Operating Instructions

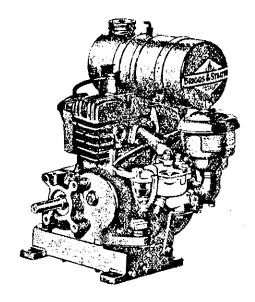
Adjustment and Repair Information • Parts List

PRICE 10c EACH

MODELS

"I"—"IL"—"ILR"—"IP"—"IR"—"IS"

TYPE NUMBERS FROM 206150 TO 206528 AND 207000 TO 207303



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Read these instructions carefully before operating this Motor for the first time.

Guessing how to run it may cause you unnecessary inconvenience, aggravation or failure to receive the fine service that is built into it.

There is a right way to operate this Motor. This book tells you how.

Each Motor is carefully tested and adjusted at the factory before packing for shipment, and if correctly operated will perform beyond your expectations.

DO NOT START THIS MOTOR UNTIL YOU HAVE READ CAREFULLY THE "STARTING AND OPERATING INSTRUCTIONS" ON PAGE 3



IMPORTANT SAFETY INFORMATION AND

INSTRUCTIONS FOR

ENGINE SELECTION ENGINE INSTALLATION ENGINE OPERATION

In the USA and Canada, our 24 hour hotline is:

18002333723

Briggs & Stratton Corporation Milwaukee, Wisconsin 53201

www.briggsandstratton.com

Keep these instructions for future reference.



Before installing and operating this engine read and observe all warnings, cautions and instructions on both sides of this sheet, on the engine, and in the operating & maintenance instructions.

NOTE: This sheet of instructions and safety information is not meant to cover all possible conditions and situations that may occur. Read entire Operating & Maintenance Instructions for this engine AND the instructions for the equipment this engine powers. Failure to follow instructions and safety information could result in serious injury or death.

The safety alert symbol is used to identify safety information about hazards that can result in personal injury.

A signal word (DANGER, WARNING, or CAUTION) is used with the alert symbol to indicate the likelihood and the potential severity of injury. In addition, a hazard symbol may be used to represent the type of hazard.



DANGER indicates a hazard which, if not avoided, will result in death or serious injury.



WARNING indicates a hazard which, if not avoided, could result in death or serious injury.



CAUTION indicates a hazard which, if not avoided, might result in minor or moderate injury.

CAUTION, when used without the alert symbol, indicates a situation that could result in damage to the engine.

HAZARD SYMBOLS AND MEANINGS Moving Parts Fire **Explosion** additiblita Hot Surface Toxic Fumes Kickback

ENGINE SELECTION



Failure to select the correct engine could result in fire or explosion.

 Some engines are unique and designed for specific applications or types of equipment. If this engine will be used to build new equipment, contact Briggs & Stratton to ensure that the engine is appropriate for the intended use.

Note: For all Go-karts use only a model 136200 series engine, which offers improved safety and performance.

 Replacement engines should be the same model as the original engine, or be the Briggs & Stratton designated replacement engine. Refer to the Operation & Maintenance Instructions for engine identification information.

Note: For all Go-karts use only a model 136200 series engine, which offers improved safety and performance.

 Do not use Briggs & Stratton engines on 3-wheel All-Terrain Vehicles (ATVs), motor bikes, air craft products, or vehicles intended for use in competitive events. Briggs & Stratton does not approve of or authorize such uses.

ENGINE INSTALLATION

- [1] Do not attempt to install this engine if you do not have the appropriate tools and knowledge of small engine installation procedures. Use only Briggs & Stratton parts. Contact your Authorized Service Dealer for assistance.
- [2] Do not modify the engine in any way without Briggs & Stratton factory approval. Any such modification is at the owner's sole risk
- [3] If the exhaust system on the old engine was supplied by the equipment manufacturer, you must transfer the exhaust system and related components (original muffler and related pipes, brackets, clamps, and shields) to the new engine. All components must be in good condition.



Install muffler (and muffler deflector if used) so outlet points away from operator, fuel tank, and equipment, and so muffler heat will not damage or deform engine and components.



Ensure all fuel lines and fittings are properly assembled and do not leak. Replacement parts must be the same model as the original.



Ensure all wiring, including safety switches and engine shut-off components are completely installed and functioning properly.

[7] Set engine speed to equipment manufacturer's specification. Refer to equipment manufacturer's manual. Do not tamper with governor springs, or other parts that will increase engine speed above specification.



All engine parts, including fuel cap, spark plug, muffler, air cleaner, and covers and guards for drive components (gears, belts, shafts, couplings, etc.) must be in place before attempting to start engine.



If engine is installed on walk behind lawn mower, all mower components, including cutting blade, must be correctly installed before attempting to start engine.



When working on the engine or equipment, remove spark plug wire from spark plug. For electric start, remove negative wire from battery.



Do not check for spark with spark plug removed. Use Briggs & Stratton spark tester #19368.

ENGINE OPERATION







When adding fuel:

Turn engine off and let engine cool at least 2 minutes before removing gas cap.

Fill fuel tank outdoors or in well-ventilated area. Fill tank to about 1 inch below lowest portion of neck to allow for fuel expansion.

Keep gasoline away from sparks, open flames, pilot lights, heat, and other ignition sources.





When starting engine:

Remove all external equipment/engine loads.

Wait until spilled fuel is evaporated. Start engine outdoors.

Pull cord slowly until resistance is felt, then pull rapidly.

If engine floods, set choke to OPEN/RUN, place throttle in FAST and crank until engine starts.





When operating equipment:

Do not tip engine or equipment at angle which causes gasoline to spill.

Run engine outdoors. Do not run in enclosed area, even if doors or windows are open.

Do not choke carburetor to stop engine.

Starting and Operating Instructions

	Paragraph
Before Starting the Motor	
How to Start	

How to Stop...... 4
General Data 5

1. BEFORE STARTING THE MOTOR. Fill the crankcase with Mobileil Arctic or any other high grade oil not heavier than S. A. E. No. 20 for operating motor in temperatures of 32° F. or above. For temperatures below 32° use Mobileil "Arctic Special" or other high grade oil not heavier than S. A. E. No. 10W.

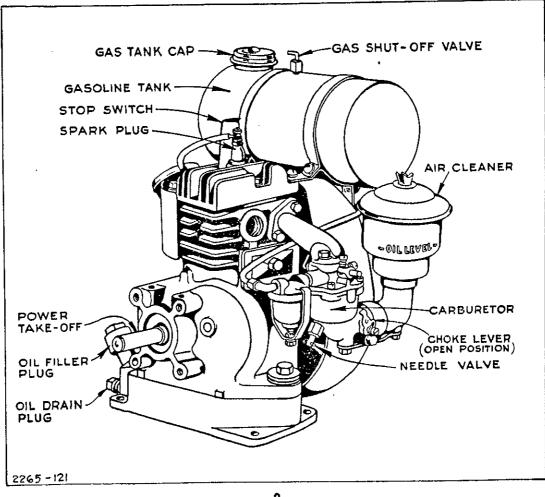
The oil filler plug is painted blue and is located on top of motor base. With the motor level remove filler plug and pour oil in opening until it rises to the level of the filler plug opening. Crankcase holds one pint. Fill air cleaner with oil of the same viscosity as used in the crankcase to the indicated oil level. See paragraph 57. Fill the gas tank with a good clean third grade gasoline. Tank holds two quarts. Do not mix oil and gasoline. See paragraphs 11 to 19.

- 2. HOW TO START. Open gas shut-off valve on top of gasoline tank, turn valve to left. Completely close carburetor choke by turning lever in a clockwise direction.
- (A) ROPE STARTER. Wind the starting rope clockwise around the starter pulley, with knot in the pulley notch. Pull the rope

with a quick steady pull to spin the magneto flywheel and prime the motor. After motor has been primed, open choke about half-way to start. As motor warms up, gradually open choke valve until motor operates smoothly with the choke wide open. Operate the choke the same as you would on an automobile. (A warm motor does not require as much choking as a cold motor.) See paragraph 21.

- (B) FOOT OR HAND LEVER STARTER. Step down on pedal or pull hand lever quickly with choke closed to prime the motor. Then operate choke as in paragraph 2A.
- 3. FAILURE OF MOTOR TO START. COLD WEATHER causes the oil in crankcase to become thick and the gasoline less volatile. Should you experience trouble in starting, we suggest that you give your motor a little extra priming. Also be sure that the spark plug points are clean and the gap set at .025". See plate No. 5. If motor fails to start after a reasonable number of trials do not make any adjustments until you have studied the instructions referred to in the Servicing Reference Chart, on page 4.





Servicing Reference Chart

MOTOR OVERHEATS MOTOR FAILS TO START Paragraph Out of Gasoline..... 1-18 Oil Needs Changing..... 14-15 Out of Oil1-13-54-55 Oil Too Heavy...... 14-15 Dirt or Gum in Fuel System......16 to 19 Incorrect Use of Choke..... Corbon Spark Plug Dirty...... 30-31 Muifler Clogged 58 ignition Cable Grounded...... 59 MOTOR LACKS POWER Poor Compression42 to 51 Air Cleaner Clogged..... MOTOR STOPS Out of Gasoline..... Corbon Air Cleaner Clogged..... 57 58 Air Cleaner Clogged...... Muffler Clogged Overloaded Motor Overloaded

Instructions for Adjustment and Repair

•	Paragra	ph	
Operating Requirements			Ţ
How a 4-Cycle Motor Operates			٨
Keep the Motor Clean			Т
Use the Right Kind of Oil			Ť
Add Oil Regularly			÷
Change Oil Frequently			ċ
Use Clean Gasoline			č
Avoid Gummy Gasoline			
To Clean the Fuel Lines			٧ -
Correct Use of the Choke			Č
To Prime the Motor			P
To Adjust the Carburetor			P
To Remove and Replace Carburetor.			P
To Clean Carburetor			
Governor-Correct Motor Speed			C
Governor Speed Adjustment			C
The Ignition System			C
To Check for Spark			F
Spark Plug Adjustment			٨
Ignition Cable			Ċ
To Remove and Replace Flywheel			P
To Kemove and Keplace Flywheel		J.J	•

- 4. HOW TO STOP. Press the stop switch mounted on the cylinder head against the end of the spark plug. Hold it until motor stops firing. This will ground the spark.
- 5. GENERAL DATA. You will find your motor substantially built. It is made of high grade materials by skilled workmen, in a factory fully equipped with the most modern machinery. Before it was shipped, it received many tests and careful inspections.
- 6. Your motor will give you better service if you do not tinker with it. This does not mean, however, that it does not require a certain amount of attention. Give it the right kind of fuel, oil and

Paragraph
To Remove and Replace Magneto Assembly 35
Magneto Timing 36
To Adjust and Clean Contact Points 37
To Replace Condenser
To Replace and Adjust Armature 40
Cylinder Head 42
Compression
Valve Adjustment 44
Crankshaft
Piston 49
Piston Rings
Piston Pin 52
Connecting Rod 53
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Parts

care. Keep it clean both inside and out. You will be well repaid in trouble-free, satisfactory service.

