

# OPERATING INSTRUCTIONS



## MODELS

"9"—"9B"—"9FB"—"9R6"—"9R6D"

## **IMPORTANT!**

**Do not start this engine before reading Section I and Section II of this manual. It takes only a few minutes.**

Guessing how to operate this engine may cause you unnecessary inconvenience, aggravation, or failure to receive the fine performance that is built into it.

Each engine is carefully tested and adjusted at the factory before shipment and, with proper maintenance, will give you many years of satisfactory service.

**SAVE THIS BOOK FOR FUTURE REFERENCE**

# 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](http://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



Fire



Explosion



Moving Parts



Toxic Fumes



Hot Surface



Shock



Kickback

(OVER)

FORM MS-6445-01/03

# ENGINE SELECTION



 <b>WARNING</b>



<b>Failure to select the correct engine could result in fire or explosion.</b>



- 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.
- [4] 



 <b>WARNING</b>	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.
	
- [5] 



 <b>WARNING</b>	Ensure all fuel lines and fittings are properly assembled and do not leak. Replacement parts must be the same model as the original.
	
- [6] 



 <b>WARNING</b>	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.

- [8] 







 <b>WARNING</b>	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.
	
- [9] 

 <b>WARNING</b>	If engine is installed on walk behind lawn mower, all mower components, including cutting blade, must be correctly installed before attempting to start engine.
	
- [10] 

 <b>WARNING</b>	When working on the engine or equipment, remove spark plug wire from spark plug. For electric start, remove negative wire from battery.
	
- [11] 

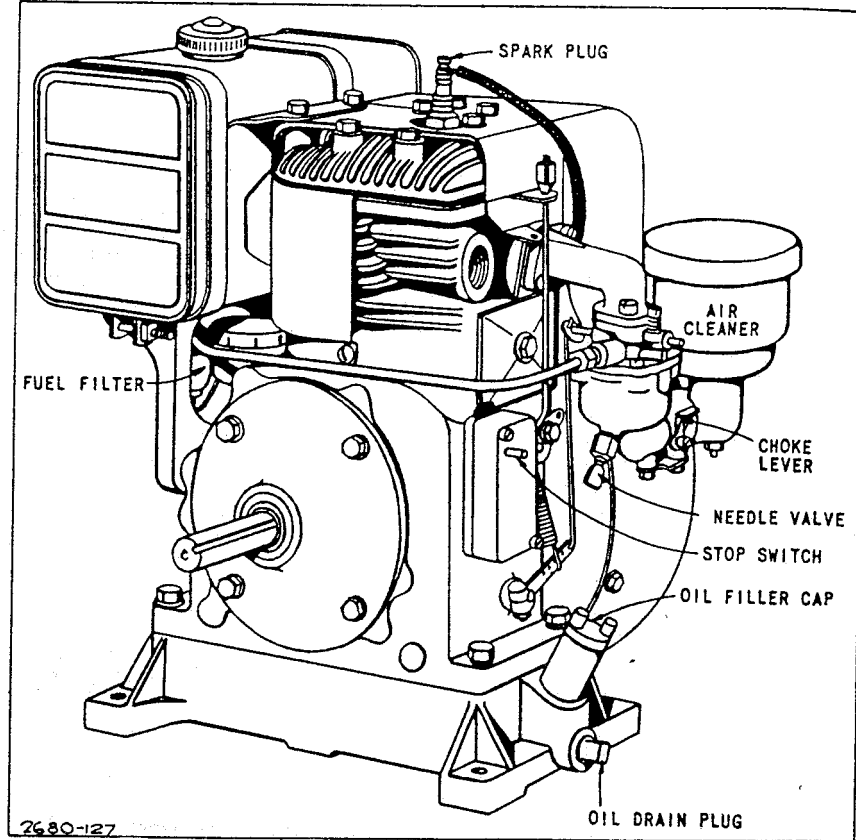
 <b>WARNING</b>	Do not check for spark with spark plug removed. Use Briggs & Stratton spark tester #19368.
	

# ENGINE OPERATION

	 <b>WARNING</b>
<b>When adding fuel:</b>	
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.	
	 <b>WARNING</b>
<b>When starting engine:</b>	
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.	
	 <b>WARNING</b>
<b>When operating equipment:</b>	
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.	

## MODEL 9

Be sure you are familiar with the items illustrated below before operating engine. See Sections I and II of this manual for instructions.



<b>CONTENTS</b>		<i>Page</i>
<i>Section</i>		
I	Before Starting .....	3
II	Starting and Stopping.....	4
III	Regular Maintenance .....	5
IV	Adjustments .....	7
V	Parts Section .....	12

### CAUTION !

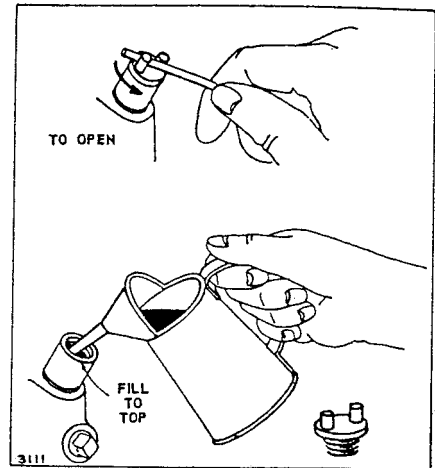
1. **PROVIDE EFFICIENT VENTILATION.** Exhaust gases contain carbon monoxide which is odorless and a deadly poison. Proper care must be taken to provide efficient ventilation.
2. **DO NOT FILL GASOLINE TANK WHILE ENGINE IS RUNNING.** Avoid spilling gasoline on a hot engine — this may cause an explosion 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, and cylinder head free from grass or dirt.
4. Be sure nobody is behind you when starting engine with rope starter.

# SECTION I

## BEFORE STARTING

### Fill Crankcase With Oil

- The oil filler cap is located at the end of engine base. To open, use a screwdriver or bar as illustrated. With the engine standing level
- pour oil in opening until it rises to the top of filler cap opening. Be sure oil stays to top level before replacing cap. Oil capacity is 3 pints.



High quality engine oils bearing the American Petroleum Institute classification "For Service MS" should be used in your Briggs & Stratton engine.

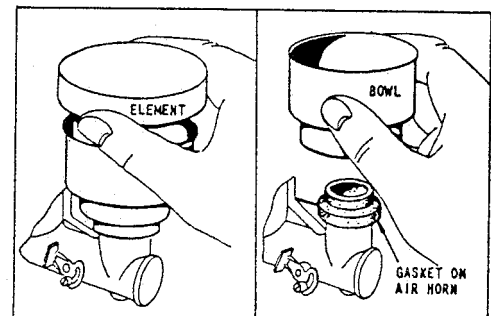
*Above 32°F*  
Mobiloil Arctic SAE 20-20W  
or equivalent

*Below 32°F*  
Mobiloil SAE 10W  
or equivalent

The use of special additive compounds or oils not labeled "For Service MS" is not recommended.

### Put Oil In Air Cleaner

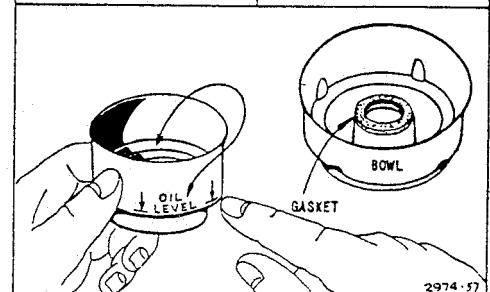
Air cleaner protects engine by removing grit and dirt from air entering carburetor. Use same grade oil as in crankcase. Turn filter element counterclockwise to unscrew. Lift off filter element. Lift off bowl. Pour oil in small bottom part of bowl to "OIL LEVEL" mark at end of arrows. Replace bowl on carburetor. Replace filter element and turn clockwise until snug. Be sure gaskets are in place.



### Fill Fuel Tank

Use a clean, fresh "regular grade" gasoline such as Mobilgas.

