                                                                     | Ace 4302—5" longer        |            | \$ 52.50 |            |
| 1 Cyl; B&S 1-1/4" x 1-35/64"; P. Disp. 3-3/4; HP 1.8 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 5/16", No. 3 Sh. Alum. Rod; Wt. 23 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 45 min; Water Cooled; Cord Starter. |                           |            |          |            |
| 1939                                                                                                                                                                                                                                                                                                                                                     | Handitwin 4307            |            | \$ 67.50 |            |
| 1939                                                                                                                                                                                                                                                                                                                                                     | Handitwin 4308—5" longer  |            | \$ 72.50 |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 2500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 32 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts. Run time full tank 45 min. to 1 hr. 15 min. Water Cooled; Cord Starter.            |                           |            |          |            |
| 1939                                                                                                                                                                                                                                                                                                                                                     | Ace 4329                  |            | \$ 47.50 |            |
| 1939                                                                                                                                                                                                                                                                                                                                                     | Ace 4331—5" longer        |            | \$ 52.50 |            |
| 1 Cyl; B&S 1-1/4" x 1-35/64"; P. Disp. 3-3/4; HP 1.8 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 5/16", Sh. Alum. Rod; Wt. 23 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 45 min; Water Cooled; Cord Starter.       |                           |            |          |            |
| 1939-41                                                                                                                                                                                                                                                                                                                                                  | Cub 4264                  |            | \$ 29.50 |            |
| 1 Cyl; B&S 1-1/8" x 1"; P. Disp. 1; HP .5 @ 4000 RPM; Prop. dia. & pitch 5-1/2" x 4-3/4", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion J-4, Gap .025; Shear Pin 1/8" x 11/16", No. 3 Sh. Alum. Rod; Wt. 8-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 1 pt; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Cord Starter.              |                           |            |          |            |
| 1939-41                                                                                                                                                                                                                                                                                                                                                  | Pal 4266                  |            | \$ 37.50 |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", No. 3 Sh. Alum. Rod; Wt. 14 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 1-3/4 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.      |                           |            |          |            |
| 1939-41                                                                                                                                                                                                                                                                                                                                                  | Fleetwin 4335             |            | \$167.50 |            |
| 1939-41                                                                                                                                                                                                                                                                                                                                                  | Fleetwin 4336—5" longer   |            | \$175.00 |            |
| 2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 15; HP 8.5 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 66 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 9 pts; Run. time full tank 30 min. to 45 min; Water Cooled; Cord Starter.                               |                           |            |          |            |
| 1939-41                                                                                                                                                                                                                                                                                                                                                  | Lightwin 4337             |            | \$ 97.50 |            |
| 1939-41                                                                                                                                                                                                                                                                                                                                                  | Lightwin 4338—5" longer   |            | \$135.00 |            |
| 1939-41                                                                                                                                                                                                                                                                                                                                                  | Lightwin 4339—15" longer  |            | \$147.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 40 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.                       |                           |            |          |            |
| 1940-41                                                                                                                                                                                                                                                                                                                                                  | Ace 4351                  |            | \$ 47.50 |            |
| 1940-41                                                                                                                                                                                                                                                                                                                                                  | Ace 4352—5" longer        |            | \$ 52.50 |            |
| 1 Cyl; B&S 1-1/4" x 1-35/64"; P. Disp. 3-3/4; HP 1.8 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 5/16", No. 3 Sh. Alum. Rod; Wt. 21 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 45 min; Water Cooled; Cord Starter.      |                           |            |          |            |
| 1940-41                                                                                                                                                                                                                                                                                                                                                  | Handitwin 4357            |            | \$ 67.50 |            |
| 1940-41                                                                                                                                                                                                                                                                                                                                                  | Handitwin 4358—5" longer  |            | \$ 72.50 |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 2500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 32 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.           |                           |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                     | Sportster 4432            |            | \$149.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; S. P. Gap .025; Shear Pin 3/16" x 15/16", Alum.; Wt. 45 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 to 1-1/4 hrs; 2 stage centrifugal; Simplex Starter.                        |                           |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                     | Speedster 5101            |            | \$245.00 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4" x 8-3/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; S. P. Gap .025; Shear pin 13/64" x 1-3/16"; Wt. 65 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 12 pts; Run. time full tank 1 to 1-1/4 hrs; 2 stage centrifugal; Simplex Starter.                              |                           |            |          |            |



# EVINRUDE

Evinrude Motors

5720 N. 27th St., Milwaukee 9, Wis.

| Year                                                                                                                                                                                                                                                                                                                                       | Model               | Serial No. | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|----------|------------|
| 1935                                                                                                                                                                                                                                                                                                                                       | Sportsman           | 4091       | \$ 55.00 |            |
| 1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3.75; HP 1.5 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J-1-15, Gap .025; Shear Pin 3/16" x 15/16", No. 3 St. Alum. Rod; Wt. 24-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3 pts; Run. time full tank 1 hr. to 1 hr. 15 min.; Water Cooled; Cord Starter.     |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Fisherman           | 4093       | \$ 95.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4 @ 3250 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.                        |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Lightwin            | 4097       | \$115.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.6 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8" Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 44 lbs; Oil 1/3 pt. SAE-40; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.                                 |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Lightwin            | 4102       | \$145.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 Bl; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 49-1/2 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr.; Water Cooled; Cord Starter.                                  |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Lightwin            | 4104       | \$160.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 Bl; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr.; Water Cooled; Simplex Starter.                                               |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Imperial            | 4111       | \$167.50 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.             |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Imperial            | 4113       | \$182.50 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Simplex Starter.                      |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Weedless Fisherman  | 4121       | \$105.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4 @ 3250 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.                        |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Reversing Fisherman | 4122       | \$100.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4 @ 3250 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.                        |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Speeditwin          | 6011       | \$245.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 21.1 @ 4000 RPM; Prop. dia. & pitch 11" x 11", 3 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.                                                           |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Speeditwin          | 6013       | \$295.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 21.1 @ 4000 RPM; Prop. dia. & pitch 11" x 11", 3 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Electric Starter.                                                                    |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Speediquad          | 7008       | \$325.00 |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 31.2 @ 4000 RPM; Prop. dia. & pitch 11" x 13", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.                                                             |                     |            |          |            |
| 1935                                                                                                                                                                                                                                                                                                                                       | Speediquad          | 7011       | \$375.00 |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 31.2 @ 4000 RPM; Prop. dia. & pitch 11" x 13", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Electric Starter.                                                                      |                     |            |          |            |
| 1935-36                                                                                                                                                                                                                                                                                                                                    | Sportfour Imperial  |            | \$235.00 |            |
| 4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/16", H. H. Brass; Wt. 120 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr; Water Cooled; Cord Starter.                                               |                     |            |          |            |
| 1935-36                                                                                                                                                                                                                                                                                                                                    | Sportfour Imperial  |            | \$285.00 |            |
| 4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/16", H. H. Brass; Wt. 120 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr; Water Cooled; Electric Starter.                                           |                     |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                       | Ace                 | 4145       | \$ 45.00 |            |
| 1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3.75; HP 1.4 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 5/16" x 15/16", H. H. Brass; Wt. 22-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min.; Water Cooled; Cord Starter.    |                     |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                       | Sportsman           | 4145       | \$ 55.00 |            |
| 1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3.75; HP 1.5 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J-1-15, Gap .025; Shear Pin 3/16" x 15/16", No. 3 St. Alum. Rod; Wt. 24-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 3 pts; Run. time full tank 1 hr. to 1 hr. and 15 min.; Water Cooled; Cord Starter. |                     |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                       | Fisherman           | 4148       | \$110.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.4 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 46 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. and 15 min.; Water Cooled; Cord Starter.                  |                     |            |          |            |



## EVINRUDE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                            | Model                         | Serial No. | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------|----------|------------|
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Fisherman</b>              | 4152       | \$120.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.4 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 46 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. and 15 min.; Water Cooled; Cord Starter.                                       |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Lightwin</b>               | 4153       | \$115.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.7 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 42 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr. and 15 min.; Water Cooled; Cord Starter.                                       |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Sportwin</b>               | 4156       | \$ 77.00 |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 2.5 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J1-15; Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 32 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. to 1 hr. and 15 min.; Water Cooled; Cord Starter.                          |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Handitwin</b>              | 4158       | \$65.00  |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 2.5 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 5/16" x 15/16", H. H. Brass; Wt. 29-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr.; Water Cooled; Cord Starter.                                          |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Service Twin</b>           | 4161       | \$ 95.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 5/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr.; Water Cooled; Cord Starter.                                                   |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Lightwin</b>               | 4165       | \$145.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 Bl; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 49-1/2 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr.; Water Cooled; Cord Starter.                                                       |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Lightwin</b>               | 4168       | \$160.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5 @ 4000 RPM; Prop. dia. & pitch 8-1/4" x 8", 2 Bl; C. P. Gap .020; S. P. AC G-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 30 min. to 1 hr.; Water Cooled; Simplex Starter.                                                                    |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Imperial</b>               | 4178       | \$167.50 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Cord Starter.                                  |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Imperial</b>               | 4181       | \$182.50 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min.; Water Cooled; Simplex Starter.                                           |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Speeditwin</b>             | 6018       | \$245.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 21.1 @ 4000 RPM; Prop. dia. & pitch 11" x 11", 3 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 105 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.                                                                                |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Speeditwin</b>             | 6021       | \$295.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 21.1 @ 4000 RPM; Prop. dia. & pitch 11" x 11", 3 Bl; C. P. Gap .020; S. P. Champion M-5-J, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Electric Starter.                                                                                         |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Speediquad</b>             | 7015       | \$325.00 |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 31.2 @ 4000 RPM; Prop. dia. & pitch 11" x 13", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.                                                                                  |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Speediquad</b>             | 7017       | \$375.00 |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 31.2 @ 4000 RPM; Prop. dia. & pitch 11" x 13", 3 Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Electric Starter.                                                                                           |                               |            |          |            |
| 1936                                                                                                                                                                                                                                                                                                                                                            | <b>Reversing Service Twin</b> |            | \$100.00 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.3 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion C-7, Gap .025; Shear Pin 5/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 45 min. to 1 hr.; Water Cooled; Cord Starter.                                                   |                               |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                            | <b>Sportwin</b>               | 4209       | \$ 82.50 |            |
| 4211—5" longer                                                                                                                                                                                                                                                                                                                                                  |                               |            |          |            |
| \$ 87.50                                                                                                                                                                                                                                                                                                                                                        |                               |            |          |            |
| 2 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 6.6; HP 2.5 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Semi-Weedless Bl; C. P. Gap .020; S. P. Champion J1-15, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 35 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min.; Water Cooled; Cord Starter. |                               |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                            | <b>Lightwin</b>               | 4221       | \$125.00 |            |
| 4222—5" longer                                                                                                                                                                                                                                                                                                                                                  |                               |            |          |            |
| \$132.50                                                                                                                                                                                                                                                                                                                                                        |                               |            |          |            |
| 4223—15" longer                                                                                                                                                                                                                                                                                                                                                 |                               |            |          |            |
| \$145.00                                                                                                                                                                                                                                                                                                                                                        |                               |            |          |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.7 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 13/16" x 15/16", H. H. Brass; Wt. 44 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min.; Water Cooled; Cord Starter.                       |                               |            |          |            |
| 1937                                                                                                                                                                                                                                                                                                                                                            | <b>Lightwin</b>               | 4224—H. D. | \$155.00 |            |
| 4225—5" longer—H. D.                                                                                                                                                                                                                                                                                                                                            |                               |            |          |            |
| \$162.50                                                                                                                                                                                                                                                                                                                                                        |                               |            |          |            |
| 4226—15" longer—H. D.                                                                                                                                                                                                                                                                                                                                           |                               |            |          |            |
| \$175.00                                                                                                                                                                                                                                                                                                                                                        |                               |            |          |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.7 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 41 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min.; Water Cooled; Cord Starter.                         |                               |            |          |            |



## EVINRUDE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                       | Model              | Serial No.                                                                                                         | FOB                                                                  | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|------------|
| 1937                                                                                                                                                                                                                                                                                                                                                       | Fisherman          | 4227<br>4228—5" longer                                                                                             | \$115.00<br>\$122.50                                                 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.4 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.                     |                    |                                                                                                                    |                                                                      |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Lightfour          | 4231<br>4232—5" longer<br>4233—15" longer<br>4234—5" longer—H. D.<br>4235—5" longer—H. D.<br>4236—15" longer—H. D. | \$175.00<br>\$182.50<br>\$195.00<br>\$205.00<br>\$212.50<br>\$225.00 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.                       |                    |                                                                                                                    |                                                                      |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Lightfour          | 4237<br>4238—5" longer<br>4239—15" longer                                                                          | \$185.00<br>\$192.50<br>\$205.00                                     |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.                    |                    |                                                                                                                    |                                                                      |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Lightfour          | 4241—5" longer—H. D.<br>4242—5" longer—H. D.<br>4243—15" longer—H. D.                                              | \$215.00<br>\$222.50<br>\$235.00                                     |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.2 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.                     |                    |                                                                                                                    |                                                                      |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Midget Racing      | 4244                                                                                                               | \$125.00                                                             |            |
| 2 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 7.42; HP high speed @ 5000 RPM; Prop. dia. & pitch 6-3/4" x 8-1/2", L. H. B1; C. P. Gap .020; S. P. Champion R-2S, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 35 lbs; Oil 1-1/2 pts. SAE-60 per gal; Fuel cap. 4 pts; Water Cooled; Cord Starter.                                                         |                    |                                                                                                                    |                                                                      |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Weedless Fisherman | 4251                                                                                                               | \$130.00                                                             |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.4 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.                    |                    |                                                                                                                    |                                                                      |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Speeditwin Racing  | 6033                                                                                                               | \$395.00                                                             |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 30.6 @ 6000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .015; S. P. Champion R-11S, Gap .018; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 93 lbs; Oil 2 pts. SAE-60 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.                                                               |                    |                                                                                                                    |                                                                      |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Speedifour         | 7022<br>7023—5" longer                                                                                             | \$335.00<br>\$345.00                                                 |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 13", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pt. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.                                                                 |                    |                                                                                                                    |                                                                      |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | 4-60               | 8004                                                                                                               | \$495.00                                                             |            |
| 4 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 50; HP @ 5500 RPM; Prop. dia. & pitch 10-1/2" x 18", 2 L. H. B1; C. P. Gap .015; S. P. Champion R-11S, Gap .018; Shear Pin 1/2" x 1-1/2", Mang. Screw Stock; Wt. 134 lbs; Oil 2 pts. SAE-60 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.                                                                    |                    |                                                                                                                    |                                                                      |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Speedifour         | 7024-7025—5" longer                                                                                                |                                                                      |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 14", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pt. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Electric Starter.                                                             |                    |                                                                                                                    |                                                                      |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Sportfour          | 9022                                                                                                               | \$295.00                                                             |            |
| 4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 90 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Cord Starter.                                                                                  |                    |                                                                                                                    |                                                                      |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Sportfour          | 9023—5" longer                                                                                                     | \$305.00                                                             |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Sportfour          | 9024                                                                                                               | \$295.00                                                             |            |
| 1937                                                                                                                                                                                                                                                                                                                                                       | Sportfour          | 9025—5" longer                                                                                                     | \$305.00                                                             |            |
| 4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 90 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Electric Starter.                                                                              |                    |                                                                                                                    |                                                                      |            |
| 1938                                                                                                                                                                                                                                                                                                                                                       | Ranger             | 4252                                                                                                               | \$ 47.50                                                             |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5", 2 Semi Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", No. 3 Sh. Alum. Rod; Wt. 16 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Cord Starter.                  |                    |                                                                                                                    |                                                                      |            |
| 1938                                                                                                                                                                                                                                                                                                                                                       | Sportwin           | 4258<br>4259—5" longer                                                                                             | \$ 92.50<br>\$ 97.50                                                 |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion J1-15, Gap .025; Shear Pin 3/16" x 15/16", No. 3 Sh. Alum. Rod; Wt. 35 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Simplex Starter. |                    |                                                                                                                    |                                                                      |            |
| 1938                                                                                                                                                                                                                                                                                                                                                       | Fisherman          | 4267<br>4268—5" longer                                                                                             | \$115.00<br>\$122.50                                                 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.7 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.                     |                    |                                                                                                                    |                                                                      |            |
| 1938                                                                                                                                                                                                                                                                                                                                                       | Fisherman          | 4269—Weedless                                                                                                      | \$135.00                                                             |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 4.7 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.                    |                    |                                                                                                                    |                                                                      |            |



## EVINRUDE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                | Model              | Serial No.             | FOB                  | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|------------------------|----------------------|------------|
| 1939                                                                                                                                                                                                                                                                                                                                                | Sportwin           | 4305<br>4306—5" longer | \$ 89.50<br>\$ 94.50 |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 11S-T3 Alum.; Wt. 35 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Simplex Starter. |                    |                        |                      |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Fisherman          | 4309<br>4311—5" longer | \$115.00<br>\$122.50 |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5.4 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H.H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.              |                    |                        |                      |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Weedless Fisherman | 4312                   | \$135.00             |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10; HP 5.4 @ 3750 RPM; Prop. dia. & pitch 7-1/2" x 8", 2 Weedless Bl; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H.H. Brass; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 15 min. to 1 hr. 30 min; Water Cooled; Cord Starter.              |                    |                        |                      |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Lightfour          | 4316—5" longer         | \$184.50             |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Lightfour          | 4317—15" longer        | \$197.50             |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H.H. Brass; Wt. 60 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.                 |                    |                        |                      |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Lightfour          | 4318—5" longer—H. D.   | \$207.50             |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Lightfour          | 4319—5" longer—H. D.   | \$214.50             |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Lightfour          | 4321—15" longer—H. D.  | \$227.50             |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H.H. Brass; Wt. 60 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.                  |                    |                        |                      |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Lightfour          | 4322                   | \$187.50             |            |
|                                                                                                                                                                                                                                                                                                                                                     |                    | 4323—5" longer         | \$194.50             |            |
|                                                                                                                                                                                                                                                                                                                                                     |                    | 4324—15" longer        | \$207.50             |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H.H. Brass; Wt. 60 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.              |                    |                        |                      |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Lightfour          | 4325—5" longer—H. D.   | \$217.50             |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Lightfour          | 4326—5" longer—H. D.   | \$224.50             |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Lightfour          | 4327—15" longer—H. D.  | \$237.50             |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H.H. Brass; Wt. 60 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.               |                    |                        |                      |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Sportfour          | 9031                   | \$245.00             |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Sportfour          | 9032—5" longer         | \$255.00             |            |
| 4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 9-3/4" x 9-3/4", 3 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H.H. Brass; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Cord Starter.                                                                      |                    |                        |                      |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Sportfour          | 9033                   | \$295.00             |            |
| 1939                                                                                                                                                                                                                                                                                                                                                | Sportfour          | 9034—5" longer         | \$305.00             |            |
| 4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 16.2 @ 4000 RPM; Prop. dia. & pitch 9-3/4" x 9-3/4", 3 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H.H. Brass; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Electric Starter.                                                                  |                    |                        |                      |            |
| 1939-40                                                                                                                                                                                                                                                                                                                                             | Speeditwin Racing  | 6042                   | \$395.00             |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 30.6 @ 6000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless Bl; C. P. Gap .015; S. P. Champion R-11S, Gap .018; Shear Pin 1/2" x 1-1/2", Mang. Screw Stock; Wt. 110 lbs; Oil 2 pts. SAE-60 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.                                                 |                    |                        |                      |            |
| 1939-41                                                                                                                                                                                                                                                                                                                                             | 4-60               |                        | \$495.00             |            |
| 4 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 50; HP @ 5500 RPM; Prop. dia. & pitch 10-1/2" x 18", 2 L. H. Blades; C. P. Gap .015; S. P. Champion R-11S, Gap .018; Shear Pin 1/2" x 1-1/2", Mang. Screw Stock; Wt. 134 lbs; Oil 2 pts. SAE-60 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.                                                         |                    |                        |                      |            |
| 1939-41                                                                                                                                                                                                                                                                                                                                             | Midget Racing      | 4328                   | \$135.00             |            |
| 2 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 7.42; HP high speed @ 5000 RPM; Prop. dia. & pitch 6-3/4" x 8-1/2", 2 L. H. Bl; C. P. Gap .020; S. P. Champion R-2S, Gap .025; Shear Pin 3/16" x 15/16", H.H. Brass; Wt. 35 lbs; Oil 1-1/2 pts. SAE-60 per gal; Fuel cap. 4 pts; Water Cooled; Cord Starter.                                                 |                    |                        |                      |            |
| 1939-42                                                                                                                                                                                                                                                                                                                                             | Mate               | 4263                   | \$29.94<br>\$ 34.50  |            |
| 1 Cyl; B&S 1-1/8" x 1"; P. Disp. 1; HP .5 @ 4000 RPM; Prop. dia. & pitch 5-1/2" x 4-3/4", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 1/8" x 11/16", No. 3 Sh. Alum. Rod; Wt. 10 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 1 pt; Run. time full tank 1 hr. to 1 hr. 30 min; Water Cooled; Cord Starter.          |                    |                        |                      |            |
| 1939-42                                                                                                                                                                                                                                                                                                                                             | Lightfour          | 4315                   | \$177.50             |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9", 2 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 60 lbs. Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.                |                    |                        |                      |            |
| 1939-42                                                                                                                                                                                                                                                                                                                                             | Ranger             | 4334                   | \$ 54.50             |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", Sh. Alum. Rod; Wt. 16 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Simplex Starter.              |                    |                        |                      |            |
| 1939-47                                                                                                                                                                                                                                                                                                                                             | Speeditwin         | 6039                   | \$310.00             |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 6000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless Bl; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 110 lbs; Oil 1-1/2 pt. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.                                                      |                    |                        |                      |            |



## EVINRUDE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                | Model             | Serial No.     | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------|----------|------------|
| 1939-47                                                                                                                                                                                                                                                                                                                                             | Speeditwin        | 6041           | \$341.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 6000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 110 lbs; Oil 1-1/2 pt. SAE-40 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.                                                      |                   |                |          |            |
| 1939-47                                                                                                                                                                                                                                                                                                                                             | Speedifour        | 7031           | \$335.00 |            |
| 1939-47                                                                                                                                                                                                                                                                                                                                             | Speedifour        | 7032—5" longer | \$345.00 |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 13", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Cord Starter.                                                         |                   |                |          |            |
| 1939-47                                                                                                                                                                                                                                                                                                                                             | Speedifour        | 7033           | \$385.00 |            |
| 1939-47                                                                                                                                                                                                                                                                                                                                             | Speedifour        | 7034—5" longer | \$395.00 |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 13", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 135 lbs; Oil 1-1/2 pt. SAE-40 per gal; Fuel cap. 32 pts; Water Cooled; Electric Starter.                                                      |                   |                |          |            |
| 1940                                                                                                                                                                                                                                                                                                                                                | Sportsman         | 4348           | \$ 66.50 |            |
|                                                                                                                                                                                                                                                                                                                                                     |                   | 4349—5" longer | \$ 71.50 |            |
| 1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 118-23 Alum; Wt. 23-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Simplex Starter.          |                   |                |          |            |
| 1940                                                                                                                                                                                                                                                                                                                                                | Sportwin          | 4353           | \$ 82.50 |            |
|                                                                                                                                                                                                                                                                                                                                                     |                   | 4354—5" longer | \$ 87.50 |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 11S-T3 Alum; Wt. 33-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Cord Starter. |                   |                |          |            |
| 1940                                                                                                                                                                                                                                                                                                                                                | Sportwin          | 4355           | \$ 89.50 |            |
|                                                                                                                                                                                                                                                                                                                                                     |                   | 4356—5" longer | \$ 94.50 |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 11S-T3 Alum; Wt. 33-1/2 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Simplex Starter.        |                   |                |          |            |
| 1940-41                                                                                                                                                                                                                                                                                                                                             | Weedless Lightwin | 4341           | \$125.00 |            |
| 2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 15; HP 5 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 2 semi Weedless B1; C. P. Gap .020; S. P. Champion M-6, Gap .025; Shear Pin 3/16" x 1-1/8", H. H. Brass; Wt. 66 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 9 pts; Run. time full tank 30 min. to 45 min; Water Cooled; Cord Starter.                            |                   |                |          |            |
| 1940-42                                                                                                                                                                                                                                                                                                                                             | Zephyr            | 4359           | \$122.50 |            |
|                                                                                                                                                                                                                                                                                                                                                     |                   | 4361—5" longer | \$130.00 |            |
| 4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2", 2 Weedless B1; C. P. Gap .020; S. P. Champion J-10 Com. J, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-3/4 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Cord Starter.    |                   |                |          |            |
| 1940-42                                                                                                                                                                                                                                                                                                                                             | Zephyr            | 4362           | \$129.50 |            |
|                                                                                                                                                                                                                                                                                                                                                     |                   | 4363—5" longer | \$137.00 |            |
| 4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2", 2 Weedless B1; C. P. Gap .020; S. P. Champion J-10 Com. J, Gap .025; Shear Pin 3/16" x 15/16", H. H. Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-3/4 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Simplex Starter. |                   |                |          |            |
| 1940-42                                                                                                                                                                                                                                                                                                                                             | Sportfour         | 9035           | \$245.00 |            |
|                                                                                                                                                                                                                                                                                                                                                     |                   | 9036—5" longer | \$255.00 |            |
| 4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 17.6 @ 4000 RPM; Prop. dia. & pitch 9-3/4" x 10-1/4", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 104 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Cord Starter.                                                                   |                   |                |          |            |
| 1940-42                                                                                                                                                                                                                                                                                                                                             | Sportfour         | 9037           | \$255.00 |            |
|                                                                                                                                                                                                                                                                                                                                                     |                   | 9038—5" longer | \$265.00 |            |
| 4 Cyl; B&S 2" x 2"; P. Disp. 25; HP 17.6 @ 4000 RPM; Prop. dia. & pitch 9-3/4" x 10-1/4", 3 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8", H. H. Brass; Wt. 104 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Water Cooled; Simplex Starter.                                                                |                   |                |          |            |
| 1941                                                                                                                                                                                                                                                                                                                                                | Speeditwin Racing | 6043           | \$395.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 30.6 @ 6000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2", 3 Weedless B1; C. P. Gap .015; S. P. Champion R-11S, Gap .018; Shear Pin 1/2" x 1-1/2", Mang. Screw Stock; Wt. 110 lbs; Oil 2 pts. SAE-60 per gal; Fuel cap. 20 pts; Water Cooled; Cord Starter.                                                 |                   |                |          |            |
| 1941-42                                                                                                                                                                                                                                                                                                                                             | Sportsman         | 4364           | \$ 62.50 |            |
|                                                                                                                                                                                                                                                                                                                                                     |                   | 4365—5" longer | \$ 67.50 |            |
| 1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 118-23 Alum; Wt. 26 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Cord Starter.             |                   |                |          |            |
| 1941-42                                                                                                                                                                                                                                                                                                                                             | Sportsman         | 4366           | \$ 69.50 |            |
|                                                                                                                                                                                                                                                                                                                                                     |                   | 4367—5" longer | \$ 74.50 |            |
| 1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 118-23 Alum; Wt. 26 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Simplex Starter.          |                   |                |          |            |
| 1941-42                                                                                                                                                                                                                                                                                                                                             | Sportwin          | 4368           | \$ 85.50 |            |
|                                                                                                                                                                                                                                                                                                                                                     |                   | 4369—5" longer | \$ 90.50 |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 11S-T3 Alum; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts. Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Cord Starter.     |                   |                |          |            |
| 1941-42                                                                                                                                                                                                                                                                                                                                             | Sportwin          | 4371           | \$ 92.50 |            |
|                                                                                                                                                                                                                                                                                                                                                     |                   | 4372—5" longer | \$ 97.50 |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16", 11S-T3 Alum; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Simplex Starter.            |                   |                |          |            |



## EVINRUDE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                               | Model     | Serial No.            | FOB      | Cash Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------|----------|------------|
| 1942                                                                                                                                                                                                                                                                                                                                               | Lightfour | 4373 H. D.            | \$217.50 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4374—15" longer       | \$265.00 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless Blades; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 63 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.        |           |                       |          |            |
| 1943                                                                                                                                                                                                                                                                                                                                               | Lightfour | 4375—15" longer       | \$255.00 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4376—15" longer       | \$255.00 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4377—15" longer       | \$255.00 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless Blades; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 63 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.           |           |                       |          |            |
| 1945                                                                                                                                                                                                                                                                                                                                               | Zephyr    | 4378                  | \$158.75 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4379—5" longer        | \$166.25 |            |
| 4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion J10 Com. J, Gap .025; Shear Pin 3/16" x 15/16"; H. H. Brass; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-3/4 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Cord Starter.    |           |                       |          |            |
| 1945                                                                                                                                                                                                                                                                                                                                               | Zephyr    | 4381                  | \$167.75 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4382—5" longer        | \$174.20 |            |
| 4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion J10 Com. J, Gap .025; Shear Pin 3/16" x 15/16"; H. H. Brass; Wt. 46 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-3/4 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Simplex Starter. |           |                       |          |            |
| 1945                                                                                                                                                                                                                                                                                                                                               | Lightfour | 4398—5" longer H. D.  | \$297.50 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           |                       |          |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.            |           |                       |          |            |
| 1945-47                                                                                                                                                                                                                                                                                                                                            | Lightfour | 4383                  | \$225.50 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4384—5" longer        | \$232.50 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4385—15" longer       | \$245.50 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.               |           |                       |          |            |
| 1945-47                                                                                                                                                                                                                                                                                                                                            | Lightfour | 4386                  | \$255.50 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4387—5" longer H. D.  | \$262.50 |            |
| 1945-47                                                                                                                                                                                                                                                                                                                                            | Lightfour | 4388—15" longer H. D. | \$275.50 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           |                       |          |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 1/4" x 1-1/8"; H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Cord Starter.                |           |                       |          |            |
| 1945-47                                                                                                                                                                                                                                                                                                                                            | Lightfour | 4389                  | \$260.00 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4391—5" longer        | \$267.50 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4392—15" longer       | \$280.00 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.            |           |                       |          |            |
| 1945-47                                                                                                                                                                                                                                                                                                                                            | Lightfour | 4393                  | \$290.00 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4394—5" longer H. D.  | \$297.50 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4395—15" longer H. D. | \$310.00 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless B1; C. P. Gap .020; S. P. Champion M-5, Gap .025; Shear Pin 3/16" x 1-1/8"; H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 45 min. to 1 hr. 15 min; Water Cooled; Simplex Starter.            |           |                       |          |            |
| 1946                                                                                                                                                                                                                                                                                                                                               | Sportsman | 4409                  | \$ 82.75 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4411—5" longer        | \$ 86.75 |            |
| 1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16"; 118-23 Alum; Wt. 28 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Cord Starter.            |           |                       |          |            |
| 1946                                                                                                                                                                                                                                                                                                                                               | Sportsman | 4412                  | \$ 90.75 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4413—5" longer        | \$ 95.75 |            |
| 1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 15/16"; 118-23 Alum; Wt. 28 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Simplex Starter.         |           |                       |          |            |
| 1946                                                                                                                                                                                                                                                                                                                                               | Big Four  | 8014                  | \$575.00 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           |                       |          |            |
| 4 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 60; HP 50 @ 5000 RPM; Prop. dia. & pitch 10-1/2" x 12-7/8"; 3 L. H. B1; C. P. Gap .020; S. P. Champion R7-61C, Gap .025; Shear Pin 1/2" x 1-1/2"; Mang. Screw Stock; Wt. 188 lbs; Oil 1-1/2 pts SAE-40 per gal; Fuel cap. 29.2 pts; Water Cooled Cord Starter.                                                |           |                       |          |            |
| 1946-47                                                                                                                                                                                                                                                                                                                                            | Zephyr    | 4402                  | \$169.50 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4403—5" longer        | \$178.00 |            |
| 4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.7 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion J-10-Com. J, Gap .025; Shear Pin 3/16" x 15/16"; H. H. Brass; Wt. 52 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Cord Starter.       |           |                       |          |            |
| 1946-47                                                                                                                                                                                                                                                                                                                                            | Zephyr    | 4404                  | \$177.50 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           | 4405—5" longer        | \$185.00 |            |
| 4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.7 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless B1; C. P. Gap .020; S. P. Champion J-10-Com. J, Gap .025; Shear Pin 3/16" x 15/16"; H. H. Brass; Wt. 52 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. to 1 hr. 15 min; Water Cooled; Simplex Starter.    |           |                       |          |            |
| 1946-47                                                                                                                                                                                                                                                                                                                                            | Ranger    | 4406                  | \$ 74.50 |            |
|                                                                                                                                                                                                                                                                                                                                                    |           |                       |          |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5"; 2 Semi Weedless B1; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4"; No. 3 Sh. Alum. Rod; Wt. 18 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Cord Starter.          |           |                       |          |            |