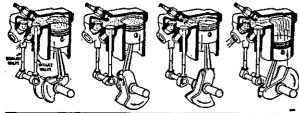
- 7. If you should experience any difficulty, follow the instructions referred to in the **Servicing Reference Chart** above. If you cannot easily remedy it, consult your dealer or a nearby Briggs & Stratton Authorized Central Service Distributor. See page 23.
- 8. OPERATING REQUIREMENTS. A gasoline motor to operate properly must have all parts in correct adjustment to provide good ignition, carburetion, compression and cooling. And of equal importance, the oil and gasoline used must be clean and of recom-

mended grades. The following instructions fully explain the simple adjustments and offer operating recommendations that will assure you of complete satisfaction. We urge you to carefully observe them.

\$. The reliability, economy and ease of starting which characterize this motor are due in part to the fact that it is of the 4-stroke cycle design commonly called "4-cycle," the same design used in all automotive motors. As the name indicates, there are four strokes to one complete power cycle.

10. HOW A 4-CYCLE MOTOR OPERATES. On the intake stroke the piston goes down, producing a vacuum in the cylinder, thereby drawing fuel up through the carburetor so that the space above the piston becomes filled with combustible gas. During this stroke the intake valve is open. Next the piston comes up on the compression stroke with both valves closed. At the top of the compression stroke a spark occurs at the spark plug, firing the highly compressed gas. This produces an explosion above the piston which forces it down on the power stroke. Both valves are closed. On the next upstroke of the piston, called the exhaust stroke, the exhaust valve is open, and the burned gases driven out. See plate No. 2.

The 4-Stroke Cycle --- Plate No. 2



INTAKE STROKE

Illu

Wc

No

COMPRESSION STROKE

POWER STROKE EXHAUS

EXHAUST STROKE

- 11. KEEP THE MOTOR CLEAN. It will pay you to keep your motor clean both inside and outside. See that no dirt or water enters motor when filling with oil or gasoline. As a precautionary measure always wipe off the gasoline cap and oil filler plug, as well as around them before refilling. Dirt in the motor or gasoline tank will cause trouble and even serious damage. Also be sure to remove any dirt or grass that may accumulate in the flywheel or between cylinder fins.
- 12. USE THE RIGHT KIND OF OIL. Correct lubrication is important. We recommend the use of MOBILOIL "ARCTIC" or other high grade oil with similar characteristics having a low carbon residue and a body not heavier than S.A.E. No. 20 for operating motor in temperatures of 32° F. and above. For temperatures below 32° F. use Mobiloil "Arctic Special" or other high grade oil not heavier than S.A.E. No. 10W.
- A heavier oil which might be satisfactory in a tractor or for lubricating farm machinery must NOT be used. Do not mix oil with the gasoline. This 4-cycle motor is provided with an independent efficient pump lubrication system which forces a stream of oil to all moving parts of the motor. There are no external parts which require separate oiling.
- 13. ADD OIL REGULARLY. A motor which is run without oil will be ruined within a few minutes. To avoid the possibility of such an occurrence and the resulting expense, always fill the oil reservoir at the blue plug to the top of the filler plug opening after each five hours of motor operation. Capacity of oil reservoir is 1 pint.
- 14. CHANGE OIL FREQUENTLY. After every twenty-five hours of motor operation, the oil should be completely drained from the

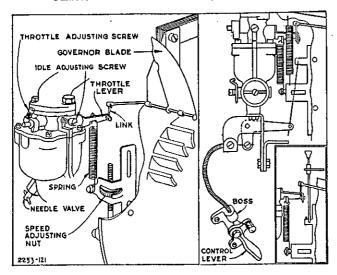
crankcase. Do not remove motor from its mounting base. Remove the yellow oil drain plug, located at either end of motor base, and let the oil flow into a pan or other receptable you use. We do not recommend flushing out with kerosene. Replace the drain plug, refill with fresh oil and replace the blue filler plug.

- 15. In the normal running of any motor, small particles of metal from the cylinder walls, pistons and bearings will gradually work into the oil. Dust particles from the air also get into the oil. If the oil is not changed regularly these foreign particles cause increased friction and a grinding action which shortens the life of the motor. Sludge, a gummy mass, forms which clogs up the oil passages. Fresh oil also assists in cooling, for old oil gradually becomes thick and loses its cooling as well as its lubricating qualities.
- 16. USE CLEAN GASOLINE. A good grade of clean, fresh gasoline is recommended. Too high test gasoline may form vapor-lock in gas line when motor gets hot. This interrupts the flow of gasoline and causes motor to stop. Be sure that the small vent hole in the gasoline tank cap is not clogged up, for air must enter the tank to allow the gasoline to flow to the carburetor. Test by blowing through top of cap. See paragraph 18.
- 17. AVOID GUMMY GASOLINE. If you experience trouble with a gummy, sticky substance with a peculiar sharp obnoxious smell, change to another grade of gasoline. This gum comes from the gasoline and clogs carburetor, gas line, gasoline tank, etc. You can check your gasoline by evaporating a half pint in an open dish. If a quantity of gum remains, try another kind that is clean and fresh.
- 18. YOU CAN AVOID MOST TROUBLE FROM GUM IF YOU WILL KEEP THE TANK FULL WHEN YOU ARE NOT USING THE MOTOR. If you use it only occasionally, drain tank completely and refill when motor is used again. The reason for this is that evaporation of stale gasoline causes most gum deposits.
- 19. TO CLEAN THE FUEL LINES. Close the gas shut-off valve on top of gas tank, turn valve to right. Disconnect gas line at gas filter and also at the gas tank. Blow through the gas line to clear it. To clean the gas filter, loosen thumb screw below gas filter bowl. Remove and clean filter bowl and screen. Blow through the gas passage in the cover. Open shut-off valve to see if gascline flows freely from the tank. IMPORTANT: If you find a gummy, varnish-like substance use alcohol or acetone to dissolve it. See paragraphs 17 and 18.
- 20. CORRECT USE OF THE CHOKE. The correct carburetor setting (see paragraph 23) gives the motor the best mixture to run on when it is hot. For starting, it is necessary to choke the carburetor to get a rich mixture, because cold gasoline does not vaporize readily. A warm or hot motor requires very little choking. Until you become familiar with your motor, however, you may make the mistake of not choking the carburetor enough or you may choke it too much. If motor fails to start after cranking three or four times with the choke closed, try cranking two or three times with the choke part-way down and then all the way down, or open. Use motor choke the same as you use an automobile choke.
- 21. TO PRIME THE MOTOR. The motor may fail to start for the reason that either the carburetor is incorrectly adjusted or dirty, or the fuel line is dirty or clogged, or you are out of gasoline. To determine the cause, prime the motor by removing the spark plug and pour a half teaspoonful of gasoline into the spark plug opening. Replace the spark plug and crank the motor. If it fires for three or four revolutions and stops, the difficulty is definitely in the fuel system. See paragraphs 19, 22 to 26. If motor will not

fire at all, check the ignition system, see paragraphs 29 to 41, also compression, paragraphs 42 to 51.

- 22. TO ADJUST THE CARBURETOR. The comburetor on this motor is of the gravity type. The gasoline supply is regulated by a needle valve. The throttle is automatically controlled by the governor, see paragraphs 27 and 28.
- 23. To adjust the carburetor, completely close needle valve by turning to right or clockwise as far as possible. Do not screw up too tight or use force when closing needle valve, or needle valve may be damaged. From closed position, open needle valve one-half to three-quarter turn. After the motor has been started and warmed up make final adjustment with the choke wide open by turning the needle valve to the point at which motor operates most smoothly with full load. This setting will also take care of starting with use of the choke. When starting cold motor, if it is necessary to keep choke partially closed several minutes before motor runs smoothly, carburetor setting is too lean and needle valve should be opened a notch or two—turn to left. For governor adjustments see paragraphs 27 and 28.
- 23A. The idle adjustment screw setting is about half to three quarters of a turn open. Do not force screw against seat or you will damage both. See plate No. 3.
- 24. The throttle lever adjustment screw is set at the factory to permit an idling speed of about 1600 R.P.M. We do not recommend adjusting the throttle to bring the speed lower. If you want to idle the motor at a higher speed than 1600 R.P.M. turn the throttle lever adjusting screw to the right or in a clockwise direction.
- 25. TO REMOVE AND REPLACE CARBURETOR. Close shut-off valve on top of gas tank, disconnect gasoline line from gas filter, loosen carburetor brace screw at base, remove brace screw from carburetor and air-cleaner elbow. Remove air-cleaner and elbow, unhook throttle and control return spring, loosen carburetor and unhook throttle link. To replace, reverse the operations as performed above.

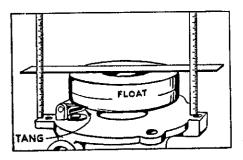
Carburetor and Governor Hook-Up --- Plate No. 3



26. TO CLEAN CARBURETOR. Remove it from the motor as explained in the previous paragraph. Remove gas line connector elbow. To disassemble carburetor, FIRST remove needle valve, stuffing box nut, packing nut gland and nozzle. Then remove screws and lockwashers from the upper carburetor body. CAUTION: The upper and lower bodies are interlocked by the nozzle and failure to disassemble in above order will result in damaged parts. To check inlet valve and seat, pull out brass pin holding carburetor float. A worn or dirty inlet valve and seat or incorrect

float level will cause carburetor to leak. In reassembling, float should be in a horizontal position when it closes inlet valve anseat. To check float, invert upper carburetor body and place a scale or a flat straight piece of steel across carburetor float ansee that distance from top of float to carburetor body flange is equal at both sides of float. See plate No. 3A. The float hing tang can be bent to attain proper position of float. If any part are gummy, clean them in alcohol or acetone. Blow through a passages and openings. Do not use wire to clean out small holes Replace worn or damaged parts.

Carburetor Float Position - Plate No. 3A



27. GOVERNOR—CORRECT MOTOR SPEED. The speed of you motor is automatically maintained under varying loads by pneumatic governor. It is operated by the air current blown be the flywheel. The governor was carefully adjusted at the factor to maintain normal speed under load. Do not re-adjust unless absolutely necessary. Recommended operating speed is from 260 to 4000 R. P. M.—the speed is controlled by a hand throttlin device. Adjust carburetor for best performance.

28. GOVERNOR SPEED ADJUSTMENT:

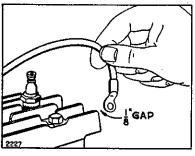
- A. Fixed Speed Control. A speed adjuster is located beneat carburetor on magneto plate. To increase motor speed turn speed adjusting thumb nut down. The speed adjusting should be set so that motor will run 3500 R.P.M. withough for normal operating conditions. To decrease speedurn thumb nut up. See plate No. 3.
- B. Manual Speed Control. To increase motor speed pull levso that swivel moves away from control lever boss. To d crease speed push lever so that swivel moves toward co trol lever boss. See plate No. 3. To remove or replace governor parts, see paragraph 25.

Some models are equipped with a hand governor control. 'increase motor speed pull up on knob, to decrease speed purknob down. See insert in plate No. 3.

- 28. THE IGNITION SYSTEM. The spark is produced by a higheston magneto consisting of armature, condenser, contact point and rotating magnets cast in a flywheel. This is a simple se contained system which is very reliable. It also does away wi batteries. The agnition current is sent into the motor cylind through the ignition cable and spark plug. The magneto itself a well as the cable and spark plug must all be in proper conditional adjustment to insure a good hot spark.
- 30. TO CHECK FOR SPARK. To prove that a satisfactory spa is being delivered by the magneto, remove the ignition cable from the plug. Hold ignition cable terminal about 1/6" from any met part of the cylinder head (keep hand on insulated part of the cable to avoid a shock). Turn motor with starter, and if the spa jumps this gap the entire ignition system, with the exception the spark plug, is O. K. See plate No. 4. (To check spark plug)

Checking Spark Plate No. 4

Spark Ping Plate No. 5





see paragraph 31.) If no spark, check cable, see paragraph 32. and refer to magneto adjustments paragraphs 33 to 41.

