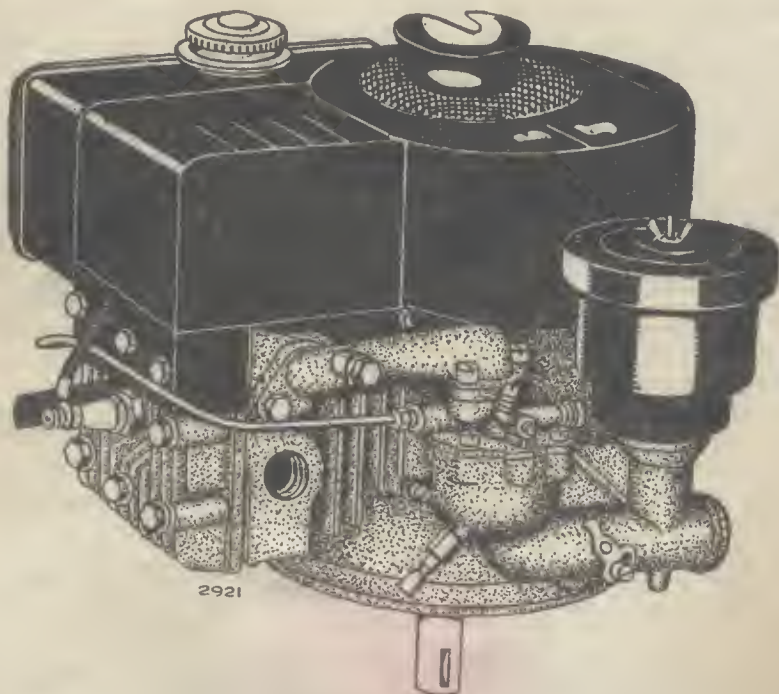


OPERATING INSTRUCTIONS

Adjustment and Repair
Instructions • Parts List



MODELS "6B-H"—"6B-HF"



BRIGGS & STRATTON CORP., Milwaukee 1, Wis., U. S. A.

IMPORTANT!

Read these instructions carefully before operating this Engine 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 Engine. This book tells you how.

Each Engine 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 ENGINE UNTIL YOU HAVE READ CAREFULLY THE INSTRUCTIONS ON PREPARING THE ENGINE, PAGE 3.

For Maintenance Adjustments, see pages 6 to 9.

If you have difficulty in operating your engine and you need outside help, contact your dealer or nearest member of our Authorized Service Organization. See back cover.

Briggs & Stratton manufactured only the engine on your powered equipment. For other service or parts, write to the manufacturer of the complete equipment or see the dealer from whom purchased.

CAUTION!

1. **PROVIDE EFFICIENT VENTILATION.** Exhaust gases contain carbon monoxide which is odorless and a deadly poison. Proper care must be taken to provide efficient ventilation.
2. **DO NOT FILL GASOLINE TANK WHILE ENGINE IS RUNNING.** Avoid spilling gasoline on a hot engine — this may cause an explosion and serious injury.
3. **KEEP ENGINE CLEAN.** This engine is air-cooled. If cooling system becomes clogged, serious damage may result. Therefore, keep the blower screen, fins on flywheel, cylinder head and block free from grass or dirt.

GENERAL INFORMATION

This engine is a single cylinder, L-Head air-cooled type; bore $2\frac{3}{16}$ " and stroke $1\frac{1}{2}$ ". It is rated at:

1.28 H.P. at 2200 R.P.M.

1.90 H.P. at 3200 R.P.M.

1.71 H.P. at 2800 R.P.M.

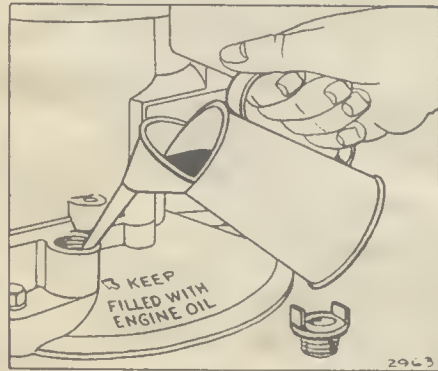
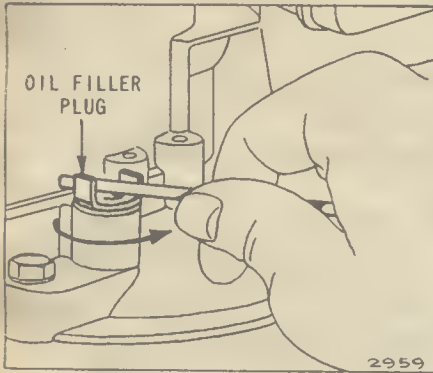
2.00 H.P. at 3600 R.P.M.

The horsepower ratings listed above are established by standard I.C.E.I. procedures. For practical operation, the horsepower loading should not exceed 85 per cent of these ratings. Engine power will decrease $3\frac{1}{2}$ per cent for each 1,000 feet above sea level, and 1 per cent for each 10 degrees above 60 degrees F.

PREPARATION OF ENGINE BEFORE STARTING

Fill Oil Sump With Oil

Remove the oil filler plug located on the base of the oil sump. Use screwdriver or bar.

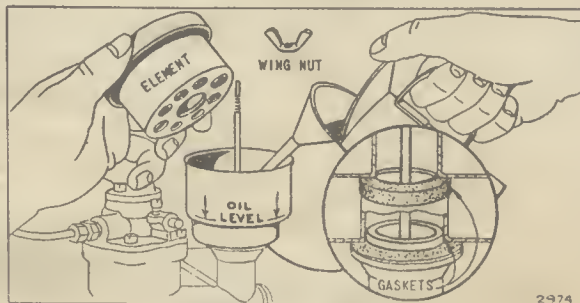


Place the engine level. Pour oil in the opening until it rises to the top of the filler opening. Replace the filler plug. Screw it down tight.

For temperatures 32° and above use Mobiloil Arctic (S.A.E. No. 20) or equal. For temperatures below 32° use Mobiloil 10W (S.A.E. No. 10W) or equal.

Put Oil In Air Cleaner

Air cleaner protects engine from grit and dirt. Use the same oil as in the crankcase. Remove wing nut. Lift out filter element. Pour in oil to "oil level" mark at end of arrows. Replace element and wing nut. Be sure gaskets are in place. See inset.