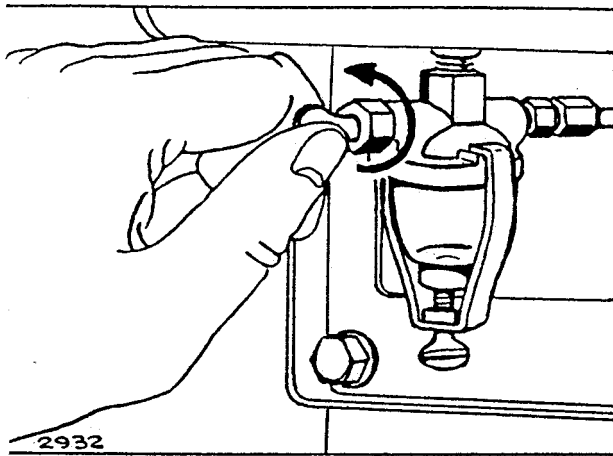
- CAUTION:** The use of old or stale gasoline will result in gum deposits clogging the fuel system and carburetor. Make sure that vent hole in the tank cap is open. **DO NOT MIX OIL WITH GASOLINE.**



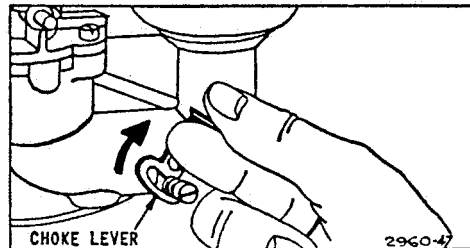
## SECTION II

# STARTING AND STOPPING

### To Start Engine

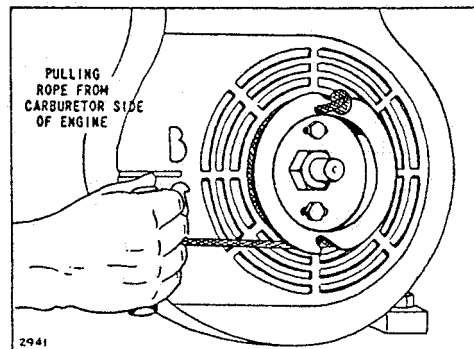


#### 1. Open Fuel Valve



#### 2. Close the Choke

Move lever in direction of arrow.

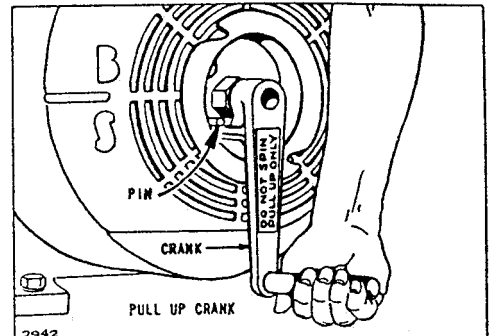


#### 3. Place the Knot In Slot

**Rope Starters.** Wind the starter rope around the starter pulley with the knot in the pulley notch. Turn pulley backwards (counterclockwise) until compression is felt. Pull the rope with a quick steady pull to spin the flywheel with choke fully closed

to prime the engine. Then open choke about one-eighth and repeat operation.

After the engine warms up, gradually open choke valve to left or in a counterclockwise direction until engine runs smoothly with the choke wide open.



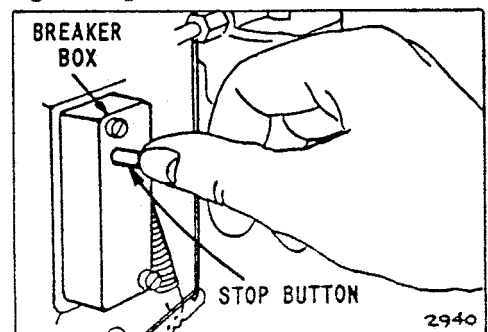
**Crank Starters.** Place hand crank on crankshaft at flywheel so that the crank engages the pin on the flywheel.

Rotate crank and flywheel until compression is felt. The crank handle should now be in a downward, or 6 o'clock, position.

Lift crank handle with a quick motion to an upward, or 12 o'clock, position. It is not necessary to spin the crank handle. It normally requires only one or two revolutions of the engine to get an ignitable charge into the cylinder to start with the choke fully closed. If further cranking is necessary, the choke should be opened slightly.

### To Stop Engine

Press the red stop button located on the breaker box. Hold button down until engine stops.



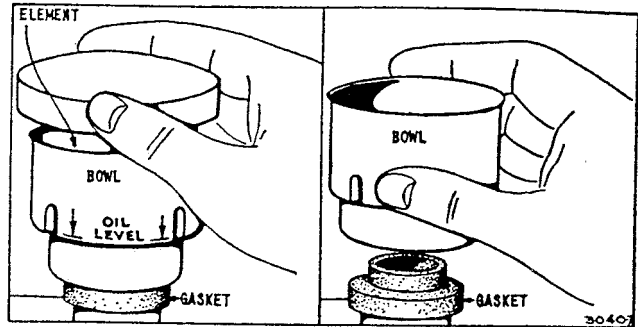
## SECTION III

# REGULAR MAINTENANCE

### Clean the Air Cleaner

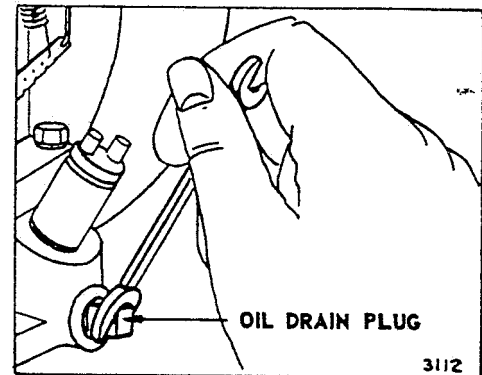
Clean and refill the air cleaner frequently (every few hours under extremely dusty conditions). Clean and refill at least every 25 hours under normal conditions.

1. Turn filter element counter-clockwise to unscrew. Lift off filter element.
2. Lift off bowl. Pour out old oil.
3. Wash the filter element and bowl by swishing in gasoline and shake or wipe dry.
4. Pour oil in small bottom part of bowl to "OIL LEVEL" mark shown at end of arrows. Replace bowl on carburetor.
5. Replace filter element and turn clockwise until snug. Be sure gaskets are in place.



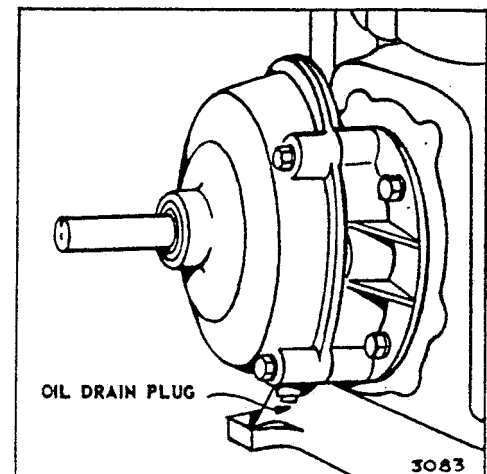
### Change Oil (Crankcase)

Change oil after 5 hours of operation. Remove the oil drain plug. Drain oil while the engine is warm. Replace drain plug. Remove oil filler cap or plug and refill with new oil. Replace oil filler cap or plug. Add oil regularly after each 5 hours of operation. Thereafter change oil every 25 hours of operation.



### Change Oil (Gear Reduction) →

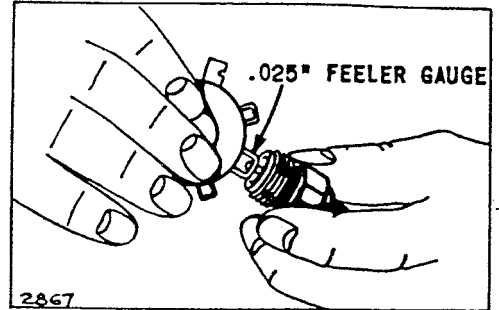
The reduction gears are lubricated by engine crankcase oil. Remove drain plug from gear case cover to drain oil remaining in gear case when crankcase oil is changed.



## SECTION III REGULAR MAINTENANCE (Cont'd)

### To Check Spark Plug Gap

Spark plug is 14mm (USE CHAMPION NO. 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.

