INSTRUCTIONS

AND REPAIR PARTS LIST....

for

Eaton's

Viking

OUTBOARD MOTORS

3.0 O. B. C. CERTIFIED BRAKE HORSE-POWER AT 4000 R. P. M.

> Standard Single Cylinder Model No. C 1G6

ALWAYS GIVE COMPLETE MOTOR MODEL NUMBER WHEN ORDERING PARTS—

Manufactured expressly for

T. EATON COMPANY LIMITED, CANADA

by

OUTBOARD, MARINE & MFG. CO. OF CANADA, LTD. -- PETERBORO, CANADA
Part #551275.

WARRANTY VIKING OUTBOARD MOTOR

We warrant each new outboard motor to be free from defects in material and workmanship under normal use and when operated according to these instructions. Within 90 days from date of sale to the original purchaser we will exchange free of charge any part which our examination shall disclose to our satisfaction to be defective.

This warranty shall not apply to any motor which has been subject to misuse, alteration, or accident; or which has been used for racing or equipped with a racing propeller.

All transportation charges on motors or parts returned to the factory must be prepaid.

AT. EATON COMITED

OPERATION AND CARE OF THE VIKING OUTBOARD MOTOR

This outboard motor is designed and built to give years of satisfactory service. The fine materials and high standards of workmanship used assure durability and lasting

performance.

Read these instructions carefully before attempting to operate the motor.

HOW TO OPERATE THE MOTOR

FUEL AND LUBRICATION—In an outboard motor the bearings, pistons, rings and other moving parts are lubricated by mixing oil with the gasoline.

Use any good grade of medium (regular) gasoline and Medium Heavy S.A.E. 30 motor oil. Mix the oil and gasoline thoroughly. For best results strain the fuel through a chamois or through a funnel with a fine gauge strainer screen. Never pour gasoline or oil into the tank unmixed.

Keep the gear housing filled with a good waterproof outboard motor gear grease. To fill the gear housing, remove the grease screw plug in gear housing. Also remove the drain plug screw located in the gear housing cap. n the propeller end of housing. (This will allow water to drain out.) Then fill housing with grease thru the grease plug hole. Housing is filled when grease comes out of drain plug hole. Do not use automobile differential or cup grease.

OILING INSTRUCTIONS—1. For first five hours, mix 3/4 pint of regular Gas-Engine oil, medium heavy S.A.E. No. 30 with each gallon of gasoline.

2. After five hours of operation, reduce oil to $\frac{1}{2}$ pint per each gallon of gasoline.

- Mix the oil and gasoline thoroughly in a clean separate can before pouring into fuel tank.
- 4. Keep gear housing filled with outboard motor gear grease.

HOW TO ATTACH THE MOTOR TO THE BOAT—Hang the motor over the stern of the boat with the bracket in the center of the stern board or transom. Tighten the bracket thumb screws securely. Do not use a wrench. Change the angle adjustment on the rear of the stern bracket, if necessary, so that the motor is in a vertical position when the boat is loaded and running. The motor is made for use on a standard 15 inch height stern. If the stern is higher cut down to 15 inches to accommodate the bracket so that the propeller will be at the right depth.

OPERATING INSTRUCTIONS—1. Open gasoline shut-off valve. Open vent screw in filler cap on the gasoline tank. The motor will not operate when vent is closed.

- 2. Move speed control lever to position marked "START."
- 3. Turn carburetor control knob to extreme left to word "PRIME" and hold in this position about 8 to 10 seconds then release.

- Wind starter cord on pulley in clockwise direction and pull forcibly. If motor does not start on first attempt, pull rope 2 or 3 times with control knob set at prime.
- After motor starts turn carburetor control knob slowly to the right until motor runs smoothly. Advance speed control lever toward "FAST" position to increase speed.
- 6. When motor warms up it may be necessary to readjust both speed control lever and carburetor control knob in order to attain maximum speed. -
- 7. To stop motor move speed control lever to position marked "STOP."
- 8. It is not necessary to prime the motor when starting, if it has been warmed up.

REMOVING MOTOR FROM BOAT—When removing motor from boat, lift motor in a straight upward position and hold in this position until all water is drained from the underwater exhaust tube and water cooling system. Do not stand motor on magneto or carry with the magneto down as this may allow water to enter the powerhead from muffler or underwater exhaust tube.

When the motor is left on the boat, tilt it out of the water so the underwater exhaust outlet is above the water line. The motor should be tilted so that the shaft hangs on an angle that will allow the water to drain from the exhaust tube. A stick inserted between the shaft and stern bracket will hold the motor so it will not drop back in the water from any movement of the boat. If the exhaust pipe is left in the water, water may enter the cylinder.

HOW TO CARE FOR THE MOTOR

BREAK-IN PERIOD—Reasonable care in the operation of the motor during the first several hours of u.e., will improve its performance and insure longer life. Follow the oiling instructions carefully. Do not run at full speed for the first few hours, to give the rings and bearings a chance to become well seated. The motor will develop full speed and power after approximately 20 hours of operation.

MAGNETO—The correct magneto point gap is .020 in. maximum opening. It needs no attention as long as the spark is good. To clean points, use a very finepointfile or nail file. A piece of hard paper drawn between the points will remove dirt and grease. Be careful not to leave any lint from the paper on the points.