- 31. SPARK PLUG ADJUSTMENT. Spark plugs should be cleaned and points reset to .025" after each 100 hours of operation. See plate No. 5. Points burn away in service. The porcelain is to prevent the spark from jumping anywhere except at the gap, and if cracked or broken it will prevent the plug firing. Water on the outside of the spark plug may permit the high voltage current to leak over the surface of the porcelain. Dirt or carbon on it will do the same thing. The spark plug can be cleaned by washing off the carbon with gasoline or kitchen scouring powder. Points should be scraped or sand-papered. See plate No. 5. Always keep a new plug on hand. We recommend the use of Champion No. 18 or its exact equivalent. When reassembling spark plug to cylinder head put a little graphite grease on threads. Do not get grease on points.
- 32. IGNITION CABLE. Insulation must not be broken or socked with oil or water or grounded in any way where it touches the

Removing Flywheel Plate No. 6

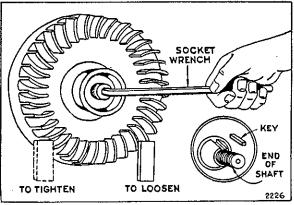


Fig. 1

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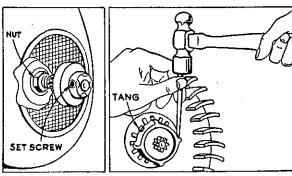


Fig. 2 Fig. 3

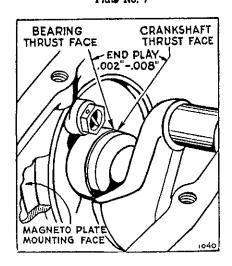
motor, or it will interfere with good ignition. To check cable all the way to magneto it is necessary to remove blower case. Ignition cable should be securely wound to the secondary terminal loop of the coil. See plate No. 9.

- 33. TO REMOVE AND REPLACE FLYWHEEL. The flywheel is securely mounted to the crankshaft by means of a taper fit, a key, a LEFT-hand nut and spring washer, or a threaded clutch housing and locking plate.
- A. Rope Starter Motors. Remove the blower housing. Bolt or clamp motor to work bench. Place a wood block under flywheel fin on right side of flywheel or a small rod between fins to hold it rigid and prevent turning as you loosen nut. See Fig. 1, Plate No. 6. Use large wrench, 10 inch or bigger. To start nut to the RIGHT tap end of wrench handle lightly with hammer. Tap carefully or a broken fin may result which will throw flywheel out of balance. After nut is removed, loosen flywheel by placing the wood block against end of crankshaft and striking with a hammer. Pull off flywheel.
- B. Hand Lever and Foot Starter Motors. On models with die cast clutch housing and starter pinion on side toward motor, remove starter assembly, loosen set screw and slip clutch housing from shaft, remove blower housing and proceed to remove flywheel as in "A." See Fig. 2, Plate No. 6.

On models with cast iron clutch housing and starter pinion away from motor, remove starter assembly and blower housing. Bend locking tang out of clutch housing recess with screw driver. To remove clutch housing from type No. 206195, tap to right with a punch and hammer; then proceed to remove flywheel as in "A." See Fig. 3, plate No. 6. On all other types of this model, place wooden block on left side of flywheel and tap clutch housing to left to loosen.

- 34. To reassemble, locate flywheel on cramkshaft with key and install spring washer with the hollow or concave side next to the flywheel. Turn nut to LEFT until tight. Then use block under fin on left side of flywheel or rod between fins to hold flywheel rigid and draw nut or clutch housing very tight by tapping with hammer.
- 35. TO REMOVE AND REPLACE MAGNETO ASSEMBLY. After removing the flywheel as explained in paragraph 33, remove magneto point dust cover. If carburetor has not been removed, it is not necessary to do so. Remove governor air vane from armature. Unhook governor spring from speed adjusting slide plate. Detach

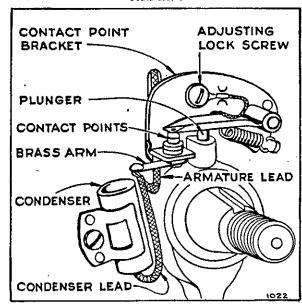
Correct End Play Plate No. 7



ignition cable from spark plug. Remove four magneto plate mounting screws. To replace, use same gasket between plate and crankcase, or if damaged, a new gasket, see part number 67307, 67597, 67607 for proper thickness to get correct end play of .002" to .008" between magneto bearing and crankshaft thrust faces, as shown in plate No. 7. Use lockwashers under mounting screws.

- 36. MAGNETO TIMING. The magneto assembly is always correctly timed with the motor when the flywheel is assembled to the tapered crankshaft with a key and securely held in place with left hand threaded nut. Do not attempt to change the timing by relocating any parts or filing crankshaft timing flat. Always use soft key part No. 61760. If steel key is used and flywheel becomes loose it will damage the keyway in the crankshaft.
- 37. TO ADJUST AND CLEAN CONTACT POINTS. Remove blower housing, flywheel and magneto point dust cover. Turn crankshaft by hand to see if contact points open and close properly. Points must be clean and line up squarely to make good electrical contact. Do not use a steel file on contact points use a carborundum contact point file. Adjust gap to .020" by loosening the adjusting lock screw and moving contact point bracket up or down. When proper gap is obtained tighten lock screw securely. If either or both points become badly pitted or burned and need replacement, always order complete assembly Part No. 29667.

Contact Points and Condenser Plate No. 8

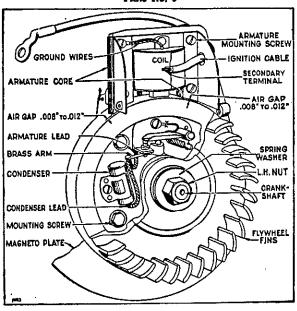


- 38. TO REPLACE CONDENSER. A leaky or weak condenser may cause the motor to start hard, to sputter or misfire under load. If motor misfires after checking gasoline line, carburetor, spark plug, cable and contact points, install a new condenser. Both the condenser lead and armature lead must be soldered to brass arm, see plate No. 8. Be sure to push condenser lead down between condenser and hub of magneto plate so it cannot rub against flywheel.
- 39. If after new condenser has been installed the ignition system still does not deliver a satisfactory spark, we recommend sending the complete magneto unit including the flywheel to the nearest Briggs & Stratton Central Service Distributor listed on page 23 for proper adjustment.
- 40. TO REPLACE AND ADJUST ARMATURE. Remove primary armature lead wire of coil from brass arm on contact bracket. Remove high tension ignition cable from secondary terminal loop

in coil. Unscrew four armature mounting screws. After installing new armature be sure that condenser lead wire and armature lead wire from coil are soldered to brass arm an contact bracket See plates Nos. 8 and 9. Replace mounting screws, inserting loop of ground wires under screw and draw screws up tight.

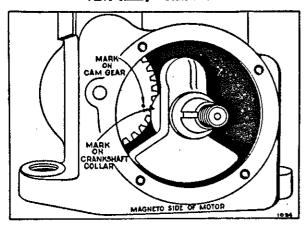
41. Air gap of .008" to .012" must be maintained between arma ture core ends and flywheel. Gap must only be sufficient to prevent rubbing, but not over .012", or poor ignition will result. To adjust gap to proper clearance, loosen the four armature mounting screws, slide armature assembly up and place correct feeler gauge or three thicknesses of newspaper between rim of flywhee and armature core ends. Lower armature assembly until core ends rest on gauge or paper and tighten mounting screws se curely. See plate No. 9.

Complete Magneto Assembly Plate No. 9



- 42. CYLINDER HEAD. The cylinder head is held on with six cap screws. When the cylinder head has been removed for the purpose of cleaning carbon or grinding valves, care should be used in replacing it. Use a new gasket if possible. Otherwise, clean the old one and coat both sides with aup grease. We do not recommend the use of shellar on cylinder head gaskets. Tighten each cap screw a little at a time so that the cylinder head is pulled down evenly. Screws need be only moderately tight.
- 43. COMPRESSION. Proper compression is obtained when valves seat properly, gaskets do not leak, and piston and rings are properly fitted. When tuning up a motor, it is always well to check compression. This is done by turning the motor over quickly by hand. If turned slowly sticky valves may not be detected. If a point of resistance is offered every other revolution, compression should be satisfactory. If motor turns over without compression resistance for a full cycle, it is possible that a worn piston or piston rings, leaky valves or leaky gaskets are present. See that spark plug has a gasket under it and is drawn up tight. Also check cylinder head gasket and tighten cylinder head bolts.
- 44. VALVE ADJUSTMENT. To check valve clearance remove valve cover plate. The correct clearance on the exhaust valve is .014" to .016", and on the intake valve .007" to .009" when motor is cold. Tappet clearance is adjusted by grinding required amount from end of valve stem. End of stem must be square with stem proper.

Valve Timing — Plate No. 10

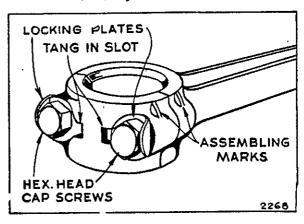


- 45. To remove valves, remove cylinder head, and if not dismantled, drain oil from crankcase. Invert cylinder. Compress the spring with a screw driver and pull out valve retainer pin with long nose pliers. Tilt cylinder back far enough to allow valve to drop, permitting its stem to clear the spring. Pry the spring out with screw driver. To replace, reverse the operations as performed above.
- 46. To resect valves, grind in the same manner as automobile valves. If valves stick they may be coated with gum or carbon. To remove gum use alcohol or acetone. Clean valve stems thoroughly with wire brush or emery cloth. Also scrape all carbon from valve ports.
- 47. The timing of the valves is taken care of by the meshing of the cam shaft gear with the gear on the crankshaft. These gears are properly meshed when the mark on the cam shaft gear is in line with the mark on the crankshaft collar. See plate No. 10.
- 48. CRANKSHAFT. To remove crankshaft, FIRST remove came shaft holding the came gear in crankcase. The came shaft is assembled with a slip fit on magneto side of motor and a press fit on drive side. Drive came shaft out of crankcase with a $\frac{\pi}{16}$ " rod or punch from the drive side. Be careful not to lose the came shaft plug No. 68122. After came shaft has been removed, tip motor toward carburetor side so that came gear drops into crank case recess to allow ball bearing to pass came gear. To reassemble, reverse the operation.
- 49. PISTON. The piston in this motor is made of a special aluminum alloy which is very light in weight. The standard clearance between the piston skirt and cylinder wall is .003" to .0045". This clearance is to compensate for the considerable expansion of aluminum when hot. The top and second lands of the piston are smaller than the skirt to allow for greater expansion at the piston head. When piston is removed be sure to thoroughly clean carbon from head of piston and ring grooves. If piston is out of round or scored it should be replaced.
- 50. When fitting a new piston in the motor, assemble it with the free side pin hole with an "X" on boss, toward the magneto side. If an oversize piston is necessary, we recommend that reboring of cylinder be done by an Authorized Central Service Distributor or the factory.
- 51. PISTON RINGS. The piston rings when fitted in the cylinder should have a gap of .007" to .017". The rings should be fitted in the cylinder below the piston ring travel. Before assembling new rings to piston be sure that piston ring grooves are thoroughly cleaned and rings move in grooves freely.
- 52. PISTON PIN. On earlier model motors the piston pin is α free fit in one side of the piston and α tight fit in the other. To

remove this pin without special equipment, it is advisable to heat the piston in boiling water which causes the aluminum alloy to expand. Cut a wooden pin a little smaller than the size of the piston pin and use this and a hammer to drive the pin out. Drive the pin out through the free fit hole. This hole is toward the magneto side and is indicated with an "X" on the pin hole boss. You should, of course, drive the pin out while the piston is still hot. To easily replace the pin the piston should be heated. On later model motors the piston pin is a slip fit in the piston. To remove it from the piston, first remove lock rings, then slip pin out of piston.