## EVINRUDE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                       | Model      | Serial No. | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|----------|------------|
| 1946-47                                                                                                                                                                                                                                                                                                                                                    | Ranger     | 4407       | \$ 74.50 |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2; HP 1.1 @ 3750 RPM; Prop. dia. & pitch 6" x 5", 2 Semi Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 5/32" x 3/4", No. 3 Sh. Alum. Rod; Wt. 22 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Simplex Starter.               |            |            |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                       | Sportsman  | 4414       | \$ 86.50 |            |
| 4415—5" longer \$ 91.50                                                                                                                                                                                                                                                                                                                                    |            |            |          |            |
| 1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2", 2 Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 27/32", Alum. Rod; Wt. 33 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1-3/4 hrs. to 2 hrs; Water Cooled; Cord Starter.                         |            |            |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                       | Sportsman  | 4416       | \$ 94.50 |            |
| 4417—5" longer \$ 99.50                                                                                                                                                                                                                                                                                                                                    |            |            |          |            |
| 1 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 3-3/4; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2", 2 Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 27/32", Alum. Rod; Wt. 33 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min. to 2 hrs; Water Cooled; Simplex Starter.                   |            |            |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                       | Sportwin   | 4418       | \$122.50 |            |
| 4419—5" longer \$127.50                                                                                                                                                                                                                                                                                                                                    |            |            |          |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 27/32", Alum. Rod; Wt. 45 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Cord Starter.              |            |            |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                       | Sportwin   | 4421       | \$122.50 |            |
| 4422—5" longer \$127.50                                                                                                                                                                                                                                                                                                                                    |            |            |          |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.0 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Weedless Bl; C. P. Gap .020; S. P. Champion H-10J, Gap .025; Shear Pin 3/16" x 27/32", Alum. Rod; Wt. 45 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr. 45 min. to 2 hrs. 30 min; Water Cooled; Simplex Starter.           |            |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                       | Sportsman  | 4425       | \$ 99.50 |            |
| 1 Cyl; B&S 1-5/18" x 1-1/2"; P. Disp. 3.1; HP 2.0 @ 3500 RPM; Prop. dia. & pitch 7" x 5-1/2", 2 Bl; C. P. Gap .020; S. P. Champion H10-ComJ, Gap .025; Shear Pin 3/16" x 27/32", HH Brass; Wt. 30 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1-3/4 to 2 hrs; Two Stage Centrifugal; Simplex Starter.                            |            |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                       | Sportwin   | 4423       | \$139.50 |            |
| 2 Cyl; B&S 1-5/18" x 1-1/2"; P. Disp. 6.22; HP 3.3 @ 3500 RPM; Prop. dia. & pitch 6-7/8" x 4-3/4"; 2 Bl; C. P. Gap .020; S. P. Champion H10-ComJ, Gap .025; Shear Pin 3/16" x 27/32", HH Brass; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1-3/4 to 2-1/2 hrs; Two Stage Centrifugal; Simplex Starter.               |            |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                       | Zephyr     | 4404       | \$177.50 |            |
| 4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion H10-ComJ, Gap .025; Shear Pin 3/16" x 15/16", HH Brass; Wt. 49 lbs; Oil .5 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 to 1-1/4 hrs; Two Stage Centrifugal; Simplex Starter.                          |            |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                       | Lightfour  | 4389       | \$260.00 |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15.0; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Bl; C. P. Gap .020; S. P. Champion M5J, Gap .025; Shear Pin 3/16" x 1-1/8", HH Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 1-1/4 gal; Run. time full tank 3/4 to 1-1/4 hrs; Two Stage Centrifugal; Simplex Starter.                         |            |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                       | Speeditwin | 6039       | \$350.00 |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30.00; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2"; 3 Bl; C. P. Gap .020; S. P. Champion M5J, Gap .025; Shear Pin 1/4" x 1-1/2", HH Brass; Wt. 116 lbs; Oil 1.5 pt. SAE-40 per gal; Fuel cap. 2-1/2 gal; Centrifugal; Cord Starter.                                                                      |            |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                       | Speedfour  | 7031       | \$435.00 |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50.0; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 13"; 3 Bl; C. P. Gap .020; S. P. Champion M5J, Gap .025; Shear Pin 1/4" x 1-1/2", HH Brass; Wt. 150 lbs; Oil 1.5 pt. SAE-40 per gal; Fuel cap. 3.65 gal; Centrifugal; Cord Starter.                                                                            |            |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                       | Sportsman  | 4425       | \$ 98.50 |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.1; HP 1-1/2 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 5-1/2", 2 Weedless Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; S. P. Gap .025; Shear pin 3/16" x 27/32", H.H. Brass; Wt. 30 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1-3/4 to 2 hrs; 2 stage centrifugal; Simplex Starter.     |            |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                       | Sportwin   | 4423       | \$149.50 |            |
| 4424—5" Longer \$157.00                                                                                                                                                                                                                                                                                                                                    |            |            |          |            |
| 2 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 6.2; HP 3.3 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 4-3/4", 2 Weedless Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; S. P. Gap .025; Shear pin 3/16" x 27/32" H.H. Brass; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run time full tank 1-3/4 to 2-1/4 hrs; 2 stage centrifugal; Simplex Starter. |            |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                       | Zephyr     | 4404       | \$182.50 |            |
| 4405—5" Longer \$193.75                                                                                                                                                                                                                                                                                                                                    |            |            |          |            |
| 4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; S. P. Gap .025; Shear pin 3/16" x 27/32" H.H. Brass; Wt. 49 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 to 1-1/4 hrs; Centrifugal; Simplex Starter.                |            |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                       | Zephyr     | 4429       | \$187.50 |            |
| 4431—5" Longer \$198.75                                                                                                                                                                                                                                                                                                                                    |            |            |          |            |
| 4 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 9.7; HP 5.4 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Weedless Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; S. P. Gap .025; Shear pin 3/16" x 27/32" H. H. Brass; Wt. 51 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 to 1-1/4 hrs; Centrifugal; Simplex Starter.               |            |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                       | Lightfour  | 4389       | \$265.00 |            |
| 4391—5" Longer \$276.25                                                                                                                                                                                                                                                                                                                                    |            |            |          |            |
| 4392—15" Longer \$295.00                                                                                                                                                                                                                                                                                                                                   |            |            |          |            |
| 4393—H.D. \$295.00                                                                                                                                                                                                                                                                                                                                         |            |            |          |            |
| 4394—H.D. 5" Longer \$306.25                                                                                                                                                                                                                                                                                                                               |            |            |          |            |
| 4395—H.D. 15" Longer \$325.00                                                                                                                                                                                                                                                                                                                              |            |            |          |            |
| 4 Cyl; B&S 1-3/4" x 1-35/64"; P. Disp. 15; HP 9.7 @ 4000 RPM; Prop. dia. & pitch 8-3/4" x 9"; 2 Weedless Bl; C. P. Gap .020; S. P. Champion M5-J; S. P. Gap .025; Shear pin 1/4" x 1-1/8" H. H. Brass; Wt. 66 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 1 to 1-1/4 hrs; 2 stage centrifugal; Simplex Starter.                 |            |            |          |            |



## EVINRUDE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                                  | Model      | Serial No.     | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|----------------|----------|------------|
| 1949                                                                                                                                                                                                                                                                                                                                                                  | Speedfour  | 7031           | \$485.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            | 7032—5" Longer | \$500.00 |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 12-7/8"; 3 Weddless Bl; C. P. Gap .020; S. P. Champion M5-J; S. P. Gap .025; Shear pin 1/4" x 1-1/2"; Mang; Wt. 150 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 29.2 pts; Centrifugal; Cord Starter.                                                                      |            |                |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                                  | Big Four   | 8015           | \$645.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 1 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 12-7/8"; 3 Bl; C. P. Gap .020; S. P. Champion R7-64C; S. P. Gap .025; Shear pin 1/4" x 1-1/2"; Mang; Wt. 178 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel cap. 29.2 pts; Centrifugal; Cord Starter.                                                                             |            |                |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                  | Sportsman  | 4425           | \$ 75.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.1; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 5-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; Gap .025; Shear pin 3/16" x 27/32" HH Brass; Wt. 30 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/4 hrs; 2 stage centrifugal; Simplex Starter.                                         |            |                |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                  | Sportwin   | 4423           | \$135.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            | 4424—5" Longer | \$142.50 |            |
| 2 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 6.2; HP 3.3 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 4-3/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; S. P. Gap .025; Shear pin 3/16" x 27/32" HH Brass; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel Cap. 6 1/2 pts; Run. time full tank 1-1/3 hrs; 2 stage centrifugal; Simplex Starter.                                       |            |                |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                  | Fleetwin   | 4434           | \$190.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.4; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 8" x 8"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; S. P. Gap .025; Drive pin .208" x .198" x 27/32" HH Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 1-1/3 hrs; Centri-Matic; Simplex Starter.                                                |            |                |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                  | Fastwin    | 4438           | \$300.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 14 @ 4000 RPM; Prop. dia. & pitch 8-1/2" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; S. P. Gap .025; Drive pin .208" x .198" x 1-3/16" Monel; Wt. 65 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel Cap. 48 pts; Run. time full tank 3 to 3-1/2 hrs; Centri-Matic; Simplex Starter.                                        |            |                |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                  | Speeditwin | 6039           | \$395.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 2 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 30; HP 22.5 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 10-1/2"; 3 Bl; C. P. Gap .020; S. P. Champion M5-J; S. P. Gap .025; Shear pin 1/4" x 1-1/2" HH Brass; Wt. 115 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel Cap. 20 pts; Centrifugal; Cord Starter.                                                                                 |            |                |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                  | Speedfour  | 7031           | \$485.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 4 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 50; HP 33.4 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 12-7/8"; 3 Bl; C. P. Gap .020; S. P. Champion M5-J; S. P. Gap .025; Shear pin 1/4" x 1-1/2" mang.; Wt. 150 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 26 pts; Centrifugal; Cord Starter.                                                                                    |            |                |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                  | Big Four   | 8015           | \$645.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 4 Cyl; B&S 2-3/4" x 2-1/2"; P. Disp. 59.4; HP 50 @ 4000 RPM; Prop. dia. & pitch 10-1/2" x 12-7/8"; 3 Bl; C. P. Gap .020; S. P. Champion R7-64C; S. P. Gap .025; Shear pin 1/4" x 1-1/2" mang.; Wt. 178 lbs; Oil 1-1/2 pts. SAE-40 per gal; Fuel Cap. 29.2 pts; Centrifugal; Cord Starter.                                                                             |            |                |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                  | Sportsman  | 4425           | \$ 85.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.1; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 5-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; Gap .030; Shear pin 3/16" x 27/32" HH brass; Wt. 30 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1-3/4 hrs; 2 stage centrifugal; Simplex starter; Gear lub. Mobiloil.                     |            |                |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                  | Sportwin   | 4423           | \$150.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 2 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 6.2; HP 3.3 @ 4000 RPM; Prop. dia. & pitch 6-7/8" x 4-3/4"; 2 Bl; C. P. Gap .020; S. P. Champion J10 Com-J6J; Gap .030; Shear pin 3/16" x 27/32" HH brass; Wt. 39 lbs; Oil 1/3 pt. SAE-40 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1-3/4 hrs; 2 stage centrifugal; Simplex starter; Gear lub. Mobiloil.                 |            |                |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                  | Fleetwin   | 4443           | \$210.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.4; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 8" x 8"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Drive pin .208" x .198" x 27/32" HH Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/3 hrs; Centri-Matic pump; Simplex starter; Gear lub. Mobilube GX-90.                       |            |                |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                  | Fastwin    | 4441           | \$315.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 14 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Drive pin .208" x .198" x 1-3/16" Monel; Wt. 65 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 48 pts; Run. time full tank 3 to 3-1/2 hrs; Centri-Matic pump; Simplex starter; Gear lub. Mobilube GX-90.                   |            |                |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                  | Big Twin   | 2001           | \$390.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            |                |          |            |
| 2 Cyl; B&S 2-7/8" x 2-3/4"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin 1/4" x 1-1/8"—No. 73 Non-leaded Naval Brass; Wt. 95 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 48 pts; Run. time full tank 2-1/4 hrs; Centri-Matic pump; Simplex starter; Gear lub. Mobilube GX-90.  |            |                |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                  | Big Twin   | 2003           | \$394.50 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            | 2004-5" longer | \$414.50 |            |
| 2 Cyl; B&S 2-7/8" x 2-3/4"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin 1/4" x 1-1/8"—No. 73 Non-leaded Naval Brass; Wt. 98 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 48 pts.; Run. time full tank 2-1/4 hrs; Centri-Matic pump; Simplex starter; Gear lub. Mobilube GX-90. |            |                |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                  | Lightwin   | 3012           | \$145.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            | 3013-5" longer | \$152.50 |            |
| 2 Cyl; B&S 1-9/16" x 1-3/8"; P. Disp. 5.27; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2 x 5-3/4"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 13/16" Stainless Steel; Wt. 30 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 5-1/2 pts; Run. time full tank 1 to 1-1/2 hrs; Centri-Matic pump; Simplex starter; Gear Lub. Mobilube GX-90.                         |            |                |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                  | Fleetwin   | 4447           | \$210.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            | 4448-5" longer | \$225.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.4; HP 7.5 @ 4000 RPM; prop dia. & pitch 8" x 8"; 2 Bl C. P. Gap .020; S. P. Champion J6J; Gap .030; Drive pin .208" x .198" x 27/32" HH Brass; Wt. 47 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/3 hrs; Centri-Matic pump; Simplex starter; Gear lub. Mobilube GX-90.                         |            |                |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                  | Fastwin    | 4441           | \$315.00 |            |
|                                                                                                                                                                                                                                                                                                                                                                       |            | 4442-5" longer | \$330.00 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 14 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Drive pin .208" x .198" x 1-3/16" HH Brass; Wt. 66 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 48 pts; Run. time full tank 3 to 3-1/2 hrs; Centri-Matic pump; Simplex starter; Gear Lub. Mobilube GX-90.                |            |                |          |            |



## EVINRUDE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                                                                                                        | Model                  | Serial No. | FOB      | Cash Value |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------|----------|------------|
| 1953                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lightwin               | 3012       | \$145.00 |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lightwin—5" Lgr.       | 3013       | \$145.00 |            |
| 2 Cyl; B&S 1-9/16" x 1-3/8"; P. Disp. 5.27 cu. in.; HP 3 @ 4000 to 4500 RPM; Prop dia & pitch 6 1/2" x 5 3/4"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin 1/8" x 13/16"; stainless Steel; Wt. 32 lbs; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 5 1/2 pts; Run time full tank 1 1/2 to 1 3/4 hrs; Centric. Matric cooling; GX 90 Hypoid gear lubr.; Simplex starter.                                                          |                        |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fleetwin               | 7512       | \$210.00 |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fleetwin—5" Lgr.       | 7513       | \$210.00 |            |
| 2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4 Cu. Inches; HP 7 1/2 @ 4000 to 4500 RPM; Prop dia. & pitch 8" x 8"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; **Shear pin 3/16" x 27/32"; HH Brass; Wt 47 lbs; Oil 1/2 pt; SAE 30 per gal. Fuel Cap 8 pts; Run time full tank 1-1/3 hrs to 1 1/2 hrs; Centri-Matic cooling; GX 90 Hypoid gear lubr.; Simplex starter.                                                                   |                        |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                                                        | Super Fastwin          | 15012      | \$325.00 |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                                                        | Super Fastwin—5" Lgr.  | 15013      | \$325.00 |            |
| 2 Cyl; B&S 2-3/8" x 2 3/4"; P. Disp. 19.94; HP 15 @ 4000 to 5000 RPM; Prop dia & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champion J6J. Gap .030; **Shear pin 3/16" x 1-3/16" Naval Brass SAE-73; Wt. 67 lbs; Oil 1/2 pt; SAE 30 per gal. Fuel Cap 48 pts; Run time full tank 2 3/4 to 3 1/4 hrs; Centri-Matic cooling; GX 90 Hypoid; Gear lubr.; Simplex starter.                                                                       |                        |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                                                        | Big Twin               | 25012      | \$390.00 |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                                                        | Big Twin—5" Lgr.       | 25013      | \$390.00 |            |
| 2 Cyl; B&S 2-7/8" x 2 3/4"; P. Disp. 35.7 Cu. Inches; HP 25 @ 4000 to 5000 RPM; Prop dia & pitch 10-3/8" x 12 1/2"; 3 Bl.; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin 1/4" x 1-1/8" Naval Bronze Non-leaded; Wt. 98 lbs; Oil 1/2 pt; SAE 30 per gal. Fuel Cap 48 pts; Run time full tank 1 1/2 to 2 hrs; Centri-Matic cooling; GX 90 Hypoid. gear lubr.; Simplex starter.<br>** Shear Pins Have Groove Cut in Pin to .198-.208 |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lightwin               | 3012       | \$145.00 |            |
| 2 Cyl; B&S 1-9/16" x 1 1/4"; P. Disp. 5.27; HP 3 @ 4500 RPM; Prop. dia. & pitch 6 1/4" x 5 5/8"; 3 Bl; C. P. Gap .020; S. P. Champ J6J or Auto-Lite A3X Gap .030; Shear Pin 1/8" x 13/16" stainless steel; Wt. 32 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 5 1/2 pts; Run. time full tank 1 1/4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.                                                                        |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lightwin 5" lgr.       | 3013       | \$152.50 |            |
| 2 Cyl; B&S 1-9/16" x 1 3/4"; P. Disp. 5.27; HP 3 @ 4500 RPM; Prop. dia. & pitch 6 1/4" x 5 5/8"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 1/8" x 13/16" stainless steel; Wt. 32 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 5 1/2 pts; Run. time full tank 1 1/4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.                                                                      |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fleetwin               | 7514       | \$235.00 |            |
| 2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7.5 @ 4500 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 3/16" x 1/4" Monel rod; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.                                                                                       |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fleetwin 5" lgr.       | 7515       | \$242.50 |            |
| 2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7.5 @ 4500 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X Gap .030; Shear Pin 3/16" x 1/4" Monel rod; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.                                                                                        |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fleetwin               | 7516       | \$235.00 |            |
| 2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7.5 @ 4500 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 3/16" x 1/4" Monel rod; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.                                                                                       |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Fleetwin 5" lgr.       | 7517       | \$242.50 |            |
| 2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7.5 @ 4500 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 3/16" x 1/4" Monel rod; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.                                                                                       |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Super Fastwin          | 15012      | \$335.00 |            |
| 2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 19.94; HP 15 @ 4500 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 3/16" x 1-3/16" Naval brass; Wt. 67 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 3 1/4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.                                                                                 |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Super Fastwin 5" lgr.  | 15013      | \$345.00 |            |
| 2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 19.94; HP 15 @ 4500 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 3/16" x 1-3/16" Naval brass; Wt. 67 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 3 1/4 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.                                                                                 |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Big Twin               | 25012      | \$410.00 |            |
| 2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 1/4" x 1 1/8". Naval bronze, non leaded; Wt. 98 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.                                                                 |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Big Twin 5" lgr.       | 25013      | \$425.00 |            |
| 2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 1/4" x 1 1/8". Naval bronze, non leaded; Wt. 98 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex starter.                                                                 |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Big Twin Electric      | 25916      | \$498.00 |            |
| 2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 1/4" x 1 1/8". Naval bronze, non leaded; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex & electric starter.                                                     |                        |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                                                        | Big Twin Elec. 5" lgr. | 25917      | \$513.00 |            |
| 2 Cyl; B&S 2 3/4" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X, Gap .030; Shear Pin 1/4" x 1 1/8". Naval bronze, non leaded; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Centrimatic cooled; Gear lub. GX 90 Hypoid; Simplex & electric starter.                                                     |                        |            |          |            |



## EVINRUDE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                     | Model                                  | Serial No. | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------|----------|------------|
| 1955                                                                                                                                                                                                                                                                                                                                     | Lightwin                               | 3014       | \$145.00 |            |
| 2 Cyl; B&S 1-9/16" x 1 3/8"; P. Disp. 5.27; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6 1/4" LH; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 13/16" Stain; Wt. 32 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 5 1/2 pts; Run. time full tank 1 1/2-1 3/4 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.        |                                        |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                     | Lightwin 5" Longer                     | 3015       | \$152.50 |            |
| 2 Cyl; B&S 1-9/16" x 1 3/8"; P. Disp. 5.27; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6 1/4" LH; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 13/16" Stain; Wt. 34 3/4 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 5 1/2 pts; Run. time full tank 1 1/2-1 3/4 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.    |                                        |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                     | Duck Twin                              | 3016       | \$145.00 |            |
| 2 Cyl; B&S 1-9/16" x 1 3/8"; P. Disp. 5.27; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6 1/4" LH; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 13/16" Stain; Wt. 32 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 5 1/2 pts; Run. time full tank 1 1/2-1 3/4 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.        |                                        |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                     | Fleetwin                               | 7518       | \$235.00 |            |
| 2 Cyl; B&S 2 1/8" x 1 3/8"; P. Disp. 12.4; HP 7 1/2 @ 4000 RPM; Prop. dia. & pitch 8 x 8 1/4" RH; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 7/8" Monel; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 3 1/2-4 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.                  |                                        |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                     | Fleetwin 5" Longer                     | 7519       | \$242.00 |            |
| 2 Cyl; B&S 2 1/8" x 1 3/8"; P. Disp. 12.4; HP 7 1/2 @ 4000 RPM; Prop. dia. & pitch 8 x 8 1/4" RH; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 7/8" Monel; Wt. 53 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Run. time full tank 3 1/2-4 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.              |                                        |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                     | Fastwin                                | 15014      | \$347.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1-3/16" C. D. Stain; Wt. 75 lbs.; Oil 1 Qt.; SAE 30 - 5 Gal.; Fuel Cap. 48 pts; Run. time full tank 2 3/4-3 1/2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.         |                                        |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                     | Fastwin 5" Longer                      | 15015      | \$357.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1-3/16" C. D. Stain; Wt. 78 1/2 lbs.; Oil 1 Qt.; SAE 30 per 5 Gal.; Fuel Cap. 48 pts; Run. time full tank 2 3/4-3 1/2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.   |                                        |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                     | Big Twin                               | 25018      | \$430.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7 HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/4" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Naval Bronze; Wt. 113 lbs.; Oil 1 Qt.; SAE 30 per 5 gal; Fuel Cap. 48 pts; Run. time full tank 1 3/4-2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.     |                                        |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                     | Big Twin 5" Longer                     | 25019      | \$445.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7 HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/4" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Naval Bronze; Wt. 126 lbs.; Oil 1 Qt.; SAE 30 per 5 gal; Fuel Cap. 48 pts; Run. time full tank 1 3/4-2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.     |                                        |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                     | Big Twin Electric Starter              | 25920      | \$525.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7 HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/4" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Naval Bronze; Wt. 129 lbs.; Oil 1 Qt.; SAE 30 per 5 gal; Fuel Cap. 48 pts; Run. time full tank 1 3/4-2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.     |                                        |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                     | Big Twin Electric Starter<br>5" Longer | 25921      | \$540.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7 HP 15 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/4" RH; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Naval Bronze; Wt. 142 lbs.; Oil 1 Qt.; SAE 30 per 5 gal; Fuel Cap. 48 pts; Run. time full tank 1 3/4-2 hrs; Centri-Matic cooled; Gear lub. GX90; Simplex starter.     |                                        |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                     | Lightwin                               | 3018       | \$146.00 |            |
| 2 Cyl; B&S 1-9/16" x 1 3/8"; P. Disp. 5.28; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/4" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" s/s; Wt. 32 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 6 pts.; Run. time full tank 1 3/4 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter. |                                        |            |          |            |



## EVINRUDE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                     | Model                    | Serial No.   | FOB             | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|--------------|-----------------|------------|
| 1956                                                                                                                                                                                                                                                                                                                                     | <b>Duck Twin</b>         | <b>3020</b>  | <b>\$146.00</b> |            |
| 2 Cyl; B&S 1-9/16" x 1 1/8"; P. Disp. 5.28; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/4" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" s/s; Wt. 32 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 6 pts.; Run. time full tank 1 1/2 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter. |                          |              |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                                     | <b>Sportwin</b>          | <b>10012</b> | <b>\$321.00</b> |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" s/s; Wt. 72 lbs.; Oil 1 qt.-5 gal.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 4 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter.      |                          |              |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                                     | <b>Fastwin</b>           | <b>15016</b> | <b>\$362.00</b> |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" s/s; Wt. 75 lbs.; Oil 1 qt.-5 gal. SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter.     |                          |              |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                                     | <b>Fastwin-Electric</b>  | <b>15918</b> | <b>\$452.00</b> |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" s/s; Wt. 88 lbs.; Oil 1 qt.-5 gal. SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Electric starter.                       |                          |              |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                                     | <b>Big Twin</b>          | <b>25022</b> | <b>\$462.00</b> |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" s/s; Wt. 113 lbs.; 1 qt.-5 gal.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Simplex Rewinding Rope starter.    |                          |              |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                                     | <b>Big Twin-Electric</b> | <b>25924</b> | <b>\$552.00</b> |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" s/s Wt. 127 lbs.; Oil 1 qt.-5 gal.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Electric starter.               |                          |              |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                                     | <b>Lark</b>              | <b>25526</b> | <b>\$582.00</b> |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" s/s Wt. 130 lbs.; Oil 1 qt.-5 gal.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Electric starter.               |                          |              |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                                     | <b>Fisherman</b>         | <b>5512</b>  | <b>\$216.00</b> |            |
| 2 Cyl; B&S 1-5/16" x 1 1/2"; P. Disp. 8.84; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" s/s; Wt. 51 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 4 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter.     |                          |              |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                                     | <b>Fleetwin</b>          | <b>7520</b>  | <b>\$241.00</b> |            |
| 2 Cyl; B&S 2 1/8" x 1 3/4"; P. Disp. 12.4; HP 7.5 @ 4000 RPM; Prop. dia. & pitch 8" x 8 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" s/s; Wt. 56 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 3 1/2 hr.; Centrimatic cooled; Gear lub. Mobilube GX-90; Eas-A-Matic Rewinding Rope starter.  |                          |              |                 |            |



**FAGEOL "44"**  
**Fageol Products Company**  
**Kent, Ohio**

| <b>Year</b>                                                                                                                                                                                                                                                                                        | <b>Model</b> | <b>Serial No.</b> | <b>FOB</b> | <b>Cash Value</b> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------|------------|-------------------|
| 1956                                                                                                                                                                                                                                                                                               | "44"         |                   | \$695.00   |                   |
| 4 Cyl; B&S 2½" x 2½"; P. Disp. 44; HP 35 @ 5700 RPM; Prop. dia. & pitch 10" x 11"; 3 Bl;<br>C. P. Gap .020-.025; S. P. J-6; Shear Pin ¼" x 1⅝" Brass; Wt. 175 lbs.; Oil None; SAE 20-30;<br>Fuel Cap. 51 pts.; Run. time full tank 2½ hr.; Water cooled; Gear lub. Hypoid 90; Electric<br>starter. |              |                   |            |                   |



**FIRESTONE**  
**Firestone Tire and Rubber Company**  
**Akron, Ohio**

| Year                                                                                                                                                                                                                                                                                                                                                      | Model     | Serial No. | FOB                          | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------|------------------------------|------------|
| 1946                                                                                                                                                                                                                                                                                                                                                      | 133-6-460 | 460 Series | \$ 91.00                     |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6-1/2" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 35 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 7 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.         |           |            |                              |            |
| 1945                                                                                                                                                                                                                                                                                                                                                      | 133-6-462 | 462 Series | \$ 91.00                     |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6-1/2" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 35 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 7 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.         |           |            |                              |            |
| 1946                                                                                                                                                                                                                                                                                                                                                      | 133-6-463 | 463 Series | \$ 91.00                     |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 37 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 7 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.             |           |            |                              |            |
| 1946                                                                                                                                                                                                                                                                                                                                                      | 133-6-454 | 464 Series | \$103.00                     |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 7 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start. |           |            |                              |            |
| 1947                                                                                                                                                                                                                                                                                                                                                      | 133-7-475 | 476 Series | \$ 99.50                     |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 37 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.                |           |            |                              |            |
| 1947                                                                                                                                                                                                                                                                                                                                                      | 133-7-477 | 477 Series | \$112.50                     |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.    |           |            |                              |            |
| 1947                                                                                                                                                                                                                                                                                                                                                      | 133-7-479 | 479 Series | \$164.50                     |            |
| 2 cylinders with Bore and Stroke 2" x 1-3/4"; Piston Displacement 11.00 cu. in.; HP 7.5 @ 4200 RPM; Prop. dia. 8" with 7-1/2" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 52 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 1-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.      |           |            |                              |            |
| 1948                                                                                                                                                                                                                                                                                                                                                      | 133-8-486 | 486 Series | \$104.95                     |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 37 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.                |           |            |                              |            |
| 1948                                                                                                                                                                                                                                                                                                                                                      | 133-8-487 | 487 Series | \$119.95                     |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.5 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.    |           |            |                              |            |
| 1948                                                                                                                                                                                                                                                                                                                                                      | 133-8-489 | 489 Series | \$169.95                     |            |
| 2 cylinders with Bore and Stroke 2" x 1-3/4"; Piston Displacement 11.00 cu. in.; HP 7.5 @ 4200 RPM; Prop. dia. 8" with 7-1/2" pitch; 2 blades; .020" Breaker point gap; Firestone F-50-LF with .032" gap; Shear pin; weight 52 lbs.; 1/2 pt. Texaco oil No. 30 per gal.; 8 pt. tank; 1-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.      |           |            |                              |            |
| 1949                                                                                                                                                                                                                                                                                                                                                      | 10-A-1    | 133-9-486  | \$ 99.95                     |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 37 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Rope Starter.                                               |           |            |                              |            |
| 1949                                                                                                                                                                                                                                                                                                                                                      | 10-A-2    | 133-9-489  | \$109.95                     |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.                                   |           |            |                              |            |
| 1949                                                                                                                                                                                                                                                                                                                                                      | 10-A-51   | 133-9-4911 | \$139.95<br>\$143.50 (Coast) |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 4.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.                                   |           |            |                              |            |
| 1949                                                                                                                                                                                                                                                                                                                                                      | 10-A-52   | 133-9-4912 | \$169.95                     |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Automatic Recoil Starter.                               |           |            |                              |            |
| 1949                                                                                                                                                                                                                                                                                                                                                      | 10-A-53   | 133-9-4913 | \$189.95<br>\$192.50 (Coast) |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Automatic Recoil Starter.                                       |           |            |                              |            |



## FIRESTONE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                      | Model   | Serial No. | FOB        | Cash Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|------------|------------|
| 1950                                                                                                                                                                                                                                                                                                                                      | 10-A-71 |            | \$ 89.95   |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.                   |         |            |            |            |
| 1950                                                                                                                                                                                                                                                                                                                                      | 10-A-72 |            | \$139.95   |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 4.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.                   |         |            |            |            |
| 1950                                                                                                                                                                                                                                                                                                                                      | 10-A-73 |            | \$169.95   |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Automatic Recoil Starter.               |         |            |            |            |
| 1950                                                                                                                                                                                                                                                                                                                                      | 10-A-74 |            | \$189.95   |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Automatic Recoil Starter.                       |         |            |            |            |
| 1950                                                                                                                                                                                                                                                                                                                                      | 10-A-75 |            | \$249.95   |            |
| 2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch—not available at time of publication; C. P. Gap .020; S. P. Champion HT-10J; Gap .035; Shear pin 5/32" x 7/8", stainless steel; Wt. 75 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hr; Water Cooled; Automatic Recoil Starter. |         |            |            |            |
| 1951                                                                                                                                                                                                                                                                                                                                      | 10-A-71 |            | \$109.95   |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.                   |         |            |            |            |
| 1951                                                                                                                                                                                                                                                                                                                                      | 10-A-73 |            | \$179.95   |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Automatic Recoil Starter.               |         |            |            |            |
| 1951                                                                                                                                                                                                                                                                                                                                      | 10-A-74 |            | \$199.95   |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Automatic Recoil Starter.                       |         |            |            |            |
| 1951                                                                                                                                                                                                                                                                                                                                      | 10-A-75 |            | \$259.95   |            |
| 2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch—not available at time of publication; C. P. Gap .020; S. P. Champion HT-10J; Gap .035; Shear pin 5/32" x 7/8", stainless steel; Wt. 75 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hr; Water Cooled; Automatic Recoil Starter. |         |            |            |            |
| 1952                                                                                                                                                                                                                                                                                                                                      | 10-A-71 |            | \$109.95-E |            |
| 1952                                                                                                                                                                                                                                                                                                                                      | 10-A-71 |            | \$109.95-C |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.                   |         |            |            |            |
| 1952                                                                                                                                                                                                                                                                                                                                      | 10-A-73 |            | \$179.95-E |            |
| 1952                                                                                                                                                                                                                                                                                                                                      | 10-A-73 |            | \$184.95-C |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8", Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Automatic Recoil Starter.               |         |            |            |            |
| 1952                                                                                                                                                                                                                                                                                                                                      | 10-A-74 |            | \$199.95-E |            |
| 1952                                                                                                                                                                                                                                                                                                                                      | 10-A-74 |            | \$204.95-C |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0 HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032 Shear pin 5/32" x 7/8", Brass; Wt. 54 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Automatic Recoil Starter.                         |         |            |            |            |
| 1952                                                                                                                                                                                                                                                                                                                                      | 10-A-75 |            | \$259.95-F |            |
| 1952                                                                                                                                                                                                                                                                                                                                      | 10-A-75 |            | \$264.95-C |            |
| 2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch 8" x 10"; 2 Bl; C. P. Gap .020; S. P. Champion HT-10J; Gap .035; Shear pin 5/32" x 7/8", stainless steel; Wt. 75 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hr; Water Cooled; Automatic Recoil Starter.                       |         |            |            |            |

E-East      C-Coast



## FIRESTONE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                    | Model    | Serial No. | FOB                      | Cash Value |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|--------------------------|------------|
| 1953                                                                                                                                                                                                                                                                                                                                                    | 10-A-71  |            | \$109.95-E               |            |
| 1953                                                                                                                                                                                                                                                                                                                                                    | 10-A-71  |            | \$109.95-C               |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8"; Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Automatic Recoil Starter.                                 |          |            |                          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                    | 10-A-73  |            | \$179.95-E               |            |
| 1953                                                                                                                                                                                                                                                                                                                                                    | 10-A-73  |            | \$184.95-C               |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear pin 5/32" x 7/8"; Brass; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Automatic Recoil Starter.                             |          |            |                          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                    | 10-A-103 |            | \$219.95-E               |            |
| 1953                                                                                                                                                                                                                                                                                                                                                    | 10-A-103 |            | \$224.95-C               |            |
| 2 Cyl.; B&S 2" x 1 1/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Champion H-10J; Gap .035; Shear Pin 5/32" x 5/8" brass; Wt. 50 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 50 pts., Run time full tank 8 hrs. Water cooled; Self-winding Automatic Type.                                          |          |            |                          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                    | 10-A-104 |            | \$269.95-E               |            |
| 1953                                                                                                                                                                                                                                                                                                                                                    | 10-A-104 |            | \$274.95-C               |            |
| 2 Cyl; B&S 2.172" x 2"; P. Disp. 14.69; HP 10 @ 4200 RPM; Prop. dia & pitch 8 1/2" x 10"; 2 Bl; C. P. Gap .020; S. P. Champion HT10J; Gap .035; Shear Pin 5/32" x 5/8"; Brass; Wt. 59 lbs; Oil 1/2 Pt; SAE-30 per gal; Fuel Cap. 50 pts. Run time full tank 5 1/2 hrs; Water cooled; Self-winding Automatic Type.                                       |          |            |                          |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                 | 10-A-71  | 133-4-1045 | \$109.95-E<br>\$109.95-C |            |
| 1 Cyl; B&S 2 1/4" x 1 1/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 1/2"; brass; Wt. 43 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 8 pts; Run. time full tank 2 1/4 hrs; water cooled; Gear lub. Texaco outbd. Gear grease; auto. recoil starter.        |          |            |                          |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                 | 10-A-102 | 133-4-1745 | \$199.95-E<br>\$204.95-C |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ H10J; Gap .035; Shear Pin 5/32" x 1/2"; brass; Wt. 46 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 28 pts; Run. time full tank 5 1/2 hrs; water cooled; Gear lub. Texaco outbd Gear grease; Auto. recoil starter.      |          |            |                          |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                 | 10-A-103 | 133-4-1345 | \$219.95-E<br>\$224.95-C |            |
| 2 Cyl; B&S 2" x 1 1/4"; P. Disp. 11; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7 1/2"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 1/2"; brass; Wt. 50 lbs.; Oil 1/2 pt. SAE-30 per gal; Fuel Cap. 48 pts; Run. time full tank 8 hrs.; water cooled; Gear lub. Texaco outbd. gear grease; Auto. recoil starter.                |          |            |                          |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                 | 10-A-104 | 133-4-1845 | \$269.95-E<br>\$274.95-C |            |
| 2 Cyl; B&S 2-11/64" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/2" x 10"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 1/2"; brass; Wt. 59 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 48 pts; Run. time full tank 5 1/2 hrs; water cooled; Gear lub. EP-90 outbd. gear oil; Auto. recoil starter.            |          |            |                          |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                 | 10-A-105 | 133-4-1945 | \$329.95-E<br>\$334.95-C |            |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 7/32" x 1/2"; brass; Wt. 88 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 48 pts; Water cooled; Gear lub. EP-90 outbd. gear lub. Auto. recoil starter.                                           |          |            |                          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                    | 10A111   | 133-6-1065 | \$114.95                 |            |
| 1 Cyl; B&S 2 1/4" x 1-43/64"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 40 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 8 pts.; Run. time full tank 2 1/4 hr.; Water cooled; Gear lub. Outboard gear grease; Semi-Automatic Recoil starter. |          |            |                          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                    | 10A112   | 133-6-1765 | \$199.95                 |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 42 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 28 pts.; Run. time full tank 5 1/2 hr.; Water cooled; Gear lub. SAE 90; Semi-Automatic Recoil starter.          |          |            |                          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                    | 10A113   | 133-6-1865 | \$299.95                 |            |
| 2 Cyl; B&S 2-11/64" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/2" x 10"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 59 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 5 1/2 hr.; Water cooled; Gear lub. SAE 90; Semi-Automatic Recoil starter.             |          |            |                          |            |



## FIRESTONE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                  | Model  | Serial No.   | FOB      | Cash Value |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------------|----------|------------|
| 1956                                                                                                                                                                                                                                                                                                                                  | 10A114 | 133-6-1965   | \$349.95 |            |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ, M80CF Gap .035; Shear Pin 7/32" x 15/16" Brass; Wt. 68 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank hr.; Water cooled; Gear lub. SAE 90; Semi-Automatic Recoil starter. |        |              |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                  | 10A115 | 133-6-1665   | \$449.95 |            |
| 2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; Champ, H10J Gap .035; Shear Pin 1/4" x 1 1/8" Brass; Wt. 115 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank hr.; Water cooled; Gear lub. SAE 90; Semi-Automatic Recoil starter.        |        |              |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                  | 10A116 | 133-6-1665-3 | \$539.95 |            |
| 2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. Champ, H10J Gap .035; Shear Pin 1/4" x 1 1/8" Brass; Wt. 120 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank hr.; Water cooled; Gear lub. SAE 90; Electric starter.               |        |              |          |            |