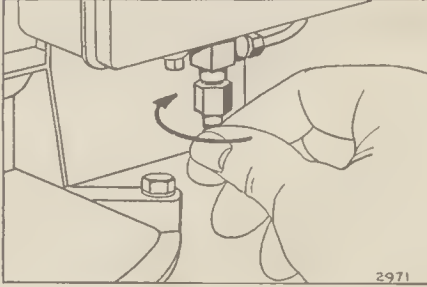
Fill Fuel Tank

Use a good grade of regular, clean, fresh gasoline such as Mobilgas. *Never use gasoline that has been standing in a can for several months* as gum may form under such conditions and clog the carburetor, fuel tank, etc. See that vent hole in cap is open. **DO NOT MIX OIL WITH GASOLINE.**

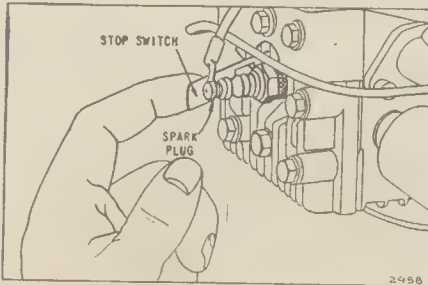
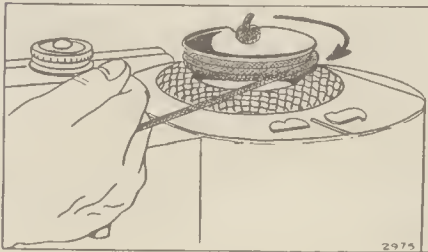
USING THE ENGINE

To Start Engine

1. Be Sure the Stop Switch Is Away from Spark Plug

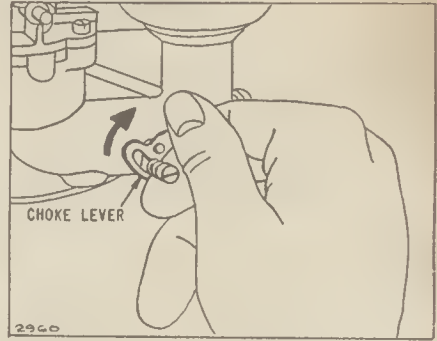


2. Open Fuel Valve Under Fuel Tank



Change Oil (Oil Sump)

Change oil after first 5 hours of operation. Remove the oil filler cap. Unscrew oil drain plug. Drain and refill. Replace drain plug. Add oil regularly after each 5 hours of operation. Thereafter change oil every 25 hours of operation.



3. Close the Choke

Move lever in direction of arrow.

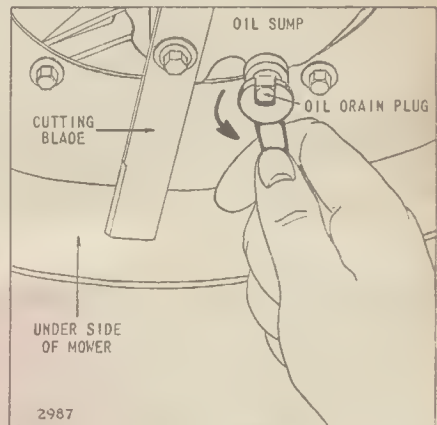
4. Place the Knot In Slot

Wind the starter rope around the pulley in direction shown by arrow. Then turn the pulley in the opposite direction (counterclockwise) until compression is felt. Pull the rope with a quick full arm stroke. Repeat if necessary with choke opened slightly. When engine starts open choke gradually.

RECOIL STARTER. Pull fast on rope and return slowly. Keep firm hold on starter grip until fully returned.

To Stop Engine

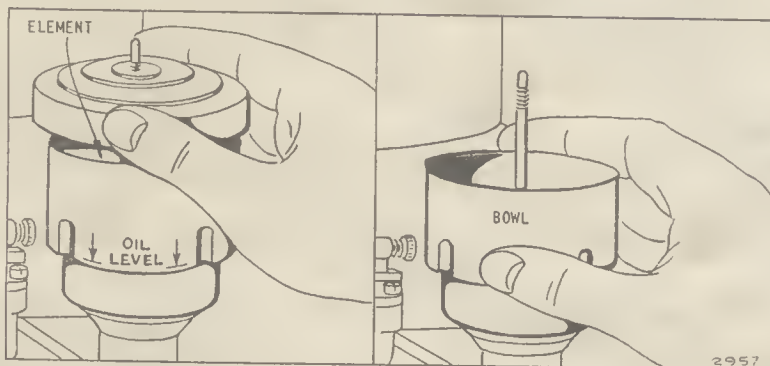
- ← Push the stop switch against the end of spark plug.



USING THE ENGINE

Change Oil (Air Cleaner)

Check the air cleaner frequently (every hour under extremely dusty conditions). Clean and refill at least every 25 hours.



- 1. Remove Wing Nut**
- 2. Lift Out Element**
- 3. Lift Off Bowl**
- 4.** Pour out old oil. Wash the filter element in gasoline. Clean bowl, wipe dry. Replace bowl. Pour in oil to "oil level" mark shown. Replace filter element and wing nut. Be sure gaskets are in place.

STORAGE INSTRUCTIONS

Engines stored any length of time should be completely drained of fuel to prevent gum deposits forming on essential parts such as the carburetor, fuel filter, fuel lines, and tank.

Such deposits may affect the operation of the engine when again used. Therefore, it is important that the following instructions be adhered to before storing the engine:

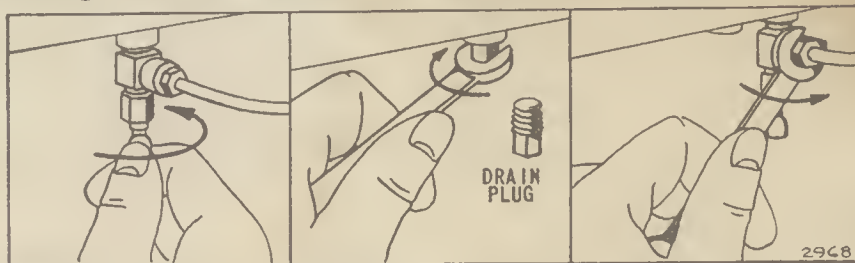
- Remove fuel tank drain plug. Open fuel valve. Drain tank completely.
- Operate engine until it stops from

exhaustion of fuel to clean gasoline out of carburetor.

- While the engine is still warm, drain and clean the crankcase. Refill with fresh oil.
- Replace fuel tank drain plug.
- Leave fuel valve open.
- Remove spark plug, pour one ounce of S. A. E. No. 20 oil into cylinder and crank slowly to spread oil. Replace spark plug.
- Clean dirt and chaff from cylinder and cylinder head fins, blower housing, etc.

MAINTENANCE ADJUSTMENTS

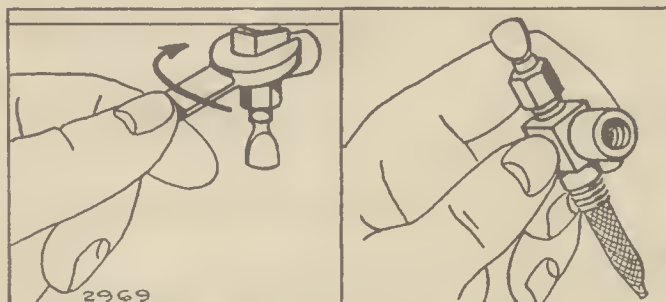
Draining Fuel Tank and Cleaning Fuel Filter



1. Close Fuel Valve

2. Remove Fuel Tank Drain Plug

3. Detach Fuel Pipe



4. Remove Fuel Filter From Fuel Tank

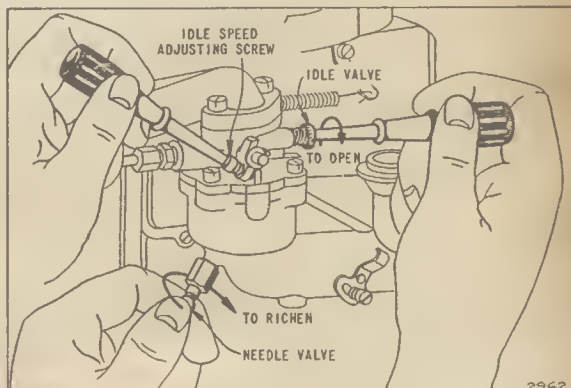
5. Clean With Gasoline. Screen Not Removable. Replace Filter, Pipe Plug, and Fuel Line.