SPARK PLUG—The correct spark plug gap is .025 in. Plugs are set properly at the factory and are right when the motor is received. We recommend Champion J-9J or J-10 Commercial J spark plug for replacement. Keep the spark plug cable free from oil and do not permit it to become frayed and broken. Clean the spark plug periodically and reset the gap.

CARBURETOR ADJUSTMENT—The carburetor is adjusted for both high and low speed operation at the factory. If further adjustment is necessary proceed as follows: Run motor for a few minutes with the speed control lever set at "FAST" and then adjust the carburetor control until motor runs smoothly. Now move speed control lever to

"SLOW." Turn idle adjusting screw, located directly above carburetor control knob, until satisfactory low speed performance is obtained.

The carburetor is now adjusted for average conditions. Special setting may be necessary for best performance with a heavy boat or other unusual conditions.

COOLING SYSTEM—The motor is water cooled. Water enters through two holes in the propeller hub. A positive action rotary pump circulates it through the cylinder jacket. Weeds or mud may clog the water intake and prevent the water from circulating. If the motor heats, turn it off at once and clean out the water inlet passages. To continue to run the motor without the water circulating through the cooling system may cause damage.

REPLACE THE SHEAR PIN—A shear pin is used on the propeller and will shear off when the propeller strikes an obstruction. When the pin shears off the motor continues to run but the propeller will not turn. This prevents damage to the gears and shafts. Turn off the motor immediately when a pin shears. To replace the pin, unscrew the propeller shaft nut and slip off the propeller. Remove the old pin and replace it with a new one. Always carry extra shear pins in your tool kit.

REVERSING—An important feature of the motor is that it can be turned completely around in its pivot bearing, permitting backing up and better maneuverability. With the

motor in its reversed position the reverse lock prevents the thrust of the propeller from forcing the lower unit out of the water. The reverse lock should be kept lubricated with grease and checked periodically for proper operation. For SAFETY'S SAKE do not attempt to reverse the motor at any speed higher than half throttle.

HOW TO REMOVE FLYWHEEL—Hold the flywheel rigid and unscrew the flywheel nut about two full turns until it tightens again. The nut now acts as a flywheel puller. Have someone lift up on the flywheel and then place a piece of bar solder or a block of lead over the flywheel nut and tap flywheel nut a sharp blow with a hammer. If flywheel does not come off loosen nut a trifle more. When flywheel comes off, use care not to lose the key by which the flywheel is held in engagement with the shaft. When again replacing flywheel, draw up the nut that holds it as tight as possible. Use a hammer on the wrench to insure good tightening.

SPEED CONTROL LEYER ADJUSTMENT—Should the speed control lever become so loose that it will not remain in a set position, it can be tightened by tightening the armature base clamp screw underneath the flywheel base.

CARBURETOR CONTROL KNOB ADJUSTMENT—Should the carburetor control knob become so loose that it will not remain in a set position, it can be tightened by drawing down on the packing nut. If tightening of the packing nut will not help, it may be necessary to repla a the packing. To replace packing, remove the control knob from carbure tor, also packing nut. Remove old packing, replace with new and reassemble.

PROPELLER—Motors are equipped with a propeller to give the best all around performance on the average boat.

Adding a high speed propeller to a motor will not increase the speed of the boat unless the boat itself is light and designed to develop higher speed. We cannot be responsible for wear or damage to a motor used for racing or equipped with a racing propeller.

MOTOR USED IN SALT WATER—The motor should be removed from the boat when not in service. Flush the motor thoroughly by running it in a tank or barrel of fresh water. Wipe the motor dry and go over all parts with an oily cloth.

DO NOT RUN MOTOR OUT OF WATER—If motor is being run in a tank or barrel of water be sure that the gear housing as well as propeller is fully submerged while running. Watch motor very closely as the churning of the water by the propeller may create an air pocket and cause the motor to race and do serious damage to motor. DO NOT RUN THE MOTOR IN A TANK FOR MORE THAN TWO MINUTES. NEVER RACE THE MOTOR WHEN RUNNING IN A TANK.

while in use, but when it is idle, drain it by setting it in an upright position and revolving the flywheel. If the motor is to be stored during cold weather be sure that no water is left in the motor or it may freeze.

MOTOR THAT HAS BEEN SUBMERGED—A motor that has been submerged is temporarily out of working order. It must be dried out thoroughly before it can be used again. Remove all the fuel and dry the motor slowly over heat.

The magneto may need special attention. Remove the flywheel and dry the armature thoroughly with a rag and allow to remain open until completely dry. Be sure coil is dry by leaving magneto in open air for 24 hours or bake in a temperature not exceeding 100° F. for an hour. Do not spin flywheel while magneto is wet as it may short coil.

Remove, dry and clean spark plug. Remove carburetor, drain out all water, and flush thoroughly with gasoline.

Rotate motor slowly by means of propeller while pouring a small quantity of lubricating oil through spark plug hole, thus forcing all water out of cylinder and crankcase.

When magneto is thoroughly dry, reassemble on motor and check spark by holding end of ignition cable about $\frac{1}{8}$ " away from cylinder head while spinning flywheel with starter rope.

Should the above test fail to produce a spark or produces only a weak spark, take it to an authorized service depot. Before starting motor, be sure all parts, including magneto, spark plug, gasoline line and carburetor are reassembled on the motor. Pour two teaspoonfuls of pure lubricating oil in cylinder through the spark plug hole.