**FLAMBEAU**  
 Metal Products Corporation  
 245 E. Keefe Ave., Milwaukee 12, Wis.

| Year                                                                                                                                                                                                                                                                                                                                                                                                      | Model    | Serial No.        | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-------------------|----------|------------|
| 1947-1948                                                                                                                                                                                                                                                                                                                                                                                                 | 2.5-46-1 | 1 to . . . .      | \$ 95.00 |            |
| 1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 26 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.                                                                                                                                 |          |                   |          |            |
| 1947-1948                                                                                                                                                                                                                                                                                                                                                                                                 | 2.5-46-1 | 1 to . . . .      | \$108.50 |            |
| 1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Automatic Rewind Cable Starter.                                                                                                               |          |                   |          |            |
| 1947-1948                                                                                                                                                                                                                                                                                                                                                                                                 | 5-46-1   | 1 to . . . .      | \$150.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 32 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                                                                                                                                         |          |                   |          |            |
| 1947-1948                                                                                                                                                                                                                                                                                                                                                                                                 | 5-46-1   | 1 to . . . .      | \$163.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Cable Starter.                                                                                                                       |          |                   |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                                                                      | 2.5-46-1 | 1 to . . . .      | \$105.00 |            |
| 1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 26 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.                                                                                                                                 |          |                   |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                                                                      | 2.5-46-1 | 1 to . . . .      | \$118.50 |            |
| 1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Automatic Rewind Cable Starter.                                                                                                               |          |                   |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                                                                      | 174050   | 05000 to . . . .  | \$154.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 32 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                                                                                                                                         |          |                   |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                                                                      | 174050   | 05000 to . . . .  | \$167.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Cable Starter.                                                                                                                       |          |                   |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                                      | 2.5-46-1 | 1 to . . . .      | \$ 98.50 |            |
| 1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter. Multi. disc clutch.                                                                                                     |          |                   |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                                      | 174050   | 010000 to . . . . | \$129.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter. Multi. disc clutch.                                                                                                         |          |                   |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                                                      | 2.5-46-1 | 1 to . . . .      | \$108.95 |            |
| 1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.                                                                                                     |          |                   |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                                                      | 174050   | 010000 to . . . . | \$142.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.                                                                                                         |          |                   |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                                                      | 174520   | 1 to . . . .      | \$116.50 |            |
| 1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.                                                                                                      |          |                   |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                                                      | 174050   | 010000 to . . . . | \$152.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.                                                                                                         |          |                   |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                      | 174520   | 1 to . . . .      | \$118.50 |            |
| 1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2-1/2 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.                                                                                                      |          |                   |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                      | 174050   | 010000 to . . . . | \$161.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter; Multi. disc clutch.                                                                                                         |          |                   |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                      | 174050   | 1 to . . . .      | \$123.50 |            |
| 1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 29 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub Texaco grease; Automatic rewind starter; Multi. disc clutch.                                                                              |          |                   |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                      | 174520   | 010000 to . . . . | \$129.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Wt. 35 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Texaco Grease; Automatic rewind starter; Multi. disc. clutch.<br>Equip. with transmission type shift—forward neutral, reverse at any speed. |          |                   |          |            |



## FLAMBEAU (Continued)

| Year                                                                                                                                                                                                                                                                                                                                  | Model  | Serial No. | FOB | Cash Value |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------|-----|------------|
| 1955-56                                                                                                                                                                                                                                                                                                                               | 174050 | 010000     |     | \$169.50   |
| 2 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 9.24; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 8 1/2";<br>2 Bi; C. P. Gap .020; S. P. Gap .025; Shear Pin Multiple Disc Clutch; Wt. 35 lbs.; Oil 2/3 pt; SAE<br>40 per gal; Fuel Cap. 7 pts Run. time full tank 1 hr; Water cooled; Gear lub. Texaco Grease;<br>Automatic Rewind starter.   |        |            |     |            |
| 1955-56                                                                                                                                                                                                                                                                                                                               | 125520 | 010000     |     | \$123.50   |
| 1 Cyl; B&S 1-15/16" x 1-9/16"; P. Disp. 4.62; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 7" x 6";<br>2 Bi; C. P. Gap .020; S. P. Gap .025; Shear Pin Multiple Disc Clutch; Wt. 29 lbs.; Oil 2/3 pt;<br>SAE 40 per gal; Fuel Cap. 7 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Texaco<br>Grease; Automatic Rewind starter. |        |            |     |            |



**HIAWATHA**  
*Gamble Skogmo, Inc.*  
 15 North Eighth St., Minneapolis, Minnesota

| Year                                                                                                                                                                                                                                                                                                                  | Model   | Serial No. | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|----------|------------|
| 1941                                                                                                                                                                                                                                                                                                                  | 121     |            | \$ 49.95 |            |
| 1 Cyl; B&S 1-15/16" x 1-35/64"; P. Disp. 4.56; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Commercial J-10, Gap .025; Shear Pin 3/16" x 15/16", Alum; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.                      |         |            |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | 122     |            | \$ 62.95 |            |
| 1 Cyl; B&S 1-15/16" x 1-35/64"; P. Disp. 4.56; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Commercial J-10, Gap .025; Shear Pin 3/16" x 15/16", Alum; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Automatic Rewind Starter.          |         |            |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | 251     |            | \$ 89.95 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Commercial J-10, Gap .025; Shear Pin 3/16" x 15/16", Alum; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                         |         |            |          |            |
| 1941                                                                                                                                                                                                                                                                                                                  | 252     |            | \$109.95 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Commercial J-10, Gap .025; Shear Pin 3/16" x 15/16", Alum; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water cooled; Automatic Rewind Starter.             |         |            |          |            |
| 1946                                                                                                                                                                                                                                                                                                                  | 131     |            | \$ 87.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.84; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 37 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.            |         |            |          |            |
| 1946                                                                                                                                                                                                                                                                                                                  | 252A    |            | \$124.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 46 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.  |         |            |          |            |
| 1947                                                                                                                                                                                                                                                                                                                  | 25-7955 |            | \$ 87.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 37 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.            |         |            |          |            |
| 1947                                                                                                                                                                                                                                                                                                                  | 25-7956 |            | \$ 97.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.            |         |            |          |            |
| 1947                                                                                                                                                                                                                                                                                                                  | 25-7970 |            | \$124.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 46 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter. |         |            |          |            |
| 1947                                                                                                                                                                                                                                                                                                                  | 25-7971 |            | \$134.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Commercial J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 48 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled Automatic Rewind Starter.  |         |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                  | 1H5     |            | \$ 63.50 |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 5/8", Alum; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.                            |         |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                  | 1H6     |            | \$ 93.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 38 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.              |         |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                  | 2H7     |            | \$127.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.   |         |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                  | 2H8     |            | \$215.00 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 7/32" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                    |         |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                  | 1H5     |            | \$ 69.50 |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 5/8", Alum; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.                            |         |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                  | 2H7     |            | \$139.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.   |         |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                  | 2H8     |            | \$219.50 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 7/32" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                    |         |            |          |            |



## HIAWATHA (Continued)

| Year                                                                                                                                                                                                                                                                                                                                             | Model            | Serial No. | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|----------|------------|
| 1950                                                                                                                                                                                                                                                                                                                                             | 1H5              |            | \$ 59.50 |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .020; S. P. Champion J9J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel Cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.                            |                  |            |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                             | 1H9              | 25-7958    | \$ 84.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .020; S. P. Champion J9J; Shear Pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel Cap. 4 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Rope Starter.                                        |                  |            |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                             | 2H7              |            | \$117.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/4" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 7 pts; Run. time full tank 1 hr.; Water Cooled; Automatic Rewind Starter.                               |                  |            |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                             | 2H8              |            | \$199.50 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin .210" x 1-3/16", stainless steel; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal.; Fuel Cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                    |                  |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                             | 3S10H            |            | \$ 89.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Rope starter.                                   |                  |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                             | 3D10H            |            | \$109.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.                       |                  |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                             | 5S10H            |            | \$129.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 3/16" x 15/16", alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.                                |                  |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                             | 5D10H            |            | \$164.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.              |                  |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                             | 12S10H           |            | \$219.50 |            |
| 2 Cyl; B&S; 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin .210" x 1-3/16", alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal.; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter. |                  |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                             | 12D10H           |            | \$269.50 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.               |                  |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                             | 250M1-25-7973-A  |            | \$164.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, None; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.              |                  |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                             | 250-M1-25-7981-A |            | \$269.50 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE 30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.                |                  |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                             | 350M1-25-7959A   | 3D10H      | \$104.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" varying; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin 1/8" x 7/8" stainless; Wt. 29 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 4 pts; Run time full tank 1 1/2 hrs; Water cooled; Gear lub. grease; Automatic rewind starter.              |                  |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                             | 350M1-25-7973A   | 5D10H      | \$149.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin none; Wt. 46 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 6 1/2 pts; Run time full tank 1 hr; Water cooled; Gear lub. 90 hypoid; Automatic rewind starter.                           |                  |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                             | 350M1-25-7981A   | 12D10H     | \$239.50 |            |
| 2 Cyl; B&S 2-3/8" x 2 1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia & pitch 9" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin Special; Wt. 64 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap 12 pts; Run time full tank 3/4 hr; Water cooled; Gear lub. 90 Hypoid; Automatic rewind starter.                            |                  |            |          |            |



## HIAWATHA (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                       | Model           | Serial No. | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------|----------|------------|
| 1954                                                                                                                                                                                                                                                                                                                                                       | 3D11H           |            | \$112.50 |            |
| 1 Cyl; B&S 2 1/4" x 1 1/2"; P. Disp. 5.35; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 7/8"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hr; Water cooled; Gear lub. lower unit lub. grease. Automatic rewind starter.                                         |                 |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                       | 5S10H           |            | \$144.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. gear grease; automatic rewind starter.                                                      |                 |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                       | 5D10H           |            | \$174.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 46 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid oil; Automatic rewind starter.                                                       |                 |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                       | 12D11H          |            | \$264.50 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid oil; Automatic rewind starter.                                                             |                 |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                       | 55 OM1-25-7959A |            | \$112.50 |            |
| 1 Cyl; B&S 2 1/4" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/4" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 3/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.                                   |                 |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                       | OM1-25-7982A    |            | \$264.50 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin Special Type; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr. Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.                                              |                 |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                       | 7960A           | 4065       |          |            |
| 1 Cyl; B&S 2 1/8" x 1 3/4"; P. Disp. 6.23; HP 3.6 @ 42-4500 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. H10J Gap .035; Shear Pin 5/32" x 59/64" Brass; Wt. 36 lbs.; Oil 1/2 pt; SAE 30 per gal.; Fuel Cap. 8 pts.; Run. time full tank 2 1/4 hr.; Rotor water pump cooled; Gear lub. SAE 90; Recoil starter.                          |                 |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                       | 7970A           | 4765       |          |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 42-4500 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. H10J Gap .035; Shear Pin 5/32" x 59/64" Brass; Wt. 45 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 28 pts.; Run. time full tank 5 hr.; Vacuumatic water pump cooled; Gear lub. SAE #90; Drop Pawl starter.               |                 |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                       | 7985A           | 4365       |          |            |
| 2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.0; HP 7.5 @ 42-4500 RPM; Prop. dia. & pitch 8" x 7"; 2 Bl; C. P. Gap .020; S. P. H10J Gap .035; Shear Pin 5/32" x 59/64" Brass; Wt. 49 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 6 hr.; Vacuumatic water pump cooled; Gear lub. SAE #90; Drop Pawl starter.                           |                 |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                       | 7995A           | 4965       |          |            |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 42-4500 RPM; Prop. dia. & pitch 9" x 10"; 2 Bl; C. P. Gap .020; S. P. 5MJ Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 3/4 hr.; Vacuumatic water pump cooled; Gear lub. SAE #90; Drop Pawl starter.                |                 |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                       | 8005A           | 4665       |          |            |
| 2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 42-4500 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. H10J, J6J Gap .030; Shear Pin 1/2" x 1-7/64" Brass; Wt. 115 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Vacuumatic water pump cooled; Gear lub. SAE #90; Drop Pawl starter.          |                 |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                       | 8006A           | 4665-3     |          |            |
| 2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30 @ 42-4500 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. H10J, J6J Gap .030; Shear Pin 1/2" x 1-7/64" Brass; Wt. 130 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Vacuumatic water pump cooled; Gear lub. SAE #90; Drop Pawl Electric starter. |                 |            |          |            |



(SUNING) NO31HOJ

## JOHNSON

### Johnson Motors

2600 Pershing Road, Waukegan, Illinois

| Year                                                                                                                                                                                                                                                                                     | Model | Serial No.      | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|----------|------------|
| 1935                                                                                                                                                                                                                                                                                     | J-75  | 219372 - 232156 | \$ 87.50 |            |
| 1 Cyl; B&S 2" x 1-1/2"; P. Disp. 4.71; HP 1.4 @ 3000 RPM; Prop. dia. & pitch 8" x 8"; 2 B1; C. P. Gap .020; S. P. Champion C-7; Shear Pin 31" x 54"; Wt. 29-1/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.         |       |                 |          |            |
| 1935                                                                                                                                                                                                                                                                                     | F-75  | 219372 - 232156 | \$115.00 |            |
| 2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 3.3 @ 3000 RPM; Prop. dia. & pitch 8" x 9"; 2 B1; C. P. Gap .020; S. P. Champion C-7; Shear Pin 31" x 54"; Wt. 43 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 19 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.             |       |                 |          |            |
| 1935                                                                                                                                                                                                                                                                                     | 300   | 219372 - 232156 | \$130.00 |            |
| 2 Cyl; B&S 1-7/8" x 1-3/8"; P. Disp. 7.59; HP 3.7 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/4"; 2 B1; C. P. Gap .020; S. P. Champion J-6; Shear Pin 31" x 54"; Wt. 37 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.     |       |                 |          |            |
| 1935                                                                                                                                                                                                                                                                                     | A-75  | 219372 - 232156 | \$145.00 |            |
| 2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.5 @ 4000 RPM; Prop. dia. & pitch 9-1/8" x 6"; 3 B1; C. P. Gap .020; S. P. Champion 5-M; Shear Pin 25" x 280"; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 34 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.    |       |                 |          |            |
| 1935                                                                                                                                                                                                                                                                                     | K-75  | 219372 - 232156 | \$165.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.3 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9"; 3 B1; C. P. Gap .020; S. P. Champion R-7; Shear Pin 15" x 102"; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.    |       |                 |          |            |
| 1935                                                                                                                                                                                                                                                                                     | P-75  | 219372 - 232156 | \$255.00 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 B1; C. P. Gap .020; S. P. Champion R-7; Shear Pin 19" x 102"; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.       |       |                 |          |            |
| 1935                                                                                                                                                                                                                                                                                     | OK-75 | 219372 - 232156 | \$150.00 |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.93; HP 8.1 @ 2800 RPM; Prop. dia. & pitch 10-1/4" x 13"; 2 B1; C. P. Gap .020; S. P. Champion R-7; Shear Pin 33" x 54"; Wt. 70 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.     |       |                 |          |            |
| 1936                                                                                                                                                                                                                                                                                     | A-80  | 232157 - 252675 | \$145.00 |            |
| 2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.5 @ 4000 RPM; Prop. dia. & pitch 9-1/8" x 6"; 3 B1; C. P. Gap .020; S. P. Champion 5-M; Shear Pin 25" x 286"; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.    |       |                 |          |            |
| 1936                                                                                                                                                                                                                                                                                     | K-80  | 232157 - 252675 | \$165.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.3 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9"; 3 B1; C. P. Gap .020; S. P. Champion R-7; Shear Pin 15" x 102"; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.   |       |                 |          |            |
| 1936                                                                                                                                                                                                                                                                                     | J-80  | 232157 - 252675 | \$ 90.00 |            |
| 1 Cyl; B&S 2" x 1-1/2"; P. Disp. 4.71; HP 1.7 @ 3300 RPM; Prop. dia. & pitch 8" x 6-1/4"; 2 B1; C. P. Gap .020; S. P. Champion C-7; Shear Pin 31" x 54"; Wt. 28-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.     |       |                 |          |            |
| 1936                                                                                                                                                                                                                                                                                     | P-80  | 232157 - 252675 | \$255.00 |            |
| 1 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 B1; C. P. Gap .020; S. P. Champion R-7; Shear Pin 19" x 102"; Wt. 108 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 34 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.      |       |                 |          |            |
| 1936                                                                                                                                                                                                                                                                                     | 100   | 232157 - 252675 | \$ 62.50 |            |
| 1 Cyl; B&S 2" x 1-1/2"; P. Disp. 4.71; HP 1.7 @ 3300 RPM; Prop. dia. & pitch 7-3/8" x 4-1/2"; 2 B1; C. P. Gap .020; S. P. Champion J8-J; Shear Pin 31" x 54"; Wt. 24-3/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter. |       |                 |          |            |
| 1936                                                                                                                                                                                                                                                                                     | 200   | 232157 - 252675 | \$ 82.50 |            |
| 2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.42; HP 3.3 @ 3300 RPM; Prop. dia. & pitch 7-5/8" x 5-1/2"; 3 B1; C. P. Gap .020; S. P. Champion C7; Shear Pin 31" x 54"; Wt. 38-3/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.   |       |                 |          |            |
| 1936                                                                                                                                                                                                                                                                                     | 300   | 232157 - 252675 | \$125.00 |            |
| 2 Cyl; B&S 1-7/8" x 1-3/8"; P. Disp. 7.59; HP 3.7 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/4"; 2 B1; C. P. Gap .020; S. P. Champion J6; Shear Pin 31" x 54"; Wt. 37 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6.5 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Rope Starter.     |       |                 |          |            |
| 1937                                                                                                                                                                                                                                                                                     | LS-37 | 252676 - 283888 | \$ 92.50 |            |
| 1 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 4.14; HP 2.1 @ 4000 RPM; Prop. dia. & pitch 8" x 4-3/4"; 2 B1; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 33 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 2-5/8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.    |       |                 |          |            |
| 1937                                                                                                                                                                                                                                                                                     | DS-37 | 252676 - 283888 | \$107.50 |            |
| 1 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 4.14; HP 2.1 @ 4000 RPM; Prop. dia. & pitch 8" x 4-3/4"; 2 B1; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 39 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 4 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.  |       |                 |          |            |
| 1937                                                                                                                                                                                                                                                                                     | LT-37 | 252676 - 283888 | \$125.00 |            |
| 2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.2 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 B1; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 40 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 5 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.        |       |                 |          |            |
| 1937                                                                                                                                                                                                                                                                                     | DT-37 | 252676 - 283888 | \$150.00 |            |
| 2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.2 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 B1; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 45 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.  |       |                 |          |            |
| 1937                                                                                                                                                                                                                                                                                     | 210   | 252676 - 283888 | \$105.00 |            |
| 2 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.4; HP 3.3 @ 3000 RPM; Prop. dia. & pitch 7-5/8" x 5-1/2"; 2 B1; C. P. Gap .030; S. P. Champion C7; Shear Pin Part No. 31-54; Wt. 38-3/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.       |       |                 |          |            |



## JOHNSON (Continued)

| Year                                                                                                                                                                                                                                                                                                  | Model | Serial No.      | FOB      | Cash Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------|----------|------------|
| 1937                                                                                                                                                                                                                                                                                                  | 110   | 252676 - 283888 | \$ 75.00 |            |
| 1 Cyl; B&S 2" x 1-1/2"; P. Disp. 4.71; HP 1.7 @ 3300 RPM; Prop. dia. & pitch 7-3/8" x 4-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 31-54; Wt. 24-3/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 4 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                 |       |                 |          |            |
| 1937                                                                                                                                                                                                                                                                                                  | AA-37 | 252676 - 283888 | \$175.00 |            |
| 2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.5 @ 4000 RPM; Prop. dia. & pitch 9-1/8" x 6", 3 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 25-286; Wt. 48 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                     |       |                 |          |            |
| 1937                                                                                                                                                                                                                                                                                                  | KA-37 | 252676 - 283888 | \$212.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.3 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9", 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 15-102; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel Cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                   |       |                 |          |            |
| 1937                                                                                                                                                                                                                                                                                                  | PO-37 | 252676 - 283888 | \$315.00 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22 @ 4000 RPM; Prop. dia. 12" x Different Types; 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel Cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                    |       |                 |          |            |
| 1938                                                                                                                                                                                                                                                                                                  | MS-38 | 283889 - 315166 | \$ 49.50 |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2.04; HP 1.1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 17 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 1.8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.               |       |                 |          |            |
| 1938                                                                                                                                                                                                                                                                                                  | MD-38 | 283889 - 315166 | \$ 62.50 |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2.04; HP 1.1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 21 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 2.3 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.         |       |                 |          |            |
| 1938                                                                                                                                                                                                                                                                                                  | LS-38 | 283889 - 315166 | \$ 77.50 |            |
| 1 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 4.14; HP 2.1 @ 4000 RPM; Prop. dia. & pitch 8" x 4-3/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 30-3/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 2-5/8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.             |       |                 |          |            |
| 1938                                                                                                                                                                                                                                                                                                  | DS-38 | 283889 - 315166 | \$ 94.50 |            |
| 1 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 4.14; HP 2.1 @ 4000 RPM; Prop. dia. & pitch 8" x 4-3/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 38 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.               |       |                 |          |            |
| 1938                                                                                                                                                                                                                                                                                                  | LT-38 | 283889 - 315166 | \$109.50 |            |
| 2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.2 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 37-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                 |       |                 |          |            |
| 1938                                                                                                                                                                                                                                                                                                  | DT-38 | 283889 - 315166 | \$129.50 |            |
| 2 Cyl; B&S 1-7/8" x 1-1/2"; P. Disp. 8.28; HP 4.2 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 13-40; Wt. 39-1/4 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.           |       |                 |          |            |
| 1938                                                                                                                                                                                                                                                                                                  | KA-38 | 283889 - 315166 | \$177.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.3 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9", 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 15-102; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                   |       |                 |          |            |
| 1938                                                                                                                                                                                                                                                                                                  | PO-38 | 283889 - 315166 | \$269.50 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 2.2 @ 4000 RPM; Prop. dia. & pitch 12" x Different Types 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.            |       |                 |          |            |
| 1938                                                                                                                                                                                                                                                                                                  | 210   | 283889 - 315166 | \$ 89.50 |            |
| 1 Cyl; B&S 2" x 1-1/2"; P. Disp. 9.4; HP 3.3 @ 3300 RPM; Prop. dia. & pitch 7-5/8" x 5-1/2"; 3 Bl; C. P. Gap .030; S. P. Champion C-7; Shear Pin Part No. 31-54; Wt. 39 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                       |       |                 |          |            |
| 1939                                                                                                                                                                                                                                                                                                  | MS-39 | 315167 - 355971 | \$ 49.50 |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2.04; HP 1.1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 17 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 1.8 pts; Run. time full tank 1 hr; Water Cooled; Reverse Starter.            |       |                 |          |            |
| 1939                                                                                                                                                                                                                                                                                                  | MD-39 | 315167 - 355971 | \$ 62.50 |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2.04; HP 1.1 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 21 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 2.3 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Ready-Pull Starter. |       |                 |          |            |
| 1939                                                                                                                                                                                                                                                                                                  | HS-39 | 315167 - 355971 | \$ 79.50 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 21-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.5 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter      |       |                 |          |            |
| 1939                                                                                                                                                                                                                                                                                                  | HA-39 | 315167 - 355971 | \$ 86.50 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 26 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.5 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.         |       |                 |          |            |
| 1939                                                                                                                                                                                                                                                                                                  | HD-39 | 315167 - 355971 | \$ 94.50 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 28 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.75 pts; Run. time full tank 1.1 hr. Water Cooled; Ready-Pull Starter.      |       |                 |          |            |
| 1939                                                                                                                                                                                                                                                                                                  | LT-39 | 315167 - 355971 | \$109.50 |            |
| 2 Cyl; B&S 1-5/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 33-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5.25 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.            |       |                 |          |            |
| 1939                                                                                                                                                                                                                                                                                                  | AT-39 | 315167 - 355971 | \$117.50 |            |
| 2 Cyl; B&S 1-5/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 38 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. .5 pts; Run. time full tank 1.2 hrs; Water Cooled; Ready-Pull Starter.         |       |                 |          |            |
| 1939                                                                                                                                                                                                                                                                                                  | DT-39 | 315167 - 355971 | \$129.50 |            |
| 2 Cyl; B&S 1-5/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 42 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6.5 pts; Run. time full tank 1.2 hrs; Water Cooled; Ready-Pull Starter.        |       |                 |          |            |



## JOHNSON (Continued)

| Year                                                                                                                                                                                                                                                                                                   | Model    | Serial No.      | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------|----------|------------|
| 1939                                                                                                                                                                                                                                                                                                   | KA-39    | 315167 - 355971 | \$177.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9"; 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 15-102; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                    |          |                 |          |            |
| 1939                                                                                                                                                                                                                                                                                                   | PO-39    | 315167 - 355971 | \$269.50 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x Different Types, 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Run. time full tank 1 hr; Water Cooled; Rope Starter.                             |          |                 |          |            |
| 1940                                                                                                                                                                                                                                                                                                   | MS-15    | 355972 - 397900 | \$ 49.50 |            |
| 1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.04; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 19 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 1.8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                |          |                 |          |            |
| 1940                                                                                                                                                                                                                                                                                                   | MD-15    | 355972 - 397900 | \$ 62.50 |            |
| 1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.04; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 3-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 24 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 2.3 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Ready-Pull Starter.  |          |                 |          |            |
| 1940                                                                                                                                                                                                                                                                                                   | HS-10.15 | 355972 - 397900 | \$ 79.50 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 21-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.25 pts; Run. time full tank 1.1 hr; Water Cooled; Rope Starter.         |          |                 |          |            |
| 1940                                                                                                                                                                                                                                                                                                   | HA-10.15 | 355972 - 397900 | \$ 86.50 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 26 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.25 pts; Run. time full tank 1.1 hr; Water Cooled; Ready-Pull Starter.       |          |                 |          |            |
| 1940                                                                                                                                                                                                                                                                                                   | HD-10.15 | 355972 - 397900 | \$ 94.50 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 28 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 3.25 pts; Run. time full tank 1.1 hr; Water Cooled; Ready-Pull Starter.       |          |                 |          |            |
| 1940                                                                                                                                                                                                                                                                                                   | LT-10    | 355972 - 397900 | \$109.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-3/8"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 33-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 5.2 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.               |          |                 |          |            |
| 1940                                                                                                                                                                                                                                                                                                   | AT-10    | 355972 - 397900 | \$117.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 38 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel Cap. 5.2 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.             |          |                 |          |            |
| 1940                                                                                                                                                                                                                                                                                                   | DT-10    | 355972 - 397900 | \$129.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 25-286; Wt. 42-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6.5 pts; Run. time full tank 1.2 hr; Water Cooled; Ready-Pull Starter.       |          |                 |          |            |
| 1940                                                                                                                                                                                                                                                                                                   | KA-10    | 355972 - 397900 | \$177.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9"; 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 15-102; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                    |          |                 |          |            |
| 1940                                                                                                                                                                                                                                                                                                   | SD-10    | 355972 - 397900 | \$244.50 |            |
| 2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10"; 3 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 43-300,079; Wt. 88 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.             |          |                 |          |            |
| 1940                                                                                                                                                                                                                                                                                                   | PO-10    | 355972 - 397900 | \$269.50 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                       |          |                 |          |            |
| 1941                                                                                                                                                                                                                                                                                                   | MS-20    | 397901 - 439206 | \$ 55.00 |            |
| 1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 4-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 24 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.               |          |                 |          |            |
| 1941                                                                                                                                                                                                                                                                                                   | MD-20    | 397901 - 439206 | \$ 62.00 |            |
| 1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 4-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 26 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Ready-Pull Starter. |          |                 |          |            |
| 1941                                                                                                                                                                                                                                                                                                   | HS-20    | 397901 - 439206 | \$ 87.00 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 27 lbs; 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                   |          |                 |          |            |
| 1941                                                                                                                                                                                                                                                                                                   | HD-20    | 397901 - 439206 | \$ 94.00 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 29 lbs; 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1.1 hr; Ready-Pull Starter.                         |          |                 |          |            |
| 1941                                                                                                                                                                                                                                                                                                   | TS-15    | 397901 - 439206 | \$118.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 42-300,592; Wt. 40 lbs; 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                   |          |                 |          |            |
| 1941                                                                                                                                                                                                                                                                                                   | TD-15    | 397901 - 439206 | \$125.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 42-300,592; Wt. 42 lbs; 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1.1 hrs; Water Cooled; Ready-Pull Starter.          |          |                 |          |            |
| 1941                                                                                                                                                                                                                                                                                                   | KS-15    | 397901 - 439206 | \$185.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 15-102; Wt. 64 lbs; 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Rope Starter.                                  |          |                 |          |            |



## JOHNSON (Continued)

| Year                                                                                                                                                                                                                                                                                                                   | Model                                                         | Serial No.      | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|-----------------|----------|------------|
| 1941                                                                                                                                                                                                                                                                                                                   | <b>KD-15</b>                                                  | 397901 - 439206 | \$195.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 15-102; Wt. 71 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.                          |                                                               |                 |          |            |
| 1941                                                                                                                                                                                                                                                                                                                   | <b>SD-10</b>                                                  | 397901 - 439206 | \$255.00 |            |
| 2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 12"; 3 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 45-300,079; Wt. 89 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.                             |                                                               |                 |          |            |
| 1941                                                                                                                                                                                                                                                                                                                   | <b>PO-15</b>                                                  | 397901 - 439206 | \$280.00 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 Bl; C. P. Gap .030; S. P. Champion R-7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                                       |                                                               |                 |          |            |
| 1942                                                                                                                                                                                                                                                                                                                   | <b>MS-20</b>                                                  | 439207 - 460782 | \$ 62.00 |            |
| 1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 4-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 24 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pt; Run. time full tank 1 hr; Water Cooled; Rope Starter.                                |                                                               |                 |          |            |
| 1942                                                                                                                                                                                                                                                                                                                   | <b>MD-20</b>                                                  | 439207 - 460782 | \$ 70.00 |            |
| 1 Cyl; B&S 1-1/2" x 1-3/8"; P. Disp. 2.43; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 4-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 26 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pt. Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.                          |                                                               |                 |          |            |
| 1942                                                                                                                                                                                                                                                                                                                   | <b>HS-20</b>                                                  | 439207 - 460782 | \$ 97.00 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 27 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pt; Run. time full tank 1 hr; Water Cooled; Rope Starter.                                |                                                               |                 |          |            |
| 1942                                                                                                                                                                                                                                                                                                                   | <b>HD-20</b>                                                  | 439207 - 460782 | \$105.00 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 43-72; Wt. 29 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.                         |                                                               |                 |          |            |
| 1942                                                                                                                                                                                                                                                                                                                   | <b>TD-15</b>                                                  | 439207 - 460782 | \$132.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 42-300,592; Wt. 40 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Ready-pull Starter.                         |                                                               |                 |          |            |
| 1942                                                                                                                                                                                                                                                                                                                   | <b>TS-15</b>                                                  | 439207 - 460782 | \$140.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 42-300,592; Wt. 42 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                               |                                                               |                 |          |            |
| 1942                                                                                                                                                                                                                                                                                                                   | <b>KS-15</b>                                                  | 439207 - 460782 | \$205.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion 5-M; Shear Pin Part No. 15-102; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                                |                                                               |                 |          |            |
| 1942                                                                                                                                                                                                                                                                                                                   | <b>KD-15</b>                                                  | 439207 - 460782 | \$215.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion 5 M; Shear Pin Part No. 15-102; Wt. 71 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.                          |                                                               |                 |          |            |
| 1942                                                                                                                                                                                                                                                                                                                   | <b>SD-10</b>                                                  | 439207 - 460782 | \$280.00 |            |
| 2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 12"; 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 89 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter.                              |                                                               |                 |          |            |
| 1942                                                                                                                                                                                                                                                                                                                   | <b>PO-15</b>                                                  | 439207 - 460782 | \$310.00 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No. 19-102; Wt. 109 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                                        |                                                               |                 |          |            |
| 1943                                                                                                                                                                                                                                                                                                                   |                                                               | 460783 - 491736 |          |            |
| 1944                                                                                                                                                                                                                                                                                                                   | No motors Manufactured for civilian use during 1943 and 1944. |                 |          |            |
| 1945                                                                                                                                                                                                                                                                                                                   | <b>HD-20 (HDL-20)</b>                                         | (not produced)  | \$105.00 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08 HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8J; Wt. 31 lbs; Shear Pin Part No. 43-72; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Ready-Pull Starter (HDL-\$110.00)    |                                                               |                 |          |            |
| 1945                                                                                                                                                                                                                                                                                                                   | <b>TD-15 (TDL-15)</b>                                         | 473319 - 478662 | \$140.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion J8-J; Shear Pin Part No. 41-300,592; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min.; Water Cooled; Ready-Pull Starter. (TDL-\$145.00) |                                                               |                 |          |            |
| 1945                                                                                                                                                                                                                                                                                                                   | <b>KD-15 (KDL-15)</b>                                         | 473962 - 483860 | \$215.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2"; 2 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 15-102; Wt. 70-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (KDL-\$220.00)        |                                                               |                 |          |            |
| 1945                                                                                                                                                                                                                                                                                                                   | <b>SD-10 (SDL-10)</b>                                         | (not produced)  | \$280.00 |            |
| 2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; H. P. 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10"; 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 92-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (SDL-\$285.00)        |                                                               |                 |          |            |
| 1945                                                                                                                                                                                                                                                                                                                   | <b>PO-15 (POL-15)</b>                                         | 470552 - 478106 | \$310.00 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12"; 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No 19-102; Wt. 115-3/4 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter. (POL-\$320.00)                      |                                                               |                 |          |            |
| 1946                                                                                                                                                                                                                                                                                                                   | <b>HD-20 (HDL-20)</b>                                         | 489360 - 533253 | \$115.50 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Ready-Pull Starter. (HDL-\$120.50)  |                                                               |                 |          |            |