Carburetor Adjustments

Close the needle valve. Now open it $1\frac{1}{2}$ turns. Close the idle valve. Open it $\frac{1}{2}$ to $\frac{3}{4}$ turn. Start engine and allow it to warm up.

Turn needle valve in until engine misses, then turn it out past smooth operating point until engine runs unevenly. Now turn needle valve in just far enough so engine runs smoothly.

Set idle speed adjusting screw until engine idles at 1750 R.P.M. Hold throttle in idle position. Turn idle valve in or out until engine picks up speed and runs smoothly. Then again reset idle speed adjusting screw to bring engine to 1750 R.P.M. idling speed. Release throttle. Engine should accelerate without hesitation or sputtering. If it does not accelerate properly, the needle valve should be reset, usually to a richer mixture.



MAINTENANCE ADJUSTMENTS

Governor Adjustments

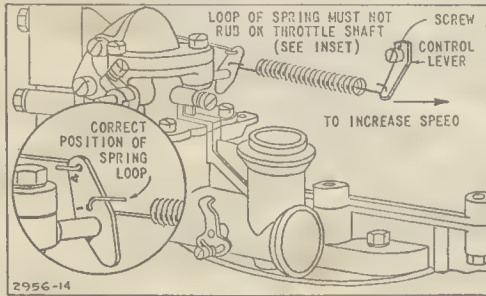
The correct operating speed range is 2600 to 3600 R.P.M. The standard speed setting (no load) is 3300 R.P.M. Idle speed is 1750 R.P.M.

SPEED CONTROL

There are two different types of speed controls on these engines.

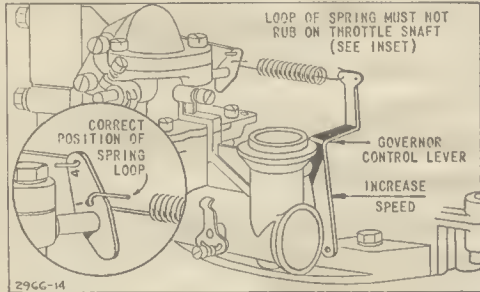
1. Control Lever Mounted On Cylinder

To change speed of engine loosen screw holding governor control lever. Move lever to the RIGHT to increase speed and to the LEFT to decrease speed. Tighten screw. Governor link should always be in hole No. 4 of the throttle lever of carburetor. Spring should be in hole No. 1 of throttle lever.



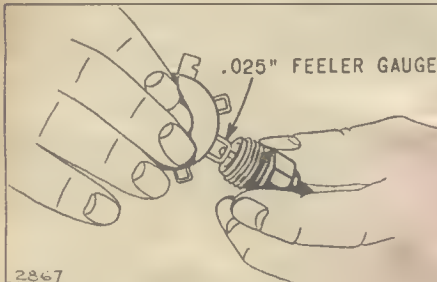
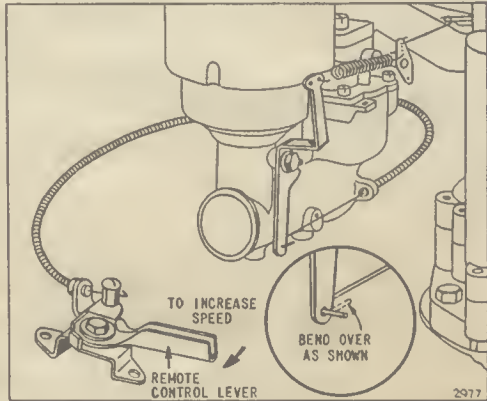
2. Hand Governor Control

To change speed of engine move lever to the LEFT to increase speed and to the RIGHT to decrease speed. Governor link should always be in hole No. 4 and spring in hole No. 1 of throttle lever on carburetor.



Remote Governor Control

Engine speed is controlled by movement of the control lever as shown. Move remote control lever to HIGH speed position. Loosen screw on swivel. Move wire through swivel until desired operating speed is obtained. Retighten swivel screw, bend loose end of wire around swivel. Cut off excess wire.

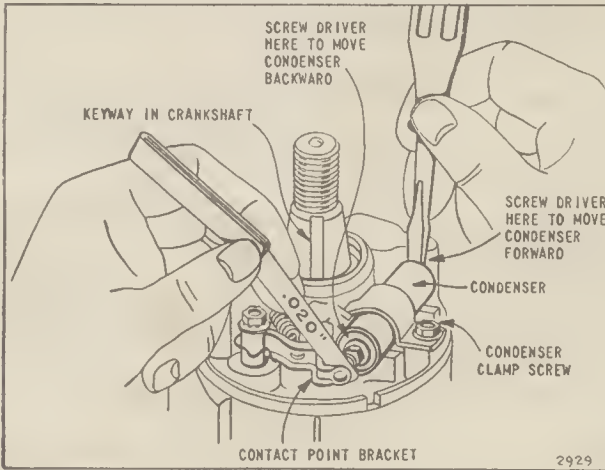


To Check Spark Plug Gap

Spark plug is 14mm (USE CHAMPION J-8 OR EQUIVALENT). Keep a fresh plug on hand. Clean and reset the gap at .025" every 100 hours of operation. Use some graphite grease on threads when replacing spark plug.

MAINTENANCE ADJUSTMENTS

To Adjust and Clean Contact Points



Blower housing, flywheel, and magneto point dust cover must be removed. Points must be clean and line up squarely to make good contact. Do not file points — use fine sandpaper or hone to dress the points. Turn the crankshaft until points open to widest gap, or until keyway on crankshaft lines up with the plunger. Tighten the condenser clamp screw. Move condenser forward or backward with screwdriver until gap of .020" is obtained. If either or both points become badly pitted or burned, replace with complete new Contact Point Bracket and Condenser.