TO STORE THE MOTOR—Store the motor in a dry place and be sure it is thoroughly dry before storing. Drain the gasoline tank. Remove the spark plug, put two teaspoons of pure lubricating oil in cylinder and revolve the flywheel several times to spread a coating of oil over the cylinder walls, and replace the spark plug. Pack the gear housing with grease. Wipe the entire motor with a cloth saturated with oil. Wrap the motor in cloth or heavy paper, or place it in the motor shipping box. Store it in a dry place.

PUTTING MOTOR IN USE AFTER STORAGE—Inspect the motor thoroughly before you use it. Pack the gear case full of new outboard motor grease. Do not use ordinary automobile grease. Clean the contact points by running a piece of hard paper or cardboard between them. Be careful not to leave any lint from the paper on the points. If they are very dirty or rough use a fine coil file or a nail file to polish them. Set the points at the proper distance (.020-inch).

Clean the strainer screen in bottom of carburetor. Clean out the tank, the gasoline feed pipe and the carburetor. Mix the oil and gasoline, fill the tank and be sure the gasoline is flowing to the carburetor.

Clean the spark plug and replace with a new one if it is cracked, broken or badly burned.

Replace any damaged parts. Tighten all screws and nuts.

After long continuous, hard service, a very complete overhauling by an expert is advisable.

HOW TO OBTAIN SERVICE—If your Outboard Motor refuses to operate or does not perform properly and you can find nothing in this booklet which covers the possible cause for failure, we suggest that you take the motor to your

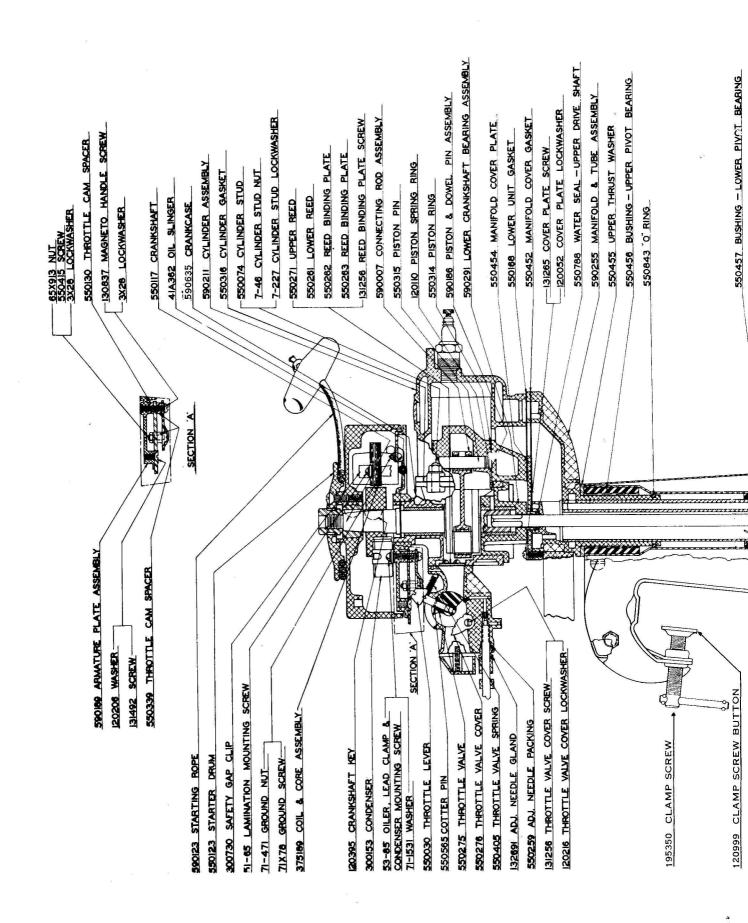
dealer or nearest authorized service depot.

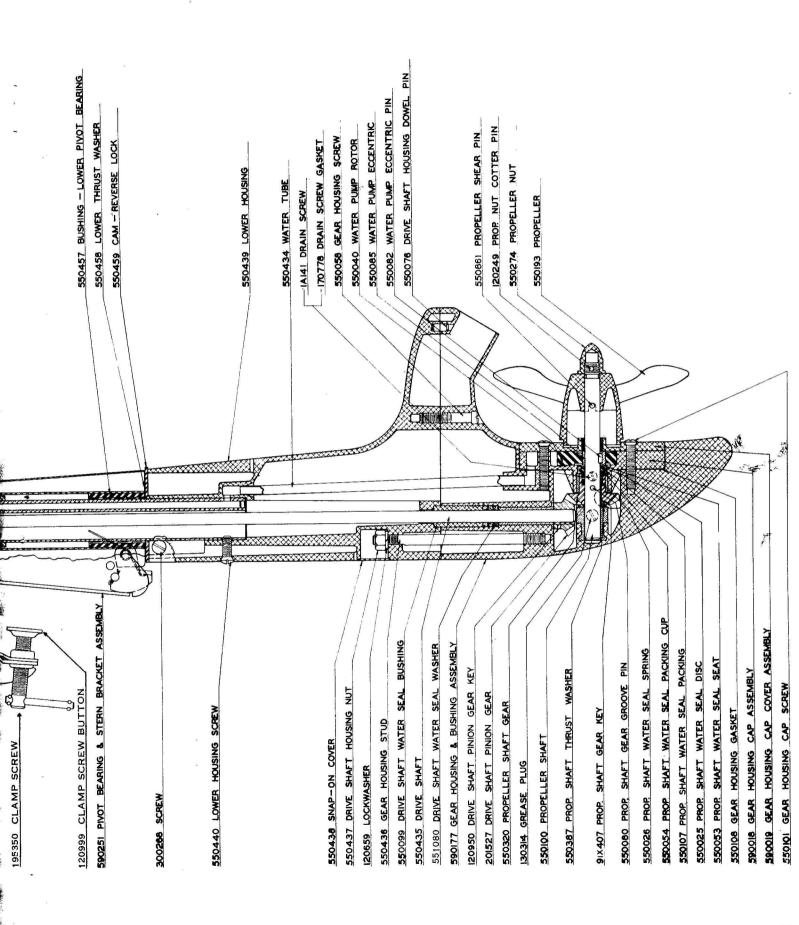
HOW TO ORDER REPAIR PARTS—This instruction book gives you a complete repair parts list for your Outboard Motor. Should you need to order repair parts they may be obtained through the nearest dealer or parts distributor.