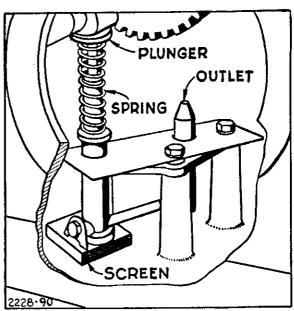
53. CONNECTING ROD. The connecting rod is also made of a special aluminum alloy which combines strength with light weight. When assembling connecting rod to crankshaft, assembly marks on cap and rod must be on the same side. These marks must also be toward magneto side of motor. Bend locking plates against hexagon head of cap screw. See plate No. 11.

Connecting Rod - Plate No. 11



54. OIL PUMP. The oil pump is assembled to the base. An inoperative pump will result in insufficient lubrication which may score the cylinder and piston assembly. To check oil pump, remove from base. Place pump in a pan of oil about 1/2" deep. Work plunger up and down. If oil is sprayed out, oil pump is in good working condition. If clogged, submerge complete unit

Oil Pump - Picte No. 12



in gasoline or kerosene for three or four hours to loosen accumulated sludge or gum. If still inoperative it should be replaced. In assembling, be sure that spring and plunger are in place.

- 55. OIL LEAKS. If oil leaks from either end of crankshaft main bearings, remove base from motor. Oil return valves are screwed into crankcase and magneto back plate below main bearings. Remove oil return valve and clean or flush with gasoline and blow out any dirt lodged under the small disc. Replace if necessary. See plate No. 7.
- 56. CARBON. Excessive combon is caused by improper grade of oil—too much oil usually the result of piston rings not seating properly or sticking—comburetor set too rich—or long service. An unusual amount of combon is noticeable by motor knocking or loss of power. Occasionally remove combon from valves, valve ports, piston head, piston rings and ring grooves, cylinder head and top of cylinder bore.
- 57. AIR CLEANER. The air cleaner is to protect the motor from dust and dirt. No motor can stand up under the grinding action that takes place when dust and dirt particles are drawn into the motor through the carburetor. Air Cleaners should be cleaned occasionally as follows:

OIL BATH TYPE: Wash the outside of the filter element with

a rag or brush dipped in gasoline or kerosene. Do not submerge. Then clean bowl by submerging it in gasoline or kerosene. Fill cleaner with oil of the same viscosity as used in crankcase, up to the level marked on cleaner bowl. See instructions on air cleaner label.

FELT TYPE: Remove the felt regularly and brush out accumulated dust and dirt. Then wash felt thoroughly with gasoline. Make sure felt is dry before replacing.

- 58. MUFFLER. After long periods of service it is possible that the muffler will become alogged to the point where it will affect the motor's power. To check the muffler unscrew it from the motor and run water into the open end of the muffler. If full streams of water come out of the small holes at the end of the muffler, you will know that it is not alogged up. If the water runs through very slowly, however, the muffler is probably alogged and should be replaced.
- 59. OVERLOAD. Always be sure that the machine the motor is operating is well lubricated and running freely. If it is not, it may cause the motor to become overloaded resulting in it overheating, losing power, or even stopping entirely.
- **60. PARTS.** All parts should be ordered from your dealer or nearest Briggs δ Stration Service Distributor, listed on page 23.

Repair Parts

- **61.** To assure continued satisfactory performance, do not attempt to use substitute repair parts when overhauling or repairing the Briggs & Stration Motor, Insist that all repair parts be original Briggs & Stration parts.
- 62. ALWAYS GIVE TYPE, MODEL, AND SERIAL NUMBERS. Briggs & Stratton motors are identified by a type number, model letter, and a serial number. This information is stamped on a metal plate attached to the blower housing.
- 63. When writing to the factory or to a Central Service Distributor for service information, or when ordering new parts, be sure to specify the type number, the model, and the serial number of the motor to be serviced. This will assure prompt and efficient service without unnecessary correspondence.
- 64. HOW TO MAKE OUT PARTS ORDERS. Print your name and address plainly and correctly. Do not abbreviate name of

		Page
How	to Find Correct Part Number	, ÎI
	List	
	Illustrations	

town or state. Specify on the order how shipment to you is to be made. This will assist in giving prompt and efficient service.

- **65.** Give part number and name of parts wanted. (Do not use number cast on parts.) You will find the part numbers, names and prices on pages 11 to 18, and parts illustrations on pages 19 and 20.
- **66.** After you have made out order, check back to see that you have followed all instructions and have accurately listed what you want.
- 67. All parts should be ordered from the nearest member of our Nation-wide Service Organization. (See Page 23.) In ordering parts by mail, selling prices will be furnished on request or parts will be shipped at prevailing prices.

TO FIND THE CORRECT NUMBER OF THE PART YOU NEED

- Make a note of your motor TYPE NUMBER (Not the Serial Number) that appears on the metal nameplate attached to motor blower housing.
- 2. Refer to pages illustrating paris and locate the Master Parl number by comparing your old part with the illustrations. Assemblies include all part numbers bracketed in illustrations. All parts shown in assembly brackets on which part numbers are given can be purchased separately.
- 3. After the Master Part Number has been identified, refer to the following Parts Lists where these Master Part Numbers are listed in numerical order.
 The Master Part is used on all types of motors except those types listed under "Note."

G

- 4. If a "Note" appears below the Master Part Number this means that this part is made different from the Master Part for certain types and if your type is listed under "Note," order the part referred to.
- If two or more parts are bracketed () under "Note," they are used to replace the Master Part on the type numbers shown.
- If your Motor Type Number does not appear after any part number listed under "Note," order the Master Part Number.
- 7. When ordering parts—or writing for service information—always specify the MODEL LETTER—TYPE NUMBER—and SERIAL NUMBER of your motor.

Parts List

MODELS "I"—"IL"—"IR"—"IP"—"IR"—"IS"

	STE		SHIPPING	340		
	ART	• •	WEIGHT		STER LRT	SHIPPING
	MBE	MANUE.	Lhs. O.		ATT TO	WEIGHT
211	10	Venturi—Carburetor	. 1		MANUE	Lbs. Oz.
211	25	Body—Lower Carburetor	c	2208 2208		1
		Note: No. 99720 Body - Lower Carbu		2210	Proce—Air Cleaner Elbow	1
		10101	e	2212	· DIGCEST CHOKE ROD	· · · · · · · · · · · · · · · · · · ·
		Used on type Nos 206164 206162	_	22200	Til Oldular Elbow	1
		40010Z, 206184, 206185 206180 206101		24200	ormidel	6
		200194, 200195, 206201 206203 206203	,		Note: No. 22059 Shield-Cylinde	er 6
		200343, 200356.			Used on type Nos. 206164,	206167,
		No. 90193 Screw - Ma-			206182, 206184, 206185, 206187, 206181, 206181, 206181	206189,
. .		Includes: Johine, Fill, Hd.—6-32-36	/ 1		206191, 206194, 206195, 206201, 206203, 206207, 206356,	206202,
		No. 90362 Lockwasher—		22216	Cover—Breather	
		No. 6x 8x x x x x x x x x x x x x x x x x x	1		Used on all engines after Ser	1
		No. 27011 Felt—Drain	1		32642.	iai No.
2117	4 1	Used on type No. 206345.		22217		
2117	-	Elbow—Air Cleaner	12		Note: No. 62703 Shield-Oil Spro	1
2128		Elbow—Air Cleaner	12		Used on engines before	ly l
TILO	o r	Ring-Piston, Compression, Top-Stand-			No. 32042.	
21310	g n	ard	1	22233	THE PROPERTY OF THE PROPERTY O	l 1
	ין זי	ody—Breather	4	22238	Washer-Cylinder Mounting	. 1
	_	Jsed on all engines after Serial No. 32642.		22243	washer-Cylinder Mounting	. 1
21376	3 R			22247	busning—Cylinder	
	• • •	ing—Piston, Compression, Top—.010"		22279	Brace—Air Cleaner Elbow	
21377	7 R	O.S	1	22281	Bracket-Bell Crank	•
		O.S		*22353	Washer—Valve Cover	
21378	R	ing-Piston, Compression, Top030"	1	22368	Washer-Control Lever	
	• • •	O.S		22372	Clamp—Control Wire Casing	•••••
21737	El	bow—Āir Cleaner	1		Note: No. 22054 Clamp-Control	M/inc
21926	E	bow—Carburetor Intake	12		Casing	. 1
•	N.	ote: No. 21108 Elbow—Carburetor In-	6		Used on type Nos. 206473 2	N7303
	271	take	_	22725	wasnerControl Lever	
		Used on type Nos. 206194, 206195,	6	22834	WasherControl Lever	1
	20	6359, 206360, 206504.	•	22872	Shim—.010" Thick	. 1
22011	Co	ver-Valve	•	22963	Washer-Cylinder Head (38" thic	k) 1
22025	Ple	te—Oil Baffle	6		Note: No. 62863 Washer - Cv	linder
	N-	ote: Used on engines after Serial No.	3		Head (84" thick)	1
	60	57.		00050	Used on earlier model and	noc
22031		ck—Clutch Housing		23059	Lever—Fuel Shut-off	2
22032	W	asher—Needle Valve Packing	2	23062	Bushing-Intermediate Gear	2
22036	Vα	ive—Throule	j l	23068	NutSpeed Adjusting	
22050	Vα	Ive-Choke	1	23005	Screw—Speed Adjusting	,
22062	W c	IsherChoke Lever	i	230/0	Spacer—Foot Pedal Support	,
22075	191C	ICKet(Control Spring	i	20077	rinion—Starter	1
22078	AN C	asner—Thrus!—	i		Note: No. 63794 Pinion-Starter.	
22080	Did	iceCarburetor	i		Used on type Nos. 206167 20	6102
	No	te: No. 22121 Brace-Carburger	i	j	200104, 200185, 206189, 206191 20	6194,
		USED ON IVER Now 200100 200100	-		200190, 200201, 2D6203	
	206	460, 206461.			Spacer—Foo! Pedal Support	1
* Includ	ded	in Gasket Set Part No. 291376		20.14	Pin—Float Hinge	1
		201 140. Za1376				