To Remove Flywheel

Rope Starter

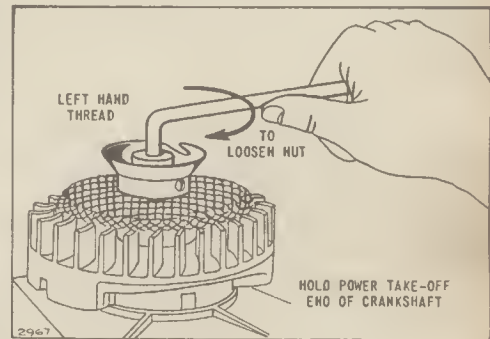
Remove the blower housing. Bolt or clamp the engine to a workbench. Hold the power take-off end of crankshaft to prevent rotation, or use Flywheel Holder 61741-T19. Use a large wrench 10" or longer. Turn the nut to the RIGHT until loosened.

Recoil Starters

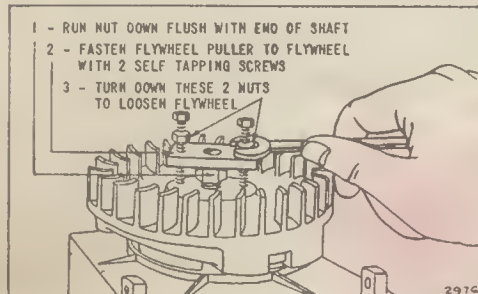
Same as above, except turn clutch housing to left. (Right-hand thread.)

Never Try to Pry Off Flywheel

After removing nut, washer and pulley, loosen flywheel by using Flywheel Puller No. 293596. Pull off flywheel. Save key.



To Remove Flywheel With Flywheel Puller



Screw the nut back on shaft until it is flush with threads. Fasten flywheel puller to flywheel by screwing two self-tapping screws into holes provided in flywheel. Turn down the two nuts gradually until flywheel is loosened. Pull off flywheel. Save key.

MAINTENANCE ADJUSTMENTS (Cont'd)

To Reassemble Flywheel

Clean flywheel hole and tapered end of crankshaft thoroughly. Place flywheel on crankshaft and align keyways. Insert and push it securely into place. If key is partially sheared or damaged replace with a new key (Part No. 61760). This is a soft metal key. Do not use steel key. Assemble pulley and spring washer with the hollow side next to pulley. Put on nut. Hold power take-off end of crankshaft and draw nut up tight with a wrench. Replace blower housing.

IMPORTANT NOTICE

This book includes only necessary information for running your engine. Unless you have a thorough knowledge of internal combustion engines and proper tools, we do not recommend that you attempt to make major engine repairs. This does not mean that you shouldn't make necessary adjustments and simple repairs, but in case of emergency we advise you to get in touch with the nearest member of our Nation-wide Service Organization described on page 19.

PARTS SECTION INDEX

How to Find the Correct Number of Part You Need.....	(See below)
Numerical Parts List.....	Page 14-17
Illustrations of Parts Groups:	
Cylinder, Piston, Connecting Rod, Crankshaft, Flywheel, and Mag- neto Parts	11
Fuel System and Blower Housing Parts.....	12
Recoil Starter Parts.....	13



HOW TO FIND THE CORRECT NUMBER OF THE PART YOU NEED

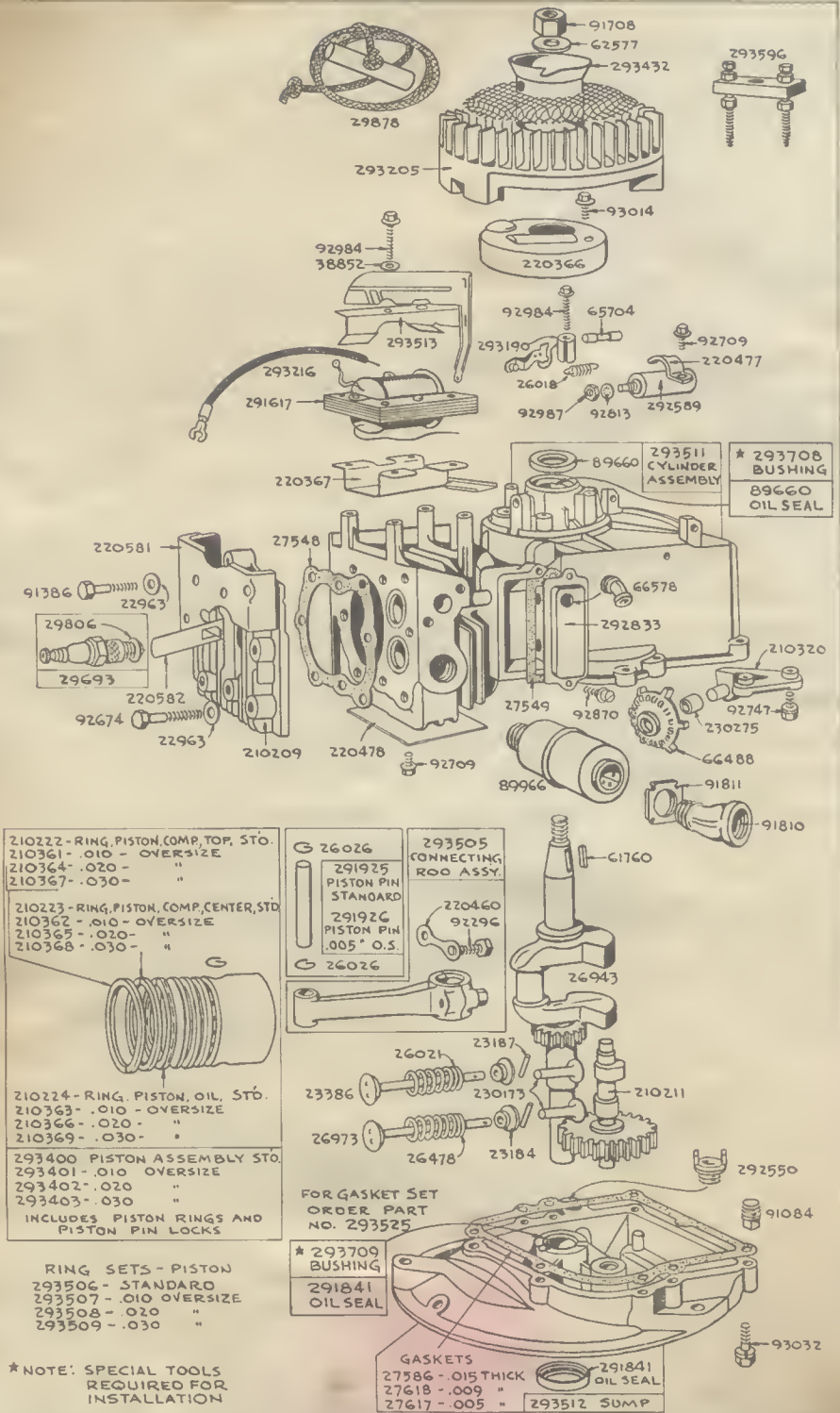
- a. Make a note of your engine MODEL AND TYPE NUMBER (not the Serial number) that appears on the metal nameplate attached to blower housing.
- b. Refer to pages illustrating parts and locate the Master Part Number by comparing your old part with illustrations. Assemblies include all part numbers shown in frames in illustration. All parts shown in assembly frames on which part numbers are given can be purchased separately.
- c. After the Master Part Number has been identified, refer to the following Parts List where these Master Part Numbers are listed in numerical order.