If you order repair parts, we need the following information to enable us to fill your order correctly:

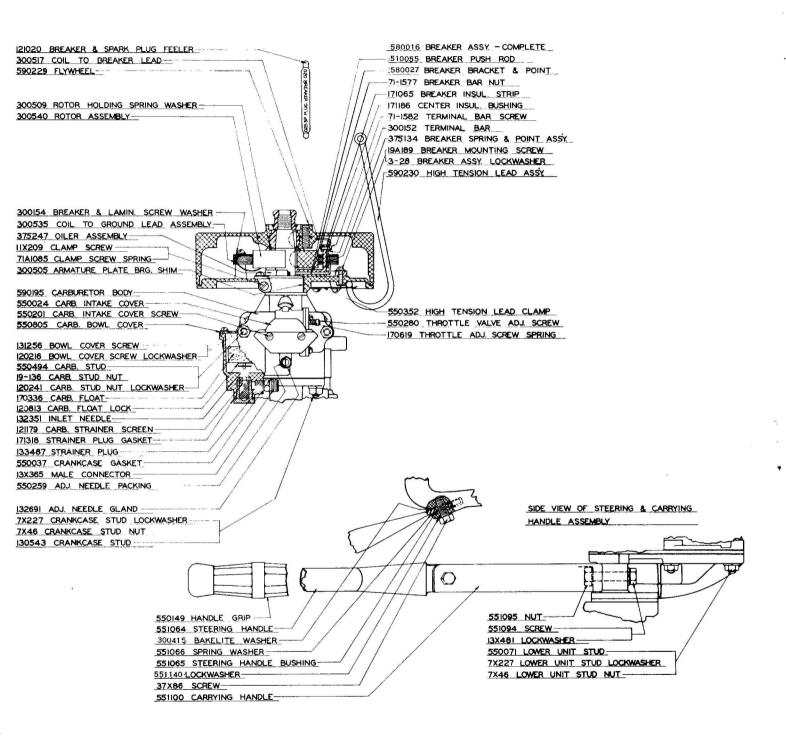
- 1. Part number and description of part as shown in this list.
- 2. Complete motor Model Number and Serial Number. These numbers will be found stamped on the instruction plate located on the front of the stern bracket.