## JOHNSON (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                | Model          | Serial No.      | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-----------------|----------|------------|
| 1946                                                                                                                                                                                                                                                                                                                                                | TD-20 (TDL-20) | 491055 - 537995 | \$154.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 41-300,592; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min.; Water Cooled; Ready-Pull Starter. (TDL-\$159.00)                               |                |                 |          |            |
| 1946                                                                                                                                                                                                                                                                                                                                                | KD-15 (KDL-15) | 488297 - 522161 | \$250.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2", 2 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 15-102; Wt. 70-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (KDL-\$255.00)                                     |                |                 |          |            |
| 1946                                                                                                                                                                                                                                                                                                                                                | SD-15 (SDL-15) | 504966 - 544041 | \$308.00 |            |
| 2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 92-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (SDL-\$313.00)                                        |                |                 |          |            |
| 1946                                                                                                                                                                                                                                                                                                                                                | PO-15 (POL-15) | 478122 - 521628 | \$350.00 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12", 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No. 19-102; Wt. 115-3/4 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter. (POL-\$360.00)                                                  |                |                 |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                | HD-25 (HDL-25) | 532889 - 617685 | \$120.00 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Ready-Pull Starter. (HDL-\$125.00)                               |                |                 |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                | TD-20 (TDL-20) | 536490 - 612209 | \$160.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 41-300,592; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min; Water Cooled; Ready-Pull Starter. (TDL-\$165.00)                                |                |                 |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                | KD-15 (KDL-15) | 521292 - 608441 | \$250.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2", 2 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 15-102; Wt. 70-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (KDL-\$255.00)                                     |                |                 |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                | SD-15 (SDL-15) | 529071 - 607080 | \$310.00 |            |
| 2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 92-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (SDL-\$315.00)                                        |                |                 |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                | PO-15 (POL-15) | 521555 - 609075 | \$350.00 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 12" x 12", 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No. 19-102; Wt. 115-3/4 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter. (POL-\$360.00)                                                  |                |                 |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                | HD-25 (HDL-25) | 617500 - 698924 | \$120.00 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 4.88 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Ready-Pull Starter. (HDL-\$127.50)                               |                |                 |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                | TD-20 (TDL-20) | 610154 - 706840 | \$160.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 41-300,592; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 15 min.; Water Cooled; Ready-Pull Starter. (TDL-\$167.50)                               |                |                 |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                | KD-15 (KDL-15) | 608390 - 685411 | \$250.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-31/32"; P. Disp. 13.96; HP 9.8 @ 4000 RPM; Prop. dia. & pitch 9-1/2" x 9-1/2", 2 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 15-102; Wt. 70-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 13 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (KDL-\$257.50)                                     |                |                 |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                | SD-15 (SDL-15) | 606907 - 703563 | \$310.00 |            |
| 2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 92-1/2 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Ready-Pull Starter. (SDL-\$317.50)                                        |                |                 |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                | PO-15 (POL-15) | 584462 - 676932 | \$350.00 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2", 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No. 19-102; Wt. 115-3/4 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 20 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter. (POL-\$365.00)                                          |                |                 |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                | HD-25 (HDL)    | 698925          | \$130.00 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 4.8 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Ready-Pull Starter.                                                  |                |                 |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                | TD-20 (TDL)    | 706841          | \$170.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J8J; Shear Pin Part No. 41-300,592; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Ready-Pull Starter.                                                  |                |                 |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                | QD-10 (QDL)    | 703813          | \$300.00 |            |
| 2 Cyl; B&S 2-3/8" x 1-7/8"; P. Disp. 16.6; HP 10.0 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 3 Bl; C. P. Gap .030; S. P. Champion J6J; Shear Pin Part No. 301923; Wt. 56 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 40 pts; Run. time full tank 4 hrs; Equipped with Separate Mile-Master Fuel Tank; Water Cooled; Ready-Pull Starter.                |                |                 |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                | SD-20 (SDL)    | 706313          | \$350.00 |            |
| 2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16.0 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .030; S. P. Champion 5M; Shear Pin Part No. 45-300,079; Wt. 85-1/2 lbs.; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 40 pts; Run. time full tank 2-1/2 hrs; Equipped with Separate Mile-Master Fuel Tank; Water Cooled; Ready-Pull Starter. |                |                 |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                | PO-15 (POL)    | 711013          | \$395.00 |            |
| 2 Cyl; B&S 2-3/4" x 2.52"; P. Disp. 29.92; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2", 3 Bl; C. P. Gap .030; S. P. Champion R7; Shear Pin Part No. 19-102; Wt. 115-3/4 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 20 pts; Run. time full tank 1 hr.; Water Cooled; Rope Starter.                                                     |                |                 |          |            |



## JOHNSON (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                                                | Model            | Serial No.      | FOB      | Cash Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|----------|------------|
| 1950                                                                                                                                                                                                                                                                                                                                                                                | HD-25 (HDL)      | 787474 - 866101 | \$125.00 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin Part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 4.8 pts; run. time full tank 1-1/2 hrs; Water Cooled; Ready-Pull Starter.                                                                        |                  |                 |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                | TN-25, 26 (TNL)  | 786915 - 869479 | \$170.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Drive Pin Part No. 302333; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel Cap. 7 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Ready-Pull Starter.                                                                             |                  |                 |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                | QD-10, 11 (QDL)* | 786921 - 864533 | \$285.00 |            |
| 2 Cyl; B&S 2-3/8" x 1-1/2"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin Part No. 301923; Wt. 56 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel Cap. 40 pts; run. time full tank 4 hrs; Water Cooled; Ready-Pull Starter.<br>* Equipped with separate "Mile Master Fuel Tank."                                |                  |                 |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                | SD-20 (SDL)*     | 788374 - 866309 | \$340.00 |            |
| 2 Cyl; B&S 2-1/2" x 2-1/4"; P. Disp. 22.09; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 Bl; C. P. Gap .020; S. P. Champion 5MJ Gap .030; Shear Pin Part No. 45-300079; Wt. 85-1/2 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel Cap. 40 pts; run. time full tank 2-1/2 hrs; Water Cooled; Ready-Pull Starter.<br>* Equipped with separate "Mile Master Fuel Tank".                   |                  |                 |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                | PO-15 (POL)      | 787024 - 869639 | \$395.00 |            |
| 2 Cyl; B&S 2-3/8" x 2.52"; P. Disp. 22.92; HP 22 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2", 3 Bl; C. P. Gap .020; S. P. Champion R7 Gap .020 (not adjustable); Shear Pin Part No. 19-102; Wt. 115-3/4 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel Cap. 20 pts; run. time full tank 1 hr; Water Cooled; Rope Starter.                                                              |                  |                 |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                                | HD-26 (HDL)      | 875015 - 860400 | \$137.50 |            |
| 2 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 4.08; HP 2.5 @ 4000 RPM; Prop. dia. & pitch 6-5/8" x 5-3/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 43-72; Wt. 31 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 4.9 pts; run. time full tank 1-1/2 hrs; Water cooled; Ready-Pull starter. Gear lub. Mobilube GX-90.                                              |                  |                 |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                                | TN-27 (TNL)      | 871440 - 921579 | \$187.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Drive Pin Part No. 302333; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                                                   |                  |                 |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                                | QD-12 (QDL)      | 876115 - 923779 | \$295.00 |            |
| 2 Cyl; B&S 2-3/8" x 1-7/8"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 301923; Wt. 56 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 40 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter. (Equipped with separate fuel tank.)                       |                  |                 |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                                | RD-10, 11 (RDL)  | 894227 - 922679 | \$390.00 |            |
| 2 Cyl; B&S 2-7/8" x 2-3/4"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2", 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 302566; Wt. approx. 95 lbs; Oil 1/2 pt. SAE-40 per gal.; Fuel cap. 40 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter. (Equipped with separate fuel tank.)     |                  |                 |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                                | JW-10 (JWL)      | 949258          | \$145.00 |            |
| 2 Cyl; B&S 1-9/16" x 1-3/8"; P. Disp. 5.27; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x 5-3/4"; 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear Pin Part No. 302230 Stainless Steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel Cap. 7 pts; Run. time 1-1/2 hrs; Gear lub. Mobilube GX-90; Water cooled; Ready-Pull starter.                                          |                  |                 |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                                | TN-27, 28 (TNL)  | 926305          | \$187.50 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 302333; Monel; Wt. 44 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 7 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gearlub. Mobilube GX-90; Ready-Pull starter.                                             |                  |                 |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                                | *QD-13 (QDL)     | 927530          | \$295.00 |            |
| 2 Cyl; B&S 2-3/8" x 1-7/8"; P. Disp. 16.6 HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8", 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 301923; Monel; Wt. 56 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 40 pts.; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.* (Equipped with separate fuel tank.)               |                  |                 |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                                | *RD-12, 13 (RDL) | 926405          | \$390.00 |            |
| 2 Cyl; B&S 2-3/8" x 2-3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12-1/2", 3 Bl; C. P. Gap .020; S. P. Champion J6J, Gap .030; Shear pin part No. 302566; Brass; Wt. approx. 97 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 40 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube. GX-90; Ready-Pull starter.* (Equipped with separate tank.) |                  |                 |          |            |



# JOHNSON (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                                          | Model                            | Serial No. | FOB      | Cash Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|------------|----------|------------|
| 1953                                                                                                                                                                                                                                                                                                                                                                          | JW-10 (JWL)                      | 983984     | \$145.00 |            |
| 2 Cyl; B&S 1-9/16" x 1-3/8"; P. Disp. 5.2764; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 5 3/4"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin no. 302230, stainless steel; Wt. 31 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 4.88 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                         |                                  |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                          | TN-28 (TNL)                      | 980884     | \$187.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin part no. 302333, monel; Wt. 44 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 7 pts; Run. time full tank 1 1/4 hrs; water cooled; gear lub. Mobilube GX-90; Ready-Pull starter.                                       |                                  |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                          | QD-14 (QDL)                      | 996584     | \$275.00 |            |
| 2 Cyl; B&S 2-3/8" x 1 1/2"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin part no. 301923, monel; Wt. 60 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 40 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter. (Equipped with separate fuel tank)            |                                  |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                          | RD-14, 15 (RDL)                  | 983284     | \$390.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin part no. 302566, Brass; Wt. 98 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 40 pts; Run. time full tank 2 hrs; water cooled; gear lub. Mobilube GX-90; Ready-Pull starter. (Equipped with separate fuel tank) |                                  |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                          | JW-10 (JWL)                      | 1075711    | \$145.00 |            |
| 2 Cyl; B&S 1-9/16" x 1-3/8"; P. Disp. 5.28; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 5 3/4"; 3 Bl; C. P. Gap .020; S. P. Auto Lite-A3X; Gap .030; Shear Pin part No. 302230; Stainless Steel; Wt. 32 lbs. Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 4.88 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                           |                                  |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                          | CD-10 (CDL)                      | 1082412    | \$210.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champion J-6-J Gap .030; Shear Pin Part No. 302333, Monel; Wt. 47 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 32 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                    |                                  |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                          | CD-11 (CDL)                      | 1128338    | \$210.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Auto-Lite-A3X or Champ. J-6-J Gap .030; Shear Pin Part No. 302333; Wt. 47 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 32 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                            |                                  |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                          | QD-15 (QDL)                      | 1083887    | \$297.50 |            |
| 2 Cyl; B&S 2-3/8" x 1 1/2"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champ. J6J Gap .030; Shear Pin Part No. 301923, Monel; Wt. 63 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 48 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                                 |                                  |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                          | RD-15 (RDL)                      | 1078711    | \$410.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J or Auto-Lite A3X Gap .030; Shear Pin Part No. 302566, Brass; Wt. 99 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                      |                                  |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                          | RD-15A (RDL)                     | 1105062    | \$410.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champ. J6J Gap .030; Shear Pin Part No. 302566, brass; Wt. 99 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                      |                                  |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                          | RD-16 (RDL)                      | 1124413    | \$410.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champ. J6J Gap .030; Shear Pin Part No. 302566, brass; Wt. 99 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 48 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                       |                                  |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                          | RDE-16 (RDL)                     | 1116337    | \$498.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ J6J or Auto-Lite A3X Gap .030; Shear Pin Part No. 302566, brass; Wt. 116 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 48 pts; Run. time full tank 2 hr; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                        |                                  |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                          | RD-16A (RDL)                     |            | \$410.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champ. J6J Gap .030; Shear Pin Part No. 302566, brass; Wt. 99 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 48 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                       |                                  |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                          | RDE-16A (RDL)                    |            | \$498.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Auto-Lite A3X or Champ. J6J Gap .030; Shear Pin Part No. 302333, Monel; Wt. 47 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 32 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. Mobilube GX-90; Ready-Pull starter.                       |                                  |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                          | Sea Horse "3" SW-N (SWL-11)      | 1202587    | \$145.00 |            |
| 2 Cyl; B&S 1-9/16" x 1 3/8"; P. Disp. 5.28; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 5 3/4"; 3 Bl; C. P. Gap .020; S. P. Champ J6J or Autolite A3X; Gap .030; Shear Pin 1/2" x 13/16"; Stain; Wt. 32 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4.88 Integral pts; Run. time full tank 1 hr; Water cooled; Gear lub. GX Mobilube 90; Automatic Rewind starter.         |                                  |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                          | Sea Horse "5 1/2" CD-12 (CDL-12) | 1195493    | \$210.00 |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champ J6J or Autolite A3X; Gap .030; Shear Pin 3/16" x 1/2" Stain; Wt. 47 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 32 pts; Remote; Run. time full tank 4 hrs.; Water cooled; Gear lub. GX 90; Automatic Rewind starter.                        |                                  |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                          | Sea Horse "10" QD-16 (QDL-16)    | 1194168    | \$310.00 |            |
| 2 Cyl; B&S 2-3/8" x 1-3/8"; P. Disp. 16.6; HP 10.0 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. Champ J6J or Autolite A3X; Gap .030; Shear Pin 3/16" x 13/16" Brass; Wt. 67 1/2 lbs; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Remote; Run. time full tank 3 hrs.; Water cooled; Gear lub. GX 90; Automatic Rewind starter.                        |                                  |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                          | Sea Horse "25" RD-17 (RDL-17)    | 1209618    | \$430.00 |            |
| 2 Cyl; B&S 2-3/8" x 2-3/8"; P. Disp. 35.7; HP 25.0 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Champ J6J or Autolite A3X; Gap .030; Shear Pin 1/4" x 1-1/8" Brass; Wt. 114 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs.; Water Cooled; Gear lub. GX 90; Automatic Rewind starter.                         |                                  |            |          |            |
|                                                                                                                                                                                                                                                                                                                                                                               | Electric Starting                |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                          | Sea Horse "25" RDE-17 (RDEL-17)  | 1199643    | \$525.00 |            |
| 2 Cyl; B&S 2-3/8" x 2-3/8"; P. Disp. 35.7; HP 25.0 @ 4000 RPM; Prop. dia. & pitch 10-3/8" x 12 1/2"; 3 Bl; C. P. Gap .023; S. P. Champ J6J or AutoLite A3X; Gap .030; Shear Pin 1/4" x 1-1/8" Brass; Wt. 128 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 hrs.; Water cooled; Gear lub. GX 90; Electric Plus Automatic Rewind starter.           |                                  |            |          |            |



# JOHNSON (Continued)

| Year                                                                                                                                                                                                                                                                                                                                       | Model   | Serial No. | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|----------|------------|
| 1956                                                                                                                                                                                                                                                                                                                                       | JW-12   | 1328373    | \$146.00 |            |
| 2 Cyl; P&S 1-9/16 x 1 1/8"; P. Disp. 5.28; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/4" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 13/16" s/s; Wt. 32 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 4.88 pts. Run. time full tank 1 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.             |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | JWL-12  | 1370800    | \$153.50 |            |
| 2 Cyl; B&S 1-9/16 x 1 1/8"; P. Disp. 5.28; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/4" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 13/16" s/s; Wt. 32 1/2 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 4.88 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.        |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | CD-13   | 1344230    | \$216.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/4"; P. Disp. 8.84; HP 5 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 7/8" s/s; Wt. 51 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 4 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.             |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | CDL-13  | 1361415    | \$223.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/4"; P. Disp. 8.84; HP 5 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 7/8" s/s; Wt. 52 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 4 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.             |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | AD-10   | 1363950    | \$241.00 |            |
| 2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 7/8" s/s; Wt. 56 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 3 1/2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.           |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | ADL-10  | 1376150    | \$248.50 |            |
| 2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.4; HP 7 1/2 @ 4000 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 7/8" s/s; Wt. 57 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 34 pts.; Run. time full tank 3 1/2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.           |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | QD-17   | 1329163    | \$321.00 |            |
| 2 Cyl; B&S 2 3/8" x 1 7/8"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 1-3/16" Brass; Wt. 70 1/2 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.             |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | QDL-17  | 1364950    | \$331.00 |            |
| 2 Cyl; B&S 2 3/8" x 1 7/8"; P. Disp. 16.6; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 8"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 1-3/16" Brass; Wt. 72 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.                 |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | FD-10   | 1334215    | \$362.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 1-3/16" s/s; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.             |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | FDL-10  | 1379250    | \$372.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 1-3/16" s/s; Wt. 76 1/2 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.         |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | FDE-10  | 1351230    | \$452.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin ; Wt. 88 1/2 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank hr.; cooled; Gear lub.; Auto. Rewind & Electric starter.                                       |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | FDEL-10 | 1393400    | \$462.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 15 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 1-3/16" s/s; Wt. 90 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/2 hrs.; Water cooled; Gear lub. GX-90; Auto. Rewind & Electric starter.     |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | RDL-18  | 1368025    | \$472.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 114 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.        |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | RD-18   | 1330648    | \$462.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 112 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Automatic Rewind starter.        |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | RDE-18  | 1331990    | \$552.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 126 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Auto. Rewind & Electric starter. |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | RDEL-18 | 1366725    | \$567.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 128 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Auto. Rewind & Electric starter. |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | RJE-18  | 1368925    | \$582.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 128 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Auto. Rewind & Electric starter. |         |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                       | RJEL-18 | 1384650    | \$597.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/4"; P. Disp. 35.7; HP 30 @ 4500 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 130 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. GX-90; Auto. Rewind & Electric starter. |         |            |          |            |

10 2200  
(803) 70 5403



**LAUSON**  
 The Lauson Company  
 A Division of the Hart-Carter Co.  
 New Holstein, Wis.

| Year                                                                                                                                                                                                                                                                                                                                                                                                          | Model                   | Serial No. | FOB      | Cash Value |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------|----------|------------|
| 1940-47                                                                                                                                                                                                                                                                                                                                                                                                       | Sport King OB-410       |            | \$117.20 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.1; HP 2.5 @ 3000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 3/16" x 1", alum; Wt. 39 lbs; SAE-20; Fuel cap. 5 pts; Run. time full tank 3 hrs. 30 min; Air Cooled; Cord Starter.                                                                                                                                              |                         |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                                                                          | Sport King Single S-300 |            | \$124.95 |            |
| 1 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 6.29; HP 3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 3/16" x 1", alum; Wt. 44 lbs; SAE-20; Fuel cap. 5 pts; Run. time full tank 3 hrs; Air Cooled; Auto-Rewind.                                                                                                                                                        |                         |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                                                                          | Sport King Twin T-600   |            | \$174.95 |            |
| 2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 12.58; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 3/16" x 1", alum; Wt. 57 lbs; SAE-20; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air Cooled; Auto-Rewind.                                                                                                                                                      |                         |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                                                                          | Sport King Single S-300 |            | \$129.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 6.29; HP 3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 3/16" x 1", alum; Wt. 44 lbs; SAE-20; Fuel cap. 5 pts; Run. time full tank 3 hrs; Air Cooled; Auto-Rewind.                                                                                                                                                        |                         |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                                                                          | Sport King Twin T-600   |            | \$179.50 |            |
| 2 Cyl; B&S 2-1/2" x 1-7/8"; P. Disp. 12.58; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 3/16" x 1", alum; Wt. 57 lbs; SAE-20; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air Cooled; Auto-Rewind.                                                                                                                                                      |                         |            |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                                          | Sport King Single S350  |            | \$129.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 6.65; HP 3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" alum; Wt. 44 lbs; SAE-30; Fuel cap. 5 pts; run. time full tank 3 hrs; Air Cooled; Auto-rewind starter.                                                                                                                                                 |                         |            |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                                          | Sport King Twin T-650   |            | \$179.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" alum; Wt. 57 lbs; SAE-30; Fuel cap. 10 pts; run. time full tank 3 hrs; Air Cooled; Auto-Rewind Starter.                                                                                                                                               |                         |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                                                          | Sport King Twin T651    |            | \$197.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1" alum; Wt. 57 lbs; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Auto-rewind starter.                                                                                                                                               |                         |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                                                                          | Sport King Twin T651R   |            | \$257.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1" alum; Wt. 64 lbs; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Auto-rewind starter; Reverse gear.                                                                                                                                 |                         |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                                                          | Sport King Single S351  |            | \$142.50 |            |
| 1 Cyl; B&S 2-3/8" x 1-3/8"; P. Disp. 6.65; HP 3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" alum; Wt. 44 lbs; SAE-30; Fuel cap. 5 pts; run. time full tank 3 hrs; Air Cooled; Auto-rewind starter.                                                                                                                                                 |                         |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                                                          | Sport King Twin T651    |            | \$197.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1" alum; Wt. 57 lbs; SAE-30; Fuel cap. 10 pts. Run. time full tank 3 hrs; Air Cooled; Auto-rewind starter.                                                                                                                                               |                         |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                                                                          | Sport King Twin T651R   |            | \$257.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-7/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1" alum; Wt. 64 lbs; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Auto-rewind starter; Reverse gear.                                                                                                                                 |                         |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                          | S-353                   |            | \$142.50 |            |
| 1 Cyl; B&S 2 3/8" x 1 3/8"; P. Disp. 6.65; HP 3 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 6" 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 44 lbs; Oil 2 pts.*; SAE-30; Fuel cap. 5 pts; Run. time full tank 3 hrs; Air cooled; Automatic Rewind starter; *Crank case (do not mix oil and Gasoline)                                                                                     |                         |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                          | T-653                   |            | \$197.50 |            |
| 2 Cyl; B&S 2 3/8" x 1 3/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 57 lbs; Oil 2 pts.*; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Automatic rewind starter; *Crank case (do not mix oil and Gasoline)                                                                                  |                         |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                                                                          | T653R                   |            | \$257.50 |            |
| 2 Cyl; B&S 2 3/8" x 1 3/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 64 lbs; Oil 2 pts.*; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Automatic rewind starter; *Crank case (do not mix oil and Gasoline)<br>1 Equip. with transmission type shift—forward, neutral, reverse at any speed. |                         |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                          | S-353                   |            | \$142.50 |            |
| 1 Cyl; B&S 2 3/8" x 1 3/8"; P. Disp. 6.65; HP 3 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C.P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 44 lbs; Oil 2 pts.*; SAE-30; Fuel cap. 5 pts; Run. time full tank 3 hrs; Air cooled; Automatic Rewind starter; *Crank case (do not mix oil and Gasoline) 1 Equip. with transmission type shift—forward, neutral, reverse at any speed.       |                         |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                          | T-653                   |            | \$197.50 |            |
| 2 Cyl; B&S 2 3/8" x 1 3/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 57 lbs; Oil 2 pts.*; SAE-30; Fuel Cap. 10 pts; Run. time full tank 3 hours; Air cooled; Automatic rewind starter; *Crank case (do not mix oil and gasoline)                                                                                |                         |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                                                                          | T653R                   |            | \$257.50 |            |
| 2 Cyl; B&S 2 3/8" x 1 3/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin 3/16" x 1", alum; Wt. 64 lbs; Oil 2 pts.*; SAE-30; Fuel cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Automatic rewind starter; *Crank case (do no mix oil and gasoline) 1 Equip. with transmission type shift—forward, neutral, reverse at any speed.     |                         |            |          |            |



**LAUSON—(Continued)**  
**The Lauson Company**  
**A Division of the Hart-Carter Co.**  
**New Holstein, Wis.**

| Year                                                                                                                                                                                                                                                                                                                                                                              | Model   | Serial No. | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|----------|------------|
| 1955-56                                                                                                                                                                                                                                                                                                                                                                           | S-393   |            | \$142.50 |            |
| 1 Cyl; B&S 2 1/4" x 1 1/8"; P. Disp. 6.65; HP 3 @ 4000 RPM; Prop. dia. & pitch 7 1/4" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" Alum; Wt. 44 lbs.; Oil 2 pt*; SAE 30 per gal; Fuel Cap. 5 pts; Run. time full tank 3 hrs; Air cooled; Gear lub.; Automatic Rewind starter.<br>* Crankcase (Do not mix gas and oil)                                         |         |            |          |            |
| 1955-56                                                                                                                                                                                                                                                                                                                                                                           | T653    |            | \$197.50 |            |
| 2 Cyl; B&S 2 1/4" x 1 1/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" Alum; Wt. 57 lbs.; Oil 2 pts*; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Gear lub.; Automatic Rewind starter.<br>* Crankcase (Do not mix gas and oil)                                      |         |            |          |            |
| 1955-56                                                                                                                                                                                                                                                                                                                                                                           | T653N** |            | \$223.85 |            |
| 2 Cyl; B&S 2 1/4" x 1 1/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" Alum; Wt. 57 lbs.; Oil 2 pts*; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Gear lub.; Automatic Rewind starter.<br>* Crankcase (Do not mix gas and oil)<br>** With Forward-Neutral           |         |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                              | T653R** |            | \$257.50 |            |
| 2 Cyl; B&S 2 1/4" x 1 1/8"; P. Disp. 13.30; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 6 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 1" Alum; Wt. 64 lbs.; Oil 2 pts*; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 3 hrs; Air cooled; Gear lub.; Automatic Rewind starter.<br>* Crankcase (Do not mix gas and oil)<br>** With Forward-Neutral & Reverse |         |            |          |            |



**MAJESTIC**  
 Outboard Motor Brands, Inc.  
 P. O. Box 994, Minneapolis, Minn.

| Year                                                                                                                                                                                                                                                                                                                                                      | Model                 | Serial No. | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|----------|------------|
| 1950                                                                                                                                                                                                                                                                                                                                                      | 1-MBB Standard Single |            | \$132.50 |            |
| 1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5 1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal. Fuel cap. 10 pts; Run time full tank 2 1/2 hrs; Water Cooled; Rope Starter.                                                  |                       |            |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                      | 2-MB Deluxe Single    |            | \$147.50 |            |
| 1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5 1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal. Fuel cap. 10 pts; Run time full tank 2 1/2 hrs; Water Cooled; Automatic Rewind Starter.                                      |                       |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                      | 1-MBB Standard Single |            | \$132.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, S. P. Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Run. time full tank 2-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Rope starter.                                     |                       |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                      | 2-MB Deluxe Single    |            | \$159.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Pull-O-Matic starter.                 |                       |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                      | 4-MB Deluxe Lite Twin |            | \$199.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 8-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Pull-O-Matic starter.             |                       |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                      | 1-MBB Standard Single |            | \$132.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, S. P. Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Run. time full tank 2-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Rope starter.                                     |                       |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                      | 2-MB Deluxe Single    |            | \$159.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Pull-O-Matic starter.                 |                       |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                      | 4-MB Deluxe Lite Twin |            | \$199.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 8-1/2", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Otbd. Grease; Water cooled; Pull-O-Matic starter.             |                       |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                      | M-2L Fisherman Spec.  |            | \$127.50 |            |
| 1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 8" x 5 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7; Gap .030; Shear pin 3/16" x 1-1/16"; Wt. 42 lbs. approx; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2 1/2 hrs; Gear lub. Outboard Motor Gear Lubr.; Water cooled; Automatic rewind starter. |                       |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                      | M-3L-GS Gear Shift    |            | \$198.50 |            |
| 2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; HP 5.0 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear Pin 3/16" x 1-1/16"; Wt. 56 lbs. approx; oil 1/2 pt; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1 1/2 hrs; Gear lub. 1* or 2*; water cooled; automatic rewind starter.                 |                       |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                      | M-4L-GS Gear Shift    |            | \$237.50 |            |
| 2 Cyl; B&S 2 1/4" x 1 3/4"; P. Disp. 12.41; HP 8.5 @ 4300 RPM; Prop. dia. & pitch 8" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7; Gap .030; Shear pin 3/16" x 1-1/16"; Wt. 56 lbs. approx; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 1/2 hrs; Gear lub. 1* or 2*; water cooled, Automatic rewind starter.                  |                       |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                      | M-6L-GS Gear Shift    |            |          |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 12.0 @ 4300 RPM; Prop. dia. & pitch 8" x 11 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear Pin 3/16" x 1-1/16"; Wt. 59 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 6** gal; Run. time full tank 4 hrs; Gear lub. 1* or 2*; water cooled; Automatic rewind starter.                    |                       |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                      | M-2LL Fisherman Spec. |            | \$137.50 |            |
| 1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 42 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 2 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.                   |                       |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                      | M-3 LL G.S.           |            | \$198.50 |            |
| 2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; HP 5.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. JSJ, Gap .030 Shear Pin 3/16" x 1-1/16", alum. Wt. 46 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.                     |                       |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                      | M-4 LL G.S.           |            | \$209.50 |            |
| 2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16" alum; Wt. 47 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 12 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.                  |                       |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                      | M-6 LL G.S.           |            | \$325.00 |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. JSJ, Gap .030; Shear Pin 3/16" x 1-1/16", brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48** pts; Run. time full tank 4 hrs.; Water cooled; Gear lub. 1* or 2*.; Automatic rewind starter.                     |                       |            |          |            |

1\* Use Champion Lower Unit Oil, 2\* Extreme Pressure Outb. Gear Oil EP-90.  
 \*\* 6 Gal. Separate Day Cruiser Tank.



## MAJESTIC (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                                       | Model                              | Serial No. | FOB | Cash Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------|-----|------------|
| 1954-55                                                                                                                                                                                                                                                                                                                                                                    | M-2LL Fisherman Spec.              |            |     | \$137.50   |
| 2 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 42 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 2 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.                                    |                                    |            |     |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                                    | M-3 LL G.S.                        |            |     | \$198.50   |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 5.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. JSJ, Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 46 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.                                     |                                    |            |     |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                                    | M-4 LL G.S.                        |            |     | \$209.50   |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" alum; Wt. 47 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 12 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.                                   |                                    |            |     |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                                    | M-6 LL G.S.                        |            |     | \$325.00   |
| 2 Cyl; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J, Gap .030; Shear Pin 3/16" x 1-1/16", brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48** pts; Run. time full tank 4 hrs.; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.                                       |                                    |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                       | 3MM-GS Power Shift                 |            |     | \$219.50   |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 5 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" Alum.; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1 or 2; Pull-O-M starter.                                                  |                                    |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                       | 4MM-GS Power Shift                 |            |     | \$245.00   |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J Gap .030; Shear Pin 3/16" x 1-1/16" Alum.; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1 or 2; Pull-O-M starter.                                              |                                    |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                       | 6MM-GS Power Shift                 |            |     | \$342.50   |
| 2 Cyl; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1 or 2; Pull-O-M starter.                                                  |                                    |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                       | 6MS-GS Power Shift Midship Control |            |     | \$375.00   |
| 2 Cyl; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 16 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1 or 2; Pull-O-M starter.                                                  |                                    |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                       | 4MM-HR, Class JU, Hot-Rod          |            |     | \$295.00   |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP @ RPM; Prop. dia. & pitch 5" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J3 Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 36 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 3 hrs; Water cooled; Gear lub. 1 or 2; Rope starter.                                                                      |                                    |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                       | 6MM-HR, Class BU, Hot-Rod          |            |     | \$397.50   |
| 2 Cyl; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP @ RPM; Prop. dia. & pitch 7" x 13 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. Gap .035; Shear Pin 3/16" x 1-1/16" Brass; Wt. 46 lbs.; Oil 3/4 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1 or 2; Rope starter.                                                                  |                                    |            |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                       | M-2N Fisherman Special             |            |     | \$174.50   |
| 1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .018; S. P. Champ. 7; Gap .030; Shear Pin 3/16" x 1-1/16" Alum.; Wt. 42 lbs.; Oil 1/2 pt; SAE * per gal.; Fuel Cap. 10 pts.; Run. time full tank 2 1/2 hr.; Water cooled; Gear lub. OM; Automatic Rewind starter.<br>OM—Outboard Motor Waterproof Gear Lub. |                                    |            |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                       | M-3N-GS Gear Shift                 |            |     | \$220.00   |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 6 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ J7J Gap .030; Shear Pin 3/16" x 1-1/16" Alum. Wt. 46 lbs.; Oil 1/2 pt; SAE * per gal.; Fuel Cap. 10 pts. Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. 1* or 2* Automatic Rewind starter.                                       |                                    |            |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                       | M-4N-GS Gear Shift                 |            |     | \$235.00   |
| 2 Cyl; B&S 1 7/8" x 1 3/4"; P. Disp. 9.66; HP 7.8 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J; Gap .030; Shear Pin 3/16" x 1-1/16" Alum.; Wt. 47 lbs.; Oil 1/2 pt; SAE * per gal.; Fuel Cap. 48** pts.; Run. time full tank 4 hrs.; water cooled; Gear lub. *2*; Automatic Rewind starter.                                      |                                    |            |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                       | M-6N-GS Gear Shift                 |            |     | \$335.00   |
| 2 Cyl; B&S 2 1/8" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .030; Shear Pin 3/16" x 1-1/16" Brass; Wt. 54 lbs.; Oil 1/2 pt; SAE * per gal.; Fuel Cap. 48** pts.; Run. time full tank 4 hrs.; water cooled; Gear lub. 2*; Automatic Rewind starter.                                              |                                    |            |     |            |

1\* Use Champion Lower Unit Oil, 2\* Extreme Pressure Outb. Gear Oil EP-90.

\*\* 6 Gal. Separate Day Cruiser Tank.