THE MASTER PART IS USED ON ALL TYPES OF ENGINES EXCEPT THOSE TYPES LISTED UNDER "NOTE."

- d. If a "Note" appears below the Master Part Number, this means that this part is made differently from the Master Part for certain types, and if your type is listed under "Note" order the part referred to.
- e. If your Engine Type Number does not appear after any part number listed under "Note," order the Master Part Number.
- f. When ordering parts—or writing for service information—always specify the MODEL NUMBER—TYPE NUMBER—and SERIAL NUMBER of your engine.

g. All parts should be ordered from the nearest member of our Nation-wide Service Organization. (See back cover.) In ordering parts by mail, selling prices will be furnished on request or parts will be shipped at prevailing prices.

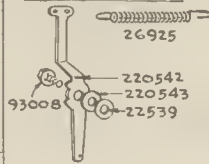
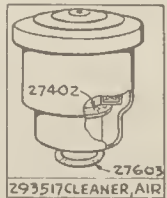
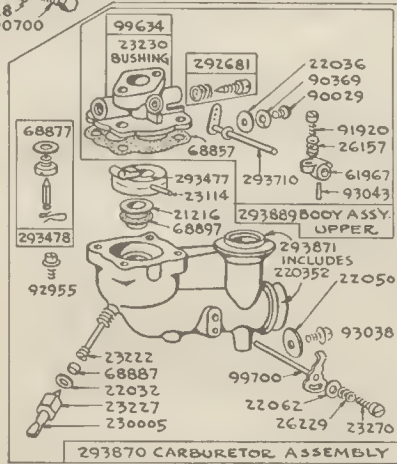
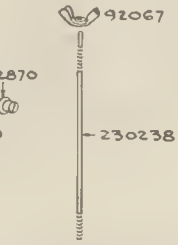
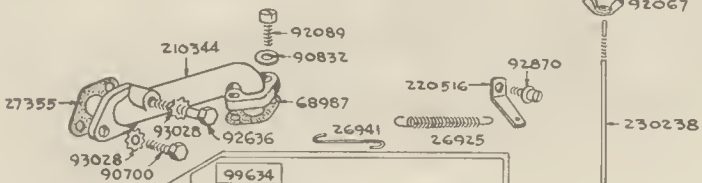
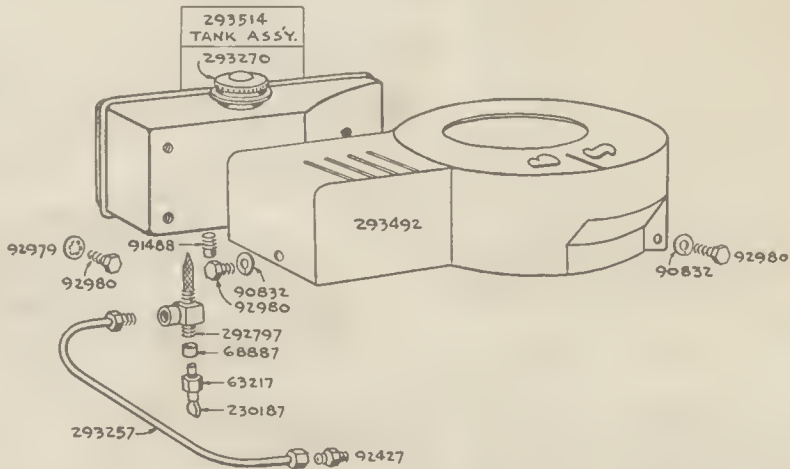
PARTS SECTION



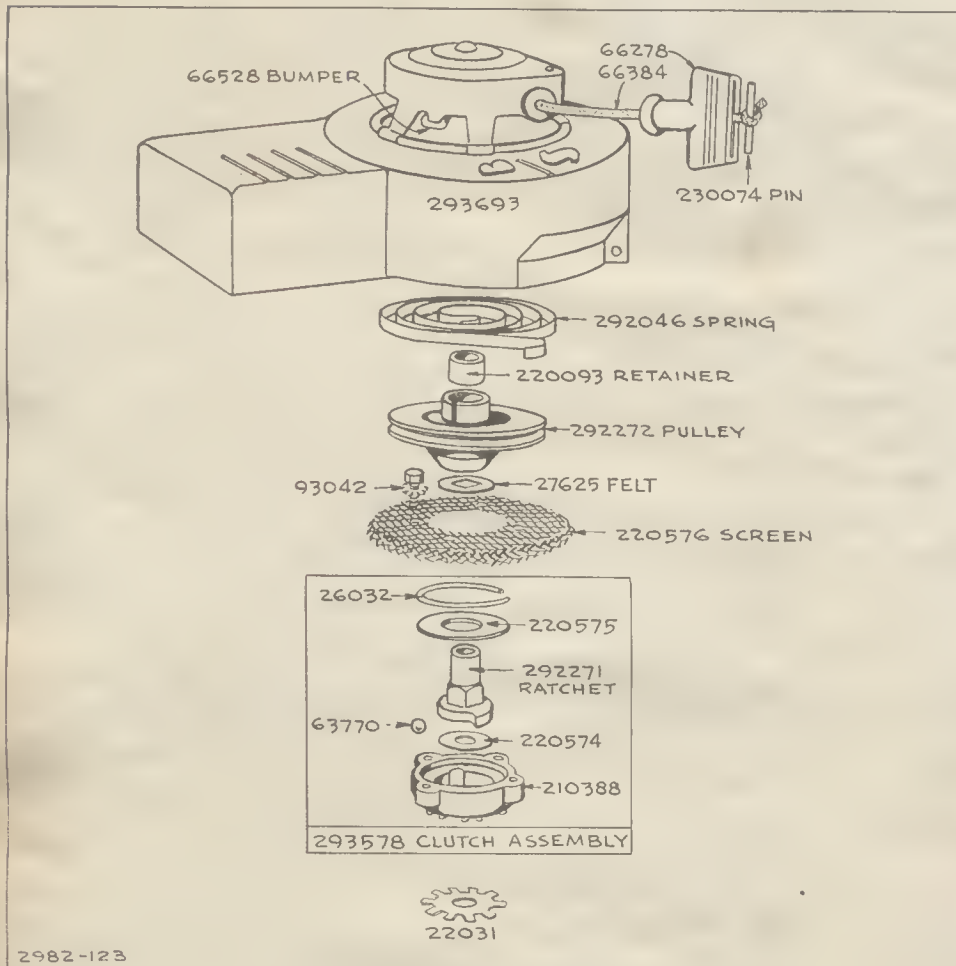
2952-64

CYLINDER, PISTON, CONNECTING ROD, CRANKSHAFT, FLYWHEEL,
AND MAGNETO PARTS — Assemblies include all parts shown in frames

PARTS SECTION



FOR CARBURETOR OVERHAUL KIT ORDER 291691



RECOIL STARTER PARTS

Assemblies include all parts shown in frames.