Order By Part Number and Name Giving Motor Model and Serial Number

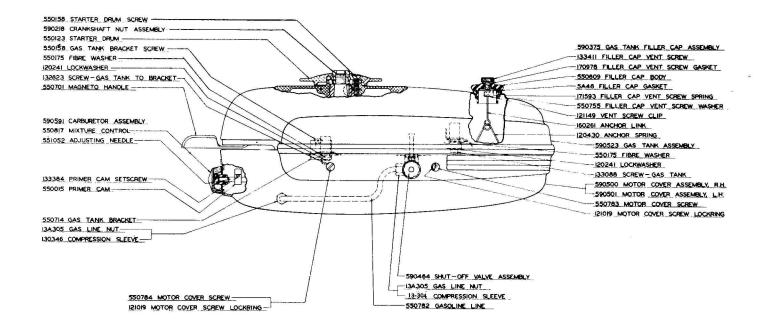




Order By Part Number and Name Giving Motor Model and Serial Number



Order By Part Number and Name Giving Motor Model and Serial Number



REPAIR PARTS

ORDER BY PART NUMBER AND NAME GIVING MOTOR MODEL AND SERIAL NUMBER

Part Number Part Name Part Name Part Number Part Name		
1-141		
3-28 Breaker Assembly Lockwasher. 5-48 Filler Cap Gasket 7-46 Crankcase Cylinder Stud Nut 7-227 Crankcase Cylinder Stud Nut 13-305 Cas Line Nut 13-305 Gas Line Nut 13-365 Male Connector 13-481 Lockwasher 19-136 Nut 19-189 Screw 37-86 Screw 53-85 Oils Slinger 53-85 Oile fand Lead Clamp Mounting Screw 53-85 Oile and Lead Clamp Mounting Screw 53-85 Nut 71-78 Screw 71-471 Nut-Terminal Screw 71-471 Spring Washer Washer 71-1531 Washer 71-1527 Bar Nut-Breaker 71-1582 Fropeller Shaft Gear Key 120-047 Lockwasher 120-140 Lockwasher 120-241 Lockwasher 120-249 Cotter Pin 120-395 Crankshaff Key 120	Number	Part Name
3-28 Breaker Assembly Lockwasher. 5-48 Filler Cap Gasket 7-46 Crankcase Cylinder Stud Nut 7-227 Crankcase Cylinder Stud Nut 13-305 Cas Line Nut 13-305 Gas Line Nut 13-365 Male Connector 13-481 Lockwasher 19-136 Nut 19-189 Screw 37-86 Screw 53-85 Oils Slinger 53-85 Oile fand Lead Clamp Mounting Screw 53-85 Oile and Lead Clamp Mounting Screw 53-85 Nut 71-78 Screw 71-471 Nut-Terminal Screw 71-471 Spring Washer Washer 71-1531 Washer 71-1527 Bar Nut-Breaker 71-1582 Fropeller Shaft Gear Key 120-047 Lockwasher 120-140 Lockwasher 120-241 Lockwasher 120-249 Cotter Pin 120-395 Crankshaff Key 120		
5-48 7-46 7-46 7-46 7-46 7-47 7-24 7-27 11-209 13-304 13-305 13-305 13-365 13-381 10-189 17-38 18-189 18-189 18-28		
7-46 7-227 7-46 7-227 7-27 7-27 7-27 7-27 7-27 7-27 7-		
7-227		i i
11-209	A 12 (20)	
13-305 13-345 13-345 13-345 13-481 19-136 19-137 Nut 19-138 Screw 37-86 41-362 51-65 53-85 Oiler and Lead Clamp Mounting Screw Screw Screw Screw Screw Screw Screw Screw Nut 1-1085 71-1531 71-1531 71-157 71-1582 71-157 71-1582 71-407 120-052 120-110 120-206 120-216 120-241 120-249 120-395 120-395 120-395 Drive Shaft Pinion Gear Key 120-395 Drive Shaft Pinion Gear Key 120-999 121-019 121-129 121-129 121-129 121-129 121-129 121-129 121-129 121-129 121-129 121-129 121-129 121-283 130-837 130-837 130-837 130-837 130-837 130-837 130-837 131-265 131-492 133-848 133-384 133-384 133-384 133-384 130-619 131-165 1sinuer Screw 131-165 1sinuer Screw 131-165 1sinuer Screw 131-165 1sinuer Screw 133-384 130-783 Screw 133-384 Serew Screw	200 10000000 00	
13-305 Gas Line Nut 13-481 10-136 Male Connector 13-481 19-136 Nut 19-189 Screw Screw Screw Screw Gil Slinger Si-65 Lamination Mounting Screw Oiler and Lead Clamp Mounting Screw Nut 1-78 Nut 1-78 Screw Spring		
13-365 Male Connector 13-481 10-136 Nut 19-189 Screw 37-86 Screw 37-86 Coll Slinger 1-362 Coll Slinger 1-363 Coll Slinger 1-365		
13-481	- 100 mm	T
19-136 Nut 19-189 Screw Scre	10 1/24 1/5/2000 NAS	The property of the contract o
19-189 Screw Scr		THE PROPERTY AND ADDRESS OF THE PROPERTY OF TH
37-86	A CO CO CO CO	
13-362		
S1-65	8 5 5 5	2000
S3-85	200 0 10000000	
Nut		
71-78		
71-471		
71-1085	28 cm n n m	
71-1531 Washer 71-1577 Bar Nut-Breaker 71-1582 Terminal Bar Screw 91-407 Propeller Shaft Geor Key. 120-052 Lockwasher 120-216 Lockwasher 120-241 Lockwasher 120-243 Lockwasher 120-249 Cotter Pin. 120-395 Crankshaft Key. 120-430 Anchor Spring. 120-659 Lockwasher 120-981 Float Lock 120-999 Clamp Screw Button 120-999 (Clamp Screw Button 121-019 Lock Ring. 121-020 Breaker Point Feeler Gauge 121-149 Clip. 121-179 Carburetor Strainer Screen. 130-314 Grease Plug. 130-331 Screw. 131-256 Screw. 131-255 Screw. 131-265 Screw. 132-261 Inlet Needle. 132-823 Screw. 133-088 Gas Tank Screw. 133-088 Gas Tank Screw. 133-087 Strainer Plug. 130-261 Anchor Link. 170-336 Float. 170-619 Spring. 170-778 Gasket. 170-978 Gasket. 171-065 Insulation Strip. 171-186 Bushing-Insulation.	A 800 A	
71-1582	71-1531	The office of the control of the con
Terminal Bar Screw	71-1577	Bar Nut-Breaker
120-052	71-1582	Terminal Bar Screw
120-110	91-407	Propeller Shaft Gear Key
120-206 120-216 120-241 120-241 120-249 120-395 120-430 120-659 120-659 120-950 120-970 121-019 121-019 121-179 121-179 130-314 130-837 130-837 130-837 132-823 132-823 132-823 132-823 133-847 133-487 133-487 130-834 130-834 130-837 130-836 130-837 130-	120-052	
120-216	120-110	Piston Spring Ring
120-241	120-206	THE PROPERTY OF THE PROPERTY AND ADDRESS OF THE PROPERTY OF TH
120-249	120-216	
120-395		
120-430 Anchor Spring 120-659 Lockwasher 120-950 Drive Shaft Pinion Gear Key 120-999 Clamp Screw Button 121-019 Lock Ring 121-149 Clip 121-179 Carburetor Strainer Screen 130-314 Grease Plug 130-543 Stud 130-837 Screw 131-256 Screw 131-255 Screw 131-492 Screw 132-351 Inlet Needle 132-823 Screw 133-088 Gas Tank Screw 133-384 Set Screw 133-487 Strainer Plug 160-261 Anchor Link 170-336 Float 170-778 Gasket 170-978 Gasket 171-065 Insulation Strip 171-186 Bushing-Insulation		