MAS'		SHIPI WEI		MAST PAR		SHIPPING WEIGHT	
NUM	BER NAME	Lbs.		NUME		Lbs. Oz.	
23125	Pin—Throttle Stop		1		No. 26234 Crankshaft		
23158	Sleeve—Bearing		1		Used on type Nos. 206153	. 206155.	
23184			1	*	206158, 206160, 206164, 206168	, 206170,	
23187	Pin—Valve Spring Retainer	•	1		206172, 206174, 206175, 206177	, 20 6180,	
29211	Locknut—Bearing Sleeve		1		206181, 206183, 206187, 206188	, 206190,	
23215	Spacer—Baffle Plate		1		206192, 206197, 206198, 206199	, 206200,	
	Note: Used on engines after Serial No				206202, 206205, 206207, 206363	, 207100,	
	6057.				207101, 207102, 207103, 207104 207106, 207107, 207108, 207109	, 20/105, 20/110	
23222	Nozzle—Carburetor		i		207112, 207114, 207115, 207117	. 207118.	
23227 23228	Nut-Needle Valve Packing	•	1		207119, 207120, 207121, 207122		
23230	Valve—Idle Adjusting	•	1		No. 26250 Crankshaft	3	
23250	Bushing—Throttle Shaft Stud—Starter Mounting	•	3		Used on type No. 206195		
23261	Spacer—Carburetor Screw	•	ĭ		No. 26261 Crankshait		
23270	Screw—Choke Lever		i	•	·Used on type Nos. 206169		
23272	Wrench—16" Socket Set Screw		4		No. 26282 Crankshaft Used on type No. 20619		
23292	Bolt—Air Cleaner	•	2		No. 26335 Crankshaft		
•	No. 23334 Stud—Air Cleaner	•	2		Used on type No. 206373		
	Note: No. 90355 Nut—Hex.—10-32	•	1		No. 26337 Crankshaft		
	No. 92290 Lockwasher-No. 10:	-	1		Used on type Nos. 206374	, 207025.	
	Used on type Nos. 206345, 206350		1	•	No. 26342 Crankshaft	3	
	206351, 206357, 206362, 206370, 206460	<u>'</u>			Used on type Nos. 206193 207111, 207113.	, 206206,	
	206461, 206512, 207021.				No. 99312 Crankshaft	3	
23329	Bushing-Starter Support		2		Used on type Nos. 206464	206500.	
23443	Pin—Dowel	ı	1		206501, 206502, 206504, 206507,	206509.	
23444	Stud-Valve Cover		l		206510, 206512, 206513, 206514,	206515,	
	Used on all engines after Serial No 32642.	•			206516, 206517, 206518, 206519,	206520.	
	Before Serial No. 32642 use:				206521, 206522, 206523, 206524,	206525,	
	No. 91707 Screw—Cap.—Hex. Hd.		•		206526, 207200, 207201, 207202, 207204,	207203,	
	¼-20x1%"		1		No. 99348 Crankshaft	3	
	Note: No. 23466 Stud-Valve Cover		1		Used on type Nos. 206450.		
	Used on type No. 206195 after	•			206456, 206457, 206459, 206460,	206461,	
	Serial No. 32642.				206462, 206463, 206465, 206467,	206468.	
	Before Serial No. 32642 use:				206469, 206470, 206471, 206472,	206473,	
	No. 91671 Screw—Cap, Hex. Hd. —-¼-20x2"		1		207300, 207301, 207302,		
23571	Swivel—Control Lever		ì	26228	Spring—Choke Lever Return		
23580	Bushing—Control Lever		î	•	Note: No. 26270 Spring — Chok Return	e react	
23612	Valve-Exhaust		2		Used on type No. 206345.	-	
23911	Bushing—Gear Cover		2	26229	Spring-Choke Lever		
26021	Spring—Intake Valve		1	26235	Link—Governor		
26026 26032	Lock—Piston Pin		1	26263	Link—Throttle Control		
26152	Spring—Clutch Retainer		1	26265 26267	Spring—Governor		
26157	Spring—Idler Valve and Throttle Adj		i	20207	Spring—Control Wire Return Note: No. 67316 Spring — Control		
26172	Spring—Pump Plunger		l		Return		
26178	Spring—Pedal Return		1		Used on type No. 206194		
26204	Crankshaft	3			Spring—Starter Return	2	
	Note: No. 26115 Crankshaft	∙3		26330			
	Used on type Nos. 206304, 206323, 206331, 206340, 206341, 206348, 206364,				Used on all engines after Ser	ial No.	
	206371, 206375, 206376, 206385, 206386,			26404	32642.	į.	
	207005, 207009, 207012, 207013, 207015,				Washer—Stop Switch		
	207016, 207027.				Wire—Centrol—78" long		
	No. 26126 Crankshaft	3			For all other types, if longer		
	Used on type Nos. 206302, 206305,				needed, specify length in inc		
	206306, 206330, 206359, 207004, 207006.				shorter wire is needed, order No		
	No. 26127 Crankshaft Used on type No. 206360.	3			and cut to required length.		
	No. 26131 Crankshaft	3			Gasket-Engine Base		
	Used on type Nos. 206361, 206380.	•			Used on engines equipped with I		
	206383, 207018, 207023, 207024.				dowel pins for mounting cylin	.01 1 0 1.	
	No. 26149 Crankshaft	3			base. On engines equipped with base	using	
	Used on type Nos. 206350, 207021.	^			eight screws for mounting to c		
	No. 26159 Crankshaft	3			see Master Part No. 68337.	-	
	No. 26162 Crankshaft	3			Gasket-Gear Cover010" Thick	1	
	Used on type No. 206362.	J			GasketGear Cover005" Thick		
	No. 26166 Crankshaft	3		27323	Gasket—Breather Body	1	
	Used on type No. 206312.			*27355	Gasket-Intake Elbow Mounting	J 1	
	No. 28225 Crankshaft	3		•	Note: No. 68917 Gasket—Intake	Elbow '	
	Used on type Nos. 206167, 206182,				Mounting	1	
	206184, 206185, 206189, 206194, 206201, 206203				Used on type Nos. 206194, 2	206195,	
	206203.			2	206359, 206360, 206504.		

* Included in Gasket Set — Part No. 291376

	_	SHIPPING	MASTER	— ·	HIPPING WEIGHT
MASTE PART	•	WEIGHT	PART NUMBER	1-23 <i>0</i> 77	bs. Oz.
NUMBE		Lbs. Oz.	62641	Plate—Speed Adjuster Retainer	2
29131	Shield—Spark Plug	. 6	1	Note: No. 62575 Spring—Speed Adjuster	,
29667	Point Assembly—Contact			Friction	1
29671	Note: No. 99648 Armature and Light Co	oil (Not Available)	,	Used on type Nos. 200338, 200027, 2006515.	
	Heed on type Nos. 206164, 20616	7,	69893	Pulley-Rope Starter	6
	206182, 206184, 206187, 206195, 20635	б.	69995 (Cover-Dust	8
29693	Plug-Spark (with Gasket)	3	82842	Spacer—Dust Cover) 3
29739	Piston Assembly—Standard	,, 8 ., 8	62851	Strap-Fuel Tank	3
29778	Piston Assembly—.010" O.S		•	Note: No. 62965 Strap—Fuel Tank Used on type Nos. 206198, 206315,	•
29779	Piston Assembly—.020" O.S	• •		<u> </u>	1
29780 29806	Gasket—Spark Plug	1		206471, 207008, 207017, 207022, 207112,	
29835	Flywheel-Magneto	,, b		207121. No. 69298 Strap—Fuel Tank	
	Note: When ordering this flywheel i	or		Used on type Nos. 206187, 206202,	
	type Nos. 206167, 206182, 20618	54,		206207.	
	206185, 206189, 206191, 206194, 20619 206201, also order No. 21103 Key		00070	Screen-Fuel Filter	. 1
	Flywheel	., 1	•	Note: No. 62477 Screen-Fuel Filter	. 1
29861	Condenser	2		Used on type No. 206345. Switch—Stop	. 2
29876	Bod-Choke	i	62966	(No 22111 Switch—Stop	
	Note: No. 99815 Rod—Choke	1		INT DOORD TOOLSTORD OF TAX 784	Κ.
	Used on type No. 206345.	6		Note: No. 91648 Screw—Cap, Hex. Hd	•
29878	Rope—Starter	i		No. 91648 Screw—Cop, 1164.	
38852 40437	Switch—Ignition Lock	6		tined on type No. 206345.	
46133	Spring—Spark Plug Shield	1	62980	tu-shan Booring Sleeve	. 1 . 1
53029	Connector—Fuel Pipe	, <u>1</u>	63426	Locknut—Control Wire Casing Ball—Clutch	. 1
	Note: Used on type No. 206345 on	ıly.	63770 63782	37 - 1 Indoles	
61703	Gear—Cam	1 8	63785	Chaft Com	
61756	Ring — Piston, Compression, Center Standard	1	63788	TermolValvo	
61757		1	63821	Wrench—16" Socket Set Screw Plunger—Oil Pump	. 1
61760	Kev-Flywheel	1	63965 65431	11ca 290568.	
	Note: No. 21103 Key-Flywheel	1	65534	Carket—Oil Filler Cop	. 10
	Used on type Nos. 206167, 2061	82, Q4	65616	Casing—Control Wire—72" long	. 10 d
	206184, 206185, 206189, 206191, 2061 206195, 206201.	.52,		Note: If a longer casing is neede specify length in inches, if a shorter specify length in inche	er
61760	The Compression Center	r '		casing is needed order 140, 65010 an	d
61768	.010" O.S	•••			
61769	Ding Dieton Compression, Center	r 	65704	Diversity Contact Point	. 1
	.020" O.S Conto	···	85794	Insulator—Armature	
61770	Ring — Piston, Compression, Center .030" O.S	· 1	65968	Used on all engines after Serial N	0.
6177	Ring-Piston, Oil010" O. S			32642	
6177	Ping_Pision Oil020" O.S	*** I	66111	Elbow—Fuel Pipe	1
6177	Ring—Piston, Oil—,030" O.S	.,,		Note: No. 63377 Elbow — Fuel Pipe Used on type Nos. 206187, 20620	2.
6194	Plate—Generator End	and 1		206207	
	Note: No. 21458 Plate—Generator E Used on type Nos. 206371, 2063	385.	*66114	Worker Cylinder Mounting	1
	Used on type Nos. 2063/1, 206. 206386.	~~-1	CC1 KA	Washer-Stop Switch	• •
6194	Housing—Starter Clutch	10		Washer—Stop Switch	nd
0104	Note: No. 21100 Housing—Starter Ch	utch 14	66432	Fuel Tank Strap	• •
	Heed on type Nos, 206167, 206	182,		Note: No. 67072 Washer - Fuel land	<u>.</u>
	206184, 206185, 206189, 206191, 206	194,		Strap Used to mount tank straps	
	206201, 206203. No. 21148 Housing—Starter Cl	utch 14		Wos. 206198, 206315, 20637	U_k
	Used on type No. 206195.			206381, 206382, 206471, 207008, 20701	17,
	No. 291015 Housing Sto	arter		207122 207112 207121.	
	Cluich	1	*6730	7 Gasket—Magneto Plate—.015" Thick.	1
	Used on type No. 207020.	1	*6752 *6752	7 Gasket—Valve Cover	ī
6196		3	*6780	7 Casket-Magneto Plate-1009" Inick	
6204		1	66199	DlugCamshaft	. 1
6204 6247	3 Shim005" Thick		*6833	7 Gasket-Engine Base	
6247	A Shim-010" Thick	,,,, <u>l</u>		Motor Head on all engines equipp	ea
6253	8 Washer—Clutch Retainer	Z		with base using eight screws for mou	
6257	7 Washer-Flywheel	l		ing to cylinder. On engines equipped with locati	ng
	Note: No. 62903 Washer—Flywheel	t or		dowel nine for mounting cylinder	(O
	Used on engines with foo hand lever starters.	· ·		base see Master Part No. 27043 Gask	.e(.
		's		•	
* In	cluded in Gasket Set — Part No. 29137		سهاستا لميد	uctions ton page 11	