PARTS SECTION

NUMERICAL PARTS LIST

MASTER PART No.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
21216	Venturi—Carburetor		1
22031	Lock—Clutch Housing		2
+22032	Washer—Needle Valve Packing		1
22036	Valve—Throttle		1
22050	Valve—Choke		1
22062	Washer—Choke Lever		1
22539	Washer—Governor Control Lever		1
22963	Washer—Cylinder Head		1
+23114	Pin—Float Hinge		1
23184	Retainer—Valve Spring		1
23187	Pin—Valve Spring Retainer		1
+23222	Nozzle—Carburetor		1
+23227	Nut—Needle Valve Packing		1
23230	Bushing—Throttle Shaft		1
23270	Screw—Choke Lever		1
23380	Valve—Intake		1
26018	Spring—Breaker Arm		1
26021	Spring—Intake Valve		1
26026	Lock—Piston Pin		1
26032	Spring—Clutch Retainer		1
+26157	Spring—Throttle Adjustment		1
26229	Spring—Choke Lever		1
26478	Spring—Exhaust Valve		1
26925	Spring—Governor		1
26941	Link—Governor		1
26943	Crankshaft	1	
	<i>Note:</i> No. 26970 Crankshaft	1	
	Used on type Nos. 900511, 900535, 900542, 900547, 900549, 900556, 900564, 900578, 900579.		
	No. 26977 Crankshaft	1	
	Used on type Nos. 900512, 900533, 900540, 900543.		
	No. 26978 Crankshaft	1	
	Used on type Nos. 900513, 900545, 900563.		
	No. 26980 Crankshaft	1	
	Used on type Nos. 900515, 900537, 900541, 900560, 900561, 900572, 900576, 900580, 900584.		
	No. 26988 Crankshaft	1	
	Used on type No. 900552.		
	No. 26989 Crankshaft	1	
	Used on type No. 900551.		
	No. 26997 Crankshaft	1	
	Used on type Nos. 900559, 900574, 900583.		
	No. 26998 Crankshaft	1	
	Used on type Nos. 900568, 900573.		
	No. 26999 Crankshaft	1	
	Used on type No. 900555.		
	No. 260003 Crankshaft	1	
	Used on type No. 900517.		
	No. 260004 Crankshaft	1	
	Used on type No. 900546.		
	No. 260005 Crankshaft	1	
	Used on type Nos. 900516, 900548, 900554, 900565, 900577, 900582.		
	No. 260006 Crankshaft	1	
	Used on type Nos. 900518, 900566.		
	No. 260023 Crankshaft	1	
	Used on type No. 900570.		
26973	Valve—Exhaust		2
*27355	Gasket—Intake Elbow Mounting		1
27462	Gasket—Air Cleaner		1

+ Included in Carburetor Overhaul Kit — Part No. 291691.

* Included in Gasket Set — Part No. 293525.

PARTS SECTION

MASTER PART No.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
*27548	Gasket—Cylinder Head		1
*27549	Gasket—Valve Cover		1
*27586	Gasket—Crankcase—.015" Thick (Standard).....		1
*27603	Gasket—Air Cleaner Mounting		1
27625	Washer—Ratchet Sealing (Used after Serial No. 231355).....		1
*27617	Gasket—Crankcase—.005" Thick		1
*27618	Gasket—Crankcase—.009" Thick		1
29093	Plug—Spark (with Gasket)		3
29806	Gasket—Spark Plug		1
29878	Rope—Starter		6
	Note: No. 69932 Rope—Starter		6
	Used on type Nos. 900532, 900550.		
38852	Washer—Armature Mounting		1
61790	Key—Flywheel		1
61907	Stop—Throttle Lever		1
62577	Washer—Flywheel		1
63217	Nut—Needle Valve Packing		1
63770	Ball—Clutch		1
65704	Plunger—Breaker Point		1
66278	Grip—Starter Rope		2
66384	Rope—Starter		1
66488	Slinger—Oil		1
66528	Bumper—Starter Pulley		1
66578	Grommet—Breather Cover		1
†68857	Gasket—Carburetor Body		1
68877	Gasket—Fuel Inlet Valve Seat		1
†68887	Packing—Needle Valve		1
68897	Gasket—Carburetor Venturl		1
*68987	Gasket—Carburetor Mounting		1
89060	Seal—Oil		1
89066	Muffler		4
	Note: No. 292054 Muffler—Exhaust		6
	Used on type Nos. 900531, 900536, 900540, 900547, 900551, 900559, 900563, 900566, 900568, 900574, 900583, 900584.		
90029	Screw—Machine, Rd. Hd.—4-36x $\frac{1}{2}$ "		1
90369	Washer—Lock—No. 4x $\frac{1}{2}$ x $\frac{1}{2}$ "		1
90700	Screw—Cap, Hex. Hd.— $\frac{1}{4}$ -20x $\frac{3}{4}$ "		1
90832	Washer—Lock— $\frac{1}{4}$ x $\frac{3}{4}$ x $\frac{1}{4}$ "		1
91084	Plug—Oil Drain		1
91286	Screw—Cylinder Head (2" long)		1
91488	Plug—Pipe, $\frac{1}{8}$ " Standard, Sq. Hd.		1
91708	Nut—Flywheel		1
91810	Elbow—Exhaust (45° Street)		3
	Note: No. 91812 Elbow—Exhaust (90° Street).....		3
	Used on type Nos. 900554, 900565.		
91811	Locknut—Exhaust Elbow		1
91920	Screw—Machine, Fill. Hd.—8-32x $\frac{5}{8}$ "		1
92007	Nut—Wing		1
92089	Screw—Machine, Fill. Hd.— $\frac{1}{4}$ -20x $\frac{3}{4}$ "		1
92206	Screw—Connecting Rod		1
92427	Connector—Tubing		1
92636	Screw—Cap, Hex. Hd.— $\frac{1}{4}$ -20x2"		1
92674	Screw—Cylinder Head (2 $\frac{3}{8}$ " long)		1
92709	Screw—Condenser Clamp and Cylinder Shield Mounting Sem.....		1
92747	Screw—Oil Slinger Bracket Mounting Sem		1
92813	Washer—Lock—Shakeproof		1
92879	Screw—Throttle Clip and Breather Mounting Sem.....		1
92953	Screw—Throttle Housing Mounting Sem		1
92979	Washer—Lock—Shakeproof		1
92980	Screw—Fuel Tank and Blower Housing Mounting Sem.....		1

* Included in Gasket Set — Part No. 293525.

† Included in Carburetor Overhaul Kit — Part No. 291691.