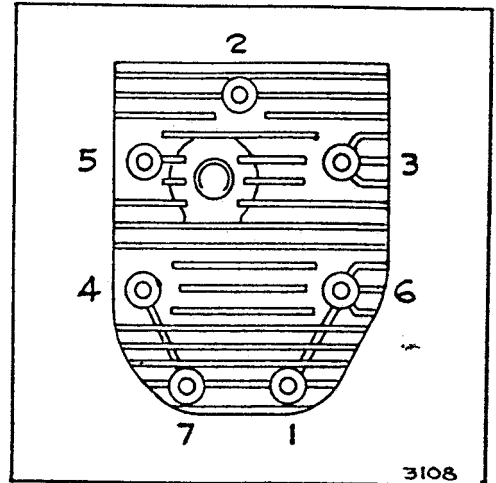


### Cylinder Head—Combustion Chamber Clean-Out

This industrial engine generally operates at constant speed and at relatively constant load. The use of regular automotive fuels under these conditions results in a gradual build-up of Tetra-Ethyl Lead deposits in the combustion chamber. This causes the engine to lose power and prevents the valves from seating properly. Removing the deposits is easy and will pay big dividends in reliability and increased valve life.

#### Clean Combustion Chamber Every 100-300 Hours of Operation

1. Remove cylinder head screws. Be sure to note if screws are of different length and have steel washers as they must be replaced in original position.
2. Turn crankshaft until piston is at top of cylinder bore and both valves are closed. Scrape and wire brush the lead and carbon deposits from cylinder head combustion chamber, top of piston, and around both valves. Blow off or use soft brush to remove loose deposits.
3. Re-use cylinder head gasket only if in good condition. Replace cylinder head, gasket, head cover, washers and head screws. Turn each screw in with wrench until screw head is lightly seated.
4. Use socket wrench with 6" handle and turn all screws 1/4 turn. Tighten screws in sequence illustrated. Run engine approximately 5 minutes and retighten all screws *snugly* (approximately 1/4 turn). Always tighten evenly in sequence shown to avoid warping cylinder head.

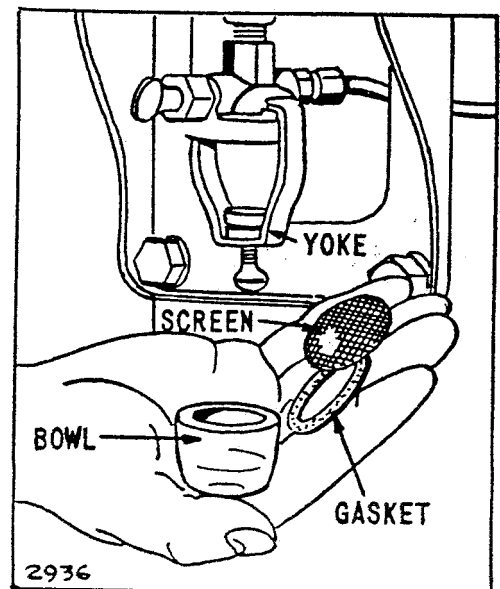


### Draining Fuel Tank and Cleaning Fuel Filter

Loosen thumb screw below filter bowl.

Remove and clean filter bowl and screen.

Open shut-off valve to see if fuel flows freely from the tank. **IMPORTANT:** If you find a gummy, varnish-like substance use alcohol or acetone to dissolve it.





# SECTION III

## REGULAR MAINTENANCE (Cont'd)

### 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:

- a. Remove filter bowl, open shut-off valve and drain tank completely.
- b. Operate engine until it stops from exhaustion of fuel.
- c. While engine is still warm, drain and clean the oil sump. Refill with fresh oil.
- d. Replace fuel tank drain plug.
- e. Leave fuel valve open.
- f. Remove spark plug, pour one ounce of S.A.E. No. 20 oil into cylinder and crank slowly to spread oil. Replace spark plug.
- g. Clean dirt and chaff from cylinder and cylinder head fins, blower housing, etc.

## SECTION IV

### ADJUSTMENTS

#### Carburetor Adjustments

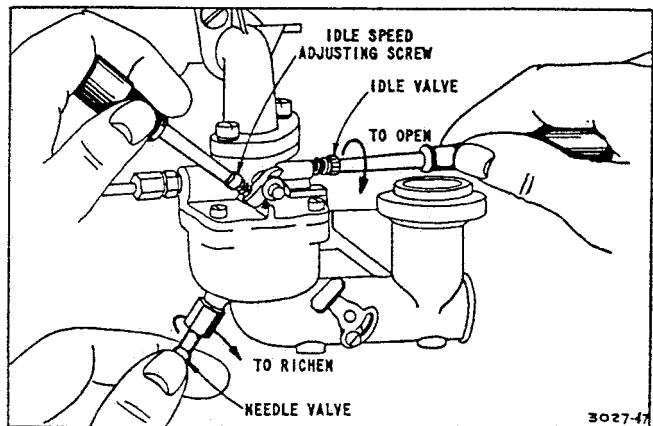
##### Initial Adjustment

Close the needle valve (turn clockwise) carefully to avoid damaging it. Then open it  $1\frac{1}{2}$  turns counterclockwise). Close the idle valve (clockwise). Open it  $\frac{1}{2}$  to  $\frac{3}{4}$  turn. This initial adjustment is intended only to enable the engine to be started and run for several minutes to allow engine to warm up before making final adjustment.

##### Final Adjustment

Turn needle valve in until engine misses (lean mixture), then turn it out past smooth operating point until engine runs unevenly (rich mixture). Now turn needle valve to the mid-point between rich and lean so the engine runs smoothly.

Hold throttle at idle position and set idle speed adjusting screw until fast idle is obtained (1200 R.P.M.). Hold throttle in idle position and turn idle valve in (lean) and out (rich) until engine idles smoothly. Then reset idle speed adjusting screw so that engine idles at 1200 R.P.M. Release throttle — engine should accelerate without hesitation or sputtering. If engine does not accelerate properly, the carburetor should be re-adjusted — usually to a slightly richer mixture.



## SECTION IV ADJUSTMENTS (Cont'd)

### Governor and Adjustments

The correct operating speed range is 1800 to 3600 R.P.M. The standard speed setting (no load) is 2900 R.P.M. Idle speed is 1200 R.P.M.

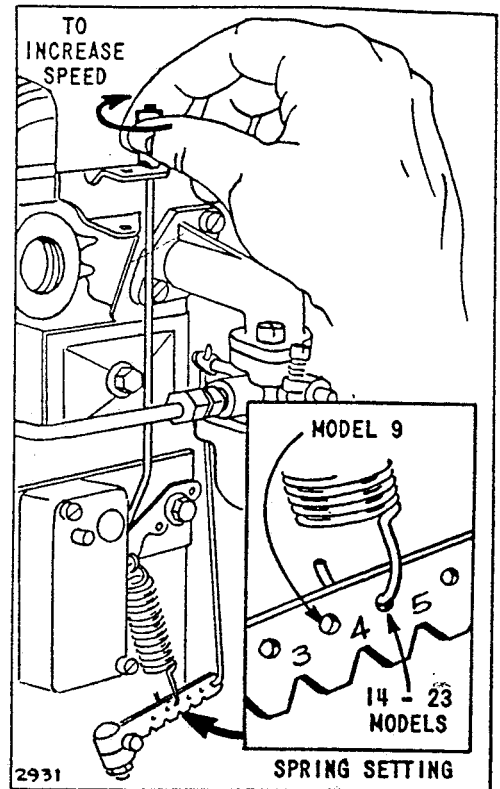
#### THUMB NUT ADJUSTMENT.

To increase speed, turn nut to right or clockwise direction or move lower end of governor spring farther away from governor lever shaft.