**MARTIN**  
**Martin Motors**  
**Div. National Pressure Cooker Co.**  
**Eau Claire, Wisconsin**

| Year                                                                                                                                                                                                                                                                                                                                                                                 | Model         | Serial No.   | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|--------------|----------|------------|
| 1948                                                                                                                                                                                                                                                                                                                                                                                 | 20            | 5000 Series  | \$105.00 |            |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.88; HP 2-1/3 at 4300 RPM; Prop. dia. & pitch 6-1/2" x 4-1/4", 2 B1; C. P. Gap .020"; S. P. Champion JHJ, Gap .030; Shear Pin 1" x 5/32", brass; Wt. 29-1/2 lbs; Oil 1/2 pt.* SAE-40 per gal; Fuel cap. 7 pts; Run. time full tank 2 hr. 30 min; Positive Displacement water cooled; Depend-a-pull starter.                                   |               |              |          |            |
| 1947-48                                                                                                                                                                                                                                                                                                                                                                              | 40            | 15000 Series | \$145.45 |            |
| 2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.76; HP 4-1/2" at 4300 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 B1; C. P. Gap .020"; S. P. Champion JHJ, Gap .030; Shear Pin 1" x 5/32", brass; Wt. 35-1/2 lbs. Oil 1/2 pt.* SAE-40 per gal; Fuel cap. 7 pts; Run. time 1 hr. 15 min; Positive Displacement water cooled; Depend-a-pull starter.                                                |               |              |          |            |
| 1946-47-48                                                                                                                                                                                                                                                                                                                                                                           | 60            | 25000 Series | \$184.45 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.00; HP 7.2 at 4000 RPM; Prop. dia. & pitch 8" x 8", 2 B1; C. P. Gap .020"; S. P. Champion JHJ, Gap .030; Shear Pin 1" x 5/32", brass; Wt. 43 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 1 gal; Run. time 1 hr; Positive Displacement water cooled; Depend-a-pull starter.                                                                        |               |              |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                                                 | 20            | 5000 Series  | \$119.45 |            |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.88; HP 2-1/3 @ 4300 RPM; Prop. dia. & pitch 6-1/2" x 4-1/4", 2 B1.; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32", Brass; Wt. 30 lbs.; Oil 3/4 pt. Break-in, 1/2 pt. Normal, 3/4 pt. Severe SAE-40 per gal. Fuel cap. 6-1/3 pts; Run. time full tank 2-1/2 hrs; Positive Water Rotor Pump; Depend-a-Pull Starter. |               |              |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                                                 | 40            | 15000 Series | \$150.45 |            |
| 2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.76; HP 4-1/2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6" 2 B1; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32" Brass; Wt. 36 lbs.; Oil 3/4 pt. Break-in, 1/2 pt. normal, 3/4 pt. Severe SAE-40 per gal; Fuel cap. 6-1/3 pts.; Run. time full tank 1-1/4 hrs; Positive Water Rotor Pump; Depend-a-pull starter.       |               |              |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                                                 | 60            | 25000 Series | \$189.45 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.2 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/4, 2 B1.; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32", Brass; Wt. 44 lbs.; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8pts.; Run. time full tank 1 hr.; Positive Water Rotor Pump; Depend-a-pull starter.                                                                |               |              |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                 | 20            | 5000 Series  | \$ 99.50 |            |
| 1 Cyl; B&S 1-9/16" x 1-1/4"; P. Disp. 2.88; HP 2-1/3 @ 4300 RPM; Prop. dia. & pitch 6-1/2" x 4-1/4", 2 B1; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32" Brass; Wt. 30 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 2-1/2 hrs; Positive Water Rotor Pump; Depend-a-Pull Starter.                                             |               |              |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                 | 40            | 15000 Series | \$150.45 |            |
| 2 Cyl; B&S 1-9/16" x 1-1/4"; P. Disp. 5.76; HP 4-1/2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 B1; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32" Brass; Wt. 36 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 1-1/4 hrs; Positive Water Rotor Pump; Depend-a-Pull Starter.                                                 |               |              |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                 | 60            | 25000 Series | \$189.45 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.2 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/4, 2 B1; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32" Brass; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Positive Water Rotor Pump; Depend-a-Pull Starter.                                                                    |               |              |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                 | Hi-Speed "60" | 25000 Series | \$275.00 |            |
| 2 Cyl; F&S 2" x 1-3/4"; P. Disp. 11; HP 7.2 @ 4000 RPM; Prop. dia. & pitch selected, 2 B1; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear Pin 1" x 5/32" Steel; Wt. 43-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank varies; Forced Water Cooling; Selected Starter.                                                                          |               |              |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                 | "66"          | 25000 Series | \$199.45 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.2 @ 4000 RPM; Prop. dia. & pitch 8" x 8-1/4", 2 B1; C. P. Gap .020; S. P. Gap .030; Shear Pin 1" x 5/32" Brass; Wt. 44 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr.; Positive Water Rotor Pump; Depend-a-Pull Starter.                                                                                    |               |              |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                                                 | "100"         | 55000        | \$269.50 |            |
| 2 Cyl; B&S 2-3/16" x 1-3/4"; P. Disp. 13.15; HP 10 @ 4800 RPM; Prop. dia. & pitch 8" x 9-1/4", 2 B1; C. P. Gap .020; S. P. Gap .030; Shear P.n, none; Wt. 57 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 1 hr; Positive Water Rotor Pump; Depend-a-Pull Starter.                                                                                          |               |              |          |            |



## MARTIN (Continued)

| Year                                                                                                                                                                                                                                                                                                                                     | Model                     | Serial No.   | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|--------------|----------|------------|
| 1951                                                                                                                                                                                                                                                                                                                                     | 20                        | 5000 Series  | \$114.75 |            |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.76; HP 2-1/3 @ 4300 RPM; Prop. dia. & pitch 6-1/2" x 4-1/2", 2 Bl; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear pin 1" x 5/32" brass; Wt. 29 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 2-1/2 hrs; Positive water rotor pump; Depend-a-Pull starter. |                           |              |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                     | 45 Synchro-Twist          | 15000 Series | \$169.75 |            |
| 2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.76; HP 4-1/2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear pin 1" x 5/32" brass; Wt. 35 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 1-1/4 hrs; Positive water rotor pump; Depend-a-Pull starter.     |                           |              |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                     | 75 Synchro-Twist          | 25000 Series | \$209.75 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 8" x 8-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J8J; Gap .030; Shear pin 1" x 5/32" brass; Wt. 43 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Positive water rotor pump; Depend-a-Pull starter.                             |                           |              |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                     | Hi-Speed 60               | 25000 Series | \$275.00 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4300 RPM; Prop. dia. & pitch selected, 2 Bl; C. P. Gap .020; S. P. Champion J8J, gap .030; Shear pin 1" x 5/32" steel; Wt. 43-1/2 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank varies; Forced water cooling; Gear lub. SAE-40; Depend-a-Pull starter.             |                           |              |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                     | 100                       | 55000        | \$269.75 |            |
| 2 Cyl; B&S 2-3/16" x 1-3/4"; P. Disp. 13.15; HP 10 @ 4300 RPM; Prop. dia. & pitch 8" x 9-1/4", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin none; Wt. 57 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 1 hr; Positive Water rotor pump; Depend-a-Pull starter. Gear lub. S.A.E.-40.                          |                           |              |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                     | 75 Twist-Shift            |              |          |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 8" x 8-1/4", 2 Bl; C. P. Gap .020; S. P. Gap .030; No shear pin; Wt. 49 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Positive water rotor pump. Gear lub. SAE-40; Depend-a-Pull starter.                                       |                           |              |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                     | 100 Twist-Shift           |              |          |            |
| 2 Cyl; B&S 2-3/16" x 1-3/4"; P. Disp. 13.15; HP 10 @ 4300 RPM; Prop. dia. & pitch 8" x 9-1/4", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin none; Wt. 58 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 1 hr; Positive water rotor pump; Gear lub. SAE-40; Depend-a-Pull starter.                             |                           |              |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                     | 45 Synchro-Twist          | 15000 Series | \$179.75 |            |
| 2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.76; HP 4-1/2 @ 4300 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .030; Shear pin 1" x 5/32" brass; Wt. 35 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 1-1/4 hrs; Positive water rotor pump; Depend-a-Pull starter.     |                           |              |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                     | 75 Aquamatic Twist-Shift  |              | \$234.75 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 8" x 8-1/4", 2 Bl; C. P. Gap .020; S. P. Gap .030; No shear pin; Wt. 49 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Positive water rotor pump. Gear lub. SAE-40; Depend-a-Pull starter.                                       |                           |              |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                     | 100 Aquamatic Twist-Shift |              | \$289.75 |            |
| 2 Cyl; B&S 2-3/16" x 1-3/4"; P. Disp. 13.15; HP 10 @ 4300 RPM; Prop. dia. & pitch 8" x 9-1/4", 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear pin none; Wt. 58 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 10 pts; Run. time full tank 1 hr; Positive water rotor pump; Gear lub. SAE-40; Depend-a-Pull starter.                             |                           |              |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                     | 20                        | 5000 Series  | \$114.75 |            |
| 1 Cyl; B&S 1-9/16" x 1 1/2"; P. Disp. 2.88; HP 2-1/3 @ 4300 RPM; Prop. dia. & pitch 6 1/2" x 4 1/2", 2 Bl; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .035; Shear pin 1" x 5/32" brass; Wt. 30 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3pts; Run. time full tank 2 1/2 hrs; Positive water rotor pump; Depend-a-Pull starter.  |                           |              |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                     | 45 Synchro-Twist          | 15000 Series | \$179.75 |            |
| 2 Cyl; B&S 1-9/16" x 1 1/2"; P. Disp. 5.76; HP 4 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J8J; S. P. Gap .035; Shear pin 1" x 5/32" brass; Wt. 35 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 6-1/3 pts; Run. time full tank 1 1/4 hrs; Positive water rotor pump; Depend-a-Pull starter.     |                           |              |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                     | 75 Aquamatic Twist-Shift  |              | \$234.75 |            |
| 2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 8" x 8 1/4", 2 Bl; C. P. Gap .020; S. P. Gap .035; No shear pin; Wt. 49 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Positive water rotor pump. Gear lub. SAE-40; Depend-a-Pull starter.                                       |                           |              |          |            |



## MARTIN (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                 | Model | Serial No. | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|----------|------------|
| 1954                                                                                                                                                                                                                                                                                                                                                 | 20    | A 15000    | \$129.75 |            |
| 1 Cyl; B&S 1-9/16" x 1 1/4"; P. Disp. 2.88; HP 2-1/3 @ 4300 RPM; Prop. dia. & pitch 6 1/4" x 4 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J-6-J Gap .030; Shear Pin 1" x 5/32", brass; Wt. 30 lbs.; Oil 1/4 pt; SAE-40 per gal; Fuel Cap. 6 1/3 pts; Run. time full tank 2 1/2 hrs; Forced water cooled; Gear lub. gear grease; Depend-A-Pull starter. |       |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                 | 45    | BB 58000   | \$179.75 |            |
| 2 Cyl; B&S 1-9/16" x 1 1/2"; P. Disp. 5.76; HP 4 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. J-8-J Gap .030; Shear Pin 1" x 5/32", brass; Wt. 36 lbs.; Oil 1/4 pt; SAE-40 per gal; Fuel Cap. 6-1/3 pts; Run. time full tank 1 1/4 hrs; Forced water cooled; Gear lub. gear grease; Depend-A-Pull starter.     |       |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                 | 75    | CC 117000  | \$199.50 |            |
| 2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11; HP 7 1/2 @ 4300 RPM; Prop. dia. & pitch 8" x 8 1/4"; 2 Bl; C. P. Cap. .020; S. P. Champ. J-8-J Gap .030; Shear Pin (none) Wt. 47 lbs.; Oil 3/4 pt; SAE-40 per gal; Fuel Cap. 8 pts; Run. time full tank 1 hr; Forced water cooled; Gear lub. S.A.E.-40; Depend-A-Pull starter.                                  |       |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                 | 100   | DB 19000   | \$259.75 |            |
| 2 Cyl; B&S 2-3/16" x 1 3/4"; P. Disp. 13.15; HP 10 @ 4300 RPM; Prop. dia. & pitch 8" x 9 1/4"; 2 Bl; C. P. Cap .020; S. P. Champ. J-6-J Gap .030; Shear Pin (none); Wt. 58 lbs.; Oil 1/2 pt; SAE-40 per gal; Fuel Cap. 10 pts; Run. time full tank 1 hr; Forced water cooled; Gear lub. S.A.E.-40; Depend-A-Pull starter.                            |       |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                 | 200   | EHD 9000   | \$359.75 |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 20 @ 5500 RPM; Prop. dia. & pitch 6 3/4" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ. J-3 Gap .035; Shear Pin 3/16" x 1-1/16" brass; Wt. 70 lbs.; Oil 3/4 pt; SAE-40 per gal; Fuel Cap. 10 pts; Run. time full tank 2/3-1 hr; Forced water cooled; Gear lub. ED 90-Hyp. 90; Depend-A-Pull starter.       |       |            |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                 | 200   | EHA 9000   | \$399.75 |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 20 @ 5500 RPM; Prop. dia. & pitch 6 3/4" x 9"; 2 Bl; C. P. Gap .020; S. P. Champ. J-3 Gap .035; Shear Pin 3/16" x 1-1/16" brass; Wt. 70 lbs.; Oil 3/4 pt; SAE-40 per gal; Fuel Cap. 10 pts; Run. time full tank 2/3-1 hr; Forced water cooled; Gear lub. EP 90-Hyp. 90; Depend-A-Pull starter.       |       |            |          |            |

**NO MOTORS BEING MANUFACTURED**



**MERCURY**  
Kiekhaefer Corporation  
Cedarburg, Wisconsin

This information was not released for publication but has been collected from various available sources. Not to be considered official.

| YEAR                                                                                                                                                    | MODEL  |                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|--------|------------------------------------------------------------|
| 1940                                                                                                                                                    | K-1    |                                                            |
| 1 Cyl.; B & S 2"x1 3/4"; P. Disp. 5.5; HP 2.5 @ 3800 RPM; Wt. 27 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.7 hrs.; Water Cooled; Rope Start.         |        |                                                            |
| 1940                                                                                                                                                    | K-2    |                                                            |
| 1 Cyl.; B & S 2"x1 3/4"; P. Disp. 5.5; HP 3 @ 4250 RPM; Wt. 28 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.8 hrs.; Water Cooled; Rope Start.           |        |                                                            |
| 1940                                                                                                                                                    | K-3    |                                                            |
| 1 Cyl.; B & S 2"x1 3/4"; P. Disp. 5.5; HP 3 @ 4250 RPM; Wt. 31 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.8 hrs.; Water Cooled; Rope Start.           |        |                                                            |
| 1940                                                                                                                                                    | K-4    |                                                            |
| 2 Cyl.; B & S 2"x1 3/4"; P. Disp. 11; HP 6 @ 4250 RPM; Wt. 41 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Rope Start.            |        |                                                            |
| 1940                                                                                                                                                    | K-5    |                                                            |
| 2 Cyl.; B & S 2"x1 3/4"; P. Disp. 11; HP 6 @ 4250 RPM; Wt. 43 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Rope Start.            |        |                                                            |
| 1941                                                                                                                                                    | KB-1   |                                                            |
| 1 Cyl.; B & S 2"x1 3/4"; P. Disp. 5.5; HP 2.9 @ 4000 RPM; Wt. 31 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.7 hrs.; Water Cooled; Rope Start.         |        |                                                            |
| 1941                                                                                                                                                    | KB-1A  |                                                            |
| 1 Cyl.; B & S 2"x1 3/4"; P. Disp. 5.5; HP 3.1 @ 4000 RPM; Wt. 32 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.7 hrs.; Water Cooled; Rope Start.         |        |                                                            |
| 1941                                                                                                                                                    | KB-2   |                                                            |
| 1 Cyl.; B & S 2"x1 3/4"; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Wt. 32 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.8 hrs.; Water Cooled; Rope Start.         |        |                                                            |
| 1941-42                                                                                                                                                 | KB-3   |                                                            |
| 1 Cyl.; B & S 2"x1 3/4"; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Wt. 36 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.8 hrs.; Water Cooled; Magnapull Starter.  |        |                                                            |
| 1941-42                                                                                                                                                 | KB-4   |                                                            |
| 2 Cyl.; B & S 2"x1 3/4"; P. Disp. 11; HP 5.8 @ 4000 RPM; Wt. 42 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Rope Start.          |        |                                                            |
| 1941                                                                                                                                                    | KB-5   |                                                            |
| 2 Cyl.; B & S 2"x1 3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Wt. 46 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Magnapull Starter.     |        |                                                            |
| 1946                                                                                                                                                    | KB-4-1 | Serial Nos. 93176 to 94425, 95183 to 95317, 95983 to 95989 |
| 2 Cyl.; B & S 2"x1 3/4"; P. Disp. 11; HP 5.8 @ 4000 RPM; Wt. 42 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Rope Start.          |        |                                                            |
| 1946                                                                                                                                                    | KD-3   |                                                            |
| 1 Cyl.; B & S 2"x1 3/4"; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Wt. 32 lbs.; Fuel Cap. 5 pts.; Run Time Full Tank 1.7 hrs.; Water Cooled; Rope Start.         |        |                                                            |
| 1946                                                                                                                                                    | KD-4   |                                                            |
| 2 Cyl.; B & S 2"x1 3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Wt. 46 lbs.; Fuel Cap. 8 pts.; Run Time Full Tank 1.5 hrs.; Water Cooled; Rope Start.            |        |                                                            |
| 1947-48                                                                                                                                                 | KE-3   | \$134.95                                                   |
| 1 Cyl.; B & S 2"x1 3/4"; P. Disp. 5.5; HP 3.6 @ 4000 RPM; Prop. dia. 7 1/2" 2 bl.; Wt. 36 lbs.; Fuel Cap. 10 pts.; Water Cooled; Magnapull Starter.     |        |                                                            |
| 1947-48-49-50                                                                                                                                           | KE-4   | \$189.50                                                   |
| 2 Cyl.; B & S 2"x1 3/4"; P. Disp. 11; HP 7.5 @ 4000 RPM; Prop. Dia. 7 1/2" 2 bl.; Wt. 54 lbs.; Fuel Cap. 12 pts.; Water Cooled; Magnapull Starter.      |        |                                                            |
| 1947-48-49-50                                                                                                                                           | KE-7   | \$291.00                                                   |
| 2 Cyl.; B & S 2-7/16x2-1/8"; P. Disp. 19.8; HP 10 @ 4000 RPM; Prop. Dia. 7 1/2" 3 bl.; Wt. 59 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull Starter. |        |                                                            |
| 1949-50                                                                                                                                                 | KF-3   | \$142.00                                                   |
| 1 Cyl.; B & S 2"x1 3/4"; P. Disp. 5.5; HP 3.5 @ 4000 RPM; Wt. 38 lbs. Fuel Cap. 10 pts.; Water Cooled; Magnapull Starter.                               |        |                                                            |
| 1949-50                                                                                                                                                 | KF-5   | \$182.00                                                   |
| 2 Cyl.; B & S 1 3/4"x1 1/2"; P. Disp. 7.2; HP 5 @ 4200 RPM; Wt. 37 lbs.; Fuel Cap. 10 pts.; Water Cooled; Magnapull Starter.                            |        |                                                            |
| 1949-50                                                                                                                                                 | KF-7   | \$311.00                                                   |
| 2 Cyl.; B & S 2-7/16x2-1/8"; P. Disp. 19.8; HP 10 @ 4000 RPM; Wt. 59 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull Starter.                          |        |                                                            |
| 1950                                                                                                                                                    | KG-4   | \$233.85                                                   |
| 2 Cyl.; B & S 2"x1 3/4"; P. Disp. 11; HP 7.5 @ 4000 RPM; Prop. Dia. 7 1/2" 2 bl.; Wt. 54 lbs.; Fuel Cap. 12 pts.; Water Cooled; Magnapull Starter.      |        |                                                            |
| 1950                                                                                                                                                    | KG-7   | \$354.45                                                   |
| 2 Cyl.; B & S 2-7/16x2-1/8"; P. Disp. 19.8; HP 10 @ 4000 RPM; Wt. 63 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull Starter.                          |        |                                                            |
| 1950                                                                                                                                                    | KG-9   | \$568.50                                                   |
| 4 Cyl.; B & S 2-7/16x2-1/8"; P. Disp. 39.6; HP 25 @ 4000 RPM; Wt. 122 lbs.; Fuel Cap. 10 1/2 gal. remote tank; Water Cooled; Rope Starter.              |        |                                                            |



**MERCURY**  
Kiekhaefer Corporation  
Fond du Lac, Wisconsin

| Year                                                                                                                                                                                                                                                                                                                                      | Model                | Serial No.                                  | FOB | Cash Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|---------------------------------------------|-----|------------|
| 1951-52                                                                                                                                                                                                                                                                                                                                   |                      | KF3                                         |     | \$148.00   |
| 1 Cyl.; B&S 2" x 1 3/4"; P. Disp. 5.5; HP 3.5 @ 4000; Wt. 38 lbs.; Fuel Cap. 10 pts.; Water Cooled; Magnapull starter.                                                                                                                                                                                                                    |                      |                                             |     |            |
| 1951-52                                                                                                                                                                                                                                                                                                                                   |                      | KF5                                         |     | \$192.50   |
| 2 Cyl.; B&S 1 3/4" x 1 1/2"; P. Disp. 7.2; HP 5 @ 4200 RPM; Wt. 40 lbs.; Fuel Cap. 10 pts.; Water Cooled; Magnapull starter.                                                                                                                                                                                                              |                      |                                             |     |            |
| 1951-52                                                                                                                                                                                                                                                                                                                                   |                      | KE4                                         |     | \$216.50   |
| 2 Cyl.; B&S 2" x 1 3/4"; P. Disp. 11; HP 7.5 @ 4000; Prop. Dia. 7 1/2" 2 bl.; Wt. 54 lbs.; Fuel Cap. 12 pts.; Water Cooled; Magnapull starter.                                                                                                                                                                                            |                      |                                             |     |            |
| 1951-52                                                                                                                                                                                                                                                                                                                                   |                      | KG4                                         |     | \$291.50   |
| 2 Cyl.; B&S 2 7/64" x 2 1/8"; P. Disp. 14.89; HP 7.5+ depending on RPM; Wt. 57 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull starter.                                                                                                                                                                                                  |                      |                                             |     |            |
| 1951-52                                                                                                                                                                                                                                                                                                                                   |                      | KG7                                         |     | \$384.50   |
| 2 Cyl.; B&S 2 7/16" x 2 1/8"; P. Disp. 19.8; HP 10+ depending on RPM; Wt. 63 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull starter.                                                                                                                                                                                                    |                      |                                             |     |            |
| 1951-52                                                                                                                                                                                                                                                                                                                                   |                      | KH7 Cruiser                                 |     | \$400.00   |
| 2 Cyl.; B&S 2 7/16" x 2 1/8"; P. Disp. 19.8; HP 10+ depending on RPM; Wt. 78 lbs.; Fuel Cap. 16 pts.; Water Cooled; Magnapull starter.                                                                                                                                                                                                    |                      |                                             |     |            |
| 1951-52                                                                                                                                                                                                                                                                                                                                   |                      | KG9                                         |     | \$599.00   |
| 4 Cyl.; B&S 2 7/16" x 2 1/8"; P. Disp. 39.6; HP 25+ depending on RPM; Wt. 122 lbs.; Fuel Cap. 10 1/2 gallon remote tank; Water Cooled; Automatic rewind starter.                                                                                                                                                                          |                      |                                             |     |            |
| 1953                                                                                                                                                                                                                                                                                                                                      | 1954                 | Specifications Not Released For Publication |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                      | Mark 5               |                                             |     | \$187.50   |
| 2 Cyl.; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5 @ 4200 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 40 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 10 pts; Run. time full tank 1-1/4 hrs; liquid cooled; Gear lub. K.A.M.; Mercury Magna-Pull starter.                                     |                      |                                             |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                      | Mark 6               |                                             |     | \$214.50*  |
| 2 Cyl.; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5.9 @ 4500 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 42 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 56 pts; Remote Tank; Run. time full tank 4 hrs; liquid cooled; Gear lub. K.A.M.; Mercury Magna-Pull starter.                          |                      |                                             |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                      | Mark 7               |                                             |     | \$224.00*  |
| 2 Cyl.; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4000 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller clutch; 54 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; liquid cooled; Gear lub. K.A.M.; Mercury Magna-Pull starter.                                            |                      |                                             |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                      | Mark 20              |                                             |     | \$343.50*  |
| 2 Cyl.; B&S 2-7/16" x 2-1/8"; P. Disp. 19.8; HP 16 @ 4000 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 73 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; Run. time full tank 2 1/2 hrs; liquid cooled; Gear lub. K.A.M.; Mercury Magna-Pull Starter.                     |                      |                                             |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                      | Mark 25              |                                             |     | \$381.00*  |
| 2 Cyl.; B&S 2-7/16" x 2 1/8"; P. Disp. 19.8; HP 18 @ 4500 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller clutch; Wt. 75 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; Run. time full tank 2 1/2 hrs; liquid cooled; Gear lub. K.A.M.; Automatic Rewind Starter.                       |                      |                                             |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                      | Mark 25 (Merc Elect) |                                             |     | \$381.00** |
| 2 Cyl.; B&S 2-7/16" x 2 1/8"; P. Disp. 19.8; HP 18 @ 4500 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 85 lbs; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; Run. time full tank 2 1/2 hrs; liquid cooled; Gear lub. K.A.M.; Electric Starter & Automatic Rewind Starter.     |                      |                                             |     |            |
| **Electric Starting Extra                                                                                                                                                                                                                                                                                                                 |                      |                                             |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                      | Mark 55              |                                             |     | \$569.00*  |
| 4 Cyl.; B&S 2-7/16" x 2-1/8"; P. Disp. 39.6; HP 40 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 110 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; Run. time full tank 2 hrs; liquid cooled; Gear lub. K.A.M.; Automatic Rewind Starter.                          |                      |                                             |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                      | Mark 55 (Merc Elect) |                                             |     | \$569.50** |
| 4 Cyl.; B&S 2-7/16" x 2-1/8"; P. Disp. 39.6; HP 40 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 120 lbs; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; Run. time full tank 2 hrs; liquid cooled; Gear lub. K.A.M.; Electric with Generator & Automatic Rewind Starter. |                      |                                             |     |            |
| **Electric Starting Extra                                                                                                                                                                                                                                                                                                                 |                      |                                             |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                      | Mark 20 H            |                                             |     | \$411.00§  |
| 2 Cyl.; B&S 2-7/16" x 2-1/8"; P. Disp. 19.8; HP varies with RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 65 lbs; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 51 pts; Remote Tank; liquid cooled; Gear lub. K.A.M.; Mercury Magna-Pull Starter.                                                   |                      |                                             |     |            |
| § Less Propeller                                                                                                                                                                                                                                                                                                                          |                      |                                             |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                      | Mark 40 H            |                                             |     | \$625.00§  |
| 4 Cyl.; B&S 2-7/16" x 2 1/8"; P. Disp. 39.6; HP Varies with RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ; Shear Pin None — Propeller Clutch; Wt. 95 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel cap. 96 pts; Remote Tank; liquid cooled; Gear lub. K.A.M.; Automatic Rewind Starter.                                                    |                      |                                             |     |            |
| § Less Propeller                                                                                                                                                                                                                                                                                                                          |                      |                                             |     |            |
| *All prices are for zone 1 delivery.                                                                                                                                                                                                                                                                                                      |                      |                                             |     |            |



# MERCURY (Continued)

| Year                                                                                                                                                                                                                                                                                                           | Model    | Serial No. | FOB      | Cash Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|----------|------------|
| 1956                                                                                                                                                                                                                                                                                                           | Mark 6   |            | \$225.00 |            |
| 2 Cyl; B&S 1 7/8" x 1 1/2" P. Disp. 7.2; HP 5.9 @ 4500 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ.; Shear Pin None—Propeller Clutch Wt. 42 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 26 pts.; Run. time full tank 3-4 hr.; Liquid cooled; Gear lub. K.A.M. Automatic Rewind starter.          |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                           | Mark 25  |            | \$395.00 |            |
| 2 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 19.8; HP 20 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ. Shear Pin None—Propeller clutch; Wt. 75 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Run. time full tank 3-4 hr.; Liquid cooled; Gear lub. K.A.M. Automatic Rewind starter.        |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                           | Mark 25E |            | \$484.95 |            |
| 2 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 19.8; HP 20 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ. Shear Pin None—Propeller clutch; Wt. 84 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Run. time 3-4 hr.; Liquid cooled; Gear lub. K.A.M.; Electric starter.                         |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                           | Mark 30  |            | \$479.50 |            |
| 4 Cyl; B&S 2-7/64" x 2 1/8"; P. Disp. 29.7; HP 30 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ. Shear Pin None—Propeller Clutch; Wt. 110 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Run. time full tank 2 1/2-3 1/2 hr.; Liquid cooled; Gear lub. K.A.M. Automatic Rewind starter.                  |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                           | Mark 30E |            | \$604.50 |            |
| 4 Cyl; B&S 2-7/64" x 2 1/8"; P. Disp. 29.7; HP 30 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ. Shear Pin None—Propeller clutch; Wt. 118 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/2-3 1/2 hr.; Liquid cooled; Gear lub. K.A.M.; Electric starter.      |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                           | Mark 55  |            | \$605.00 |            |
| 4 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 39.6; HP 40 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ.; Shear Pin None—Propeller clutch; Wt. 111 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Run. time full tank 2-2 1/2 hr.; Liquid cooled; Gear lub. K.A.M.; Automatic Rewind starter. |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                           | Mark 55E |            | \$730.00 |            |
| 4 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 39.6; HP 40 @ 5400 RPM; Prop. dia. & pitch Variable; 2 Bl; S. P. Champ. Shear Pin None—Propeller Clutch; Wt. 126 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Run. time full tank 2-2 1/2 hr.; Liquid cooled; Gear lub. K.A.M.; Electric starter.          |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                           | Mark 20H | Class B    | \$405.00 |            |
| 2 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 19.8; HP varies with RPM; Prop. dia. & pitch sold separately; S. P. Champ. Shear Pin—Yes; Wt. 68 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Liquid cooled; Gear lub. K.A.M.; Automatic Rewind starter.                                                   |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                           | Mark 30H | Class C    | \$540.00 |            |
| 4 Cyl; B&S 2-7/64" x 2 1/8"; P. Disp. 29.7; HP varies with RPM; Prop. dia. & pitch sold separately; S. P. Champ. Shear Pin—Yes; Wt. 98 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Liquid cooled; Gear lub. K.A.M.; Automatic Rewind starter.                                                   |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                           | Mark 55H | Class D    | \$640.00 |            |
| 4 Cyl; B&S 2-7/16" x 2 1/8"; P. Disp. 39.6; HP varies with RPM; Prop. dia. & pitch sold separately; S. P. Champ. Shear Pin—Yes; Wt. 102 lbs.; Oil 3/8 pt.; SAE K.A.M. per gal.; Fuel Cap. 48 pts.; Liquid cooled; Gear lub. K.A.M. Automatic Rewind starter.                                                   |          |            |          |            |



# MILBURN CUB

H. B. Milburn Co.

11861 S. Main St., Los Angeles 3, Calif.

| Year                                                                                                                                                                                                                                                                                                                                           | Model | Serial No. | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------|----------|------------|
| 1949                                                                                                                                                                                                                                                                                                                                           |       |            | \$ 69.50 |            |
| 1 Cyl; B&S 1-5/8" x 1-5/8"; Pist. Disp. 3.71; HP 2-1/2 @ 3750 RPM.; Prop. dia. & pitch 6-1/2" x 4-3/4"; 2 Bl.; C. P. Gap .012; S. P. Gap .018; Shear Pin 3/16" x 9/16" 17 St. Alloy; Wt. 25 lbs.; Oil 1 pt. SAE-40 per gal; Fuel cap. 5 pts.; Run. time full tank 1-1/2 hrs.; Gear Lubricant Mobile Grease Outboard; Air Cooled; Rope Starter. |       |            |          |            |



**MUNCIE**  
**Muncie Gear Works, Inc.**  
**Muncie, Indiana**

| Year                                                                                                                                                                                                                                                                                             | Model                | Serial No. | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|----------|------------|
| 1935                                                                                                                                                                                                                                                                                             | <b>OB16 Neptune</b>  |            |          |            |
| 2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 14 pts; Run. time full tank 1 hr. 10 min; Water Cooled; Rope Starter.          |                      |            |          |            |
| 1935                                                                                                                                                                                                                                                                                             | <b>OB32 Neptune</b>  |            |          |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4; Prop. dia. & pitch 8" x 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16"; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.                           |                      |            |          |            |
| 1935                                                                                                                                                                                                                                                                                             | <b>OB63 Neptune</b>  |            |          |            |
| 2 Cyl; P&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6; @ 3400 RPM. Prop. dia. & pitch 8" x 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. Water Cooled; Rope Starter.               |                      |            |          |            |
| 1935                                                                                                                                                                                                                                                                                             | <b>OB1 Neptune</b>   |            |          |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.            |                      |            |          |            |
| 1936                                                                                                                                                                                                                                                                                             | <b>OB16 Neptune</b>  |            |          |            |
| 2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10" 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" X 1-3/16", bronze; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.            |                      |            |          |            |
| 1936                                                                                                                                                                                                                                                                                             | <b>OB64 Neptune</b>  |            |          |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 3400 RPM; Prop. dia. & pitch 8" x 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                |                      |            |          |            |
| 1936                                                                                                                                                                                                                                                                                             | <b>OB34 Neptune</b>  |            |          |            |
| 2 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" X 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.        |                      |            |          |            |
| 1936                                                                                                                                                                                                                                                                                             | <b>OB11 Neptune</b>  |            |          |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter. |                      |            |          |            |
| 1937                                                                                                                                                                                                                                                                                             | <b>OB17A Neptune</b> |            | \$149.50 |            |
| 2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & Pitch 10" x 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.          |                      |            |          |            |
| 1937                                                                                                                                                                                                                                                                                             | <b>OB65A Neptune</b> |            | \$ 89.50 |            |
| 2 Cyl; B&S; 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 6 @ 3400 RPM; Prop. dia. & pitch 8" X 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" X 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.               |                      |            |          |            |
| 1937                                                                                                                                                                                                                                                                                             | <b>OB35A Neptune</b> |            | \$ 69.50 |            |
| 2 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" X 7", 2B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" X 1-3/16", bronze; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.         |                      |            |          |            |
| 1937                                                                                                                                                                                                                                                                                             | <b>OB12A Neptune</b> |            | \$ 49.50 |            |
| 1 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" X 5-1/8", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter. |                      |            |          |            |
| 1937                                                                                                                                                                                                                                                                                             | <b>OB14 Neptune</b>  |            | \$149.50 |            |
| 2 Cyl; P&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-1/2", bronze; Wt. 95 lbs; Oil 1 pt. SAE-30 per gal; Fuel Cap 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.             |                      |            |          |            |
| 1937                                                                                                                                                                                                                                                                                             | <b>OB64 Neptune</b>  |            | \$ 89.50 |            |
| 2 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 6 @ 3400 RPM; Prop. dia. & pitch 8" X 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156 dia. x 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.            |                      |            |          |            |
| 1937                                                                                                                                                                                                                                                                                             | <b>OB34 Neptune</b>  |            | \$ 69.50 |            |
| 2 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" X 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" X 1-3/16", bronze; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 8 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.        |                      |            |          |            |
| 1937                                                                                                                                                                                                                                                                                             | <b>OB11 Neptune</b>  |            | \$ 49.50 |            |
| 1 Cyl; B&S 2-1/16" X 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" X 5-1/8". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" X 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter. |                      |            |          |            |
| 1938                                                                                                                                                                                                                                                                                             | <b>1638 Neptune</b>  |            | \$169.50 |            |
| 2 Cyl; B&S 2-1/2" X 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" X 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32". bronze; Wt. 95; Oil 1 pt. SAE-30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.              |                      |            |          |            |
| 1938                                                                                                                                                                                                                                                                                             | <b>938 Neptune</b>   |            | \$118.50 |            |
| Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 62 lbs; Oil 1 pt. SAE-30 per gal; 2 Cyl; B&S 2-1/4" X 2"; P. Disp. 15.9; HP 9 @ 4000 RPM; Prop. dia. & pitch 9" X 9", 3 B1; C. P. Fuel Cap. 8 pts; Run. time full tank 50 min; Water Cooled, Rope Starter.                     |                      |            |          |            |
| 1938                                                                                                                                                                                                                                                                                             | <b>638 Neptune</b>   |            | \$ 98.50 |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02 HP 6 @ 3400 RPM; Prop. dia. & pitch 8" x 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. Water Cooled; Rope Starter.                 |                      |            |          |            |
| 1938                                                                                                                                                                                                                                                                                             | <b>438 Neptune</b>   |            | \$ 78.50 |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" x 7". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156 dia. x 1-3/16", brass; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.     |                      |            |          |            |



## MUNCIE (Continued)

| Year                                                                                                                                                                                                                                                                                             | Model         | Serial No. | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|----------|------------|
| 1938                                                                                                                                                                                                                                                                                             | 238 Neptune   |            | \$ 57.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8"; 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter. |               |            |          |            |
| 1938                                                                                                                                                                                                                                                                                             | 138 Neptune   |            | \$ 39.50 |            |
| 1 Cyl; B&S 1-1/2" x 1-1/2"; P. Disp. 2.87; HP 1.2 @ 3000 RPM; Prop. dia. & pitch 6" x 5". 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 16 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.              |               |            |          |            |
| 1939                                                                                                                                                                                                                                                                                             | 1639 Neptune  |            | \$164.50 |            |
| 2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10". 3 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.          |               |            |          |            |
| 1939                                                                                                                                                                                                                                                                                             | 939 Neptune   |            | \$114.50 |            |
| 2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Rope Starter.                     |               |            |          |            |
| 1939                                                                                                                                                                                                                                                                                             | 539 Neptune   |            | \$ 99.50 |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 5 @ 3800 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 55 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.               |               |            |          |            |
| 1939                                                                                                                                                                                                                                                                                             | 639 Neptune   |            | \$ 94.50 |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 3400 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt; SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                |               |            |          |            |
| 1939                                                                                                                                                                                                                                                                                             | 439 Neptune   |            | \$ 74.50 |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 45 lbs; Oil 2/3 pt; SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.        |               |            |          |            |
| 1939                                                                                                                                                                                                                                                                                             | 239 Neptune   |            | \$ 54.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8"; 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin .156" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt; SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter. |               |            |          |            |
| 1939                                                                                                                                                                                                                                                                                             | 139 Neptune   |            | \$ 35.50 |            |
| 1 Cyl; B&S 1-1/2" x 1-1/2"; P. Disp. 2.87; HP 1.2 @ 3000 RPM; Prop. dia. & pitch 6" x 5", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel Cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.              |               |            |          |            |
| 1940                                                                                                                                                                                                                                                                                             | 10A1 Neptune  |            | \$ 35.50 |            |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" x 5", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.            |               |            |          |            |
| 1940                                                                                                                                                                                                                                                                                             | 10A2 Neptune  |            | \$ 54.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8"; 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter. |               |            |          |            |
| 1940                                                                                                                                                                                                                                                                                             | 10A4 Neptune  |            | \$ 74.50 |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 45 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.        |               |            |          |            |
| 1940                                                                                                                                                                                                                                                                                             | 10A6 Neptune  |            | \$ 99.50 |            |
| 2 Cyl; B & S 2-1/16" X 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" X 7", 2B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 50 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.               |               |            |          |            |
| 1940                                                                                                                                                                                                                                                                                             | 10A10 Neptune |            | \$124.50 |            |
| 2 Cyl; B&S 2-1/4" X 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" X 9", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 63 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Rope Starter.                   |               |            |          |            |
| 1940                                                                                                                                                                                                                                                                                             | 10A16 Neptune |            | \$164.50 |            |
| 2 Cyl; B&S 2-1/2" X 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" X 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.          |               |            |          |            |
| 1941                                                                                                                                                                                                                                                                                             | 11A1 Neptune  |            | \$ 41.51 |            |
| 1 Cyl; B&S 1-9/16" X 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" X 5". 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" X 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.             |               |            |          |            |
| 1941                                                                                                                                                                                                                                                                                             | 11B1 Muncie   |            | \$ 38.95 |            |
| 1 Cyl; B&S 1-9/16" X 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" X 5", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.             |               |            |          |            |
| 1941                                                                                                                                                                                                                                                                                             | 11A2 Neptune  |            | \$ 58.40 |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8"; 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter. |               |            |          |            |
| 1941                                                                                                                                                                                                                                                                                             | 11AA2 Neptune |            | \$ 66.40 |            |
| 1 Cyl; B&S 2-1/4" X 1-1/2"; P. Disp. 5.01; HP 2 @ 3400 RPM; Prop. dia. & pitch 7-1/2" X 5-1/8", 2B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" X 1-3/16", bronze; Wt. 28 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Recoil Starter. |               |            |          |            |
| 1941                                                                                                                                                                                                                                                                                             | 11B2 Muncie   |            | \$ 58.40 |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8"; 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter. |               |            |          |            |