MASTI PART	<u> </u>	WE	PING GHT	MAST PAR	T_		WE	PING IGHT . Oz.
NUMB!			Oz.	NUME		NAME	، يرجيد	. Uz.
¥68477	Gasket—Fuel Filter Bowl		1		207027, 207028,	207203. Base Engine (Cas	2†	
	Note: No. 67267 Gasket — Fuel Filte Bowl		1					
	Used on type No. 206345.	•	•		Used on ty	тре Nos. 207020, 207102	2,	
68487	Bowl—Fuel Filter		2		207103, 207104,	207105, 207106, 2071 0 7	<i>'</i> .	
	Note: No. 67257 Bowl-Fuel Filter		2			207110, 207111, 207112		
	Used on type No. 206345.				207119, 207120,	207116, 207117, 207118 207122, 207302	,	
68507	Washer-Fuel Shut-Off Valve Packing.		1			Base — Engine (Cas	t	
68537	Gasket—Gear Cover—.015" Thick		1		Iron)		. 8	
68857	Gasket—Carburetor Body		1			ре Nos. 206206, 207100		
68877	Gasket—Fuel Inlet Valve Seat		1			207121, 207123, 207300	,	
68887	Packing—Needle Valve		1		207301.	which do not use the	_	
68897	Gasket—Carburetor Venturi		1			ins for mounting cylin		
*68957			1			Master Part No. 9973		
	Note: No. 68287 Gasket — Air Cleane				and "Notes" list	ed under it.		
	Mounting Seefel N		1	89495		-Upper Corburetor		4
	Used on engines before Serial No. 8492.	٠,				after Serial No. 69735	•	
*0007			1		Before Serial No.			
59221	Gasket—Carburetor Mounting		2			Assembly—Upper Car	<u>.</u>	4
3244	Cap—Fuel Tank	•	2			Body Assembly—Upper	•	•
	Used on type Nos. 206197, 206382		2			Or		4
	207008, 207017, 207022, 207112.	"			Used on ty	pe Nos. 206164, 206167		
	No. 69961 Cap—Fuel Tank		2		206182, 206184, 2	206185, 206189, 206191		
	Used on type Nos, 206187, 206198		-			206201, 206202, 206203	1	
	206201, 206202, 206207, 206315, 206363			-0-10	206207, 206356.			6
	206367, 206377, 206381, 206382, 206471			89546	Control—Hand II	rottle	,	6
	207008, 207017, 207022, 207112, 207121	•				rpe No. 206515.		
	No. 89769 Cap—Fuel Tank		2		Earlier ma	dels used No. 23342	2	_
	Used on type Nos. 206371, 206385	i.			Control—	-Hand Throttle		6
9345	Cap—Oil Filler		2			Control Assembly —		6
	Note: No. 89136 Cap-Oil Filler		2			pe No. 206386.		U
	Used on type Nos. 206371, 206385	,		00010		-Gear Case	. 3	8
	206386.			89612	Cover Assembly	Cover Assembly—Gear		
	No. 90886 Plug—Oil Filler		1		Case		. 3	8
.0440	Used on type Nos. 206164, 206187		1		Used on ty	pe Nos. 206513, 206525		
9446 9447	Stud and Wing Nut		1 2	89615	Valve-Fuel Shu	t-Off		3
9002	Pulley Assembly—Automatic Drive	_	4		lised on type	Nos. 206198, 206201.	r	
9190	Pipe—Fuel—13" long		3		206315, 206363, 2	06367, 206377, 206471	,	
10100	Note: No. 29278 Pipe—Fuel—20" long.		4		207008, 207017, 2	07022, 207112, 207121. Valve—Fuel Shut-Oif.	•	1
	Used on type No. 206345.	•	•		Ilsed on tv	pe Nos. 206187, 206202	,	_
	No. 29476 Pipe—Fuel—13%" lond	7	3		206207.			
	Used on type Nos. 206187, 206202		Ū	89624	Cylinder		13	
	206207.	•			Note: On engine	s equipped with base	1	
	No. 89419 Pipe—Fuel—131/4" long	3	3		using eight screv	e for mounting to cyl-	•	
	Used on type No. 206201.				inder and not o	herwise listed in this		
	No. 89226 Pipe—Fuel—111/2" long	J	3		"Note" use No.	Cylinder	13	
	Used on type Nos. 206197, 206198	ı			Used on tv	pe Nos. 206525, 206526,		
	206205, 206323, 206326, 206383, 207009				207200, 207201, 2	07202, 207203, 207204,		
	207024, 207105, 207108.		0		207300, 207301, 2	07302.		•
	No. 89520 Pipe—Fuel		3		No. 99311	Cylinder	13	
	Used on type Nos. 206198, 206315				Used on the	pe No. 206504.	10	
	206363, 206367, 206377, 206381, 206382 206471, 207008, 207017, 207022, 207112			•		Cylinder	13	
	207121.	•				pe No. 206195. I o. 91648 Screw—Cap,		
	No. 89663 Pipe-Fuel-111/2" long	ı	3		Includes	Hex. Hd. — 5-24x 1/2"		1
	Used on type Nos. 206523, 206526				11101111111	(3)		_
	207202.				(N	o. 91865 Lockwasher (3)		1
	No. 99972 Pipe-Fuel-18" long		4		No. 89727	Cylinder	13	
	Used on type No. 206356.				Used on e	ngines equipped with		
	Valve—Oil Return		1			mounting to cylinder		
	Base—Engine (Cast Iron)		•			e listed in this "Note."		
	Note: No. 89362 Base Engine (Cas					s equipped with locat-		
	Iron)	- 6				r mounting cylinder to herwise listed in this		
	Used on type Nos. 207003, 207004				"Note" use Part 1			
	207005, 207006, 207007, 207008, 207009 207010, 207011, 207012, 207013, 207014					Cylinder	13	
	207015, 207016, 207017, 207018, 207019					ое Nos. 206450, 206451,		
	207021, 207023, 207024, 207025, 207026	•				(See next page)		
						•		
mciud	ed in Gasket Set — Part No. 291376							

P.	Ster Lrt Meed	shipping Weight	MASTER		SHIP
1401	MBER NAME	The O-	PART		WE
	206456, 206457, 206459, 206460, 20		NUMBER	NAME	Lhe.
			90916 Screw—M	achine, Rd. Hd.—1/4-20x1/2".	
			210/e/ 110,	Sussi Screw-Con How to	_1
	206473, 206500, 206501, 206502, 20 206509, 206510, 206512, 206513, 20 206515, 206516, 206513, 20			-74-2UX 92	
			type No. 2	U IO Mount blower bounts	n
		6524	17 PO 110, A	00193.	
	Alo, 93/50 Cylinder.	10	Н	91691 Screw — Machine, Fil	1.
		3350 3350	989	lo mount die alaesse	
			1011	DICTORS to carlingle 1. 1	
	No. 99769 Cylinder	13	12 PC 1405.	- <u>400343 206350 20656</u> 1	n
	osed on type No. 206350			/U12,	
	No. 290959 Cylinder	13	90950 Screw—Ca	p, Hex. Hd.———————————————————————————————————	
89660	osed on type No. 207021		DOCK WOSIIG	TODOREDION No. 1900	
63000		1		— y8	
	on on diddings other years we fe	nnn	More: Used	On engines with 36" min.	•
	Note: No. 23495 Ring-Oil Reiginer	•	rapped Oil	arain hole in base	
	No. 55000.	rial		-1/4x82x84"	
89677	Bushing-Magnata			chine, Fill. Hd.—14.20x1"	
	Bushing—Magneto	2	91359 Screw (Repl	" Standard	
	Includes: No. 89660 Seal—Oil		91401 Screw-Mac	hine, Fill. Hd.—8-32x1/4"	
	Used on engines after Serial No. 550 Note: No. 89340 Bushing—Magneta.	JUD.	Mac Pollow-Was	nine. Rd. Hd.—10.32~7%"	
	Includes: No. 23495 Ring—Oil	··· 2	TTICOHOI-	-48x1"	
	taining.	He-	91419 Screw—Cap	, Hex. Hd.—¼,20√5&″	
	Used on angines between	-1-1	potem-Cap	. Hex. Hd —1/4_20 ₹56″	
00010			pcrew-mac	nine Fill Hd.—10.32~4."	
89742	Shield—Spark Plug		1410,	DOI:00 OCTOW—Machine Rd	
89966 89838			Note: No. 6	.—10-32x¾" 10355 Nut—Hex.—10-32	
00000			No. 5	2290 Lockwasher—No. 10x	
	110.6. 110, 03235 Mullier,	2	120	84"	
	Obed Oil type Nos. XIIRYNY ANEAC	07.	Ùsed t	o mount fuel pipe clamp on	
	²⁰⁰³ //, 207017, 207169		17 pe 140, 205	345.	
	No. 89567 Muffler	1	, No. 90	597 Screw - Machine, Rd.	
	0000 OH 19PE NO. 206187		na	-10-32x1/2"	
	No. 89945 Muffler	3	No. 92	290 Lockwasher - No 10-	
	Used on type Nos. 206371, 20638	5,	10^6	£ 111111	1
	• • •		type No. 206	o mount casing clamp on	
	No. 99866 Muffler	. 1	91449 Screw—Cvlind	der Head (long)	
	Used on type Nos. 206168, 20635 207109.	1,		Hex. Hd.—14-20x1"	1
90029	Screw—Machine, Rd. Hd.—4-36x1/4"		91488 Plug—Pine—1	6"	1
90066	Screw—Machine, Rd. Hd.—8-32x1/4"	1	(No. 92	015 Plug—Drain (Breather	1
90067	Screw—Machine, Rd. Hd.—8-32x14"	1	Note: side	oro ring—Diam (Breather	
90079 8	Screw—Machine, Rd. Hd.—10-32x36"	• 1	No. 92	018 Plug—Drain (Carbur-	1
90081 8	Screw—Machine, Rd. Hd.—10-32x1/2"		(etor	side)	1
90083 5	ocrew—Machine, Rd. Hd.—10-32x%"	· 1	70 D92U	type No- 202122 coases	
1	vote: No. 91406 Screw - Machine Da	• 1	Z00104, Z00185	i. 206189. 206191 206104	
	Hd.—10-32x%"		200100' F00Z61	. ZUDZUK YOKYOY GORGER	
	Used on type Nos 206315 207000	. 1	arana vehJ.g., 2dito	ITO	1
	0/121.		Note: No. 2327	7 Key—Square	1
90200 S	crew-Machine, Fill. Hd8-32x1/2"	1	USEC ON 2061 OF 206201	type Nos. 206167, 206182,	
20202 2	crewMachine, Fill. Hd10-32-14"	1	No. 8375	, 206202, 206207. 5 Key—Square	
20212 14	ui—Hex,—8.32)	Used on	type Nos. 206160, 206345,	1
2022) [4	u:Hex8-32 Bross	1	206358, 206369.	207014, 207028, 207106.	
90000 14	uiHex10-32	1	91635 Connector—Fue	l Pipe	1
DOODA TO	'∵r ∧dsuet—No' Rx≅y x y ',	1	Note: Used on	type No. 206345 only.	1
SOSOO TO	ockwasher	1	91691 Screw-Machine	9, Fill. Hd.—1/4-20x5/8"	,
, , , , , , , , , , , ,	~rwdsiiei—N∪ ×r×r•~~	1	91708 Nut-Flywheel	**************************************	1
noses TO	Ckwasher—No. 4x n³2 x -3, "	1 .	Note: No. 91900	Nul-Flywheel]
20070 50	TewCop. Hey Hd 14 20 24 //	=	Used on	engines with foot or	1
No	ne. no. 92134 ScrewCan Hee Ha	1	nana lever star	ters.	
	~- 1/4 - 28 x 3/4 "	1	91711 Screw—Cylinder	Head (1" Long)	1
20/	Used on type Nos. 206371 206396	•	No. 6333	7 Spacer (5%" Long)	2
	0000,		14016; 3140, 8887	3 Spacer (*** Long)	ì
0576 Nบ 0833 เล	t—Hex.—8-32	1	140, 9120	ScrewCylinder Head	i
DOOR LOC	:KWasher /4 x 5/2 x 2/2 //	i	Used to n	nount cylinder bead as	-
ITU		1	plower nonsing s	side of type Nos. 206473,	
00,	ou on an engines offer code at	•	2070U&.		
	710,		- Ojiniggi	Head (11/4" long)	1
FIR	-Cotter-32x3/4"	1	orew-Machine,	Fill. Hd.—8-32x1" et Hd.— 16 -24x½"	1
0877 Scr	ew-Stop Switch				