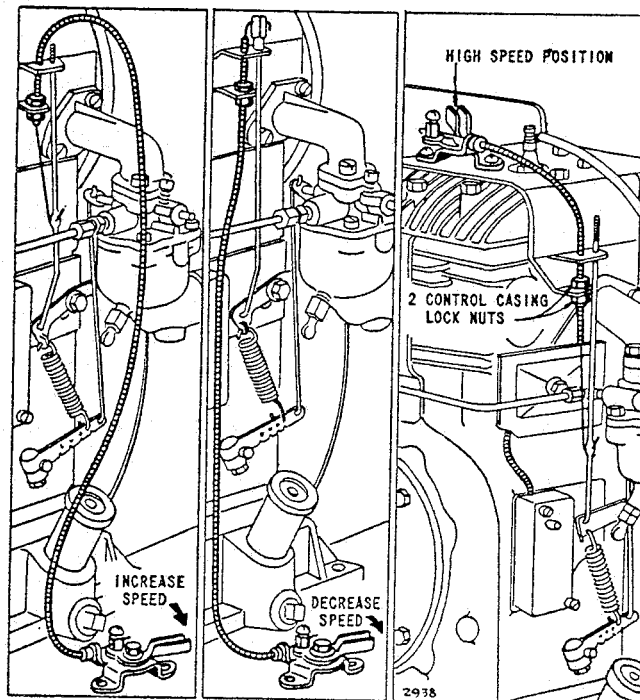
To reduce speed, turn nut to left or counter-clockwise or move lower end of spring closer to governor lever shaft.

If the speed variation between no load and full load is too great move spring closer to governor lever shaft.

If the speed of the engine is not steady although the carburetor has been properly adjusted, move the spring farther away from the governor lever shaft.



### Remote Governor Control



If your engine has a remote governor control, check with illustrations at left, and adjust as follows:

Engine speed is controlled by movement of the control lever as shown. Move 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. Be sure to remove or loosen thumb screw on governor control rod.

## SECTION IV

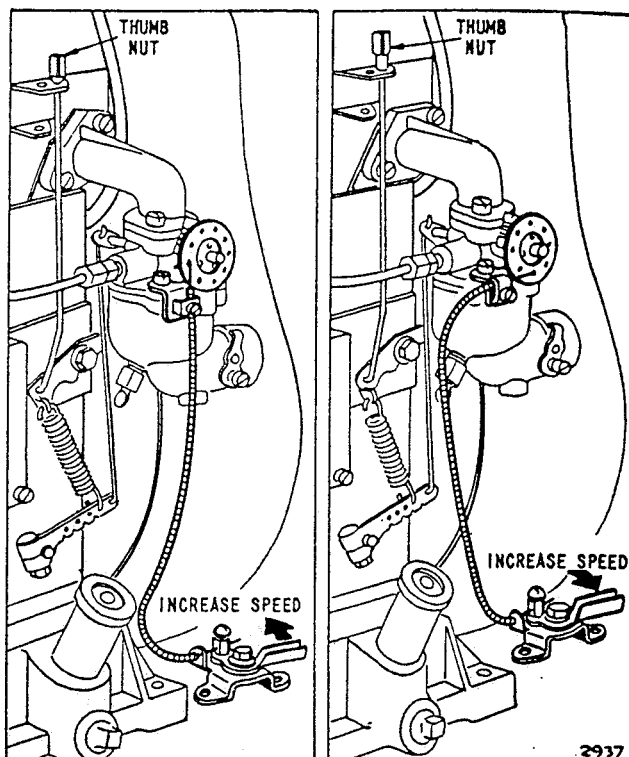
# ADJUSTMENTS (Cont'd)

### Remote Throttle Control

If your engine has a remote throttle control like those illustrated at the right, adjust as follows:

Top speed of the engine is controlled by the governor. All other speeds from idle to top speed are controlled by a remote control lever at some distance from engine.

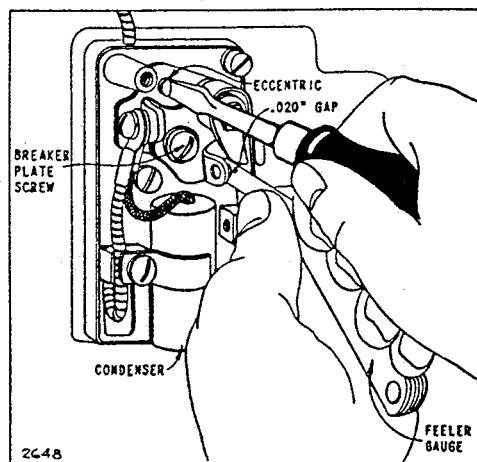
Move control lever to **LOW** speed position. Loosen screw on swivel. Move wire through swivel until carburetor throttle closes. Tighten swivel screw, bend loose end of wire around swivel. Cut off excess wire.



### To Clean and Adjust Contact Points

It is not necessary to remove the flywheel to adjust breaker points or replace the condenser. The breaker points are located in the breaker box on carburetor side of engine. Remove cover by loosening the two screws. Clean points — use a carborundum point stone. Then insert a hard finished card or piece of paper and close and open points. The card or paper will absorb any dirt or filings on the points. Adjust breaker points as follows:

- Rotate crankshaft until points open to widest gap.
- Loosen breaker plate screw slightly.
- Rotate eccentric to secure .020" gap.
- Tighten breaker plate screw.
- Replace breaker box cover.



### GENERAL INFORMATION

This engine is a single cylinder, L-Head air-cooled type; bore  $2\frac{1}{4}$ " and stroke  $2\frac{1}{4}$ ".  
It is rated at:

1.70 h.p. at 1800 r.p.m.

2.95 h.p. at 3000 r.p.m.

2.40 h.p. at 2400 r.p.m.

3.35 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.

### 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. For parts and service we advise you to get in touch with the nearest member of our Nation-wide Service Organization.



See yellow pages of your classified telephone directory for nearby engine service under heading "Engines — Gasoline" or "Gasoline Engines."

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A PAGE - 11, 12, 13. THESE  
PAGES WERE BLANK.

## NATION-WIDE SERVICE ORGANIZATION

To provide prompt and efficient service on your engine, Briggs & Stratton Corp. maintains a vast network of Authorized Service Dealers ready to serve you.

Each member of this organization carries a stock of original Briggs & Stratton repair parts. Each is equipped with special tools and trained mechanics, assuring expert repair service on all Briggs & Stratton engines.

## BRIGGS & STRATTON ENGINE WARRANTY POLICY

Here is a reproduction of the Briggs & Stratton Corporation's printed Warranty supplied with each engine. (Be sure to fill out and return registration card at time of purchase):

### THE WARRANTY

For ONE YEAR from purchase date, Briggs & Stratton Corp. will replace for the original purchaser, FREE OF CHARGE, any part, or parts, found upon examination by any Factory Authorized Service Outlet, or by the Factory at Milwaukee, Wisconsin, to be defective in material and workmanship.

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

*There is no other Warranty express or implied. Briggs & Stratton Corp. shall in no event be liable for consequential damages.*

## WHAT BRIGGS & STRATTON WARRANTY MEANS

Briggs & Stratton authorizes each Franchised Service Dealer to make "no charge" replacement (Labor and Material) of engine parts that are found to be *defective in material or workmanship* as set forth in "The Warranty" above, and under the warranty procedure.

All "no charge" Briggs & Stratton warranty repair is the responsibility of the Service Dealer rendering it, until all supporting facts are submitted to and approved by the factory.

If you differ with the decision of a Service Dealer on a warranty claim, the Dealers terms should be accepted. The Dealer will submit all supporting facts to the factory for review. If the factory's decision is that your claim is justified, you will be fully reimbursed for those items accepted as defective.

Briggs & Stratton has no other warranty, nor do they recognize, endorse or approve other than the Briggs & Stratton Warranty reproduced above.

Manufacturers and sellers of equipment powered by Briggs & Stratton engines may offer additional engine guarantees to cover other than *defective material or workmanship*,

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such as bent crankshafts, failure to maintain oil in crankcase, user negligence, abuse, etc., or give a "damaged engine" trade-in or replacement on special terms. Such guarantees are beyond the control of Briggs & Stratton and are the full responsibility of those who make them. An engine owner who goes to a Briggs & Stratton Authorized Service Dealer for "no charge" repair under any Special seller's guarantees will be referred to whomever made the Special guarantee, for satisfaction.