120–659 120–813 120–950 120–999 121–019 121–019 121–020 121–149 121–179 121–179 130–314 130–543 130–837 131–256 131–265 131–492 132–351 132–351 132–891 132–823 133–88 133	1	
120-813 Float Lock. 120-950 Drive Shaft Pinion Gear Key. 120-999 Clamp Screw Button 121-019 Lock Ring. 121-149 Clip 121-179 Carburetor Strainer Screen. 130-314 Grease Plug. 130-543 Stud. 130-837 Screw. 131-256 Screw. 131-265 Screw. 131-492 Screw. 132-351 Inlet Needle. 132-823 Screw. 133-088 Gas Tank Screw. 133-884 Set Screw. 133-487 Strainer Plug. 160-261 Anchor Link. 170-336 Float. 170-978 Gasket. 171-065 Insulation Strip. 171-186 Bushing-Insulation.		1
120-950	part of the	THE PROPERTY OF THE PROPERTY O
120-999 Clamp Screw Button 121-019 Lock Ring 121-020 Breaker Point Feeler Gauge 121-149 Clip 121-179 Carburetor Strainer Screen 130-314 Grease Plug 130-543 Stud 130-837 Screw 131-256 Screw 131-265 Screw 131-265 Screw 131-492 Screw Inlet Needle 132-691 Gland Screw 132-823 Screw Gas Tank Screw 133-88 Set Screw Set Screw 133-487 Strainer Plug Strainer Plug 130-261 Anchor Link 170-336 To-619 Spring 170-778 Gasket 171-065 Insulation Strip 171-186 Bushing-Insulation Strip Insulation Insulati		
121-019	Temperature in the A	
121-020 Breaker Point Feeler Gauge. 121-149 Clip		Look Ping
121-149 Clip. 121-179 Carburetor Strainer Screen. 130-314 Grease Plug. 130-543 Stud. 130-837 Screw. 131-256 Screw. 131-265 Screw. 131-492 Screw. 132-351 Inlet Needle. 132-691 Gland. 132-823 Screw. 133-088 Gas Tank Screw. 133-384 Set Screw. 133-411 Vent Screw. 133-487 Strainer Plug. 160-261 Anchor Link. 170-336 Float. 170-778 Gasket. 171-065 Insulation Strip. 171-186 Bushing-Insulation.	The second second second	
121-179 Carburetor Strainer Screen.	Nepresone sessions	
130-314 Grease Plug. 130-543 Stud. 130-837 Screw. 131-256 Screw. 131-265 Screw. 131-492 Screw. 132-351 Inlet Needle. 132-691 Gland. 132-823 Screw. 133-088 Gas Tank Screw. 133-384 Set Screw. 133-411 Vent Screw. 133-487 Strainer Plug. 160-261 Anchor Link. 170-336 Float. 170-778 Gasket. 170-978 Gasket. 171-065 Insulation Strip. 171-186 Bushing-Insulation.	AND MARKET PROPERTY.	
130-543		1
130-837 Screw. 131-256 Screw. 131-265 Screw. 131-492 Screw. 132-351 Inlet Needle. 132-691 Gland. 132-823 Screw. 133-088 Gas Tank Screw. 133-411 Vent Screw. 133-487 Strainer Plug. 160-261 Anchor Link. 170-336 Float. 170-778 Gasket. 170-978 Gasket. 171-065 Insulation Strip. 171-186 Bushing-Insulation.	7. 0	
131–256 Screw. 131–265 Screw. 131–492 Screw. 132–351 Inlet Needle. 132–691 Gland. 132–823 Screw. 133–088 Gas Tank Screw. 133–384 Set Screw. 133–411 Vent Screw. 133–487 Strainer Plug. 160–261 Anchor Link. 170–336 Float. 170–619 Spring. 170–778 Gasket. 171–065 Insulation Strip. 171–186 Bushing-Insulation.		
131–265 Screw. 131–492 Screw. 132–351 Inlet Needle. 132–691 Gland. 132–823 Screw. 133–088 Gas Tank Screw. 133–384 Set Screw. 133–411 Vent Screw. 133–487 Strainer Plug. 160–261 Anchor Link. 170–336 Float. 170–619 Spring. 170–778 Gasket. 171–065 Insulation Strip. 171–186 Bushing-Insulation.		
132–351 Inlet Needle 132–691 Gland 132–823 Screw 133–088 Gas Tank Screw 133–384 Set Screw 133–411 Vent Screw 133–487 Strainer Plug 160–261 Anchor Link 170–336 Float 170–778 Gasket 170–978 Gasket 171–065 Insulation Strip 171–186 Bushing-Insulation		
132-691 Gland. 132-823 Screw. 133-088 Gas Tank Screw. 133-384 Set Screw. 133-411 Vent Screw. 133-487 Strainer Plug. 160-261 Anchor Link. 170-336 Float. 170-619 Spring. 170-778 Gasket. 170-978 Gasket. 171-065 Insulation Strip. 171-186 Bushing-Insulation.	A PERSON NAME OF TAXABLE	
132–823	132-351	
133–088 Gas Tank Screw 133–384 Set Screw 133–411 Vent Screw 133–487 Strainer Plug 160–261 Anchor Link 170–336 Float 170–778 Gasket 170–978 Gasket 171–065 Insulation Strip 171–186 Bushing-Insulation	132-691	
133–384 Set Screw. 133–411 Vent Screw. 133–487 Strainer Plug. 160–261 Anchor Link. 170–336 Float. 170–619 Spring. 170–778 Gasket. 170–978 Gasket. 171–065 Insulation Strip. 171–186 Bushing-Insulation.	200	
133–411 Vent Screw. 133–487 Strainer Plug. 160–261 Anchor Link. 170–336 Float. 170–619 Spring. 170–778 Gasket. 170–978 Gasket. 171–065 Insulation Strip. 171–186 Bushing-Insulation.	NO DESCRIPTION OF STREET OF	
133–487 Strainer Plug. 160–261 Anchor Link. 170–336 Float. 170–619 Spring. 170–778 Gasket. 170–978 Gasket. 171–065 Insulation Strip. 171–186 Bushing-Insulation.	17 200120 000000 000	2000 Mark - 400 Mark - 600 CC 101 CO CC
160–261 Anchor Link. 170–336 Float. 170–619 Spring. 170–778 Gasket. 170–978 Gasket. 171–065 Insulation Strip. 171–186 Bushing-Insulation.		THE BOOK CHARLES IN THE RESIDENCE OF SECURIOR SE
170–336 Float	0.00	
170-619 Spring	1	
170-778 Gasket		
170-978 Gasket	If So Sex 2 2006 01	
171–065 Insulation Strip		
171-186 Bushing-Insulation	1	
	2 2 2 2 2	
1/1-310 Strainer ring Gusker		
10		Situliter Flug Gusker