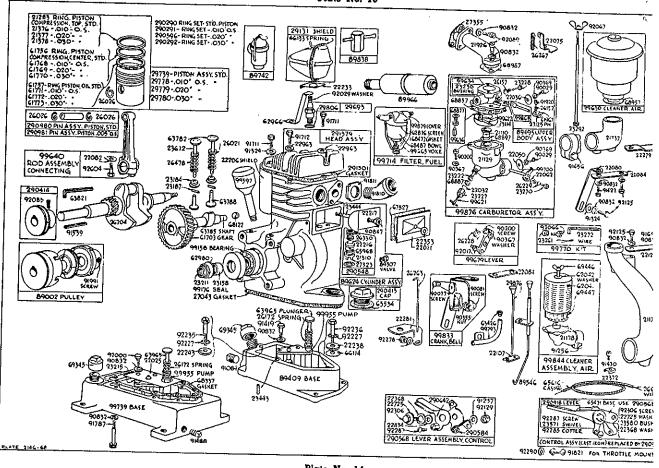
	eum	PING	MASTE	I		PING
MASTE	<u> </u>	GHT	PART		21	IGHT Oz.
PART NUMBE	R NAME Lbs.	_	NUMBE		6207, 206315, 206363,	
91796	Screw—Cap, Hex. Hd .— $\frac{5}{16}$ -24x1 $\frac{3}{4}$ "	1		DARGET DARGTT 20	16381. ZUU304. ZUU4/1,	
9180B	Lockwasher—	3		207008. 207017. 20	17022, 207112, 207121.	
91810	Filbow—Exhoust	. 3		To mount Fi	iel Tank No. 29034 on	
	Note: No. 91812 Elbow—Exhaust Used on type Nos. 206167, 206184.	Ü	•	above type numb	ers use:	1
	206185, 206188, 206190, 206192, 206195,			No. 90321	Nut-Square, 10-32.	•
	206351 206370, 207110,			No. 91406	Screw—Machine, Rd. -32x%*"	1
	No. 91961 Nipple—Exhaust	3		No 99518 1	omk Assembly—Com-	
	No. 92478 Elbow—Exhaust	4		hingtion l	Fuel 3	8
	Used on type Nos. 206385, 206386. Locknut—Muffler Elbow	2		Tlead on tyr	se Nos. 206197, 206205,	
	Bolt and Nut-18x1"	ì		206323, 206383, 2	07009, 207024, 207105,	
91821 91833	Stud_Dust Cover	1		ለስማ100	o. 89615 Valve—Shut-	
81901	Scrous_Con Haz. Hd12-2021 /2" · · · ·	1 1		ſ	off	1
91920	Screw-Machine, Fill, Md. 34178	i		Includes: N	o. 99477 Tank Assem-	
91991	Screw—Set (Drive Pulley)	ī		1	bly-Combition rue 3	3
92000	Note: No. 91183 Screw—Cap, Hex. Hd.			Į.N	o. 99509 Pipe—Fuel.	ĭ
	1/4-28 x 5/6"	1			io. 99511 Tee	
	Used on engines before Serial		99243	Handle-Carrying		
	No. 8057	1		Note: No. 89687	Handle—Carrying 1 pe Nos. 206371, 206385,	
92017	Screw—Machine, Fill. Hd.—8-32x16" Lockwasher—Shakeproof No. 1108	i		206386.	Po 1409, 2000, 1, 200011	
92029	$N_{\rm DM}$ —Cost]e— $\frac{1}{\sqrt{\epsilon}}$ -20 · · · · · · · · · · · · · · · · · · ·	1	60000	Clutch Accombly-	-Starter	
92051 9205 4	Not-Starter Pedal	ļ	99272	Maria: No. 99615	Clutch Assembly —	
92066	Screw—Carburetor Mounting	1		Starter .		I.
92067	Nut-Wing Screw-Set, Socket Head-16-24x1/4"	î		Tised on ty	ne Nos.206167, 206182,	
92085	Screw—Set, Socker Redd—18 220x34"	1			06189, 206191, 206194,	
92089	(No. 23296 Stud	1		206201, 206203.	Clutch Assembly -	
	Note: No. 92288 Pin — Cotter — 16 x 1/2"	,		Starter .		ì
	1 1000	1 1		Used on th	_{гре} No. 206195.	_
	No. 91916 Nut—Castle—1/4-28 Used to mount carburetor elbow	•	99288	Cable-Tanition .		2
	on type Nos. 206164, 206167, 206182,		•	Note: No. 99391	Cablelgnition	2
	206184, 206185, 206187, 206189, 206191,			Used on ty	pe Nos. 206340, 206371,	
	206201, 206202, 206203, 206207, 206356			206372, 206375, 3	206376, 206385, 206386,	
	No. 99770 Kit—Carburetor Mount-	2		207012, 207016, S	-Foot Starter	1
	ing	-	99306	Pedal and Seciol	Foot	3
	206359, 206360, 206504,		99307 99309	Housing—Blower		2
92125	Screw—Cop. Hex. Hd.—1/4-20x1/2"·····	1	23000	Note: No. 89208	Housing—Blower	2
92129	Nut	1	•	Used on t	pe Nos. 206164, 206167,	
92227	Lockwasher—Shakeproof No. 1120 Screw—Cylinder Mounting	i	•	206184, 206185,	206187, 206191, 206195,	
92235 192236		1		206201, 206202,	Housing—Blower	2
92278	Nul—Hex.— $\frac{1}{4}$.20	1		No. 33420	ype Nos. 206198, 206315,	-
92285	Din—Cotter—No. 18x1/4" long	1 1		206363 206367	206377, 206381, 206382,	
92287	Screw—Machine, Rd. Hd.—10-32x1/4"	i		206471, 207008,	207017, 207022, 207112,	
92290 92291		ī		207121.		n
92306	Screw—Cap, Hex. Hd.—14-28x1/6"	1		No. 29002	7 Housing—Blower	4
l	(No. 90802 Screw—Cap, Hex. Hd.	,		Used on	type No. 206386. No. 23692 Push Rod—	
	$M_{\text{olo}} = \frac{1}{4} \cdot 20x \frac{1}{2}$	1 1			Stop Switch	1
	No. 92278 Nut—Hex.—1/4-20 Used on type No. 206512.	•		Includes:	No. 26483 Spring-Stop	
92324	Rivel—Tubular— /8xs2" · · · · · · · · · · · · · · · · · · ·	1			Switch Push Rod	. 1
92604	Screw—Connecting Rod	1			No. 91984 Pin—Cotter— 16x1/2" long	1
	Note: No. 91849 Screw—Connecting Rod	1	AA018	C T	-	2
	Used on engines before Serial No.		. 99313	Note: No 8912	Gear-Intermediate	
	11791 and on Serial Nos. 20000 to 22787 inclusive.			lised on t	vpe Nos. 206462, 206463,	
92641	Pin_Cottor_1/8x11/2"	1		206464, 206467,	206468, 206469, 206471,	
9267	Screw—Self Tapping, Rd. Hd.—10-32x 1/2"	1		206516, 206521,	206524.	•
9915	Regring—Ball	8	99314	Shaft Assembly	Drive	3
	Mate: No. 22247 Bushing—Cylinder	2		Note: No. 8912	Shaft Assembly—Drive	د.
	tlend on Model "IR" Engines.	2		Used on	type Nos. 206462, 206463,	
9	No. 62552 Bushing—Cylinder Used on type No. 206350.			206467, 206468, 206521, 206524.	206469, 206471, 206516,	
9 0017		6		No 8917	2 Shaft Assembly—Drive	3
9917	Note: No. 99440 Seal—Oil	6		Used on	type No. 206464.	
	Used on type No. 206195.	_		No. 8917	4 Shaft AssemblyDrive	3
9918	O Took Assembly-Fuel	3		Used on	type Nos. 206473, 207302.	_
	Note: No. 29034 Tank Assembly—Fuel.	2 8	9931	7 Seal—Oil		6
	Used on type Nos. 206187, 206198,					