Genuine Briggs & Stratton service will assure continuous engine satisfaction. Our long experience in engine service and maintenance prompts us to urge you to contact one of our Authorized Service Dealers when in need of engine service work not covered in this Operating Instruction Manual. Mechanics unfamiliar with Briggs & Stratton engines, or without proper tools, should not be permitted to make major repairs.

Parts and repair work are F.O.B. any Authorized Briggs & Stratton Service Dealers. The Central Service Distributor nearest you (see back page) will be glad to give you the name of the engine Service Dealer in your locality. For your convenience, they are also listed in the yellow classified advertising pages of your telephone directory.

## WARRANTY INSTRUCTIONS

When you request engine or engine parts warranty service, always supply the Briggs & Stratton Authorized Service Dealer the following information:

Model Number, Type Number and Serial Number that are stamped on engine blower housing.

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 purchased.

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. Refer to the yellow pages of your telephone directory. If none are listed write to the nearest Central 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.
Arizona	Tucson	Motor Supply Co.	33 W. 33rd St.
California	Burlingame	Frank Edwards Co.	1541 Adrian Road
California	Los Angeles 15	Electric Equipment Co.	1611 S. Hope St.
Colorado	Denver 1	Spitzer Electric Company	43 W. 9th Ave.
Connecticut	Hartford 14	The Durham Co., Inc.	261 Locust St.
Florida	Jacksonville 1	Spencer Electric, Inc.	40 W. Beaver St.
Florida	Miami 42	Electrical Equipment Co.	1415 N.W. 21st Terrace
Florida	Tampa 1	Spencer Auto Electric, Inc.	607-11 E. Cass St.
Georgia	Atlanta 9	Auto Electric & Magneto Co.	800 Lambert Drive, N.E.
Illinois	Chicago 16	Mid-States Auto Electric Co.	1905 S. Michigan Ave.
Indiana	Indianapolis	Gulling Auto Electric Inc.	1201 Stadium Drive
Iowa	Des Moines 9	Magneto Carburetor & Electric Co., Inc.	1308 Grand Ave.
Kentucky	Louisville 2	Central Service Sales Div.	737 S. 3rd St.
Louisiana	New Orleans 1	A. C. Suhren Co.	8300 Earhart Blvd.
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 Corporation	15550 Woodrow Wilson Ave.
Minnesota	Minneapolis 16	Reinhard Brothers Co., Inc.	4301 Highway No. 7
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.	905 Second Ave. No.
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 6	F. A. Crossman, Inc.	Tarbell Road
North Carolina	Charlotte 1	Automotive Electric Associates, Inc.	306-14 N. Graham St.
Ohio	Columbus 12	Gardner, Inc.	1147 Chesapeake Ave.
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	Auto Equipment & Service Co., Inc.	12th and Glenwood
Pennsylvania	Pittsburgh 24	Pitt Auto Electric Company	5135 Baum Blvd.
Tennessee	Knoxville 7	R. T. Clapp Company	2016 Magnolia Ave., N.E.
Tennessee	Memphis 4	Automotive Electric Service Co.	982 Linden Ave.
Texas	Amarillo	Beard & Stone Electric Company, Inc.	700 E. 10th St.
Texas	Dallas 1	Beard & Stone Electric Company, Inc.	3909 Live Oak St.
Texas	El Paso	Motor Supply Co.	308 Chihuahua St.
Texas	Houston 1	Beard & Stone Electric Company, Inc.	5815 Gulf Freeway
Texas	San Antonio 6	S. X. Callahan	425 N. Flores St.
Utah	Salt Lake City 13	Frank Edwards Co.	551 So. State St.
Virginia	Richmond 21	Richmond Battery & Ignition Co.	2912 W. Leigh St.
Washington	Seattle 4	Charles Stewart, Inc.	1741 First Ave. South
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.	170 Fort St.
Ontario	Toronto 5	Auto Electric Service Company, Limited	1009 Bay St.

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



# SECTION V

## PARTS INDEX

	Page
Illustrations of Parts Groups:	
Cylinder, Base, Crankshaft, Piston, Connecting Rod Parts, and Gear Reduction.....	12
Fuel System Parts.....	13
Flywheel, Ignition System, and Blower Housing Parts.....	14
Numerical Parts List.....	15-27



### HOW TO FIND THE CORRECT NUMBER OF THE PART YOU NEED

- A. Refer to Engine Model, Type, and Serial Number that is stamped on the metal name plate and record below.

This engine is:

MODEL \_\_\_\_\_ TYPE NO. \_\_\_\_\_ SERIAL NO. \_\_\_\_\_

- B. Refer to Illustrated Parts section and compare your old part with illustrations. The number on the illustrations is the Master Part Number. Assemblies include all part numbers shown in frames. All parts shown in assembly frames on which part numbers are given can be purchased separately also.
- C. After the Master Part Number has been identified, refer to the Numerical Parts List, where these Master Parts Numbers are listed. **THE MASTER PART IS USED ON ALL TYPE NUMBERS EXCEPT THOSE TYPE NUMBERS UNDER "NOTE."**
- D. If a "Note" appears below the Master Part Number, this means that this part differs from the Master Part for certain types. If your Type Number 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 — Type Number — Serial Number of your engine.
- G. All parts should be ordered from the nearest member of our Authorized Service Organization. (See back cover.) When ordering parts by mail, selling prices will be furnished on request or parts will be shipped at prevailing prices.

PARTS SECTION

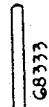
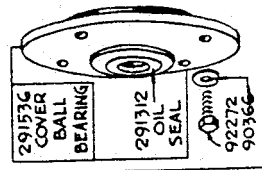
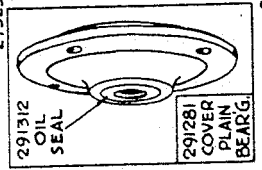
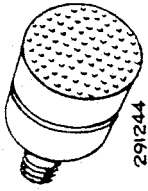
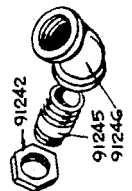
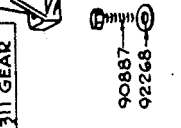
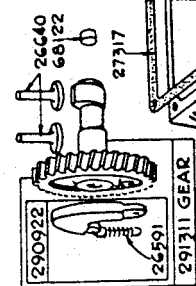
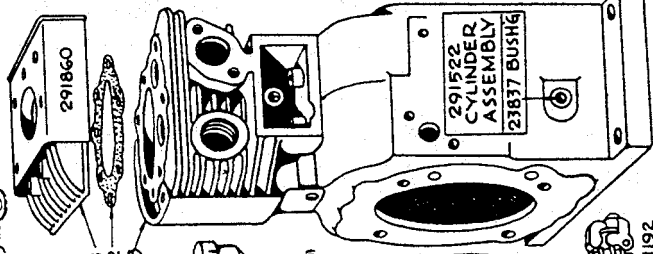
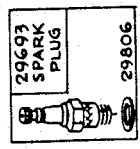
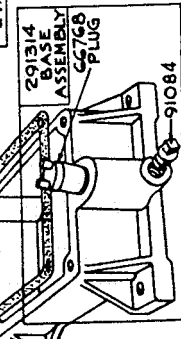
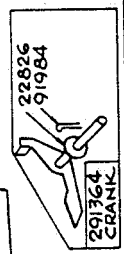
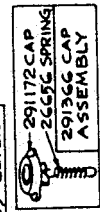
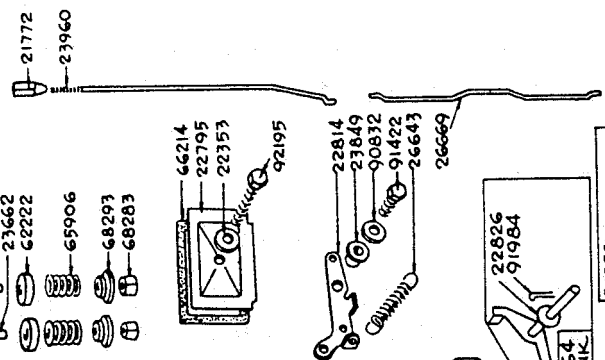
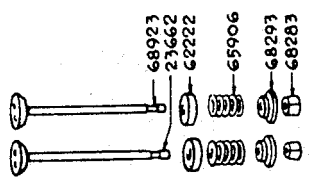
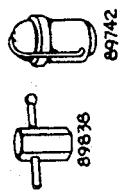
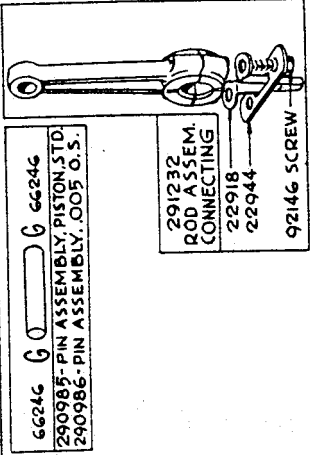
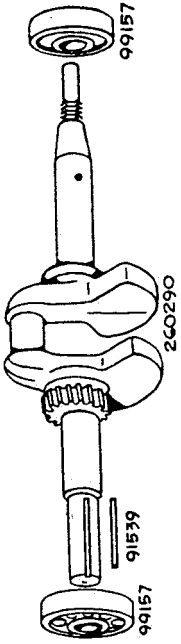
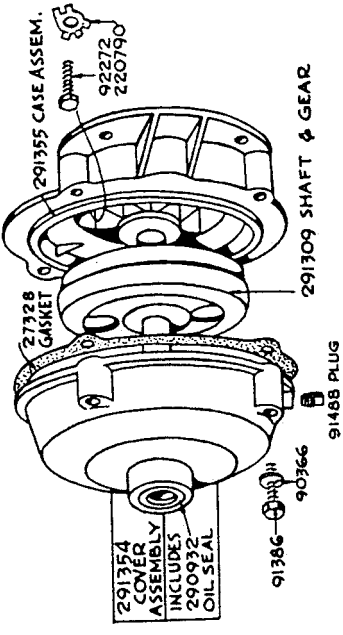
9920-PISTON ASSEMBLY, STD.  
 99467-.010 - OVERSIZE  
 99968-.020 -  
 99969-.030 -  
 INCLUDES PISTON RINGS AND  
 PISTON PIN LOCKS