## MUNCIE (Continued)

| Year                                                                                                                                                                                                                                                                                                 | Model                  | Serial No. | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------|----------|------------|
| 1945-46                                                                                                                                                                                                                                                                                              | 15A9 Neptune           |            | \$187.50 |            |
| 2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Gap .015; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 58 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Rope Starter.                       |                        |            |          |            |
| 1945-46                                                                                                                                                                                                                                                                                              | 15AA9 Neptune          |            | \$198.50 |            |
| 2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Cap .015; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 58 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.                     |                        |            |          |            |
| 1947                                                                                                                                                                                                                                                                                                 | 17A1 Neptune           |            | \$ 70.00 |            |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.                 |                        |            |          |            |
| 1947                                                                                                                                                                                                                                                                                                 | 17A2 Neptune           |            | \$103.00 |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 Bl; C. P. Gap .020; S. P. Gap .033; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.     |                        |            |          |            |
| 1947                                                                                                                                                                                                                                                                                                 | 17A3 Neptune           |            | \$138.00 |            |
| 2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.74; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 40 min; Water Cooled; Rope Starter.  |                        |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                 | A1 Neptune<br>W/Shroud |            | \$ 70.00 |            |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 22 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.                |                        |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                 | B1 Neptune—WO/Shroud   |            | \$ 66.00 |            |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 22 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts. Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.                |                        |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                 | A2 Neptune             |            | \$103.00 |            |
| 1 Cyl; B&S 2-1/10" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Rope Starter.   |                        |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                 | AA2 Neptune            |            | \$123.00 |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Recoil Starter. |                        |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                 | AA4 Neptune            |            | \$148.00 |            |
| 2 Cyl; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 40 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 10 min; Water Cooled; Recoil Starter.     |                        |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                 | AA6 Neptune            |            | \$180.00 |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.2; HP 7 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 52 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Recoil Starter.                   |                        |            |          |            |
| 1948                                                                                                                                                                                                                                                                                                 | AA10 Neptune           |            | \$228.00 |            |
| 2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 10 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32"; Wt. 62 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.                              |                        |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                 | A1 Neptune             |            | \$ 49.50 |            |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.                |                        |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                 | A2 Neptune             |            | \$ 69.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 28 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Rope Starter.   |                        |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                 | AA2 Neptune            |            | \$ 89.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 43 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Recoil Starter. |                        |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                 | AA4 Neptune            |            | \$109.50 |            |
| 2 Cyl; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 10 min; Water Cooled; Recoil Starter.     |                        |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                 | AA6 Neptune            |            | \$149.50 |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 7 @ 4500 RPM; Prop. dia. & pitch 8" x 7", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 59 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr; Water Cooled; Recoil Starter.                  |                        |            |          |            |
| 1949                                                                                                                                                                                                                                                                                                 | AA10 Neptune           |            | \$169.50 |            |
| 2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 10.5 @ 4500 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32"; Wt. 64 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.                            |                        |            |          |            |



## MUNCIE (Continued)

| Year                                                                                                                                                                                                                                                                                                  | Model         | Serial No. | FOB | Cash Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|------------|-----|------------|
| 1941                                                                                                                                                                                                                                                                                                  | 11A3 Neptune  |            |     | \$ 82.50   |
| 2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.74; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 45 min; Water Cooled; Rope Starter.    |               |            |     |            |
| 1941                                                                                                                                                                                                                                                                                                  | 11AA3 Neptune |            |     | \$ 90.50   |
| 2 Cyl; B&S 1-9/16" X 1-1/2"; P. Disp. 5.74; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" X 5-1/8", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 40 min; Water Cooled; Recoil Starter. |               |            |     |            |
| 1941                                                                                                                                                                                                                                                                                                  | 11B4 Muncie   |            |     | \$ 79.85   |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 45 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.             |               |            |     |            |
| 1941                                                                                                                                                                                                                                                                                                  | 11A6 Neptune  |            |     | \$106.50   |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                     |               |            |     |            |
| 1941                                                                                                                                                                                                                                                                                                  | 11AA6 Neptune |            |     | \$114.50   |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pt; Run. time full tank 1 hr; Water Cooled; Recoil Starter.                    |               |            |     |            |
| 1941                                                                                                                                                                                                                                                                                                  | 11B6 Muncie   |            |     | \$106.50   |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                     |               |            |     |            |
| 1941                                                                                                                                                                                                                                                                                                  | 11A9 Neptune  |            |     | \$141.75   |
| 2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 58 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Rope Starter.                        |               |            |     |            |
| 1941                                                                                                                                                                                                                                                                                                  | 11AA9 Neptune |            |     | \$149.75   |
| 2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 58 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.                      |               |            |     |            |
| 1941                                                                                                                                                                                                                                                                                                  | 11B9 Muncie   |            |     | \$141.75   |
| 2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 9.5 @ 4000 RPM; Prop. dia. & pitch 9" x 9", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 58 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Rope Starter.                        |               |            |     |            |
| 1941                                                                                                                                                                                                                                                                                                  | 11A16 Neptune |            |     | \$189.25   |
| 2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & pitch 10" x 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.               |               |            |     |            |
| 1941                                                                                                                                                                                                                                                                                                  | 11B16 Muncie  |            |     | \$189.25   |
| 2 Cyl; B&S 2-1/2" x 2"; P. Disp. 19.62; HP 16 @ 4000 RPM; Prop. dia. & Pitch 10" x 10", 3 B1; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 95 lbs; Oil 1 pt. SAE-40 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.               |               |            |     |            |
| 1945-46                                                                                                                                                                                                                                                                                               | 15A1 Neptune  |            |     | \$ 54.50   |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" x 5", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.                  |               |            |     |            |
| 1945-46                                                                                                                                                                                                                                                                                               | 15B1 Muncie   |            |     | \$ 50.51   |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.5 @ 3000 RPM; Prop. dia. & pitch 6" x 5", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1", brass; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.                  |               |            |     |            |
| 1945-46                                                                                                                                                                                                                                                                                               | 15B2 Neptune  |            |     | \$ 79.50   |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 2 @ 2800 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 30 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.      |               |            |     |            |
| 1945-46                                                                                                                                                                                                                                                                                               | 15A3 Neptune  |            |     | \$106.50   |
| 2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.74; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 40 min; Water Cooled; Rope Starter.   |               |            |     |            |
| 1945-46                                                                                                                                                                                                                                                                                               | 15AA3 Neptune |            |     | \$116.50   |
| 2 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 5.74; HP 3.5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 5-1/8", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 33 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. 40 min; Water Cooled; Recoil Starter. |               |            |     |            |
| 1945-46                                                                                                                                                                                                                                                                                               | 15B4 Muncie   |            |     | \$138.00   |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 4 @ 3000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 45 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.             |               |            |     |            |
| 1945-46                                                                                                                                                                                                                                                                                               | 15A6 Neptune  |            |     | \$139.50   |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Rope Starter.                     |               |            |     |            |
| 1945-46                                                                                                                                                                                                                                                                                               | 15AA6 Neptune |            |     | \$149.50   |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.02; HP 6 @ 4000 RPM; Prop. dia. & pitch 8" x 7", 2 B1; C. P. Gap .015; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr; Water Cooled; Recoil Starter.                   |               |            |     |            |



## MUNCIE (Continued)

| Year                                                                                                                                                                                                                                                                                                | Model               | Serial No. | FOB             | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|-----------------|------------|
| 1950                                                                                                                                                                                                                                                                                                | <b>A1 Neptune</b>   |            | <b>\$ 59.50</b> |            |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts. Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.               |                     |            |                 |            |
| 1950                                                                                                                                                                                                                                                                                                | <b>AA2 Neptune</b>  |            | <b>\$123.50</b> |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8" 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 43 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Recoil Starter. |                     |            |                 |            |
| 1950                                                                                                                                                                                                                                                                                                | <b>AA4 Neptune</b>  |            | <b>\$159.50</b> |            |
| 2 Cyl; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8" 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 10 min; Water Cooled; Recoil Starter.     |                     |            |                 |            |
| 1950                                                                                                                                                                                                                                                                                                | <b>AA6 Neptune</b>  |            | <b>\$179.50</b> |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.2; HP 7 @ 4500 RPM; Prop. dia. & pitch 8" x 7", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr; Water Cooled; Recoil Starter.                  |                     |            |                 |            |
| 1950                                                                                                                                                                                                                                                                                                | <b>AA10 Neptune</b> |            | <b>\$249.50</b> |            |
| 2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 10.5 @ 4500 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 64 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.                 |                     |            |                 |            |
| 1951                                                                                                                                                                                                                                                                                                | <b>A1 Neptune</b>   |            | <b>\$ 65.50</b> |            |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1", bronze; Wt. 17 lbs; Oil 2/3 pt. SAE-30 per gal; Fuel cap. 2 pts. Run. time full tank 1 hr. 20 min; Water Cooled; Rope Starter.               |                     |            |                 |            |
| 1951                                                                                                                                                                                                                                                                                                | <b>AA2 Neptune</b>  |            | <b>\$135.50</b> |            |
| 1 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 5.01; HP 3.3 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8" 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 43 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 40 min; Water Cooled; Recoil Starter. |                     |            |                 |            |
| 1951                                                                                                                                                                                                                                                                                                | <b>AA4 Neptune</b>  |            | <b>\$175.50</b> |            |
| 2 Cyl; B&S 1-3/4" x 1-1/2"; P. Disp. 7.2; HP 5 @ 4500 RPM; Prop. dia. & pitch 6-1/2" x 5-5/8" 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 47 lbs; Oil 1/2 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr. 10 min; Water Cooled; Recoil Starter.     |                     |            |                 |            |
| 1951                                                                                                                                                                                                                                                                                                | <b>AA6 Neptune</b>  |            | <b>\$197.50</b> |            |
| 2 Cyl; B&S 2-1/16" x 1-1/2"; P. Disp. 10.2; HP 7 @ 4500 RPM; Prop. dia. & pitch 8" x 7", 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1-3/16", bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-40 per gal; Fuel cap. 5 pts; Run. time full tank 1 hr; Water Cooled; Recoil Starter.                  |                     |            |                 |            |
| 1951                                                                                                                                                                                                                                                                                                | <b>AA10 Neptune</b> |            | <b>\$274.50</b> |            |
| 2 Cyl; B&S 2-1/4" x 2"; P. Disp. 15.9; HP 10.5 @ 4500 RPM; Prop. dia. & pitch 9" x 9", 3 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 7/32" x 1-13/32", bronze; Wt. 64 lbs; Oil 2/3 pt. SAE-40 per gal; Fuel cap. 8 pts; Run. time full tank 50 min; Water Cooled; Recoil Starter.                 |                     |            |                 |            |

### (Motors Not Manufactured in 1952 or 1953)

#### (1954 A1 Neptune listed above)

|                                                                                                                                                                                                                                                                                                                        |                   |  |                 |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--|-----------------|--|
| 1955                                                                                                                                                                                                                                                                                                                   | <b>A1 Neptune</b> |  | <b>\$ 79.50</b> |  |
| 1 Cyl; B&S 1-9/16" x 1-1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5"; 2Bl; C. P. Gap .020; S.P. Gap .025; Shear Pin 5/32" x 1" Bronze; Wt. 17 lbs.; Oil 2/3 pt; SAE 30 per gal; Fuel cap. 2 pts.; Run. time full tank 1-1/3 hr; Water Cooled; Gear lub. Mobile Outboard Grease; Rope Starter.     |                   |  |                 |  |
| 1956                                                                                                                                                                                                                                                                                                                   | <b>A1 Neptune</b> |  | <b>\$ 79.50</b> |  |
| 1 Cyl; B&S 1-9/16" x 1 1/2"; P. Disp. 2.87; HP 1.7 @ 4000 RPM; Prop. dia. & pitch 6" x 5"; 2 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin 5/32" x 1" Bronze; Wt. 17 lbs.; Oil 2/3 pt.; SAE 30 per gal.; Fuel Cap. 2 pts. Run. time full tank 1-1/3 hr.; Water cooled; Gear lub. Mobile Outboard Grease; Rope starter. |                   |  |                 |  |



**OLIVER**  
**The Oliver Corporation**  
**108 S. McCamly St.**  
**Battle Creek, Mich.**

| Year                                                                                                                                                                                                                                                                                                                           | Model          | Serial No. | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|----------|------------|
| 1955                                                                                                                                                                                                                                                                                                                           | "J" Challenger | 55-J       | \$210.00 |            |
| 2 Cyl.; B&S 2" x 1½"; P. Disp. 9.42; HP 5.5 @ 4000 RPM; Prop. dia. & pitch 8" x 7"; 2 Bl; C. P. Gap .020; S. P. Champ. J8 Gap .030; Shear Pin 7/32" Brass; Wt. 48 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap. 28 pts; Water cooled; Gear lub. SAE 90 Hypoid; Rewind starter.                                                     |                |            |          |            |
| 1955                                                                                                                                                                                                                                                                                                                           | "K" Commander  | 55-K       | \$347.50 |            |
| 2 Cyl.; B&S 2½" x 2-1/32"; P. Disp. 19.94; HP 15.0 @ 4000 RPM; Prop. dia. & pitch 9¼" x 11½"; 2 Bl; C. P. Gap .020; S. P. Champ J7 Gap .030; Shear Pin 7/32" Brass; Wt. 68 lbs.; Oil ½ pt; SAE 30 per gal; Fuel Cap 48 pts; Water cooled; Gear lub. SAE 90 Hypoid; Rewind starter.                                             |                |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                           |                |            | \$215.00 |            |
| 2 Cyl.; B&S 2" x 1½"; P. Disp. 9.42; HP 5½ @ 4500 RPM; Prop. dia. & Pitch 8" x 6½"; 2 Bl; C. P. Gap .018; S. P. Champ. J8J Gap .028; Shear Pin 13/64" x 1-3/16"; Wt. 50 lbs.; Oil ½ pt.; SAE 30 per gal.; Fuel Cap. 24 pts.; Run. time full tank 4 hr.; Water cooled; Gear lub. SAE 90 Hypoid.                                 |                |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                           |                |            | \$360.00 |            |
| 2 Cyl.; B&S 2½" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4500 RPM; Prop. dia. & pitch 9¼" x 11½"; 2 Bl; C. P. Gap .018; S. P. Champ. H8J Gap .028; Shear Pin 13/64" x 1-3/16"; Wt. 75 lbs.; Oil ½ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2¾ hr.; Water cooled; Gear lub. SAE 90 Hypoid; Manual Recoil starter. |                |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                           | Elec-O-Matic   |            | \$460.00 |            |
| 2 Cyl.; B&S 2½" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4500 RPM; Prop. dia. & pitch 9¼" x 11½"; 2 Bl; C. P. Gap .018; S. P. Champ. H8J Gap .028; Shear Pin 13/64" x 1-3/16"; Wt. 87 lbs.; Oil ½ pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2¾ hr.; Water cooled; Gear lub. SAE 90 Hypoid; Electric starter.      |                |            |          |            |



**GEO. RILEY CO.**  
 4556 Floral Drive,  
 Los Angeles 22, Calif.

| Year                                                                                                                                                                                                                                                                                                                                                                                               | Model    | Serial No. | FOB                      | Cash Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|--------------------------|------------|
| 1954                                                                                                                                                                                                                                                                                                                                                                                               | Riley 75 | 4001       | \$1,050.00<br>\$1,195.00 |            |
| 5 Cyl; B&S 3-3/16" x 3-3/16" P. Disp. 127; HP 75 @ 4500 RPM; Prop. dia. & pitch 15" x 14", 14" x 19" or 12" x 21"; 3 Bl; C. P. Gap .020; S. P. Champ. J-6 Gap .025; Shear Pin Automatic Torsion releasing clutch; Wt. 225 lbs.; Oil remote oil tank; SAE 30 per gal; Remote fuel tank (extra); Run. time 6 1/4 gals per hr. Water cooled; Gear lub. APG. 90 Lubriplate; Electric and rope starter. |          |            |                          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                                               | Riley 75 | 4001       | \$1,050.00<br>\$1,195.00 |            |
| 5 Cyl; B&S 3-3/16" x 3-3/16"; P. Disp. 127; HP 75 @ 4500 RPM; Prop. dia. & pitch 15" x 14", 14" x 19", or 12" x 21"; 3 Bl; C. P. Gap .020; S. P. Champ. J6, Champ. J8 Gap .025; Shear Pin Automatic Torsion Releasing Clutch; Wt. 255 lbs.; Dry Sump-No Oil in Gas; 6 1/4 gals. per hr.; Water cooled; Gear lub. APG90 Lubriplate; Electric & Rope starter.                                        |          |            |                          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                               | Riley 75 | 4001       | \$1,397.50               |            |
| 5 Cyl; B&S 3-3/16" x 3-3/16"; P. Disp. 127.0; HP 75 @ 4500 RPM; Prop. dia. & pitch 12-15 x 12-17; 3 Bl; C. P. Gap .020; S. P. Gap .025; Shear Pin—Automatic releasing clutch; Wt. 250 lbs.; Oil—5 qt. tank in cover; SAE 30; Remote Fuel Tank; Run. time—6 1/2 gal. per hr.; Water cooled; Gear Lub. APG 90 Lubriplate; 12 volt electric starter.                                                  |          |            |                          |            |



## ROYAL

Distributed By:

Atlas Supply Co.—Newark N. J.  
Standard Oil of New JerseyStandard Oil of Kentucky  
Standard Oil of Indiana

| Year                                                                                                                                                                                                                                                                                                                                        | Model          | Serial No. | FOB           | Cash Value |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|---------------|------------|
| 1947                                                                                                                                                                                                                                                                                                                                        | 2A3            |            | \$147.50 List |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4". 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 48 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Recoil Starter.                                  |                |            |               |            |
| 1948                                                                                                                                                                                                                                                                                                                                        | 1A5            |            | \$ 66.50 List |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 5/8", Alum; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.                                                   |                |            |               |            |
| 1948                                                                                                                                                                                                                                                                                                                                        | 2A3            |            | \$136.00 List |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4". 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                         |                |            |               |            |
| 1948                                                                                                                                                                                                                                                                                                                                        | 2A8            |            | \$215.00 List |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 7/32" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                                          |                |            |               |            |
| (1949 Specifications Not Received).                                                                                                                                                                                                                                                                                                         |                |            |               |            |
| 1952                                                                                                                                                                                                                                                                                                                                        | 3D10A          |            |               |            |
| 1 Cyl; B&S 2-1/2" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear Pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.                   |                |            |               |            |
| 1952                                                                                                                                                                                                                                                                                                                                        | 5D10A          |            |               |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.81; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.          |                |            |               |            |
| 1952                                                                                                                                                                                                                                                                                                                                        | 12D10A         |            |               |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. Time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.           |                |            |               |            |
| 1953                                                                                                                                                                                                                                                                                                                                        | 3 HP DeLuxe    | 3D10A      | \$127.30      |            |
| 1 Cyl; B&S 2 3/8" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" varying; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin 1/4" x 3/8" stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 1/2 hrs; Gear Lub. grease; Water cooled; Automatic rewind starter. |                |            |               |            |
| 1953                                                                                                                                                                                                                                                                                                                                        | 5 HP DeLuxe    | 5D10A      | \$175.70      |            |
| 2 Cyl; B&S 1-5/16" x 1 1/2"; P. Disp. 8.81; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin, none; Wt. 46 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap 6 1/2 pts; Run. time full tank 1 hr; Gear Lub. SAE 90 Hypoid oil; Water cooled; Automatic rewind starter.            |                |            |               |            |
| 1953                                                                                                                                                                                                                                                                                                                                        | 12 HP DeLuxe   | 12D10A     | \$281.70      |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin Special; Wt. 64 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Gear Lub. SAE 90 Hypoid oil; Water cooled; Automatic rewind starter.            |                |            |               |            |
| 1953                                                                                                                                                                                                                                                                                                                                        | 5 HP Standard  | 5S10A      | \$149.50      |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.81; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin 3/16" x 15/16" aluminum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 1/2 pts; Run. time full tank 1 hr; Gear Lub. grease; Water cooled; Automatic rewind starter.   |                |            |               |            |
| 1953                                                                                                                                                                                                                                                                                                                                        | 12 HP Standard | 12S10A     | \$229.50      |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9 1/4"-varying; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .025; Shear pin .210" x 3/16" aluminum; Wt. 66 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Gear Lub. grease; Water cooled; Automatic rewind starter.      |                |            |               |            |
| 1954                                                                                                                                                                                                                                                                                                                                        | 3D11A          |            | \$124.45      |            |
| 1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.35; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/4" x 6 3/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. lower unit lub grease. Automatic rewind starter.                           |                |            |               |            |
| 1954                                                                                                                                                                                                                                                                                                                                        | 5S10A          |            |               |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.81; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J, Gap .030; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. gear grease; Automatic rewind starter.                                      |                |            |               |            |
| 1954                                                                                                                                                                                                                                                                                                                                        | 5D10A Deluxe   |            | \$188.89      |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.81; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 46 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid oil; Automatic rewind starter.                                        |                |            |               |            |
| 1954                                                                                                                                                                                                                                                                                                                                        | 12D11A         |            | \$283.89      |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid oil; Automatic rewind starter.                                              |                |            |               |            |



## ROYAL (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                                   | Model   | Serial No. | FOB | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------|-----|------------|
| 1955                                                                                                                                                                                                                                                                                                                                                                   | 3D12A   |            |     |            |
| 1 Cyl.; P. Disp. 5.32; B&S 2-1/8" x 1-1/2"; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6-1/4" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 7/8" Stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel cap. 4 pts; Run. time full tank 1 1/2 hrs.; Water Cooled; Gear Lub.; Gear Grease; Automatic Rewind Starter.                                            |         |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                   | 5S11A   |            |     |            |
| 2 Cyl.; P. Disp. 8.84; B&S 1-15/16" x 1 1/2"; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum.; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Gear Lub. Gear Grease; Automatic Rewind Starter.                                          |         |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                   | 5D11A   |            |     |            |
| 2 Cyl.; P. Disp. 8.84; B&S 1-15/16" x 1 1/2"; HP 5.0 @ 4000 RPM; Prop. Dia. & Pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 1/2 pts; Run. time full tank 1 hr; Water Cooled; Gear Lube Hypoid Oil; Automatic Rewind Starter.                                                           |         |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                   | 12D11A  |            |     |            |
| 2 Cyl.; P. Disp. 17.89; B&S 2 1/4" x 2 1/4"; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin; Special Type; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel cap. 16 pts.; Run. time full tank 1 hr; Water Cooled; Gear Lub. Hypoid Oil; Automatic Rewind Starter.                                                       |         |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                   | 22D10A  |            |     |            |
| 2 Cyl.; P. Disp. 32.6; B&S 2 3/4" x 2 3/4"; HP 22.0 @ 4000 RPM; Prop. Dia. & Pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel cap. * pts; Run. time full tank 2 hr; Water cooled; Gear Lube Hypoid Oil; Automatic Rewind Starter.<br>* Bosun Fuel System — 6 gal. capacity |         |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                   | 22DE10A |            |     |            |
| 2 Cyl.; B&S 2 3/4" x 2 3/4"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 125 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. * pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Hypoid Oil; Electric & Automatic Rewind starter.                              |         |            |     |            |
| 1955                                                                                                                                                                                                                                                                                                                                                                   | 3D11A   |            |     |            |
| 1 Cyl.; P. Disp. 5.32; B&S 2 1/4" x 1 1/2"; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 7/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear Lube Gear Grease; Automatic Rewind starter.                                              |         |            |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                   | 3D13A   |            |     |            |
| 1 Cyl.; B&S 2 1/8" x 1 1/2"; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/4" x 6 3/8"; 2 Bl; Shear Pin; Fuel Cap. 4 pts.; Run. time full tank 1 1/4 hr. Automatic Rewind Starter.                                                                                                                                                                                           |         |            |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                   | 5D12A   |            |     |            |
| 2 Cyl.; B&S 1-15/16" x 1 1/2"; HP 5 @ 4000 RPM; Prop. dia. 8"; 2 Bl; Spring overload Clutch; Fuel Cap. 7 pts.; Run. time full tank 1 hr.; Automatic rewind starter.                                                                                                                                                                                                    |         |            |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                   | 12D13A  |            |     |            |
| 2 Cyl.; B&S 2 1/4" x 2 1/4"; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; Shear Pin; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Automatic Rewind Starter.                                                                                                                                                                                                   |         |            |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                   | 25D11A  |            |     |            |
| 2 Cyl.; B&S 2 7/8" x 2 3/4"; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 10 1/2"; 3 Bl; Shear Pin; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Automatic rewind starter.                                                                                                                                                                                          |         |            |     |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                   | 25DE11A |            |     |            |
| 2 Cyl.; B&S 2 7/8" x 2 3/4"; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 10 1/2"; 3 Bl; Shear Pin; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Automatic rewind starter.                                                                                                                                                                                          |         |            |     |            |



**SCOTT-ATWATER**  
*Scott-Atwater Mfg. Co., Inc.*  
 Minneapolis 13, Minn.

| Year                                                                                                                                                                                                                                                                                                                                                      | Model     | Serial No.   | FOB      | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|--------------|----------|------------|
| 1946                                                                                                                                                                                                                                                                                                                                                      | 461       | 461 Series   | \$97.00  |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 40 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.             |           |              |          |            |
| 1946                                                                                                                                                                                                                                                                                                                                                      | 467       | * 467 Series | \$110.00 |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start. |           |              |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                      | 470       | 470 Series   | \$101.00 |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 40 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.             |           |              |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                      | 471       | 471 Series   | \$110.00 |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start. |           |              |          |            |
| 1947                                                                                                                                                                                                                                                                                                                                                      | 473       | 473 Series   | \$165.00 |            |
| 2 cylinders with Bore and Stroke 2" x 1-3/4"; Piston Displacement 11.00 cu. in.; HP 7.5 @ 4200 RPM; Prop. dia. 8" with 7-1/2" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 51 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 1-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.   |           |              |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                      | 480       | 480 Series   | \$107.00 |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 40 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Rope Start.             |           |              |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                      | 481       | 481 Series   | \$117.00 |            |
| 1 cylinder with Bore and Stroke 2-1/8" x 1-3/4"; Piston Displacement 6.21 cu. in.; HP 3.6 @ 4000 RPM; Prop. dia. 7-1/2" with 6" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 43 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 2-1/4 hrs. full throttle; water cooled; Automatic Recoil Start. |           |              |          |            |
| 1948                                                                                                                                                                                                                                                                                                                                                      | 483       | 483 Series   | \$165.00 |            |
| 2 cylinders with Bore and Stroke 2" x 1-3/4"; Piston Displacement 11.00 cu. in.; HP 7.5 @ 4200 RPM; Prop. dia. 8" with 7-1/2" pitch; 2 blades; .020" Breaker point gap; Champion H10 Plug with .032" gap; Shear pin; weight 51 lbs.; 1/2 pt. of Texaco oil No. 30 per gal.; 8 pt. tank; 1-1/4 hrs. full throttle; water cooled; Automatic Recoil Start.   |           |              |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                      | 480       | 480 Series   | \$119.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6. 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8"; Brass; Wt. 40 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Rope Starter.                                         |           |              |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                      | 481       | 481 Series   | \$129.50 |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6. 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8"; Brass; Wt. 43 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water cooled; Recoil Starter.                                       |           |              |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                      | 483       | 483 Series   | \$179.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.00; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2". 2 Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8". Brass; Wt. 51 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Recoil Starter.                                         |           |              |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                      | 491 Shift | 491 Series   | \$149.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6". 2 Slip Clutch Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8". Stainless Steel; Wt. 45 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Recoil Starter.                  |           |              |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                      | 497 Shift | 497 Series   | \$179.50 |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2". 2 Slip Clutch Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8". Stainless Steel; Wt. 46 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water Cooled; Recoil Starter.              |           |              |          |            |
| 1949                                                                                                                                                                                                                                                                                                                                                      | 493 Shift | 493 Series   | \$199.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2"; 2 Slip Clutch Bl; C. P. Gap .020; S. P. Champion H-10; S. P. Gap .032; Shear Pin 5/32" x 5/8"; Stainless Steel; Wt. 53 lbs; Oil 1/2 pt. Texaco SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water Cooled; Recoil Starter.                      |           |              |          |            |



## SCOTT-ATWATER (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                    | Model          | Serial No. | FOB                           | Cash Value |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|-------------------------------|------------|
| 1950                                                                                                                                                                                                                                                                                                                                                    | 500            |            | \$ 99.50                      |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .032; Shear pin 5/32" x 1/8" Brass; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Recoil Starter.                                                              |                |            |                               |            |
| 1950                                                                                                                                                                                                                                                                                                                                                    | 501            |            | \$149.50<br>154.50 West Coast |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion H-10, Gap .032; Shear pin 5/32" x 1/8" stainless steel; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water Cooled; Recoil Starter.                                                      |                |            |                               |            |
| 1950                                                                                                                                                                                                                                                                                                                                                    | 507            |            | \$179.50<br>184.50 West Coast |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 7, 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear pin 5/32" x 1/8" stainless steel; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water cooled; Recoil Starter.                                                                      |                |            |                               |            |
| 1950                                                                                                                                                                                                                                                                                                                                                    | 503            |            | \$199.50                      |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Gap .032; Shear pin 5/32" x 1/8" stainless steel; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water cooled; Recoil Starter.                                                                       |                |            |                               |            |
| 1950                                                                                                                                                                                                                                                                                                                                                    | 509            |            | \$349.50<br>355.50 West Coast |            |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP-to be certified; Prop. dia. & pitch 9" x 9-1/2", 3 Bl; C. P. Gap .020; S. P. Gap .035; Shear pin 7/32" x 1/8" brass; Oil 1/2 pt. SAE-30 per gal; Fuel cap 40 pts.*; Run. time full tank 2-1/2 hrs; Water cooled; Recoil Starter.<br>* Separate fuel tank                                              |                |            |                               |            |
| 1951                                                                                                                                                                                                                                                                                                                                                    | 1-12 Non-Shift |            | \$129.50                      |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8" Brass; Wt. 43 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. .8 pts; Run. time full tank 2-1/4 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.                           |                |            |                               |            |
| 1951                                                                                                                                                                                                                                                                                                                                                    | 1-14 Shift     |            | \$169.50                      |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 4.0 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champ H10J, Gap .035; Shear pin 5/32" x 5/8" Stainless Steel; Wt. 46 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.                   |                |            |                               |            |
| 1951                                                                                                                                                                                                                                                                                                                                                    | 1-16 Shift     |            | \$199.50                      |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8" stainless steel; Wt. 47 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.                |                |            |                               |            |
| 1951                                                                                                                                                                                                                                                                                                                                                    | 1-20 Shift     |            | \$219.50                      |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champ H105, Gap .035; Shear pin 5/32" x 5/8", stainless steel; Wt. 56 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.                      |                |            |                               |            |
| 1951                                                                                                                                                                                                                                                                                                                                                    | 1-25 Shift     |            | \$279.50                      |            |
| 2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch 8-1/8" x 10", 2 Bl; C. P. Gap .020; S. P. Champ. HT10J, Gap .035; Shear pin 5/32" x 5/8", stainless steel; Wt. 64 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Gear lub. Universal Gear lub. SAE-90 (EP). Recoil starter.  |                |            |                               |            |
| 1951                                                                                                                                                                                                                                                                                                                                                    | 1-30 Shift     |            | \$359.50                      |            |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9-1/2", 3 Bl; C. P. Gap .020; S. P. Champ. 5MJ, Gap .035; Shear pin 7/32" x 5/8", brass; Wt. 88 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 gals., separate tank; Run. time full tank 2-3/4 hrs; Gear lub. Universal Gear lub. SAE-90 (EP). Recoil starter.   |                |            |                               |            |
| 1952                                                                                                                                                                                                                                                                                                                                                    | 1-12 Non-Shift | 30251001   | \$109.50                      |            |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6", 2 Bl; C. P. Gap .020; S. P. Champion. H10J, Gap .035; Shear pin 5/32" x 5/8" Brass; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2-1/4 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.                         |                |            |                               |            |
| 1952                                                                                                                                                                                                                                                                                                                                                    | 1-16 Shift     | 37251001   | \$199.50                      |            |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 7" 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8" Brass; Wt. 50 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.                               |                |            |                               |            |
| 1952                                                                                                                                                                                                                                                                                                                                                    | 1-20 Shift     | 33251001   | \$219.50                      |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .020; S. P. Champ. H10J, Gap .035; Shear pin 5/32" x 5/8", Brass; Wt. 59 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1-1/4 hrs; Water cooled; Gear lub. Otbd. grease; Recoil starter.                               |                |            |                               |            |
| 1952                                                                                                                                                                                                                                                                                                                                                    | 1-25 Shift     | 38251001   | \$279.50                      |            |
| 2 Cyl; B&S 2-1/8" x 2"; P. Disp. 14.19; HP 10 @ 4200 RPM; Prop. dia. & pitch 8-1/8" x 10", 2 Bl; C. P. Gap .020; S. P. Champ. HT10J, Gap .035; Shear pin 5/32" x 5/8", Brass; Wt. 66 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 3/4 hrs; Water cooled; Gear lub. Universal Gear lub. SAE-90 (EP). Recoil starter.            |                |            |                               |            |
| 1952                                                                                                                                                                                                                                                                                                                                                    | 1-30 Shift     | 39251001   | \$359.50                      |            |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9-1/2", 3 Bl; C. P. Gap .020; S. P. Champ. 5MJ, Gap .035; Shear pin 7/32" x 29/32", brass; Wt. 88 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 gals., separate tank; Run. time full tank 2-3/4 hrs; Gear lub. Universal Gear lub. SAE-90 (EP). Recoil starter. |                |            |                               |            |

Sa 5204  
(Replace Sa 5005)