	· · · · · · · · · · · · · · · · · · ·	
	70 Dec. H1200999 #256.446 20008249994 - 9001,47694 - 470,4760400 47694 2507,484 - 540	- 1
Part		
Number	Part Name	- 1
171-593	Vent Screw Spring	1
195-350	Clamp Screw	
	1 '	
201-527	Pinion	
300-152	Bar Washer Breaker Spring	
300-153	Condenser	
300-154	Washer Breaker & Lamination Screw	- 1
300-268	Oval-Fillister Head Screw	
300-208	Bakelite Washer	1
300-505	Bearing Shim	
300-509	Spring Washer	
300-517	Lead-Coil to Breaker	
300-535	Lead-Coil to Ground	
300-540	Rotor	
300-730	Clip-Safety Cap	
375-134	Breaker Spring Assembly	
375-189	Coil & Lamination Assembly	
375-247	Oiler Assembly	
510-055	Push Rod	
550-015	Primer Cam	l
110000000000000000000000000000000000000	E. M. Managarana Approximate of the state of the stat	
550-024	Carburetor Intake Cover	
550-025	Propeller Shaft Water Seal Disc	
550-026	Propeller Shaft Water Seal Spring	
550-030	Throttle Lever	
550-037	Crankcase Gasket	
550-040	Water Pump Rotor	
	Propeller Shaft Water Seal Seat	
550-053		
550-054	Propeller Shaft Water Seal Packing Cup	
550-058	Screw	
550-071	Stud, Lower Unit	
550-074	Cylinder Stud	
550-076	Drive Shaft Housing Dowel Pin	
550-080	Propeller Shaft Gear Pin	
550082	Eccentric Pin	
550-085	Eccentric	
550-099	Drive Shaft Water Seal Bushing	
550-100	Propeller Shaft	
550-101	Screw	
550-107	Propeller Shaft Water Seal Packing	
550-108	Gear Housing Gasket	
550-117	Crankshaft	
550-123	Starter Drum	
550-130	Throttle Cam Spacer-Short	
550-149	Handle Grip	
550-158	Screw	
550-168	Lower Unit Gasket	
550-175	Washer	
	Propeller	
550-193	14-00.0 CON#00-00-0000 CO 00 00	
550-201	Screw	
550-259	Packing	
550-261	Reed-Lower	
550-262	Reed Binding Plate	
550-263	Reed Binding Plate	
550-271	Reed Upper	
550-274	Propeller Nut	
550-275	Throttle Valve	
550-276	Cover-Throttle Valve	1
550-280	Adjusting Screw	
550-314	Piston Ring	
550-315	Piston Pin	
	The second section of the section of the section of the second section of the section of t	
550-316	Gasket	1