PISTON RING SETS  
 290820-RINGSET-PISTON, STD.  
 290821- " " ".010 O.S.  
 290822- " " ".020 "  
 290823- " " ".030 "

21203 - RING - PISTON, COMP. TOP STD  
 21219 - .010 - OVERSIZE  
 21220 - .020 -  
 21221 - .030 -  
 21202 - RING, PISTON, COMP. CENTER, STD)  
 21222 - .010 - OVERSIZE  
 21223 - .020 -  
 21224 - .030 -  
 61505 - RING, PISTON, OIL, STD.  
 61747 - .010 - OVERSIZE  
 61748 - .020 -  
 61749 - .030 -

66246  
 66246  
 290985-PIN ASSEMBLY, PISTON, STD.  
 290986-PIN ASSEMBLY, .005 O.S.

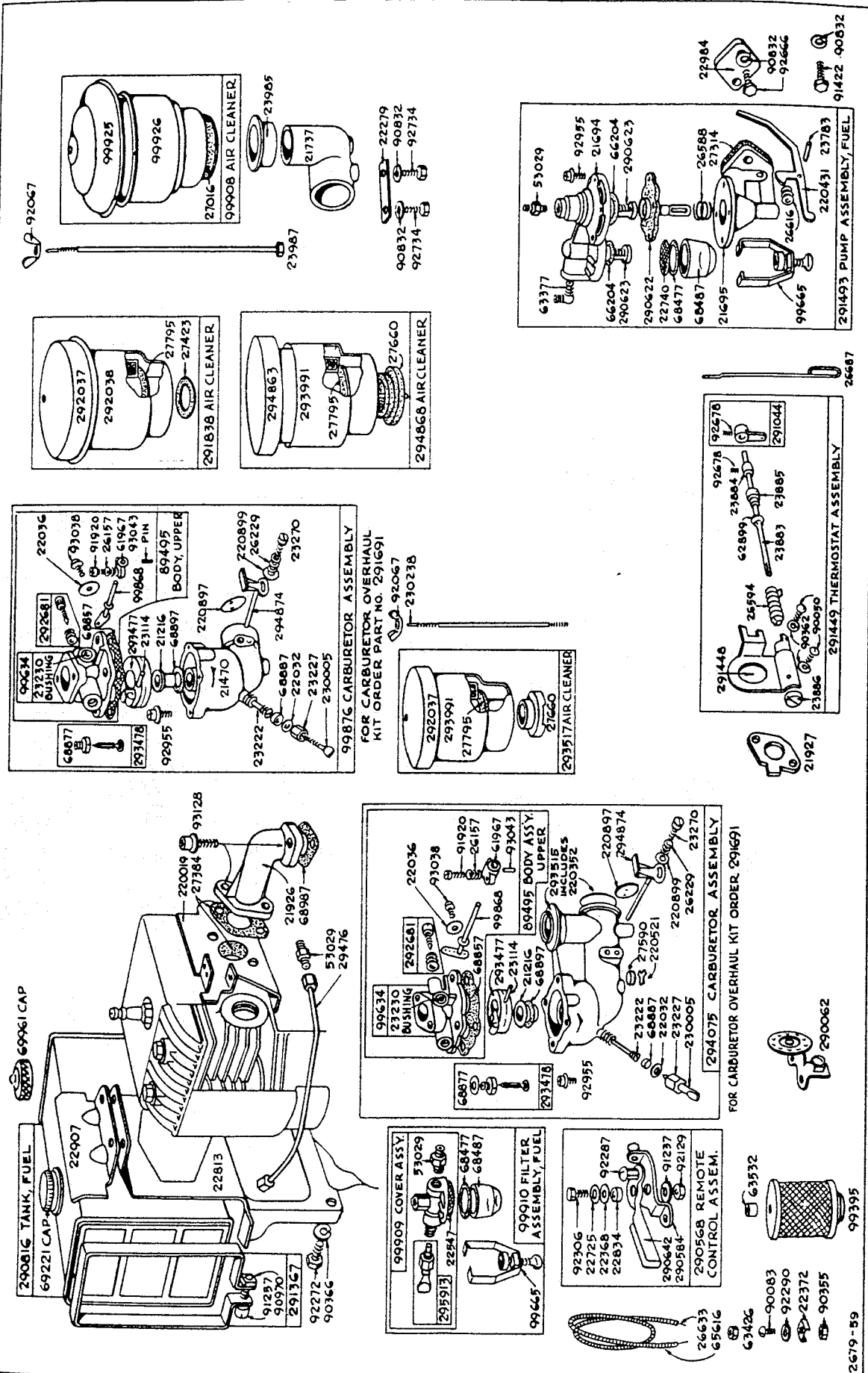
291232  
 ROD ASSEM.  
 CONNECTING  
 22918  
 22944  
 92146 SCREW