## SCOTT-ATWATER (Continued)

| Year                                                                                                                                                                                                                                                                                                                                     | Model                | Serial No. | FOB | Cash Value      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------|-----|-----------------|
| 1953                                                                                                                                                                                                                                                                                                                                     | 3.6 Non-Shift        | 30351001   |     | <b>\$109.50</b> |
| 1 Cyl; B&S 2-1/4" x 1-3/4"; P. Disp. 6.21; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6" RH; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 3/8" Brass; Wt. 36 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts., run. time 2 1/4 hrs; Gear lub. Outbd. Grease; Water cooled; Recoil starter.                   |                      |            |     |                 |
| 1953                                                                                                                                                                                                                                                                                                                                     | 5.0 Shift            | 37351001   |     | <b>\$199.50</b> |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 7" RH; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 3/8" Brass; Wt. 46 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts., run. time 2 hrs.; Water cooled; Gear lub. Outbd. grease; Recoil starter.                    |                      |            |     |                 |
| 1953                                                                                                                                                                                                                                                                                                                                     | 7.5 Gold Pennant     | 33351001   |     | <b>\$229.50</b> |
| 2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. Dia. & pitch 8" x 7 1/4" RH; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 3/8" Brass; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 gal; run. time 7 1/2 hrs.; Water cooled; Outbd. Grease; Recoil starter.                                 |                      |            |     |                 |
| 1953                                                                                                                                                                                                                                                                                                                                     | 10.5 Gold Pennant    | 38351001   |     | <b>\$279.50</b> |
| 2 Cyl; B&S 2-11/16" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/2" x 10" RH; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 3/8" Brass; Wt. 59 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 gal., run. time 4 1/2 hrs; Water cooled; Gear lub., Univ. Gear Lub. SAE-90 (EP); Recoil starter.     |                      |            |     |                 |
| 1953                                                                                                                                                                                                                                                                                                                                     | 16.0 Shift           | 39351001   |     | <b>\$359.50</b> |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9 1/4" RH; 3 BL; C. P. Gap .020; S. P. Champ. 5MJ Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 88 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 gal; run. time 2 3/4 hrs; Water cooled; Gear lub., Univ. Gear lub. SAE-90 (EP); Recoil starter. |                      |            |     |                 |
| 1954                                                                                                                                                                                                                                                                                                                                     | 3 HP Super Single    | 3045-1001  |     | <b>\$109.50</b> |
| 1 Cyl; B&S 2-1/4" x 1-3/4"; P. Disp. 6.23; HP 3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 3/8" brass; Wt. 36 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 8 pts; Run. time full tank 2 1/4 hrs; Water cooled lub. outbd grease; Recoil starter.                     |                      |            |     |                 |
| 1954                                                                                                                                                                                                                                                                                                                                     | 5 HP Bail-a-matic    | 3745-1001  |     | <b>\$209.50</b> |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 3/8", brass; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 7 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.         |                      |            |     |                 |
| 1954                                                                                                                                                                                                                                                                                                                                     | 7.5 HP Bail-a-matic  | 3345-1001  |     | <b>\$229.50</b> |
| 2 Cyl; B&S 2" x 1 3/4"; P. Disp. 11.00; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7"; 2 BL; C. P. Gap .020; S. P. Champ H10J Gap .035; Shear Pin 5/32" x 3/8" brass; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 48 pts; Run. time full tank 7 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.                     |                      |            |     |                 |
| 1954                                                                                                                                                                                                                                                                                                                                     | 10 HP Bail-a-matic   | 3845-1001  |     | <b>\$289.50</b> |
| 2 Cyl; B&S 2-11/16" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/2" x 9"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 3/8" brass; Wt. 58 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.          |                      |            |     |                 |
| 1954                                                                                                                                                                                                                                                                                                                                     | 16 HP Bail-a-matic   | 3945-1001  |     | <b>\$339.50</b> |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 BL; C. P. Gap .020; S. P. Champ. 5MJ Gap .035; Shear Pin 7/32" x 29/32" brass; Wt. 79 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 48 pts; Run. time full tank 2 3/4 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.         |                      |            |     |                 |
| 1955                                                                                                                                                                                                                                                                                                                                     | 3.6 HP Super Single  | 3055-1001  |     | <b>\$114.50</b> |
| 1 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 36 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 8 pts; Run. time full tank 2-1/4 hr; Water cooled; Gear lub. Outboard Grease; Recoil starter.           |                      |            |     |                 |
| 1955                                                                                                                                                                                                                                                                                                                                     | 5.0 HP Bail-A-Matic  | 3755-1001  |     | <b>\$209.50</b> |
| 2 Cyl; B&S 1-11/16" x 1-43/64"; P. Disp. 7.48; HP 5.0 @ 4200 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 28 pts; Run. time full tank 7 hr; Water cooled; Gear lub. Universal SAE 90; Recoil starter.         |                      |            |     |                 |
| 1955                                                                                                                                                                                                                                                                                                                                     | 7.5 HP Bail-A-Matic  | 3355-1001  |     | <b>\$235.50</b> |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 7 hr; Water cooled; Gear lub. Universal SAE 90; Recoil starter.                     |                      |            |     |                 |
| 1955                                                                                                                                                                                                                                                                                                                                     | 10.0 HP Bail-A-Matic | 3855-1001  |     | <b>\$295.50</b> |
| 2 Cyl; B&S 2-11/16" x 2"; P. Disp. 14.82; HP 10.0 @ 4200 RPM; Prop. dia. & pitch 8-1/8" x 9-1/2"; 2 BL; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 58 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.    |                      |            |     |                 |
| 1955                                                                                                                                                                                                                                                                                                                                     | 16.0 HP Bail-A-Matic | 3955-1001  |     | <b>\$345.50</b> |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16.0 @ 4200 RPM; Prop. dia. & pitch 9" x 9"; 2 BL; C. P. Gap .020; S. P. Champ 5MJ Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 79 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 2 3/4 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.       |                      |            |     |                 |
| 1955                                                                                                                                                                                                                                                                                                                                     | 30.0 HP Bail-A-Matic | 3655-1001  |     | <b>\$459.50</b> |
| 2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30.0 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 BL; C. P. Gap .020; S. P. Champ H10J Gap .035; Shear Pin 1/4" x 1-7/64" Brass; Wt. 115 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 48 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Universal SAE 90; Recoil starter.      |                      |            |     |                 |
| 1955                                                                                                                                                                                                                                                                                                                                     | 30.0 HP Bail-A-Matic | 3655-1001  |     | <b>\$549.50</b> |
| 2 Cyl; B&S 3-1/16" x 2 3/4"; P. Disp. 40.51; HP 30.0 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 BL; C. P. Gap .020 S. P. Champ H10J Gap .035; Shear Pin 1/4" x 1-7/64"; Wt. 130 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 48 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Universal SAE 90; Electric starter.           |                      |            |     |                 |

Sa 5506

(Replace Sa 5405)



## SCOTT-ATWATER (Continued)

| Year                                                                                                                                                                                                                                                                                                                               | Model                           | Serial No.         | FOB             | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|--------------------|-----------------|------------|
| 1956                                                                                                                                                                                                                                                                                                                               | <b>Sportster</b>                | <b>3065-1001</b>   | <b>\$114.50</b> |            |
| 1 Cyl; B&S 2 1/4" x 1 1/4"; P. Disp. 6.23; HP 3.6 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 36 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 8 pts.; Run. time full tank 2 1/4 hr.; Water cooled; Gear lub. Outboard grease; Recoil starter. |                                 |                    |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                               | <b>5 HP Ball-A-Matic</b>        | <b>3765-1001</b>   | <b>\$214.50</b> |            |
| 2 Cyl; B&S 2-11/16" x 1-43/64"; P. Disp. 7.48; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 45 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 28 pts.; Run. time full tank 5 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.           |                                 |                    |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                               | <b>7.5 HP Ball-A-Matic</b>      | <b>3365-1001</b>   | <b>\$239.50</b> |            |
| 2 Cyl; B&S 2" x 1 1/4"; P. Disp. 11.0; HP 7.5 @ 4200 RPM; Prop. dia. & pitch 8" x 7"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 49 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 6 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.                     |                                 |                    |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                               | <b>10 HP Ball-A-Matic</b>       | <b>3865-1001</b>   | <b>\$314.50</b> |            |
| 2 Cyl; B&S 2-11/64" x 2"; P. Disp. 14.82; HP 10 @ 4200 RPM; Prop. dia. & pitch 8 1/4" x 9 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. H10J Gap .035; Shear Pin 5/32" x 7/8" Brass; Wt. 58 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 5 1/4 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.       |                                 |                    |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                               | <b>16 HP Ball-A-Matic</b>       | <b>3965-1001</b>   | <b>\$357.50</b> |            |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 10"; 2 Bl; C. P. Gap .020; S. P. Champ. 5MJ Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/4 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.        |                                 |                    |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                               | <b>16 HP Elec. Ball-A-Matic</b> | <b>3965-3-1001</b> | <b>\$445.50</b> |            |
| 2 Cyl; B&S 2-11/32" x 2-5/16"; P. Disp. 19.95; HP 16 @ 4200 RPM; Prop. dia. & pitch 9" x 10"; 2 Bl; C. P. Gap .020; S. P. Champ. 5MJ Gap .035; Shear Pin 7/32" x 29/32" Brass; Wt. 84 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 1/4 hr.; Water cooled; Gear lub. SAE 90; Electric starter.      |                                 |                    |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                               | <b>33HP Ball-A-Matic</b>        | <b>3665-1001</b>   | <b>\$469.50</b> |            |
| 2 Cyl; B&S 3 3/4" x 2 3/4"; P. Disp. 42.18; HP 33 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Shear Pin 1/4" x 1-7/64 Brass; Wt. 115 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. SAE 90; Recoil starter.          |                                 |                    |                 |            |
| 1956                                                                                                                                                                                                                                                                                                                               | <b>33 HP Elec. Ball-A-Matic</b> | <b>3665-3-1001</b> | <b>\$559.50</b> |            |
| 2 Cyl; B&S 3 3/4" x 2 3/4"; P. Disp. 42.18; HP 33 @ 4200 RPM; Prop. dia. & pitch 10" x 14"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Shear Pin 1/4" x 1-7/64 Brass; Wt. 130 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 1/2 hr.; Water cooled; Gear lub. SAE 90; Electric starter.        |                                 |                    |                 |            |



**SEA-BEE**  
**Goodyear Tire and Rubber Co.**  
**Akron, Ohio**

| Year                                                                                                                                                                                                                                                                                                                         | Model          | Serial No. | FOB                          | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|------------------------------|------------|
| 1946                                                                                                                                                                                                                                                                                                                         | 135            |            | \$ 82.50 List                |            |
| 1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 37 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.                               |                |            |                              |            |
| 1946                                                                                                                                                                                                                                                                                                                         | 256A           |            | \$116.50 List                |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 46 lbs; Oil 1/2 pts. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                  |                |            |                              |            |
| 1947                                                                                                                                                                                                                                                                                                                         | 1G1            |            | \$ 84.00 List                |            |
| 1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 37 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 34 min; Water Cooled; Rope Starter.                               |                |            |                              |            |
| 1947                                                                                                                                                                                                                                                                                                                         | 2G2            |            | \$120.95 List                |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 46 lbs; Oil 1/2 pts. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                  |                |            |                              |            |
| 1947                                                                                                                                                                                                                                                                                                                         | 1G4            |            | \$ 89.95 List                |            |
| 1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.                               |                |            |                              |            |
| 1947                                                                                                                                                                                                                                                                                                                         | 2G3            |            | \$129.50 List                |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 48 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                   |                |            |                              |            |
| 1948                                                                                                                                                                                                                                                                                                                         | 1G5            |            | \$ 59.75 List                |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 7/8" Alum; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min; Water Cooled; Rope Starter.                                     |                |            |                              |            |
| 1948                                                                                                                                                                                                                                                                                                                         | 1G6            |            | \$ 89.95 List                |            |
| 1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 38 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.                     |                |            |                              |            |
| 1948                                                                                                                                                                                                                                                                                                                         | 2G7            |            | \$129.50 List                |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter. |                |            |                              |            |
| 1948                                                                                                                                                                                                                                                                                                                         | 2G8            |            | \$199.95 List                |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 7/8" stainless steel; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                     |                |            |                              |            |
| 1949                                                                                                                                                                                                                                                                                                                         | 025-3562 (1G5) |            | \$ 64.50 East<br>66.50 West  |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 21 lbs.; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.               |                |            |                              |            |
| 1949                                                                                                                                                                                                                                                                                                                         | 3563 (1G6)     |            | \$ 98.50 East<br>100.50 West |            |
| 1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6", 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 38 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.                      |                |            |                              |            |
| 1949                                                                                                                                                                                                                                                                                                                         | 3564 (2G7)     |            | \$137.50 East<br>139.50 West |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr.; Water Cooled; Automatic Rewind Starter.            |                |            |                              |            |
| 1949                                                                                                                                                                                                                                                                                                                         | 3565 (2G8)     |            | \$215.00 East<br>217.50 West |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear pin .210" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                    |                |            |                              |            |



## SEA-BEE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                           | Model          | Serial No. | FOB                          | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|------------------------------|------------|
| 1950                                                                                                                                                                                                                                                                                                                                           | 025-3562 (1G5) |            | \$ 49.50 East<br>51.50 West  |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 1/4" x 1/2", stainless steel; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.                           |                |            |                              |            |
| 1950                                                                                                                                                                                                                                                                                                                                           | 025-3566 (1G9) |            | \$ 84.50 East<br>86.50 West  |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J7J; Shear Pin 1/4" x 1/2", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 30 min.; Water Cooled; Rope Starter.                                       |                |            |                              |            |
| 1950                                                                                                                                                                                                                                                                                                                                           | 3564 (2G7)     |            | \$124.50 East<br>126.50 West |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                               |                |            |                              |            |
| 1950                                                                                                                                                                                                                                                                                                                                           | 3565 (2G8)     |            | \$198.50 East<br>201.00 West |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. pitch 9-1/4" varying; 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin .210" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                                |                |            |                              |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | 3D10G          |            | \$117.50                     |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.                      |                |            |                              |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | 5S10G          |            | \$154.50                     |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 3/16" x 15/16", alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.                               |                |            |                              |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | 5D10G          |            | \$169.50                     |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.                         |                |            |                              |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | 12S10G         |            | \$236.50                     |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin .210" x 1-3/16", alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter. |                |            |                              |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | 12D10G         |            | \$268.50                     |            |
| 2 Cyl; B&S 2-3/8" x 2-1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE-90 Hypoid oil; Automatic rewind starter.              |                |            |                              |            |
| 1952                                                                                                                                                                                                                                                                                                                                           | 025-3567       |            | \$117.50                     |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 1/4" x 1/2", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.                      |                |            |                              |            |
| 1952                                                                                                                                                                                                                                                                                                                                           | 025-3569       |            | \$169.50                     |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.                         |                |            |                              |            |
| 1952                                                                                                                                                                                                                                                                                                                                           | 025-3571       |            | \$268.50                     |            |
| 2 Cyl; B&S 2-3/8" x 2-1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE-90 Hypoid oil; Automatic rewind starter.              |                |            |                              |            |



## SEA-BEE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                    | Model        | Serial No. | FOB             | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------|-----------------|------------|
| 1953                                                                                                                                                                                                                                                                                                                                    | 3D10G        | Deluxe     | \$117.50        |            |
| 1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025 Shear Pin 1/4" x 7/8" stainless; Wt. 29 lbs; Oil 1/2 pt. SAE 30 per gal; Fuel cap. 4 pts., Run. time full tank 1 1/2 hrs; Water cooled; automatic rewind starter.                     |              |            |                 |            |
| 1953                                                                                                                                                                                                                                                                                                                                    | 5S10G        | Standard   | 154.50          |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin 3/16" x 15/16" Wt. 45 lbs; Oil 1/2 pt. SAE 30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled, automatic rewind starter.                                   |              |            |                 |            |
| 1953                                                                                                                                                                                                                                                                                                                                    | 5D10G        | Delux      | \$169.50        |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin none; Wt. 46 1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled, Gear Lub. SAE 90 Hypoid oil; Automatic rewind starter.           |              |            |                 |            |
| 1953                                                                                                                                                                                                                                                                                                                                    | 12S10G       | Standard   | \$234.95        |            |
| 2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 2 Bl; C. P. Cap .030; S. P. Champion J6J, Gap .025; Shear pin .210" x 1-3/16"; Wt. 66 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; water cooled; automatic rewind starter.                                 |              |            |                 |            |
| 1953                                                                                                                                                                                                                                                                                                                                    | 12D10G       | Deluxe     | \$258.50        |            |
| 2 Cyl; B&S 2 3/8" x 2 1/2"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .025; Shear pin Spec; Wt. 64 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 12 pts; Run. time full tank 3/4 hr; water cooled; Gear Lub. SAE 90 Hypoid oil; automatic rewind starter.           |              |            |                 |            |
| 1954                                                                                                                                                                                                                                                                                                                                    | 3D11G        |            | \$121.95 Zone 1 |            |
| 1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.35; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 7/8"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. lower unit lub. grease; Automatic rewind starter.                     |              |            |                 |            |
| 1954                                                                                                                                                                                                                                                                                                                                    | 5S10G        |            | \$159.95 Zone 1 |            |
| 2Cyl; B & S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. gear grease; Automatic rewind starter.                                  |              |            |                 |            |
| 1954                                                                                                                                                                                                                                                                                                                                    | 5D10G Deluxe |            | \$185.95 Zone 1 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champ. J6J Gap .030; Wt. 46 1/2 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 6 pts; Run. time full tank 1 hr; Water cooled; Gear lub. hypoid oil; Automatic rewind starter.                                    |              |            |                 |            |
| 1954                                                                                                                                                                                                                                                                                                                                    | 12D11G       |            | \$238.95 Zone 1 |            |
| 2 Cyl; B&S 2 1/8" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020 S. P. Champ. J6J Gap .030; Wt. 66 lbs.; Oil 1/2 pt. SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. hypoid oil; Automatic rewind starter.                                           |              |            |                 |            |
| 1955                                                                                                                                                                                                                                                                                                                                    | 225-3574     |            | \$121.95        |            |
| 1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 7/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hr; Water cooled; Gear lub Gear Grease; Automatic Rewind starter.                  |              |            |                 |            |
| 1955                                                                                                                                                                                                                                                                                                                                    | 225-3602     |            | \$161.95        |            |
| 2 Cyl; B&S 7 1/2" x 7 1/4"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.                |              |            |                 |            |
| 1955                                                                                                                                                                                                                                                                                                                                    | 225-3603     |            | \$188.95        |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl. C. P. Gap .020; S. P. Gap .030; Shear Pin None Used; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter                         |              |            |                 |            |
| 1955                                                                                                                                                                                                                                                                                                                                    | 225-3572     |            | \$285.85        |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin Special Type; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.                           |              |            |                 |            |
| 1955                                                                                                                                                                                                                                                                                                                                    | 225-3604     |            | \$410.00        |            |
| 2 Cyl; B&S 2 3/4" x 2 3/4"; P Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48* pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.          |              |            |                 |            |
| * Bosun Fuel System                                                                                                                                                                                                                                                                                                                     |              |            |                 |            |
| 1955                                                                                                                                                                                                                                                                                                                                    | 225-3605     |            | \$505.00        |            |
| 2 Cyl; B&S 2 3/4" x 2 3/4"; P Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt 125 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48* pts; Run. time full tank 2 hr; Water cooled; Gear lub. Hypoid Oil; Electric & Automatic Rewind starter. |              |            |                 |            |
| * Bosun Fuel System                                                                                                                                                                                                                                                                                                                     |              |            |                 |            |



## SEA BEE (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                 | Model    | Serial No. | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|------------|----------|------------|
| 1956                                                                                                                                                                                                                                                                                                                                                 | 225-3606 | 3D13G      | \$126.95 |            |
| 1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/8" x 6 7/8"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/8" x 1/8" s/s; Wt. 30 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 4 pts.; Run. time full tank 1 1/4 hr.; Water cooled; Gear lub. Outboard Gear Grease; Automatic Rewind starter.        |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                 | 225-3607 | 5512G      | \$163.95 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/4" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 3/16" x 15/16" Alum.; Wt. 45 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 6 1/2 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Outboard Gear Grease; Automatic Rewind starter. |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                 | 225-3608 | 5D12G      | \$204.95 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin None; Wt. 52 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 7 1/4 pts.; Run. time full tank 1 hr.; water cooled; Gear lub. Hypoid; Automatic Rewind starter.                                   |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                 | 225-3609 | 12D13G     | \$339.95 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin Special Type; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. Hypoid; Automatic Rewind starter.                                 |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                 | 225-3610 | 22D11G     | \$430.00 |            |
| 2 Cyl; B&S 2 7/8" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/4" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/4" Naval Brass; Wt. 119 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Automatic Rewind starter.           |          |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                                 | 225-3611 | 22DE11G    | \$520.00 |            |
| 2 Cyl; B&S 2 7/8" x 2 3/4"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/4" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J, A3X Gap .030; Shear Pin 1/4" x 1 1/4" Naval Brass; Wt. 129 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48 pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Electric starter.                   |          |            |          |            |



**SEA FLYER**  
**B. F. Goodrich Co.**  
**Akron, Ohio**

| Year                                                                                                                                                                                                                                                                                                                                   | Model      | Serial No. | FOB       | Cash Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------------|-----------|------------|
| 1952                                                                                                                                                                                                                                                                                                                                   | 45-050     |            | \$117.50  |            |
| 1 Cyl; P&S 2-1/2" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear Pin 1/4" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.              |            |            |           |            |
| 1952                                                                                                                                                                                                                                                                                                                                   | 45-060     |            | \$161.50  |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/4"; 2 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 6-1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.     |            |            |           |            |
| 1952                                                                                                                                                                                                                                                                                                                                   | 45-070     |            | \$258.00  |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J6J, Gap .020; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.      |            |            |           |            |
| 1953                                                                                                                                                                                                                                                                                                                                   | Sea Flyer  | G-2L       | \$119.50* |            |
| 1 Cyl; B&S 2-1/16" x 1 3/8"; P. Disp. 5.84; HP 3.5 @ 4200 RPM; Prop dia. & pitch 8" x 5 1/4"; 2 Bl; C. P. Gap .018; S. P. Champ. 7; Gap .030; Shear pin 3/16" x 1-1/16", alum; Wt. 42 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2 1/2 hrs; Water cooled; Gear lub. OM; Automatic rewind starter.          |            |            |           |            |
| 1953                                                                                                                                                                                                                                                                                                                                   | Sea Flyer  | G-3LGS     | \$179.95* |            |
| 2 Cyl; B&S 1 7/8" x 1 3/8"; P. Disp. 9.66; HP 5 @ 4200 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J; Gap .035; Shear pin 3/16" x 1-1/16", Brass; Wt. 46 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2 1/2 hrs; Water cooled; Gear lub. 1** or 2**; Automatic rewind starter. |            |            |           |            |
| 1953                                                                                                                                                                                                                                                                                                                                   | Sea Flyer  | G-4L-GS    | \$225.00* |            |
| 2 Cyl; B&S 2 1/8" x 1 3/8"; P. Disp. 12.41; HP 8.5 @ 4200 RPM; Prop. dia. & pitch 8" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. 7; Gap .030; Shear pin 3/16" x 1-1/16" Brass; Wt. 58 lbs; Oil 3/4 pt; SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1 or 2; Automatic rewind starter.     |            |            |           |            |
| 1954                                                                                                                                                                                                                                                                                                                                   | G-3LL-G.S. | 45-O87     | \$179.95  |            |
| 2 Cyl; B&S 1 7/8" x 1 3/8"; P. Disp. 9.66; HP 5.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J; Shear Pin 3/16" x 1-1/16"; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.                 |            |            |           |            |
| 1954                                                                                                                                                                                                                                                                                                                                   | G-3LL      | 45-O89     | \$159.50  |            |
| 2 Cyl; B&S 1 7/8" x 1 3/8"; P. Disp. 9.66; HP 5.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J; Shear Pin 3/16" x 1-1/16", alum; Wt. 44 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.           |            |            |           |            |
| 1954                                                                                                                                                                                                                                                                                                                                   | G-4LL-G.S. | 45-O91     | \$219.95  |            |
| 2 Cyl; B&S 1 7/8" x 1 3/8"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J; Shear Pin 3/16" x 1-1/16"; Wt. 47 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.              |            |            |           |            |
| 1954                                                                                                                                                                                                                                                                                                                                   | G-6LL-G.S. | 45-O92     | \$335.00  |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 15 @ 4300 RPM; Prop. dia. & pitch 8" x 11"; 3 Bl; C. P. Gap .018; S. P. Champ. J8J; Shear Pin 3/16" x 1-1/16", brass; Wt. 54 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4 hrs; Water cooled; Gear lub. 1* or 2*; Automatic rewind starter.                |            |            |           |            |

No Motors Being Sold in 1955 or 1956

\* Slightly higher in West  
 \*\* (1) Champ. Lower Unit Oil (2) EP-90- oil or Equivalent



**SEA KING**  
 Montgomery Ward and Company  
 West Chicago Avenue, Chicago, Illinois

| Year                                                                                                                                                                                                                                                                                                                                                         | Model           | Serial No.*    | FOB        | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|------------|------------|
| 1936-41                                                                                                                                                                                                                                                                                                                                                      | Super Twin      | 8811           |            |            |
| 2 Cyl; B&S 2-1/4" x 1-7/8"; P. Disp. 14.9; HP 8.5 @ 4000 RPM; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/6" x 15/16", Alum; Wt. 78 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 9 pts; Run. time full tank 45 min. to 1 hr; Water Cooled; Rope Starter.                                                                             |                 |                |            |            |
| 1938-46                                                                                                                                                                                                                                                                                                                                                      | Large Twin      | 8810-8816-8817 |            |            |
| 2 Cyl; B&S 2" x 1-5/8"; P. Disp. 10.2; HP 5 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4". 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/6" x 15/16", Alum; Wt. 78 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs. to 2 hrs. 30 min.; Water Cooled; Recoil Starter.                                    |                 |                |            |            |
| 1939-47                                                                                                                                                                                                                                                                                                                                                      | Midget Single   | 8809-8812-8822 |            |            |
| 1 Cyl; B&S 1-3/8" x 1-3/8"; P. Disp. 2.0; HP 1 @ 3750 RPM; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 5/32" x 3/4", Alum; Wt. 13 lbs; Oil 1/3 pt. SAE-30 per gal; Fuel cap. 1-3/4 pts; Run. time full tank 1 hr. 30 min. to 2 hrs; Water Cooled; Rope Starter.                                                                      |                 |                |            |            |
| 1940-41                                                                                                                                                                                                                                                                                                                                                      | Large Single    | 8821           |            |            |
| 1 Cyl; B&S 2" x 1-3/4"; P. Disp. 5.5; HP 2.9 @ 4000 RPM; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/6" x 31/32", Alum; Wt. 28 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 5 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Rope Starter.                                                                        |                 |                |            |            |
| 1940-42                                                                                                                                                                                                                                                                                                                                                      | Giant Twin      | 8818           |            |            |
| 2 Cyl; B&S 2-1/2" x 2-1/2"; P. Disp. 25.0; HP 15.2 @ 4000 RPM; S. P. Champion 6M or J-9, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 88 lbs; Oil 1-1/2 pt. SAE-30 per gal; Fuel cap. 16 pts; Run. time full tank 1 hr. 30 min. to 2 hrs; Water Cooled; Rope Starter.                                                                                       |                 |                |            |            |
| 1941-47                                                                                                                                                                                                                                                                                                                                                      | Large Single    | 8814-9006      |            |            |
| 1 Cyl; B&S 1-5/16" x 1-1/2"; P. Disp. 5.49; HP 3 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/16" x 15/16", Alum; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs. to 2 hrs. 30 min.; Water Cooled; Rope Starter.                                  |                 |                |            |            |
| 1941-47                                                                                                                                                                                                                                                                                                                                                      | Large Twin      | 8826-79012     |            |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/6" x 15/16", Alum; Wt. 48 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 1 hr. to 1 hr. 30 min.; Water Cooled; Recoil Starter.                              |                 |                |            |            |
| 1946-48                                                                                                                                                                                                                                                                                                                                                      | Light Twin      | 9006           |            |            |
| 2 Cyl; B&S 1-3/4" x 1-3/8"; P. Disp. 6.6; HP 3.3 @ 3500 RPM; Prop. dia. & pitch 7-1/2" x 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion 6M or J-9, Gap .025; Shear Pin 1-3/6" x 15/16", Alum; Wt. 34 lbs; Oil 1/3 pt. SAE-30 per gal; Fuel cap. 8 pts; Run. time full tank 2 hrs. 30 min. to 3 hrs; Water Cooled; Recoil Starter.                              |                 |                |            |            |
| 1948                                                                                                                                                                                                                                                                                                                                                         | Standard Single | 9003           |            |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. 6-1/2"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 1/8" x 7/8", Alum; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs. Water Cooled; Rope Starter.                                                                           |                 |                |            |            |
| 1948                                                                                                                                                                                                                                                                                                                                                         | Standard Single | 9007           |            |            |
| 1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7" x 6"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 38 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.                                                     |                 |                |            |            |
| 1948                                                                                                                                                                                                                                                                                                                                                         | Deluxe Twin     | 9014           |            |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                                          |                 |                |            |            |
| 1948                                                                                                                                                                                                                                                                                                                                                         | Deluxe Twin     | 9017           |            |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. 9-1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J-9J, Gap .025; Shear Pin 13/64" x 1-3/16", Alum; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                                                          |                 |                |            |            |
| 1949                                                                                                                                                                                                                                                                                                                                                         | Standard Single | 9003           | \$ 62.50** |            |
| 1 Cyl; B&S 1-5/8" x 1-1/2"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x varying pitch, 2 Bl; C. P. Gap .020; S. P. Champion J9J, J-10 Com J, or Riverside 4B; S. P. Gap .025; Shear Pin 1/8" x 7/8", Stainless Steel; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 2 hrs; Water Cooled; Rope Starter.      |                 |                |            |            |
| 1949                                                                                                                                                                                                                                                                                                                                                         | Standard Single | 9007           | \$ 86.50** |            |
| 1 Cyl; B&S 2-1/8" x 1-35/64"; P. Disp. 5.48; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 7". 2 Bl; C. P. Gap .020; S. P. Champion J9J, J-10 Com J, or Riverside 4B; S. P. Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 38 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-3/4 hrs; Water Cooled; Rope Starter.                            |                 |                |            |            |
| 1949                                                                                                                                                                                                                                                                                                                                                         | Standard Single | 9009           | \$ 83.50** |            |
| 1 Cyl; P&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6-1/2" x varying pitch, 2 Bl; C. P. Gap .020; S. P. Champion J9J, J-10 Com J, or Riverside 4B; S. P. Gap .025; Shear Pin 1/8" x 7/8", Stainless Steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Rope Starter.  |                 |                |            |            |
| 1949                                                                                                                                                                                                                                                                                                                                                         | Deluxe Twin     | 9014           | \$126.50*  |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x varying pitch, 2 Bl; C. P. Gap .020; S. P. Champion J9J, J-10 Com J, or Riverside 4B; S. P. Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter. |                 |                |            |            |
| 1949                                                                                                                                                                                                                                                                                                                                                         | Deluxe Twin     | 9017           | \$199.50** |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4" x varying pitch, 2 Bl; C. P. Gap .020; S. P. Champion J9J, J-10 Com J, or Riverside 4B; S. P. Gap .025; Shear Pin 13/64" x 1-3/16", Alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter. |                 |                |            |            |

\* Montgomery Ward Model Numbers—Not Serial Numbers.

\*\* List Price FOB Chicago Mail Order House.



## SEA KING (Continued)

| Year                                                                                                                                                                                                                                                                                                                                           | Model           | Serial No.* | FOB**      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-------------|------------|------------|
| 1950                                                                                                                                                                                                                                                                                                                                           | Standard Single | 9003        | \$ 49.50** |            |
| 1 Cyl; B&S 1-5/8" x 1-1/4"; P. Disp. 3.11; HP 1.5 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin 1/8" x 7/8", stainless steel; Wt. 21 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 hr. 45 min.; Water Cooled; Rope Starter.                           |                 |             |            |            |
| 1950                                                                                                                                                                                                                                                                                                                                           | Standard Single | 9009        | \$ 77.50** |            |
| 1 Cyl; B&S 2-3/8" x 1-1/4"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J7J; Shear Pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal.; Fuel cap. 4 pts; Run. time full tank 1 hr. 30 min; Water Cooled; Rope Starter.                                       |                 |             |            |            |
| 1950                                                                                                                                                                                                                                                                                                                                           | Deluxe Twin     | 9014        | \$109.50** |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .020; S. P. Champion J7J Gap .025; Shear Pin 3/16" x 15/16", Alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                                |                 |             |            |            |
| 1950                                                                                                                                                                                                                                                                                                                                           | Deluxe Twin     | 9017        | \$185.50** |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94 HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying, 2 Bl; C. P. Gap .020; S. P. Champion J7J, Gap .025; Shear Pin .210" x 1-3/16" Stainless steel; Wt. 65 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 hr; Water Cooled; Automatic Rewind Starter.                     |                 |             |            |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | Standard Single | 9009        | \$ 93.50   |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. Dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 28 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Rope starter.                                  |                 |             |            |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | Deluxe Single   | 9004        | \$101.50   |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal. Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.                      |                 |             |            |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | Standard Twin   | 9014        | \$134.50   |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7-1/4", 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin 3/16" x 15/16", alum; Wt. 45 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Automatic rewind starter.                               |                 |             |            |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | Deluxe Twin     | 9015        | \$148.00   |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time tank 1 hr; Water cooled; Gear lub. SAE-90 Hypoid oil; Automatic rewind starter.                      |                 |             |            |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | Standard Twin   | 9017        | \$214.50   |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9-1/4"-varying; 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin .210" x 1-3/16", alum; Wt. 66 lbs; Oil 1 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE-30 Hypoid oil; Automatic rewind starter. |                 |             |            |            |
| 1951                                                                                                                                                                                                                                                                                                                                           | Deluxe Twin     | 9018        | \$237.00   |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.              |                 |             |            |            |
| 1952                                                                                                                                                                                                                                                                                                                                           | Deluxe Single   | 9004        | \$101.50   |            |
| 1 Cyl; B&S 2-1/8" x 1-1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6-1/2"-varying, 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin 1/8" x 7/8", stainless steel; Wt. 29 lbs; Oil 1/2 pt. SAE-30 per gal. Fuel cap. 4 pts; Run. time full tank 1-1/2 hr; Water cooled; Automatic rewind starter.                      |                 |             |            |            |
| 1952                                                                                                                                                                                                                                                                                                                                           | Deluxe Twin     | 9015        | \$148.00   |            |
| 2 Cyl; B&S 1-15/16" x 1-1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7-1/2", 2 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin, none; Wt. 46-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. SAE-90 Hypoid oil; Automatic rewind starter.                 |                 |             |            |            |
| 1952                                                                                                                                                                                                                                                                                                                                           | Deluxe Twin     | 9018        | \$237.00   |            |
| 2 Cyl; B&S 2-3/8" x 2-1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10", 3 Bl; C. P. Gap .030; S. P. Champion J7J, Gap .025; Shear pin, special; Wt. 64-1/2 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Gear lub. SAE 90 Hypoid oil; Automatic rewind starter.              |                 |             |            |            |

\* Montgomery Ward Model Numbers—Not Serial Numbers.

\*\* List Price FOB Chicago Mail Order House.