REPAIR PARTS

ORDER BY PART NUMBER AND NAME GIVING MOTOR MODEL AND SERIAL NUMBER

Part Number	Part Name	Price
Tabilibei	Tan Name	Title
550-320	Propeller Shaft Gear	4.50
550-339	Throttle Cam Spacer	.05
550-352	Clamp	.05
550-387	Propeller Shaft Thrust Washer	.20
550-405	Spring	.05
550-415	Screw	.025
550-434	Tube-Water	.60
550-435	Drive Shaft	5.00
550-436	Stud-Gear Housing	.45
550-437	Nut-Drive Shaft Housing	.025
550-438	Snap-on Cover	.05
550-439	Lower Housing Drive Shaft	5.00
550-440	Screw-Lower Housing	.05
550-452	Cover Plate Gasket	.10
550-454	Cover Plate	.85
550-455	Thrust Washer-Upper	.05
550-456	Bushing-Upper Pivot Bearing	.65
550-457	Bushing-Lower Pivot Bearing	.65
550-458	Thrust Washer-Lower	.025
550-459	Cam-Reverse Lock	.20
550-494	Stud	.15
550-565	Cotter Pin	.025
550-609	Filler Cap Body	.30
550-701	Magneto Handle	.75
550-714	Gas Tank Bracket	.20
550-755	Filler Cap Vent Screw Washer	.025
550-782	Gasoline Line	.35
550-783	Motor Cover Screw	.025
550-784	Motor Cover Screw	.025
550-788	Water Seal-Upper Drive Shaft	.05
550-805	Carburetor Bowl Cover	.10
550-817	Mixture Control	.45

Part Number	Part Name	Price
550-843	"O" Ring	
550-861	Shear Pin	
551-052	Adjusting Needle	
551-064	Steering Handle	
551-065	Steering Handle Bushing	
551-066	Spring Washer	
551-080	Drive Shaft Seal Washer	
551-094	Screw	
551-095	Nut	
551-100	Carrying Handle	
551-140	Lock Washer	
580-016	Breaker Assembly	
590-007	Connecting Rod Assembly	
580-027	Breaker Bracket	
590-018	Gear Housing Cap Assembly	
590-019	Gear Housing Cap Cover Assembly	
590-123	Starter Rope	
590-177	Gear Housing Assembly	
590-186	Piston	
590-189	Armature Plate Assembly Less Handle	
590-195	Carburetor Body Single	
590-211	Cylinder Block Assembly	
590-218	Crankshaft Nut	
590-229	Flywheel	
590-230	High Tension Lead Assembly	
590-251	Pivot Bearing & Stern Bracket Assembly	
590-255	Manifold & Tube Assembly	
590-291	Lower Crankshaft Bearing	
590-375	Gas Tank Filler Cap Assembly	
590-464	Shut-off Valve Assembly	
590-500	Motor Cover Assembly, R. H	
590-501	Motor Cover Assembly, L. H	
590-523	Gas Tank Assembly	ľ
590-591	Carburetor Assembly	
590-635	Crank Case Assembly	

TROUBLE CHART

The following chart aims to provide an outline for the systematic tracing down of trouble with the least amount of effort. Finding the cause of trouble usually suggests the remedy.

MOTOR WON'T START

GASOLINE TROUBLE

Tank empty.

Shut-off Valve closed.

Carburetor flooded, if motor is warm.

Mixture too thin, if engine is cold.

Too much oil mixed with gasoline.

Water in carburetor, tank or strainer.

Pipe clogged.

Spray nozzle or feedhole in carburetor clogged.

Vent in filler cap closed.

NO SPARK

Wire to contact screw disconnected.

Wire to spark plug disconnected.

Water, oil, or carbon on magneto breaker points.

Magneto breaker points do not come together when flywheel is revolved.

Magneto breaker points do not separate when flywheel is revolved.

SPARK PLUG FAULTY

Fouled with carbon, oil or moisture.

Porcelain cracked.

Center pole loose.

Points not properly adjusted—should be apart .025

MOTOR OVERHEATS—

Lack of oil or water.

Wrong propeller.

MOTOR KNOCKS-

Flywheel nut loose.

Carbon in cylinders (caused by too much oil in gaso-

line).

Motor too hot, causing pre-ignition.

Bearings loose or worn.

Piston or cylinder worn.

MOTOR IS STIFF OR CRANKS HARD-

Rust in cylinders.

Bearings out of line.

Crankshaft bent.

Gear shaft bent.

No grease in gear case.

WATER STOPS CIRCULATING-

Obstruction in water intake.

Leak at water pipe connections.

Broken water pipe.

Motor not setting deep enough in water.

Worn pump rotor.

POOR COMPRESSION-

Piston rings carbonized and stuck in groove. Cylinder scored.

MOTOR MISSES-

WIRING

Broken or loose wiring.

Poor insulation.

Wires short circuited with moisture, oil or foreign material.

MAGNETO

Breaker points corroded.

Breaker points improperly spaced.

Weak coil.

Weak condenser.

Weak magneto.

Foreign matter or oil on breaker points.

CARBURETOR

Foreign matter in spray nozzle or needle valve or feed

Gasoline line restricted.

Water or foreign matter in carburetor strainer.

Water in carburetor.

MOTOR LOSES POWER—

IMPROPER MIXTURE

Too rich (will slow down).

Too thin (will backfire or "spit" as well as slow down).

LACK OF COMPRESSION

Improper gas and oil mixture.

Scored cylinders.

Worn rings.

MOTOR RUNS BUT PROPELLER DOES NOT REVOLVE—

Propeller pin sheared off.
Broken drive on Propeller shaft.

MOTOR VIBRATES -

Faulty ignition.

Loose pivot bearing.

Bent propeller wheel.

Motor loose on boat.

MOTOR RUNS BUT BOAT MAKES LITTLE OR NO PROGRESS—

Propeller blades bent.

Rope or other obstruction dragging in water.

Weeds on propeller.