PARTS SECTION

MASTER PART No.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
92984	Screw—Armature and Breaker Arm Mounting Sem.....		1
92987	Nut—Condenser Terminal		1
93008	Screw—Governor Control Lever Mounting Sem.....		1
93014	Screw—Dust Cover Mounting Sem		1
93028	Washer—Lock—Shakeproof		1
93032	Screw—Sump Mounting Sem		1
93038	Screw—Choke Valve Mounting Sem		1
93042	Screw—Rotating Screen Mounting Sem		1
93043	Pin—Throttle Stop		1
99634	Body—Upper Carburetor		4
99700	Shaft and Lever—Choke		2
216209	Head—Cylinder		14
210211	Gear—Cam	1	4
210222	Ring—Piston, Compression, Top—Standard		1
210223	Ring—Piston, Compression, Center—Standard		1
210224	Ring—Piston, Oil—Standard		1
210320	Bracket—Oil Slinger		3
210344	Elbow—Intake		6
210361	Ring—Piston, Compression, Top—.010" O.S.		1
210362	Ring—Piston, Compression, Center—.010" O.S.		1
210363	Ring—Piston, Oil—.010" O.S.		1
210364	Ring—Piston, Compression, Top—.020" O.S.		1
210365	Ring—Piston, Compression, Center—.020" O.S.		1
210366	Ring—Piston, Oil—.020" O.S.		1
210367	Ring—Piston, Compression, Top—.030" O.S.		1
210368	Ring—Piston, Compression, Center—.030" O.S.		1
210369	Ring—Piston, Oil—.030" O.S.		1
210388	Housing—Starter Clutch	1	
220093	Retainer—Spring		1
220352	Plug—Welch		1
220366	Cover—Breaker Point and Condenser		1
220367	Shield—Ignition Coil		1
220400	Lock—Connecting Rod Screw		1
220477	Clamp—Condenser		1
220478	Shield—Cylinder		3
220516	Clip—Throttle Spring		1
220542	Lever—Governor Control		2
220543	Washer—Governor Control Lever Mounting		1
220574	Washer—Starter Clutch, Thrust		1
220575	Washer—Clutch Retainer		1
220576	Screen—Recoil Starter		2
220581	Cover—Cylinder Head		2
	Note: No. 220354 Cover—Cylinder Head (with stop switch).....		2
	Used on engines before serial No. 76400.		
220582	Switch—Stop		1
230074	Pin—Starter Grip		1
230005	Valve—Needle		1
230173	Tappet—Valve		1
230187	Valve—Fuel Shut-off		1
230238	Stud—Air Cleanser		1
230275	Bushing—Oil Slinger		1
291617	Armature—Magneto	1	2
291691	Carburetor Overhaul Kit		6
291841	Seal—Oil		1
291925	Pin Assembly—Piston—Standard		3
291026	Pin Assembly—Piston—.005" O.S.		3
292046	Spring—Starter		6
292271	Ratchet—Recoil Starter		3
292272	Pulley—Recoil Starter	1	
292550	Plug—Oil Filler		2
293578	Clutch Assembly—Starter	1	8

PARTS SECTION

MASTER PART No.	NAME	SHIPPING WEIGHT	
		Lbs.	Os.
292589	Condenser		2
292681	Valve Assembly—Carburetor Idle		1
292797	Outlet—Fuel Tank (includes strainer)		2
292833	Breather—Valve Chamber		2
293190	Arm—Ignition Breaker		1
293205	Flywheel—Magneto	1	12
	<i>Note: No. 29835 Flywheel—Magneto</i>	6	
	Used on type Nos. 900545, 900549, 900551, 900552, 900553, 900556, 900557, 900563, 900566, 900579, 900582.		
293216	Cable—Ignition		2
293257	Pipe—Fuel—12 $\frac{1}{4}$ " long		3
293270	Cap—Fuel Tank		2
293400	Piston Assembly—Standard		8
293401	Piston Assembly—.010" O.S.		8
293402	Piston Assembly—.020" O.S.		8
293403	Piston Assembly—.030" O.S.		8
293432	Starter Pulley with Screen		8
	<i>Note: No. 293704 Starter Pulley with Screen</i>		8
	Used on type Nos. 900545, 900549, 900552, 900553, 900556, 900557, 900563, 900579.		
293477	Float—Carburetor		8
†293478	Valve and Seat—Fuel Inlet		1
293492	Housing—Blower		14
293505	Rod Assembly—Connecting		10
293506	Ring Set—Standard Piston		3
293507	Ring Set—.010" O.S. Piston		3
293508	Ring Set—.020" O.S. Piston		3
293509	Ring Set—.030" O.S. Piston		3
293511	Cylinder	8	6
293512	Sump—Oil	1	10
	<i>Note: No. 293597 Sump—Oil</i>	1	10
	Used on type Nos. 900530, 900533, 900543, 900549, 900582.		
293513	Blade—Governor		3
293514	Tank Assembly—Fuel	1	
293517	Cleaner Assembly—Air	1	
293525	Gasket Set		4
293578	Clutch Assembly—Starter	1	8
293596	Puller—Flywheel (optional accessory)		8
293693	Housing—Blower	2	
293708	Bushing—Cylinder		3
	<i>Note: Requires special tools for installation.</i>		
293709	Bushing—Oil Sump		3
	<i>Note: Requires special tools for installation.</i>		
293710	Shaft and Lever Assembly—Throttle		1
293870	Carburetor Assembly (with breather tube)	1	
	<i>Note: No. 293516 Carburetor Assembly (without breather tube).....</i>	1	
	Used on earlier model engines.		
293871	Body—Lower Carburetor (with breather tube).....		6
	<i>Note: No. 293515 Body—Lower Carburetor (without breather tube)...</i>		6
	Used on earlier model engines.		
293889	Body Assembly—Upper Carburetor		4

† Included in Carburetor Overhaul Kit — Part No. 291691.

MEMOS

NATION-WIDE SERVICE ORGANIZATION

To provide prompt and efficient service on Briggs & Stratton engines, Authorized Service Distributors and Engine Service Stations are located in the principal cities of the United States and Canada.

Each Authorized Service Organization carries a stock of original Briggs & Stratton repair parts. Each is equipped with special factory service tools and factory-trained mechanics, assuring expert repair service on all Briggs & Stratton engines.

All Authorized Service Organizations are instructed by the factory to replace free of charge all parts found to be defective in either material or workmanship, according to the conditions of the Briggs & Stratton Warranty.

All gratis work done under the warranty is the responsibility of the Authorized Service Organization until all the material involved and supporting facts are submitted to and approved by the factory.

In a difference of opinion regarding a Service Organization's decision, their terms should be accepted and, either through them or direct, have all materials and supporting facts submitted to the factory for review.

Genuine Briggs & Stratton service will assure continuous engine satisfaction. Our long experience in engine maintenance prompts us to urge that all service work be done by an Authorized Service Organization or at our factory. Mechanics unfamiliar with Briggs & Stratton products, or without proper tools, should not be permitted to make major repairs.

Parts and repair work are F. O. B. Factory or any member of Authorized Briggs & Stratton Service Organization. The Service Distributor nearest you (see back cover page) will be glad to give you the name of our Engine Service Organization in your locality. Space does not permit listing here.