## SEA KING (Continued)

| Year                                                                                                                                                                                                                                                                                                                                                              | Model         | Serial No.* | FOB**    | Cash Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-------------|----------|------------|
| 1953                                                                                                                                                                                                                                                                                                                                                              | Deluxe Single | 9004        | \$ 98.00 |            |
| 2 Cyl; B&S 2 1/4" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 1/2" varying; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin 1/4" x 7/8", stainless; Wt. 29 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Outboard Gear Grease Lubr; Automatic Rewind starter.                   |               |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                              | Standard Twin | 9014        | \$131.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin 3/16" x 15/16", aluminum; Wt. 45 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Outboard Gear Grease Lubr; Automatic Rewind starter.                   |               |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                              | Deluxe Twin   | 9015        | \$145.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin none; Wt. 46 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; SAE-90 Hypoid oil; Automatic Rewind starter.                                               |               |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                              | Standard Twin | 9017        | \$204.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9 1/4" varying; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin .211/206, Stainless steel; Wt. 66 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 3/4 hr; Water cooled; Outboard Gear grease Lubri; Automatic Rewind Starter.               |               |             |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                              | Deluxe Twin   | 9018        | \$232.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 1/4"; P. Disp. 19.94; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 10"; 3 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin special; Wt. 64 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap 12 pts; Run. time full tank 3/4 hrs; Water cooled; SAE 90 Hypoid oil; Automatic Rewind.                                                    |               |             |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                              | Deluxe Single | 9004        | \$104.50 |            |
| 1 Cyl; B&S 2 1/4" x 1 1/2"; P. Disp. 5.32 HP 3 @ 4000 RPM; Prop. dia & pitch 6 3/8" x 6 7/8"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin 1/4" x 3/8" stainless; Wt. 29 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 4 pts; Run. time full tank 1 1/2 hrs; Water cooled; Outboard Gear Grease Lubr; Automatic Rewind starter.                     |               |             |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                              | Standard Twin | 9014        | \$129.88 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia & pitch 7 1/2" x 7 1/4"; 2 Bl. C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear Pin 3/16" x 15/16", aluminum; Wt. 45 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 hr; Water cooled; Outboard Gear Grease Lubr; Automatic Rewind starter.                    |               |             |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                              | Deluxe Twin   | 9015        | \$159.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin none; Wt. 46 1/2 lbs; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 7 pts; Run time full tank 1 hr; Water cooled; SAE-90 Hypoid oil; Automatic Rewind starter.                                                 |               |             |          |            |
| 1954                                                                                                                                                                                                                                                                                                                                                              | Deluxe Twin   | 9016        | \$249.50 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia & pitch 9" x 11"; 3 Bl.; C.P. Gap .020; S. P. Champion J6J; Gap .030; Shear pin "Special"; Wt. 66 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap. 8 pts; Run time full tank 1 hr; Water cooled; SAE-90 Hypoid Oil; Automatic rewind starter.                                                  |               |             |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                              |               | GG 9001A    | \$119.88 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.                                       |               |             |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                              |               | GG 9001B    | \$119.88 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 3/16" x 15/16" Alum; Wt. 45 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.                                       |               |             |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                              |               | GG 9004A    | \$103.50 |            |
| 1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 7/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hr; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.                                           |               |             |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                              |               | GG 9004B    | \$103.50 |            |
| 1 Cyl; B&S 2 1/8" x 1 1/2"; P. Disp. 5.32; HP 3.0 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/8" x 7/8" stain; Wt. 29 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. time full tank 1 1/2 hr; Water cooled; Gear lub. Gear Grease; Automatic Rewind starter.                                           |               |             |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                              |               | GG 9013A    | \$166.50 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5.0 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin None Used; Wt. 49 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 7 1/2 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.                                                  |               |             |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                              |               | GG 9016A    | \$242.50 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12.0 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin Special Type; Wt. 66 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 16 pts; Run. time full tank 1 hr; Water cooled; Gear lub. hypoid oil; Automatic Rewind starter.                                                     |               |             |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                              |               | GG 9019A    | \$399.50 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 110 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48* pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Hypoid Oil; Automatic Rewind starter.<br>* Bosun Fuel System            |               |             |          |            |
| 1955                                                                                                                                                                                                                                                                                                                                                              |               | GG 9020A    | \$495.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 32.6; HP 22.0 @ 4000 RPM; Prop. dia. & pitch 10 3/8" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. Gap .030; Shear Pin 1/4" x 1 1/8" Brass; Wt. 125 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48* pts; Run. time full tank 2 hrs; Water cooled; Gear lub. Hypoid Oil; Electric & Automatic Rewind starter.<br>* Bosun Fuel System |               |             |          |            |

\* Montgomery Ward Model Numbers—Not Serial Numbers.  
\*\* List Price FOB Chicago Mail Order House.

Sk 5506  
(Replace Sk 5405)



## SEA KING (Continued)

| Year                                                                                                                                                                                                                                                                                                                                   | Model                  | Serial No. | FOB      | Cash Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------|----------|------------|
| 1956                                                                                                                                                                                                                                                                                                                                   | Deluxe                 | 60-9000    | \$105.00 |            |
| 1 Cyl; B&S 2 1/4" x 1 1/2"; P. Disp. 5.32; HP 3 @ 4000 RPM; Prop. dia. & pitch 6 3/4" x 6 7/8"; 2 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin 1/8" x 7/8" s/s Wt. 30 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 4 pts.; Run. time full tank 1 1/4 hr.; Water Cooled; Gear lub. Outboard Grease; Rope Rewind starter.          |                        |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                   | Standard               | 60-9001    | \$125.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin 3/16" x 15/16" alum; Wt. 45 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 6 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Outboard grease; Rope Rewind starter.       |                        |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                   | Deluxe                 | 60-9002    | \$169.00 |            |
| 2 Cyl; B&S 1-15/16" x 1 1/2"; P. Disp. 8.84; HP 5 @ 4000 RPM; Prop. dia. & pitch 8" x 7 1/4"; 2 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin None; Wt. 52 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 8 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind starter.                                   |                        |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                   | Standard               | 60-9016    | \$233.00 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin Special Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind starter.                                                                                                 |                        |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                   | Deluxe                 | 60-9021    | \$285.00 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J Gap .030 Shear Pin Special; Wt. 75 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48* pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind starter.                                  |                        |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                   | Deluxe-Electric Start. | 60-9024    | \$365.00 |            |
| 2 Cyl; B&S 2 1/4" x 2 1/4"; P. Disp. 17.89; HP 12 @ 4000 RPM; Prop. dia. & pitch 9" x 11"; 3 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin Special; Wt. 66 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 16 pts.; Run. time full tank 1 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind starter.                                  |                        |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                   | 25 HP                  | 60-9022    | \$375.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop dia. & pitch 10 3/4" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin 1/4" x 1 1/4" Brass; Wt. 119 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48* pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind & Electric starter.  |                        |            |          |            |
| 1956                                                                                                                                                                                                                                                                                                                                   | 25 HP Electric Starter | 60-9023    | \$455.00 |            |
| 2 Cyl; B&S 2 3/8" x 2 3/8"; P. Disp. 35.7; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 3/4" x 12 1/2"; 3 Bl; C. P. Gap .020; S. P. J6J Gap .030; Shear Pin 1/4" x 1 1/4" Brass; Wt. 129 lbs.; Oil 1/2 pt.; SAE 30 per gal.; Fuel Cap. 48* pts.; Run. time full tank 2 hr.; Water cooled; Gear lub. Hypoid; Rope Rewind & Electric starter. |                        |            |          |            |

\* Separate fuel system



**SILVERTROL**  
 Electric trolling motor  
 Silver Creek Precision Corporation  
 Silver Creek, N. Y.

| Year                                                                                                                                                                                                                                                                                                                                                                                                                              | Model      | Serial No.                | FOB     | Cash Value |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------------------|---------|------------|
| 1953                                                                                                                                                                                                                                                                                                                                                                                                                              | Silvertrol | S-25                      | \$74.50 |            |
| MPH Low-1.46 High-3.30; HP-High @ 1300 RPM, 27 amps, HP-Low @ 592 RPM, 11 amps; Prop. dia. & pitch 7-3/16" x 4 1/8"; 2 or 3 Bl; Shear pin 5/32", carbon steel; 6 lbs; Approx. Run. time 4-hr. at full speed, 2 days at normal speed on 6 volt-Auto Battery without recharging; Underwater cooling; Switch starting.                                                                                                               |            |                           |         |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                                                                                           | Silvertrol | S-25                      | \$74.50 |            |
| MPH Low-1.46 High 3.30; HP-High @ 1300 RPM, 27 amps, HP-Low @ 592 RPM, 11 amps; Prop. dia. & pitch 7-3/16" x 4 1/8"; 2 or 3 Bl; Shear Pin 5/32", carbon steel; 6 lbs; Approx. Run. time 4-hr. at full speed, 2 days at normal speed on 6 volt-Auto Battery without recharging; Underwater cooling; Switch starting.                                                                                                               |            |                           |         |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                              | Silvertrol | Model S-56                |         |            |
| M.P.H. Low 1.46—High 3.30; HP High @ 1300 R.P.M., 27 Amps, HP-Low @ 592 RPM., 11 Amps; Prop dia. and pitch 7-3/16" x 4-1/8"; 2 Blade. Shear Pin; Wt. 21 lbs; New Transom Bracket and Adjustment; Four position handle; Fresh or Salt water. Running Time—4 hours at full speed, 2 days fishing at low speed—6 Volts Auto Battery without recharging. Can run on 6-12 or 18 Volts. Two speeds on each voltage; Underwater Cooling. |            |                           |         |            |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                              | Silvertrol | Model 26-S (same as 25-S) |         |            |
| M.P.H Low 1.46—High 3.30; HP High @ 1300 R.P.M., 27 Amps, HP-Low @ 592 RPM., 11 Amps; Prop dia. and pitch 7-3/16" x 4 1/8"; 2 Blade. Shear Pin; Wt. 21 lbs; Approx. running time—4 hrs. at full speed; 2 days fishing at low speed, 6 Volts Auto Battery without recharging. Can run on 6-12 or 18 Volts. Two speed on each voltage; Underwater Cooling.                                                                          |            |                           |         |            |



**VOYAGER**  
**Outboard Motor Brands, Inc.**  
**P. O. Box 994, Minneapolis, Minn.**

| Year                                                                                                                                                                                                                                                                                                                                                   | Model                 | Serial No. | FOB      | Cash Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|----------|------------|
| 1950                                                                                                                                                                                                                                                                                                                                                   | 1-VA Standard Single  |            | \$132.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal. Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Rope Starter.                                                |                       |            |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                   | 2-VA Deluxe Single    |            | \$147.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 2/16" x 1/16" alum; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal.; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Water Cooled; Automatic Rewind Starter.                                   |                       |            |          |            |
| 1950                                                                                                                                                                                                                                                                                                                                                   | 4-VA Deluxe Lite Twin |            | \$195.00 |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. 8-1/4" x 8-3/8", 3 Bl; C. P. Gap .018; S. P. Champion No. 7, Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                                        |                       |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                   | 1-VA Standard Single  |            | \$132.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7; S. P. Gap .030; Shear pin 3/16" x 1-1/16", alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Rope starter.               |                       |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                   | 2-VA Deluxe Single    |            | \$159.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7 Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Pull-O-Matic starter.               |                       |            |          |            |
| 1951                                                                                                                                                                                                                                                                                                                                                   | 4-VA Deluxe Lite Twin |            | \$199.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 8-3/8", 3 Bl; C. P. Gap .018; S. P. Champion No. 7 Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Othd Grease; Water cooled; Pull-O-Matic starter.              |                       |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                   | 1-VA Standard Single  |            | \$132.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7; S. P. Gap .030; Shear pin 3/16" x 1-1/16", alum; Wt. 37 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Rope starter.               |                       |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                   | 2-VA Deluxe Single    |            | \$159.50 |            |
| 1 Cyl; B&S 2-1/16" x 1-3/4"; P. Disp. 5.84; HP 4.2 @ 4300 RPM; Prop. dia. & pitch 8" x 5-1/2", 2 Bl; C. P. Gap .018; S. P. Champion No. 7 Gap .030; Shear pin 3/16" x 1-1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2-1/2 hrs, Gear lub. Othd. Grease; Water cooled; Pull-O-Matic starter.               |                       |            |          |            |
| 1952                                                                                                                                                                                                                                                                                                                                                   | 4-VA Deluxe Lite Twin |            | \$199.50 |            |
| 2 Cyl; B&S 2-1/8" x 1-3/4"; P. Disp. 12.41; HP 7.9 @ 4200 RPM; Prop. dia. & pitch 8-1/4" x 8-3/8", 3 Bl; C. P. Gap .018; S. P. Champion No. 7 Gap .030; Shear pin 3/16" x 1/16" alum; Wt. 51 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1-1/2 hrs; Gear lub. Othd. Grease; Water cooled; Pull-O-Matic starter.             |                       |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                   | V-2L Fisherman Spec.  |            | \$127.50 |            |
| 1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 8" x 5 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion 7; Gap .030; Shear pin 3/16" x 1-1/16"; Wt. 42 approx.; Oil 3/4 pt.; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 2 1/2 hrs; Gear lub. Outboard Motor Gear Lubr.; water cooled; Automatic rewind starter. |                       |            |          |            |
| 1953-54                                                                                                                                                                                                                                                                                                                                                | V-3L-GS Gear Shift    |            | \$198.50 |            |
| 2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; HP 5.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .030; Shear pin 3/16" x 1-1/16"; Wt. 46 lbs. approx; Oil 1/2 pt; SAE-30 per gal; Fuel cap. 10 pts; Run. time full tank 1 1/2 hrs; Gear lub. 1" or 2"; water cooled; Automatic rewind starter.              |                       |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                   | V-4L-GS Gear Shift    |            | \$237.50 |            |
| 2 Cyl; B&S 2 1/8" x 1 3/4"; P. Disp. 12.41; HP 8.5 @ 4300 RPM; Prop. dia. & pitch 8" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .030; Shear pin 3/16" x 1-1/16"; Wt. 56 lbs. approx; Oil 3/4 pt; SAE-30 per gal; Fuel cap. 12 pts; Run. time full tank 1 1/2 hrs; Gear lub 1" or 2". Water cooled; Automatic rewind starter.              |                       |            |          |            |
| 1953                                                                                                                                                                                                                                                                                                                                                   | V-6L-GS Gear Shift    |            |          |            |
| 2 Cyl; B&S 2 1/2" x 2-1/32"; P. Disp. 19.94; HP 12.0 @ 4300 RPM; Prop. dia. & pitch 8" x 11 1/2"; 2 Bl; C. P. Gap .018; S. P. Champion J7J; Gap .035; Shear pin 3/16" x 1-1/16" Wt. 59 1/2 lbs; Oil 3/4 pt; SAE-30 per gal; Fuel cap. 6** gal; Run. time full tank 4 hrs; Gear lub. 1" or 2"; water cooled; automatic rewind starter.                  |                       |            |          |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                | V-2LL Fisherman Spec. |            | \$137.50 |            |
| 1 Cyl; B&S 2-1/16" x 1 3/4"; P. Disp. 5.84; HP 3.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 6"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 42 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 2 1/2 hrs; Water cooled; Gear lub. 1" or 2"; Automatic rewind starter.                |                       |            |          |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                | V3-LL-GS              |            | \$198.50 |            |
| 2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; HP 5 1/2 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 46 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 10 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1" or 2"; Automatic rewind starter.               |                       |            |          |            |
| 1954-55                                                                                                                                                                                                                                                                                                                                                | V4-LL-GS              |            | \$209.50 |            |
| 2 Cyl; B&S 1 3/8" x 1 3/4"; P. Disp. 9.66; HP 7.5 @ 4300 RPM; Prop. dia. & pitch 7 1/2" x 9 1/2"; 2 Bl; C. P. Gap .018; S. P. Champ. J7J, Gap .030; Shear Pin 3/16" x 1-1/16", alum; Wt. 47 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 12 pts. Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. 1" or 2"; Vo 5506 Automatic rewind starter.     |                       |            |          |            |



**WIZARD**  
Western Auto Supply Co.  
2107 Grand Ave., Kansas City 8, Missouri

| Year                                                                                                                                                                                                                                                                                                                       | Model                      | Serial No.       | FOB      | Cash Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|------------------|----------|------------|
| 1946                                                                                                                                                                                                                                                                                                                       | Standard Single WD-3       |                  | \$139.50 |            |
| 1 Cyl; B&S 2" x 1-3/4"; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 2 hrs; Water Cooled; Cord Starter.                                           |                            |                  |          |            |
| 1946                                                                                                                                                                                                                                                                                                                       | Standard Twin WD-4         |                  | \$159.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .025; S. P. J8J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Cord Starter.                                          |                            |                  |          |            |
| 1947-48                                                                                                                                                                                                                                                                                                                    | Deluxe Single WD-35        |                  | \$139.50 |            |
| 1 Cyl; B&S 2" x 1-3/4"; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 2 hrs; Water Cooled; Automatic Rewind Starter.                               |                            |                  |          |            |
| 1947-48                                                                                                                                                                                                                                                                                                                    | Deluxe Twin WD-45          |                  | \$159.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                              |                            |                  |          |            |
| 1949-50                                                                                                                                                                                                                                                                                                                    | Super Twin WF-4            |                  | \$169.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-5/8" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                              |                            |                  |          |            |
| 1950                                                                                                                                                                                                                                                                                                                       | Super-Ten WF-7             |                  | \$249.50 |            |
| 2 Cyl; B&S 2-11/32" x 2-3/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 11", 3 Bl; C. P. Gap .020; S. P. J8J, Gap .025; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                  |                            |                  |          |            |
| 1951                                                                                                                                                                                                                                                                                                                       | Super Twin WG-4            |                  | \$179.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 3/4 pts. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                             |                            |                  |          |            |
| 1951                                                                                                                                                                                                                                                                                                                       | Super Ten WG-7             |                  | \$269.50 |            |
| 2 Cyl; B&S 2-11/32" x 2-1/8"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                  |                            |                  |          |            |
| 1952                                                                                                                                                                                                                                                                                                                       | Super Twin WG-4            |                  | \$189.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                              |                            |                  |          |            |
| 1952                                                                                                                                                                                                                                                                                                                       | Super Ten WG-7             |                  | \$279.50 |            |
| 2 Cyl; B&S 2-11/32" x 2-3/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                  |                            |                  |          |            |
| 1952                                                                                                                                                                                                                                                                                                                       | Powermatic, Super-Ten WH-7 |                  | \$319.50 |            |
| 2 Cyl; B&S 2-11/32" x 2-1/8"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 8" x 9", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .040; Shear Pin 1" x 3/16" bronze; Wt. 70 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Gear Lub. Hypoid; Water cooled; Automatic Rewind Starter.     |                            |                  |          |            |
| 1953                                                                                                                                                                                                                                                                                                                       | Super Twin WG-4            |                  | \$189.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 1/2 hrs; Water Cooled; Automatic Rewind Starter.                              |                            |                  |          |            |
| 1953                                                                                                                                                                                                                                                                                                                       | Super Ten WG-7             |                  | \$279.50 |            |
| 2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1 1/2 hrs; Water Cooled; Automatic Rewind Starter.                  |                            |                  |          |            |
| 1953                                                                                                                                                                                                                                                                                                                       | Powermatic Super-Ten WH-7  |                  | \$329.50 |            |
| 2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 8" x 9", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .040; Shear pin 1" x 3/16" bronze; Wt. 70 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1 1/2 hrs; Gear Lub. Hypoid; Water cooled; Automatic Rewind Starter.     |                            |                  |          |            |
| 1954                                                                                                                                                                                                                                                                                                                       | WG-4                       |                  | \$184.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7"; 2 Bl; C.P. Gap .020; S. P. J-7-J; Gap .030; Shear Pin 1" x 3/16", steel; Wt. 49 lbs.; Oil 1/2 pt; SAE-30 per gal; Fuel Cap 7 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Waterproof gear lub.; Auto. rewind starter. |                            |                  |          |            |
| 1954                                                                                                                                                                                                                                                                                                                       | WJ-7                       | 733088 to 744087 | \$264.50 |            |
| 2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 2 1/2" x 10"; 3 Bl; C. P. Gap .018; S. P. J-8-J Gap .035; Shear Pin 1" x 3/16", Steel; Wt. 62 lbs.; Oil 3/4 pt; SAE-30 per gal; Fuel Cap 24 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. EP-90; Auto. rewind starter.    |                            |                  |          |            |
| 1954                                                                                                                                                                                                                                                                                                                       | WK-7                       | 740088 to 748087 | \$324.50 |            |
| 2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 12 @ 4000 RPM; Prop. dia. & pitch 8" x 9"; 2 Bl; C. P. Gap .018; S. P. J-7-J Gap .035; Shear Pin (none) Wt. 72 lbs.; Oil 3/4 pt; SAE-30 per gal; Fuel Cap 24 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. EP-90; Auto. rewind starter.                     |                            |                  |          |            |



# WIZARD (Continued)

| Year                                                                                                                                                                                                                                                                                                                   | Model             | Serial No.                               | FOB      | Cash Value |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------|----------|------------|
| 1955                                                                                                                                                                                                                                                                                                                   | Wizard-Model WH-6 | 835971 thru 845970                       | \$189.50 |            |
| 2 Cyl; B&S 1 1/2" x 1 1/2"; P. Disp. 7.2; HP 5 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6 1/2"; 2 Bl; C. P. Gap .018; S. P. Gap .030; Safety Clutch; Wt. 40 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel Cap. 25 pts; Run. time full tank 6 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.                        |                   |                                          |          |            |
| 1955                                                                                                                                                                                                                                                                                                                   | Wizard-Model WM-7 | 826920 thru 830919<br>887979 thru 888004 | \$259.50 |            |
| 2 Cyl; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 10 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 10"; 3 Bl; C. P. Gap .020; S. P. Gap .035; Shear Pin 3/16" x 61/64 Bronze; Wt. 62 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4-4 1/2 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter. |                   |                                          |          |            |
| 1955                                                                                                                                                                                                                                                                                                                   | Wizard-Model WN-7 | 84573 thru 851972                        | \$319.50 |            |
| 2 Cyl; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 12 @ 4000 RPM; Prop. dia. & pitch 9 1/2" x 10 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .035; Safety Clutch; Wt. 72 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4-4 1/2 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.              |                   |                                          |          |            |
| 1955                                                                                                                                                                                                                                                                                                                   | Wizard-Model WH-6 | 835971 thru 845970                       | \$189.50 |            |
| 2 Cyl; B&S 1 1/2" x 1 1/2"; P. Disp. 7.2; HP 5 @ 4000 RPM; Prop. dia. & pitch 6 1/2" x 6 1/2"; 2 Bl; C. P. Gap .018; S. P. Gap .030; Safety Clutch; Wt. 40 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel Cap. 25 pts; Run. time full tank 6 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.                        |                   |                                          |          |            |
| 1955                                                                                                                                                                                                                                                                                                                   | Wizard-Model WM-7 | 826920 thru 830919<br>887979 thru 888004 | \$259.50 |            |
| 2 Cyl; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 10 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 10"; 3 Bl; C. P. Gap .020; S. P. Gap .035; Shear Pin 3/16" x 61/64 Bronze; Wt. 62 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4-4 1/2 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter. |                   |                                          |          |            |
| 1955                                                                                                                                                                                                                                                                                                                   | Wizard-Model WN-7 | 84573 thru 851972                        | \$319.50 |            |
| 2 Cyl; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 12 @ 4000 RPM; Prop. dia. & pitch 9 1/2" x 10 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .035; Safety Clutch; Wt. 72 lbs.; Oil 3/8 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4-4 1/2 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.              |                   |                                          |          |            |



**WIZARD**  
Western Auto Supply Co.  
2107 Grand Ave., Kansas City 8, Missouri

| Year                                                                                                                                                                                                                                                                                                                       | Model                      | Serial No.          | FOB      | Cash Value |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------|----------|------------|
| 1946                                                                                                                                                                                                                                                                                                                       | Standard Single WD-3       |                     | \$139.50 |            |
| 1 Cyl; B&S 2" x 1-3/4"; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 39 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 2 hrs; Water Cooled; Cord Starter.                                           |                            |                     |          |            |
| 1946                                                                                                                                                                                                                                                                                                                       | Standard Twin WD-4         |                     | \$159.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .025; S. P. J8J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 1/2 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Cord Starter.                                          |                            |                     |          |            |
| 1947-48                                                                                                                                                                                                                                                                                                                    | Deluxe Single WD-35        |                     | \$139.50 |            |
| 1 Cyl; B&S 2" x 1-3/4"; P. Disp. 5.5; HP 3.2 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 39 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 2 hrs; Water Cooled; Automatic Rewind Starter.                               |                            |                     |          |            |
| 1947-48                                                                                                                                                                                                                                                                                                                    | Deluxe Twin WD-45          |                     | \$159.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                              |                            |                     |          |            |
| 1949-50                                                                                                                                                                                                                                                                                                                    | Super Twin WF-4            |                     | \$169.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-5/8" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                              |                            |                     |          |            |
| 1950                                                                                                                                                                                                                                                                                                                       | Super-Ten WF-7             |                     | \$249.50 |            |
| 2 Cyl; B&S 2-11/32" x 2-1/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 11", 3 Bl; C. P. Gap .020; S. P. J8J, Gap .025; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                  |                            |                     |          |            |
| 1951                                                                                                                                                                                                                                                                                                                       | Super Twin WG-4            |                     | \$179.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                              |                            |                     |          |            |
| 1951                                                                                                                                                                                                                                                                                                                       | Super Ten WG-7             |                     | \$269.50 |            |
| 2 Cyl; B&S 2-11/32" x 2-1/8"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                  |                            |                     |          |            |
| 1952                                                                                                                                                                                                                                                                                                                       | Super Twin WG-4            |                     | \$189.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                              |                            |                     |          |            |
| 1952                                                                                                                                                                                                                                                                                                                       | Super Ten WG-7             |                     | \$279.50 |            |
| 2 Cyl; B&S 2-11/32" x 2-3/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7-1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Water Cooled; Automatic Rewind Starter.                  |                            |                     |          |            |
| 1952                                                                                                                                                                                                                                                                                                                       | Powermatic, Super-Ten WH-7 |                     | \$319.50 |            |
| 2 Cyl; B&S 2-11/32" x 2-1/8"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 8" x 9", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .040; Shear Pin 1" x 3/16" bronze; Wt. 70 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1-1/2 hrs; Gear Lub. Hypoid; Water cooled; Automatic Rewind Starter.     |                            |                     |          |            |
| 1953                                                                                                                                                                                                                                                                                                                       | Super Twin WG-4            |                     | \$189.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 7", 2 Bl; C. P. Gap .020; S. P. J7J, Gap .025; Shear pin 1" x 3/16", steel; Wt. 49 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 7 pts; Run. time full tank 1 1/2 hrs; Water Cooled; Automatic Rewind Starter.                              |                            |                     |          |            |
| 1953                                                                                                                                                                                                                                                                                                                       | Super Ten WG-7             |                     | \$279.50 |            |
| 2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 10", 3 Bl; C. P. Gap .018; S. P. J8J, Gap .035; Shear pin 1" x 3/16" bronze; Wt. 59 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1 1/2 hrs; Water Cooled; Automatic Rewind Starter.                  |                            |                     |          |            |
| 1953                                                                                                                                                                                                                                                                                                                       | Powermatic Super-Ten WH-7  |                     | \$329.50 |            |
| 2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 8" x 9", 2 Bl; C. P. Gap .020; S. P. J8J, Gap .040; Shear pin 1" x 3/16" bronze; Wt. 70 lbs; Oil 3/4 pt. SAE-30 per gal; Fuel cap. 16 pts. Run. time full tank 1 1/2 hrs; Gear Lub. Hypoid; Water cooled; Automatic Rewind Starter.     |                            |                     |          |            |
| 1954                                                                                                                                                                                                                                                                                                                       | WG-4                       |                     | \$184.50 |            |
| 2 Cyl; B&S 2" x 1-3/4"; P. Disp. 11; HP 6 @ 4000 RPM; Prop. dia. & pitch 7 5/8" x 7"; 2 Bl; C.P. Gap .020; S. P. J-7-J; Gap .030; Shear Pin 1" x 3/16", steel; Wt. 49 lbs.; Oil 3/4 pt; SAE-30 per gal; Fuel Cap 7 pts; Run. time full tank 1 1/2 hrs; Water cooled; Gear lub. Waterproof gear lub.; Auto. rewind starter. |                            |                     |          |            |
| 1954                                                                                                                                                                                                                                                                                                                       | WJ-7                       | 733088 to<br>744087 | \$264.50 |            |
| 2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 10 @ 4000 RPM; Prop. dia. & pitch 2 1/2" x 10"; 3 Bl; C. P. Gap .018; S. P. J-8-J Gap .035; Shear Pin 1" x 3/16", Steel; Wt. 62 lbs.; Oil 3/4 pt; SAE-30 per gal; Fuel Cap 24 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. EP-90; Auto. rewind starter.    |                            |                     |          |            |
| 1954                                                                                                                                                                                                                                                                                                                       | WK-7                       | 740088 to<br>748087 | \$324.50 |            |
| 2 Cyl; B&S 2-11/32" x 2 1/4"; P. Disp. 18.34; HP 12 @ 4000 RPM; Prop. dia. & pitch 8" x 9"; 2 Bl C. P. Gap .018; S. P. J-7-J Gap .035; Shear Pin (none) Wt. 72 lbs.; Oil 3/4 pt; SAE-30 per gal; Fuel Cap 24 pts; Run. time full tank 4 1/2 hrs; Water cooled; Gear lub. EP-90; Auto. rewind starter.                      |                            |                     |          |            |



# WIZARD (Continued)

| Year                                                                                                                                                                                                                                                                                                                    | Model             | Serial No.                               | FOB      | Cash Value |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|------------------------------------------|----------|------------|
| 1955                                                                                                                                                                                                                                                                                                                    | Wizard-Model WH-6 | 835971 thru 845970                       | \$189.50 |            |
| 2 Cyl.; B&S 1 3/4" x 1 1/2"; P. Disp. 7.2; HP 5 @ 4000 RPM; Prop. dia. & pitch 6 3/4" x 6 1/2"; 2 Bl; C. P. Gap .018; S. P. Gap .030; Safety Clutch; Wt. 40 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 25 pts; Run. time full tank 6 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.                        |                   |                                          |          |            |
| 1955                                                                                                                                                                                                                                                                                                                    | Wizard-Model WM-7 | 826920 thru 830919<br>887979 thru 888004 | \$259.50 |            |
| 2 Cyl.; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 10 @ 4000 RPM; Prop. dia. & pitch 7 1/2" x 10"; 3 Bl; C. P. Gap .020; S. P. Gap .035; Shear Pin 3/16" x 61/64 Bronze; Wt. 62 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4-4 1/2 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter. |                   |                                          |          |            |
| 1955                                                                                                                                                                                                                                                                                                                    | Wizard-Model WN-7 | 84573 thru 851972                        | \$319.50 |            |
| 2 Cyl.; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 12 @ 4000 RPM; Prop. dia. & pitch 9 1/2" x 10 1/2"; 2 Bl; C. P. Gap .020; S. P. Gap .035; Safety Clutch; Wt. 72 lbs.; Oil 1/2 pt; SAE 30 per gal; Fuel Cap. 48 pts; Run. time full tank 4-4 1/2 hrs; Water cooled; Gear lub. OM; Automatic Rewind starter.              |                   |                                          |          |            |
| 1956                                                                                                                                                                                                                                                                                                                    | Super 5           |                                          |          |            |
| 2 Cyl.; B&S 1 3/4" x 1 1/2"; P. Disp. 7.2; HP 5 @ 4000 RPM; 2 Bl; Wt. 42 lbs.; Fuel Cap. 34 pts.; Robot Rewind starter.                                                                                                                                                                                                 |                   |                                          |          |            |
| 1956                                                                                                                                                                                                                                                                                                                    | Super 10          |                                          |          |            |
| 2 Cyl.; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 10 @ 4000 RPM; 3 Bl; Wt. 62 lbs.; Fuel Cap. 48 pts.; Robot Rewind starter.                                                                                                                                                                                              |                   |                                          |          |            |
| 1956                                                                                                                                                                                                                                                                                                                    | Powermatic 12     |                                          |          |            |
| 2 Cyl.; B&S 2-7/16" x 2 1/2"; P. Disp. 19.8; HP 12 @ 4000 RPM; 2 Bl; Wt. 72 lbs.; Fuel Cap. 48 pts.; Robot Rewind starter.                                                                                                                                                                                              |                   |                                          |          |            |
| 1956                                                                                                                                                                                                                                                                                                                    | Super Power 25    |                                          |          |            |
| 4 Cyl.; B&S 2-7/16" x 2 1/2"; P. Disp. 29.78; HP 25 @ 2500 RPM; 2 Bl; Wt. 106 lbs.; Fuel Cap. 48 pts.; Robot Rewind or Electric starter.                                                                                                                                                                                |                   |                                          |          |            |



**WEST BEND**  
**West Bend Aluminum Co.**  
**West Bend, Wisc.**

| Year                                                                                                                                                                                                                                                                                                                                                                                                                     | Model   | Serial<br>No. | FOB      | Cash<br>Value |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------|----------|---------------|
| 1955                                                                                                                                                                                                                                                                                                                                                                                                                     | 160211  |               | \$125.00 |               |
| 1 Cyl; B&S 1 $\frac{3}{4}$ " x 1-9/16"; P. Disp. 3.90; HP 2.0; Prop. dia. & pitch 6 $\frac{1}{2}$ " x 4"; 2 Bl; C. P. Gap .020; S. P. Champ. J8J; Shear Pin None; Wt. 39 lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 4 pts; Run. 5 pts; Run. time full tank 2 hrs; Air cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.                                                                           |         |               |          |               |
| 1955                                                                                                                                                                                                                                                                                                                                                                                                                     | 160571  |               | \$185.00 |               |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.60; HP 5.0 @ RPM; Prop. dia. & pitch 7 $\frac{1}{2}$ " x 6 $\frac{3}{4}$ "; 2 Bl; C. P. Gap .020; S. P. Champ; Shear Pin 5/32" x 1" stain; Wt. 56 $\frac{1}{2}$ lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 8.3 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin Waterproof Automatic Rewind starter.                                                        |         |               |          |               |
| 1955                                                                                                                                                                                                                                                                                                                                                                                                                     | 160772  |               | \$215.00 |               |
| 2 Cyl; B&S 2 $\frac{1}{8}$ " x 1-11/16"; P. Disp. 11.97; HP 7.5; Prop. dia. & pitch 7 $\frac{1}{2}$ " x 8"; 2 Bl; C. P. Gap .020; S. P. Champ; Shear Pin 5/32" x 1" stain; Wt. 57 $\frac{1}{2}$ lbs.; Oil $\frac{1}{2}$ pt; SAE 30 per gal; Fuel Cap. 11 pts; Run. time full tank 1 hr; Water cooled; Gear lub. Elgin Waterproof; Automatic Rewind starter.                                                              |         |               |          |               |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                     | 160211  |               | \$125.00 |               |
| 1 Cyl; B&S 1 $\frac{3}{4}$ " x 1-9/16"; P. Disp. 3.90; HP 2 @ 4000 RPM; Prop. dia. & pitch 6 $\frac{1}{2}$ " x 4"; 2 Bl; C. P. Gap .020; S. P. J11J Gap .035; Wt. 29 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 or 40 per gal.; Fuel Cap. 7 pts.; Run. time full tank 2 hr.; Air cooled; Gear lub. Under Water Grease; Automatic Rewind starter.                                                                                |         |               |          |               |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                     | 160501  |               | \$220.00 |               |
| 2 Cyl; B&S 2" x 1-11/16"; P. Disp. 10.60; HP 5 $\frac{1}{2}$ @ 4000 RPM; Prop. dia. & pitch 7 $\frac{1}{2}$ " x 7"; 2 Bl; C. P. Gap .020; S. P. 119J Gap .035; Shear Pin 5/32" x 1"; Wt. 54 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 or 40 per gal.; Fuel Cap. 36 pts.; Run. time full tank 4 $\frac{1}{4}$ hr.; Water cooled; Gear lub. Under Water Grease; Automatic Rewind starter.                                        |         |               |          |               |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                     | 160701  |               | \$235.00 |               |
| 2 Cyl; B&S 2 $\frac{1}{8}$ " x 1-11/16"; P. Disp. 11.97; HP 7 $\frac{1}{2}$ @ 4000 RPM; Prop. dia. & pitch 8" x 8"; 2 Bl; C. P. Gap .020; S. P. H8J Gap .035; Shear Pin 5/32" x 1"; Wt. 54 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 or 40 per gal.; Fuel Cap. 36 pts.; Run. time full tank 3 $\frac{1}{4}$ hr.; Water cooled; Gear lub. Under Water Grease; Automatic Rewind starter.                                         |         |               |          |               |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                     | 160902  |               | \$340.00 |               |
| 2 Cyl; B&S 2 $\frac{3}{8}$ " x 2"; P. Disp. 17.74; HP 12 @ 4000 RPM; Prop. dia. & pitch 8 $\frac{1}{2}$ " x 8"; 3 Bl; C. P. Gap .020; S. P. H8J Gap .035 Shear Pin 3/16" x 1 $\frac{1}{4}$ " Brass; Wt. 60 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 or 40 per gal.; Fuel Cap. 48 pts.; Run. time full tank 3 hr.; Water cooled; Gear lub. Under Water Grease; Automatic Rewind starter.                                       |         |               |          |               |
| 1956                                                                                                                                                                                                                                                                                                                                                                                                                     | 1609403 |               | \$450.00 |               |
| 2 Cyl; B&S 3" x 2-2/3"; P. Disp. 37.71; HP 25 @ 4000 RPM; Prop. dia. & pitch 10 $\frac{3}{4}$ " x 11 $\frac{1}{2}$ "; 3 Bl; C. P. Gap .020; S. P. H8J Gap .035; Shear Pin $\frac{1}{4}$ " x 1 $\frac{3}{8}$ "; Wt. 118 lbs.; Oil $\frac{1}{2}$ pt.; SAE 30 or 40 per gal.; Fuel Cap. 48 pts.; Run. time full tank 1 $\frac{1}{2}$ hr.; Water cooled; Gear lub. Under Water Grease; Automatic Rewind or Electric starter. |         |               |          |               |