FOR GASKET SET ORDER  
 PART NO. 291677

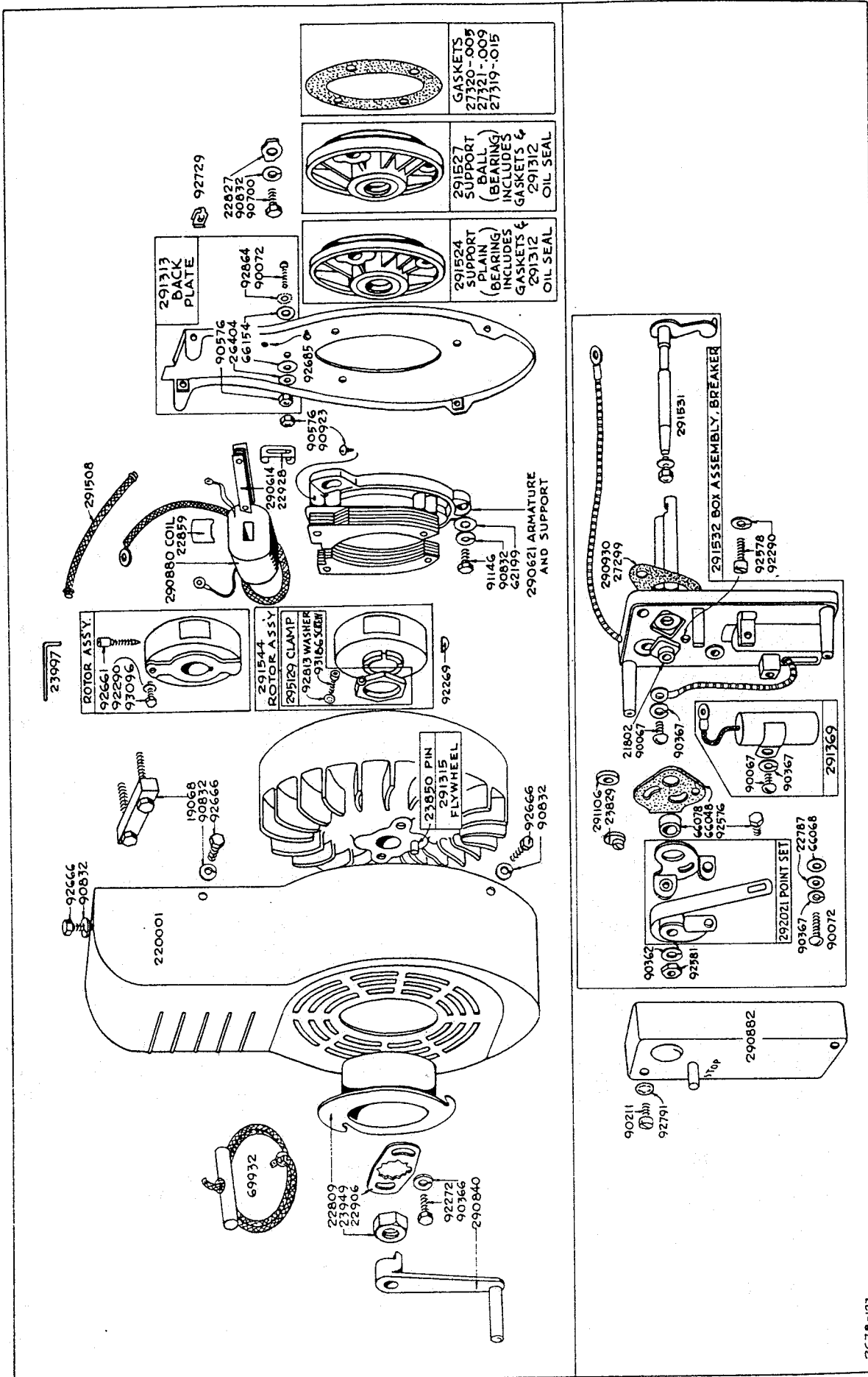
267G-59

CYLINDER, BASE, CONNECTING ROD, PISTON, AND GEAR REDUCTION PARTS -  
 PLATE No. 30 - Assemblies include all parts shown in frames.



FUEL SYSTEM PARTS — PLATE No. 31  
Assemblies include all parts shown in frames.

PARTS SECTION



FLYWHEEL, IGNITION SYSTEM AND BLOWER HOUSING PARTS — PLATE No. 32  
Assemblies include all parts shown in frames.

2678-127

## NUMERICAL PARTS LIST

PART NO.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
1906S	Puller—Flywheel .....	1	8
	<i>Note:</i> Optional accessory.		
21202	Ring—Piston, Compression, Center, Standard .....		1
21203	Ring—Piston, Compression, Top, Standard .....		1
21216	Venturi—Carburetor .....		1
21219	Ring—Piston, Compression, Top—.010" O.S. ....		1
21220	Ring—Piston, Compression, Top—.020" O.S. ....		1
21221	Ring—Piston, Compression, Top—.030" O.S. ....		1
21222	Ring—Piston, Compression, Center—.010" O.S. ....		1
21223	Ring—Piston, Compression, Center—.020" O.S. ....		1
21224	Ring—Piston, Compression, Center—.030" O.S. ....		1
21470	Body—Lower Carburetor .....		6
	<i>Note.</i> No. 99720 Body—Lower Carburetor .....		6
	Used on type Nos. 201522, 201525, 201527, 201528, 201538, 201539, 201547, 201554, 201558, 201561, 201837.		
	Includes: {No. 90051 Screw—Machine, Rd. Hd.—6-32x $\frac{1}{4}$ " .....		1
	{No. 90362 Washer—Lock—No. 6x $\frac{1}{4}$ x $\frac{1}{2}$ " .....		1
21694	Head—Fuel Pump .....		6
21695	Body—Fuel Pump .....		6
21737	Elbow—Air Cleaner .....		6
	<i>Note.</i> No. 21611 Elbow—Air Cleaner .....		12
	Used on type No. 201065.		
	Uses: {No. 220536 Brace (Air Cleaner Elbow to Cylinder Head)..		1
	{No. 92125 Screw—Cap, Hex. Hd.— $\frac{1}{4}$ -20x $\frac{1}{2}$ " .....		1
	{No. 90832 Washer—Lock— $\frac{1}{4}$ x $\frac{1}{2}$ x $\frac{1}{4}$ " (For mounting brace to air cleaner elbow) .....		1
21772	Nut—Governor Adjusting .....		1
	<i>Note:</i> No. 23402 Nut—Governor Stop .....		1
	Used on type Nos. 201019, 201054, 201076.		
21802	Bushing—Oil Seal Clamp .....		1
21853	Head—Cylinder .....	1	4
	<i>Note:</i> No. 293655 Head—Cylinder .....	1	4
	Used on type No. 201838.		
21926	Elbow—Carburetor Intake .....		6
	<i>Note:</i> No. 210295 Elbow—Carburetor Intake .....		6
	Used on type No. 201065.		
21927	Spacer—Carburetor Elbow .....		1
	<i>Note:</i> Used only on engines with automatic choke.		
†22032	Washer—Needle Valve Packing .....		1
22036	Valve—Throttle .....		1
22279	Brace—Air Cleaner Elbow .....		1
*22353	Washer—Valve Cover .....		1
22368	Washer—Control Lever .....		1
22372	Clamp—Control Casing .....		1
22547	Screen—Fuel Filter .....		1
22725	Washer—Control Lever .....		1
22740	Screen—Fuel Pump Filter .....		1
22787	Washer—Breaker Plate .....		1
22795	Cover—Valve .....		4
22809	Pulley—Rope Starter .....		10
	<i>Note:</i> No. 210150 Pulley—Starter .....	3	8
	Used on type Nos. 201070, 201833.		
	No. 290424 Pulley—Rope Starter .....	1	
	Used on type No. 201316.		
	Includes: No. 91363 Screw—Set, Sq. Hd.— $\frac{3}{8}$ -16x $\frac{3}{8}$ " .....		1

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

\* Included in Gasket Set — Part No. 291677.