BRIGGS & STRATTON ENGINE WARRANTY

BE SURE TO FILL IN AND MAIL WARRANTY REGISTRATION CARD WHICH ACCOMPANIED ENGINE AT TIME OF PURCHASE

THE WARRANTY — For Ninety Days from purchase date, Briggs & Stratton Corporation will replace for the original purchaser, FREE OF CHARGE, any part or parts found, upon examination at any factory Authorized Service Distributor or at our factory at Milwaukee, Wisconsin, or at any Authorized Service Distributor's place of business, to be defective under normal use and service, on account of defects in material or workmanship.

All transportation charges on part or parts submitted for replacement under this warranty must be borne by purchaser.

WHAT THIS WARRANTY DOES NOT INCLUDE — This warranty does not cover the free replacement of parts inoperative because of wear occasioned by use. It does not cover the labor cost of replacing parts, neither is it effective if the engine has been the subject of misuse, negligence, or accident, nor if it has been repaired or altered, outside of our Milwaukee Factory or at any factory-approved Service Station, in any way which, in our judgment, affects its condition or operation.

WARRANTY INSTRUCTIONS

When sending an engine, or engine parts, to a Briggs & Stratton Service Organization for service, at the same time always send by mail the following information: Model Letter (or Number), Type Number, and Serial Number of the engine. (Take from metal plate on engine.)

Date purchased.

Kind of equipment engine is used on.

Name or trademark of manufacturer.

Name and address of dealer from whom purchased.

Approximate number of hours engine has run since equipment was bought.

Also, give complete report of trouble experienced and special servicing instructions.

The above information is necessary to insure prompt and proper service.

AUTHORIZED SERVICE ORGANIZATION

There is a member of the Briggs & Stratton Service Organization in your neighborhood who is fully qualified to take care of your service needs. Space does not permit listing here, but if you will write to the nearest distributor listed below, they will be glad to supply you with name and address.

STATE	CITY	NAME	LOCATION
Alabama	Birmingham 3	Birmingham Electric Battery Co.	Ave. B. at 23rd St.
Arizona	Phoenix	Motor Supply Co.	402-414 N. Central Ave.
California	Los Angeles 15	Electric Equipment Co.	1611 S. Hope St.
California	San Francisco 9	Frank Edwards Co., Automotive Service Div.	382-4 Sixth St.
Colorado	Denver 1	Spitzer Electric Company	43 W. 9th Ave.
Florida	Jacksonville 1	Spencer Electric, Inc.	40 W. Beaver St.
Florida	Miami 32	Electric Equipment Co.	42-58 N. W. 4th St.
Florida	Tampa 1	Spencer Auto Electric, Inc.	607-11 E. Cass St.
Georgia	Atlanta 3	Auto Electric & Magneto Co.	477 Spring St., N. W.
Illinois	Chicago 16	Mid-States Auto Electric Co.	1905 S. Michigan Ave.
Indiana	Indianapolis 4	Galling Auto Electric Co.	450 N. Capitol Ave.
Iowa	Des Moines 9	Magneto Carburetor & Electric Co., Inc.	1308 Grand Ave.
Kansas	Wichita 2	The E. S. Cowie Electric Co.	230 S. Topeka Ave.
Kentucky	Lexington 34	Kentucky Ignition Co., Inc.	Rose and Vine Sts.
Kentucky	Louisville 2	Kentucky Ignition Co., Inc.	737 S. 3rd St.
Louisiana	New Orleans 1	A. C. Suhren Co.	4640 So. Carrollton Ave.
Louisiana	Shreveport	Chain Battery & Automotive Supply, Inc.	Spring at Fannin St.
Massachusetts	Boston 64	W. J. Connell Co.	210 Needham St.
Michigan	Detroit 38	Auto Electric & Service Corp.	15550 Woodrow Wilson Ave.
Minnesota	Minneapolis 2	Reinhard Brothers Co., Inc.	11 S. Ninth St.
Missouri	Kansas City 8	The E. S. Cowie Electric Co.	1819 Wyandotte St.
Missouri	St. Louis 3	Medart Auto Electric Co., Inc.	3134 Washington Blvd.
Montana	Billings	Original Equipment, Inc.	423 N. Broadway
Nebraska	Omaha 2	Carl A. Anderson, Inc.	16th and Jones St.
New Mexico	Albuquerque	Spitzer Electrical Co. of New Mexico	3rd and Mountain Rd.
New York	Buffalo 14	The Battery & Starter Co., Inc.	2505 Main St.
New York	New York 19	The Durham Co., Inc.	606 W. 49th St.
New York	Syracuse 4	F. A. Crossman, Inc.	943 W. Genesee St.
North Carolina	Charlotte 1	Automotive Electric Associates, Inc.	306-14 N. Graham St.
North Dakota	Fargo	Reinhard Brothers Co., Inc.	301 N. Pacific Ave.
Ohio	Cincinnati 2	Gardner, Inc.	1847 Reading Rd.
Ohio	Cleveland 15	The Electric Power & Maintenance Co.	Prospect at East 30th
Ohio	Toledo 2	Electric Power & Maintenance Co.	26-30 Seventeenth St.
Oklahoma	Oklahoma City 2	American Electric Ignition Co.	124 N. W. 8th St.
Oregon	Portland 9	Tracey & Co., Inc.	N. W. 10th and Glisan
Pennsylvania	Philadelphia 30	Autn Equipment & Service Co., Inc.	1522-24 Fairmount Ave.
Pennsylvania	Pittsburgh 24	Pitt Auto Electric Company	5135 Baum Blvd.
South Dakota	Sioux Falls	Reinhard Brothers Co.	225 E. 11th St.
Tennessee	Knoxville 7	R. T. Clapp Company	2016 Magnolia Ave., N.E.
Tennessee	Memphis 4	Automotive Electric Service Co.	982 Linden Ave.
Texas	Amarillo	The E. S. Cowie Electric Co.	700 E. 10th St.
Texas	Dallas 1	Bead & Stone Electric Company, Inc.	3909 Live Oak St.
Texas	El Paso	Motor Supply Co.	308 Chihuahua St.
Texas	Houston 1	Bead & Stone Electric Company, Inc.	Milam at Polk Ave.
Texas	San Antonio 6	S. X. Callahan	425 N. Flores St.
Utah	Salt Lake City 13	Frank Edwards Co., Motor Equipment Div.	551 So. State St.
Virginia	Richmond 21	Richmond Battery & Ignition Co.	2912 W. Leigh St.
Washington	Seattle 14	Sunset Electric Co.	300 Westlake North
Washington	Spokane	Sunset Electric Co.	N. 703 Division St.
Wisconsin	Milwaukee 2	Wisconsin Magneto Co.	918 N. Broadway

DOMINION OF CANADA

British Columbia	Vancouver	Auto Electric Service (Pacific) Ltd.	1025 Howe St.
Manitoba	Winnipeg	Auto Electric Service (Western) Ltd.	176 Fort St.
Ontario	Toronto 5	Auto Electric Service Company, Limited	1009 Bay St.

BRIGGS & STRATTON CORP., Milwaukee 1, Wis., U.S.A.