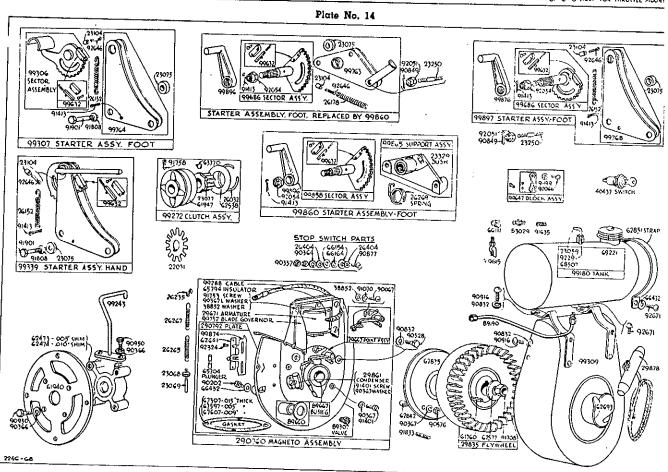
M	umber Aster Part		Lbs. Oz. SHIPPING	,	MASTER PART		SHI
99:	339 Start	ter Assembly—Hand Lever	WEIGHT	1	NUMBER	NAME	WE
		:: No. 89352 Signier Assembly —	. 3			No. 89740 Base -	Lbs.
		uand rever	2			MUIII e e e e e e e e e e e e e e e e e e	
	000	USEG ON IVED NOT 2061OD COCATA	3 .		00050		
994	2071	A.L.			206500		
995		er Assembly—Foot	3			is accusts. Alianta y	41651E 000F1A
		4101	12		206522	7, 206518, 206519, 2 2, 206523, 206524,	06520, 206521,
	Note	on engines before Serial No. 32642. No. 99291 Breather				No. 99743 Base	Fraince 10.
		Used on engines before Serial	12				
	No. 6	ουφ/ .			206456		
		No. 91240 Elbow-3/8x45° Street.	1			, 40043), ZIBASU YI	IRACO DOCIOS
	-	No. 88687 Breginer.	12		206469	, 206463, 206465, 20 , 206470, 206471, 20	J6467, 206468,
	20618	Used on type Nos. 206164, 206167, 2, 206184, 206185, 206187, 206189,			j	No. 99839 Base -	Engine (Cost
	20010	v, &0033B.				lron)	6
. 9962	ει Vαlve	-Needle Adjusting	3		206500	Used on type Nos. 20	06351, 206504,
9962 9963					206509.	noludos No 61616 I	- Cons
9963	- 010011	o assembly—air	1		•	ncludes: No. 91812 I	LIDOW
9963	4 Body-	-Upper Carburates	1		<u>.</u>	To. 99913 Base — I	Engine (Cast
9963			4		τ	Jsed on type No. 2	
9964) 9964)			1 8	997	63 Support	Assembly-Foot Le	ever 2
9966		1100GIIIDIY— I Arminai	ž	997	ba Support	Assembly—Foot Pe	eda) 2
	Note:	Assembly—Fuel Filter	2	997	gg Support	Assembly-Foot Pe	edal 2
	,	No. 29602 Wire—Filter Clamp No. 99006 Nut—Filter Thumb	1	997	yo Kil—Çai	buretor Mounting .	
		Used on type No. 206345.	1	997: 998:		ontrol Wire Casing	1
99678	Lever	Assembly—Choke	,	560		ssembly—Bell	• • • • • • • • • •
99686	pectot	Assembly—Starter	1 14		11016. 11	o. 89685 Crank Ass sed on type No. 20	embly—Bell
99700	suan a	ind Lever-Choke	2	9984	44 Cleaner	Assembly—Air	7/204.
	Note: I	No. 23252 Shaft—Choke	1	9985	58 Sector A	ssembly—Starter	· · · · · · · · · · · · · · · · · · ·
	ຽກຄາດລ	Jsed on type Nos. 206164, 206167,		9986	Starter A	issembly—Foot	3
	206194	206184, 206185, 206189, 206191, 206195, 206201, 206202, 206203,		9986	Support	AssemblyFoct Sto	rter 2
	206207,	206345, 206356.		9986	i 8 Shaft and	d Lever Assembly-	-Throttle
99714	Filter A	ssembly—Fuel	10		Used on	engines after Serial	No. 69735.
	Note: N	o. 89224 Filter Assembly—Fuel.	10		ν, V, O	. 89736 Shaft and Le	ever Assem-
	U	sed on type Nos. 206187, 206202,	10		II s	oly—Throttle ed on engines after	**************************************
	200207.				69735.	ed ou enduies difet	Senai No.
	11	o. 99910 Filter Assembly—Fuel. sed on type No. 206345.	10		Note: No.	99635 Shaft and Sto	p—Throttle 1
	În	icludes: No. 23933 Valve—Shut-			Use	ed on type Nos.2061	64 206167
00000		OII	1		200102, 20	76184. 206185. 20618	RQ 2DE101
99732	DIGGE W	ssemblyGovernor	6		206207.	06195, 206201, 20620	02, 206203,
	Mote: M	o. 22038 Plate—Balfle	1		Use	s: No. 23284 Colla	r—Throute
	206182.	sed on type Nos. 206164, 206167, 206184, 206187, 206195, 206201,		454=4	S.	hall	1
	206202, 2	206356.		99874 99876	Acjusjer—	Speed	
	No	o. 62598 Plate—Baffle	1	930/6		Assembly	1
	US	ed on type New Maine mains	•	*	Before Ser	ngines after Serial 1 ial No. 69735 order:	No. 69735.
99738	200191, 2	00194, 206203, 206338.			Note: No.	89507 Carburetor As	scembly 1
	Note: No	gine (Cast Iron)4			OSet	4 on type No. 20634	15
	110ie, 110, I	. 21144 Base — Engine (Cast ron)			140.	89734 Carburetor As	semble 1
	Use	ed on type Nos. 206164, 206187.			No. : Usec	99717 Carburetor As I on type Nos. 20616	sembly . 1
	No.	. 89874 Base - Engine (Cast			400104, ZUC	1164 ZUNTAS 90610C) 000101
	11	ron) ß			200104, 200	199, ZUBZUI. 206209	206203.
9	Us∈ 206386.	ed on type Nos. 206371, 206385,		99879	200207, 200	1000,	
•		99723 Base — Engine (Cast	•			mbly—Fuel Filter	6
	11	on)			Used	on type No. 20634	filler 6
	Use	Q OD type Nos 206167 206100			Uses	No. 29536 Value	e _ Fuel
2	JUDIO4, ZU	0185, 206189 206191 206164			ont	n-On	1
2	.00133, ZQ	0201, 206202, 206203, 206207			110, 0	J423 Cover Assemb	ly—Fuel
	Ira	99736 Base — Engine (Cast			Used	on type Nos. 206187	206202
	Usec	U OD TYDE NOS. ZUKISZ ZORIES			200200.		
20	99133. ZUI	DISB. 206160 206167 000100		99896	Pedal-Foot	Starter	1
21	NOTOR, ZOC	517U, 206172, 206174, 20c17c		2202/	Sidrier Asse	mbly—Foot	2
421	50111, ZUL	6180, 206181, 206183, 206188, 6192, 206193, 206197, 206198,		•	MOLE: NO. 82	546 Starter Assembl	v-Foot
20	06199, 206	5200, 206205, 206363, 206365.			simila	ced by No. 99897 I to it except that i	and is
		- 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2				(See following page	τησε α
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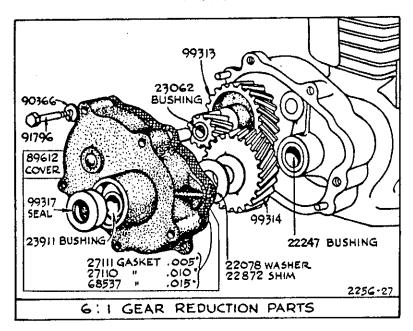
MÄSTER		HIPPING	MASTER		HIPPING VEIGHT	
PART		WEIGHT	Pärt Number		bs. Oz.	
NUMBER	***************************************	Lbs. Oz.		206184, 206187, 206201, 206202,		
	foot pedal instead of a foot lever. Earlier models used the following		206207.			
	to mount pedal to sector:		Inc	cludes: No. 65335 Wire—Ground	1	
	No. 62976 Washer	1		99662 Magneto Assembly	(Not available	·)
	No. 91028 Screw—Cap, Hex. Hd.	1		(Light Coils)	(1.0.	•
	—%-24x¾" No. 92268 Lockwasher— %x1/8x32"		No.	o. 99837 Magneto Assembly	6	
99955 P	ump Assembly—Oil	1		sed on type No. 206185.		
290290 R	ing Set—Standard Piston	3		cludes: No. 86025 Wire—Ground	1	
290291 F	ling Set O.S. Piston	3	No	o. 290846 Magneto Assembly	6	
290292 F	ling Set—.030" O.S. Piston	3 3		sed on type No. 206386.		
290413 C	Cap—Oil Filler			cludes: No. 290020 Wire — Ground	1	
290548 B	regither Assembly	. 2	No	o. 290879 Magneto Assembly	6	
290568 L	ever Assembly — Control (Stamped	l	Ü	sed on type No. 206191.		
	Steel)	. 4	In	cludes: No. 66155 Wire—Ground	1	
1	Note: No. 29035 Lever Assembly—Control	- . 8	No	o. 290896 Magneto Assembly.	6	
	Used on type No. 206512.		206338,	sed on type Nos. 206189, 206194,		
	No. 89583 Lever Assembly—Con			cludes: No. 65985 Wire—Ground	1	
	trol	. 8	290792 Pigte	Magneto	2	
,	Used on type Nos. 206164, 206187	*	Note: No	o. 99646 Plate—Magneto	(Not available	ə)
4	06202, 206207, 206338. (No. 92282 Screw — Ma	ı <u>-</u>	11:	sed on type Nos. 206164, 206167.		
	chine, Rd. Hd.—10-2-	4	206182,	206184, 206187, 206201, 206356. (No. 22037 Spacer	1	
	Includes: x½"	. 1	1m	ncludes: No. 99647 Block—Termi		
	No. 92289 Screw — Mo chine, Rd. Hd.—10-2	4		nal	4	,
	x7/8" (2)	. 1	N	o. 99650 Plate—Magneto	(Not available	e)
290584	Base—Control Lever (Stamped Steel)	. 2	บ	sed on type No. 206195.	· 1	
	Note: No. 21441 Base — Control Leve	T .	Ψ	No. 22037 Spacer		
	(Cast Iron)	. 4	11.	nal	2	
	Used on type Nos. 206164, 206187	· ·	N	lo. 290869 Plate—Magneto	2	
	206202, 206207, 206338. No. 65631 Base — Control Leve	er	TT	ised on type Nos. 206153, 206174	,	
	(Cast Iron)	. 4	206185,	206191, 206203, 206205, 206305	ı	
	Used on type No. 206512.		206368,	206378, 206467, 206469, 206524 207114, 207119, 207122.		
290596	Ring Set—.020" O.S. Piston	. 3	ZU/IUS,	Assembly—Control	. 3	
290542	Lever—Control (Stamped Steel) Magneto Assembly	_	agnoon Din Acc	sembly—Piston (Standard)	. 4	
200700	Note: No. 89013 Magneto Assembly	. 6	200921 Din Ass	embly—Piston (.005" O.S.J	. 4	
	Used on type Nos. 206153, 20617	4,	*201201 Casket	t—Cylinder Head (†ε" inick).	, 1	
	206205, 206305, 206368, 206378, 20646	/, /	*Note:	No. 67537 Gasket — Cylinde Head (32" thick)	r . 1	
	206524, 207105, 207114, 207119, 20712; Includes: No. 65335 Wire—Groun	z. id l		Used with cast iron and earlie	Г	
	No. 89195 Magneto Assembly			type aluminum cylinder heads		
	Used on type Nos, 206340, 20637	1,	291376 Gasket	Set	. 4	
	206372, 206375, 206376, 206385, 20701	2,	291379 Head A	Assembly—Cylinder	. 1 8	
	207016, 207027.	l v	Note: 1	No. 21099 Head—Cylinder	. 2	
	No. 99652 Magneto Assemb. (Light Colls and Ground Wit	e) (Not available)	Ţ	Used on type No. 206338.		
	Used on type No. 206195.		r	No. 291381 Head Assembly – Cylinder	. 1 8	
	Includes: No. 65985 Wire—Groun		1	Used on type Nos. 206340, 20637		
	No. 99661 Magneto Assemb			, 206375, 206376, 206385, 207013		
	(Light Coils and Ground Win Used on type Nos. 206164, 20616	•		, 207027.		
	Open out the treet pears it pears	•				

*Included in Gasket Set --- Part No. 291376

Before ordering parts, read instructions top page 11







ASSEMBLIES INCLUDE ALL PARTS SHOWN IN BRACKETS
ABOVE PARTS LISTED ON PAGE 11 THROUGH 18

Briggs & Stratton Gasoline Motors are precision built and require original Briggs & Stratton replacement parts in order to obtain satisfactory results. Service that is not reliable or continuous becomes expensive at any price.

Users will find that the prices paid for **original** repair parts are well worth the investment when the service delivered is compared with that afforded by substitute parts. **Original** Briggs & Stratton repair parts can be obtained through all Authorized Central Service Distributors listed on page 23.

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