PARTS SECTION

PART NO.	NAME	SHIPPING WEIGHT		PART NO.
		Lbs.	Oz.	
22813	Bracket—Fuel Tank .....	1		
22814	Lever—Governor Control .....		3	
22826	Washer—Governor Crank .....		1	
22827	Washer—Bushing Support .....		1	
22834	Washer—Spacer .....		1	
22859	Retainer—Coil .....		1	239
	<i>Note: No. 220245 Retainer—Coil .....</i>		1	†261
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.			262
22906	Lock—Flywheel Nut .....		2	
22907	Support—Upper Fuel Tank .....		3	263
22918	Dipper—Connecting Rod .....		2	267
22928	Clip—Armature Spring .....		1	267
	<i>Note: No. 220244 Clip—Armature Spring .....</i>		1	268
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.			268
22944	Lock—Connecting Rod Screw .....		2	268
22963	Washer—Cylinder Head .....		1	268
	<i>Note: No. 220208 Washer—Cylinder Head .....</i>		1	268
	Used on type Nos. 201048, 201054, 201056, 201060, 201318.			268
22984	Cover—Fuel Pump Hole .....		2	268
†23114	Pin—Float Hinge .....		1	*271
†23222	Nozzle—Carburetor .....		1	*271
†23227	Nut—Needle Valve Packing .....		1	271
23230	Bushing—Throttle Shaft .....		1	*271
23270	Screw—Choke Lever .....		1	*271
23662	Valve—Exhaust .....		4	*271
	<i>Note: No. 26521 Valve—Exhaust .....</i>		4	*271
	Used on type Nos. 201042, 201043, 201045, 201046, 201048, 201050, 201052, 201054, 201056, 201057, 201060, 201061, 201062, 201064, 201069, 201076, 201078, 201318, 201545, 201833, 201834, 201837, 201838.			*271
23783	Pin—Fuel Pump Lever .....		1	
23829	Eccentric .....		1	*271
23837	Bushing—Governor Crank .....		1	271
23849	Bushing—Control Lever .....		1	
23850	Pin—Flywheel .....		1	*271
23883	Shaft—Thermostat .....		2	*271
23884	Stop—Thermostat Shaft .....		1	*271
23885	Support—Thermostat (Inner) .....		1	*271
23886	Support—Thermostat (Outer) .....		1	*271
23949	Nut—Flywheel .....		4	*271
	<i>Note: No. 92675 Nut—Pulley Mounting .....</i>		2	*271
	Used on type Nos. 201070, 201833, 201838.			
	<i>No. 230125 Nut—Flywheel .....</i>		4	
	Used on type Nos. 201048, 201054, 201056, 201060, 201318.			
23960	Rod—Governor Control .....		1	
23985	Spacer—Air Cleaner (Used only with 99908 Air Cleaner) .....		4	
23987	Bolt—Air Cleaner .....		2	
	<i>Note: This group of bolts and stud are used only with air cleaner Nos. 99908 and 291838.</i>			
	<i>No. 23292 Bolt—Air Cleaner .....</i>		2	
	Used on type Nos. 201044, 201837.			

(See following page)

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

PART NO.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
	<b>No. 23334 Stud—Air Cleaner—6" long</b> .....		1
	Used on type No. 201065.		
	Uses: { <b>No. 90355 Nut—Hex.—10-32</b> .....		1
	{ <b>No. 92290 Washer—Lock—No. 10x<math>\frac{1}{4}</math>x<math>\frac{1}{4}</math>"</b> .....		1
	(For locking air cleaner stud to elbow)		
	<b>23997 Wrench—Socket Hd. Screw</b> .....		1
	<b>†26157 Spring—Throttle Adjustment</b> .....		1
	<b>26229 Spring—Choke Lever</b> .....		1
	<b>26404 Washer—Back Plate Terminal</b> .....		1
	<b>Note: No. 220282 Washer—Back Plate Terminal</b> .....		1
	Used on type Nos. 201064, 201069, 201076, 201078, 201837, 201838.		
	<b>26588 Spring—Fuel Pump Diaphragm</b> .....		1
	<b>26591 Spring—Spark Advance</b> .....		1
	<b>26594 Thermostat</b> .....		1
	<b>26616 Spring—Fuel Pump Lever</b> .....		1
	<b>26633 Wire—Control—78" long</b> .....		2
	<b>Note: If longer wire is required, specify length in inches; if shorter wire is needed, order No. 26633 and cut to required length.</b>		
	<b>26640 Tappet—Valve</b> .....		3
	<b>26643 Spring—Governor</b> .....		1
	<b>26656 Spring—Oil Filler Cap</b> .....		1
	<b>26669 Link—Throttle</b> .....		1
	<b>26687 Link—Choke</b> .....		1
	<b>*27016 Gasket—Air Cleaner Mounting</b> .....		1
	<b>*27299 Gasket—Breaker Box</b> .....		1
	<b>27314 Gasket—Fuel Pump Mounting</b> .....		1
	<b>*27317 Gasket—Engine Base</b> .....		2
	<b>*27319 Gasket—Plain or Ball Bearing Support—.015" thick</b> .....		1
	<b>*27320 Gasket—Plain or Ball Bearing Support—.005" thick</b> .....		1
	<b>*27321 Gasket—Plain or Ball Bearing Support—.009" thick</b> .....		1
	<b>*27322 Gasket—Cylinder Head</b> .....		1
	<b>Note: Two 27322 Cylinder Head Gaskets are used on type Nos. 201028, 201041, 201058, 201063, 201073, 201080, 201314, 201319, 201322, 201518, 201523, 201532, 201534, 201535, 201542, 201544, 201549, 201550, 201816, 201827, 201836, 201840.</b>		
	<b>*27325 Gasket—Crankcase Cover</b> .....		1
	<b>27328 Gasket—Gear Case Cover</b> .....		1
	<b>Note: No. 68247 Gasket—Gear Case Cover</b> .....		1
	Used on type Nos. 201975, 201977, 201978, 201979, 201980, 201981.		
	<b>*27384 Gasket—Intake Elbow</b> .....		1
	<b>27402 Gasket—Air Cleaner (Cup Shape)</b> .....		1
	<b>27423 Gasket—Air Cleaner Mounting</b> .....		1
	<b>27590 Filter—Carburetor Drain</b> .....		1
	<b>27680 Gasket—Air Cleaner Mounting</b> .....		1
	<b>27795 Gasket—Air Cleaner</b> .....		1
	<b>Note: No. 27402 Gasket—Air Cleaner (Cup Shape)</b> .....		1
	(Used on air cleaner without stud)		
	<b>29476 Pipe—Fuel—13<math>\frac{3}{8}</math>" long</b> .....		4
	<b>Note: No. 89092 Pipe—Fuel—14" long</b> .....		4
	Used on type Nos. 201019, 201076.		
	<b>No. 291556 Pipe—Fuel—15<math>\frac{1}{4}</math>" long</b> .....		4
	Used between carburetor and fuel pump on type Nos. 201320, 201321, 201323, 201524, 201525, 201566; also used on other type numbers equipped with a fuel pump.		

(See following page)

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

\* Included in Gasket Set — Part No. 291677.

PARTS SECTION

PART NO.	NAME	SHIPPING WEIGHT		PART NO.
		Lbs.	Oz.	
	The following fuel pipes and fittings are used with combination fuel tank on type Nos. 201028, 201073, 201080, 201314, 201322, 201518, 201523, 201549, 201550, 201816, 201840:			660
	No. 291558 Pipe—Fuel—18¼" long .....	4		
	No. 89248 Pipe—Fuel—2¼" long .....	1		
	No. 92655 Tee .....	1		
	The following fuel pipes and fittings are used on type Nos. 201041, 201058, 201063, 201319, 201532, 201534, 201535, 201542, 201544, 201827, 201836:			661
	No. 290999 Pipe—Fuel—4⅞" long .....	2		
	No. 293862 Pipe—Fuel—8½" long .....	3		
	No. 92647 Tee .....	1		662
	No. 92713 Coupling .....	1		662
	No. 292486 Wing Plug, Chain and Clip Assy.....	1		662
	No. 293819 Pipe—Fuel—12½" long .....	4		667
	Used on type No. 201838:			
29693	Plug—Spark (with gasket) .....	3		681
	Note: No. 292519 Plug—Spark .....	4		682
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.			682
	No. 293923 Plug—Spark .....	4		
	Used on type Nos. 201072, 201553, 201554, 201557, 201560, 201572.			
29806	Gasket—Spark Plug .....	1		68
53029	Connector—Fuel Pipe .....	1		*68
	Note: No. 93016 Connector—Fuel Pipe .....	1		68
	Used on type No. 201838.			+68
61505	Ring—Piston, Oil—Standard .....	1		68
61747	Ring—Piston, Oil—.010" O.S. ....	1		+68
61748	Ring—Piston, Oil—.020" O.S. ....	1		+68
61749	Ring—Piston, Oil—.030" O.S. ....	1		+68
61967	Stop—Throttle .....	1		68
62199	Washer—Armature Support Mounting .....	1		
62222	Cup—Valve Spring .....	1		
62899	Washer—Thermostat .....	1		
62966	Switch—Stop .....	2		
	Note: No. 29372 Switch—Stop .....	3		+*68
	Used on type Nos. 201039, 201317, 201849.			
	No. 220197 Switch—Stop .....	2		69
	Used on type Nos. 201071, 201843, 201844, 201848, 201851.			69
63377	Connector—Fuel Pipe .....	1		69
63426	Locknut—Control Wire Casing .....	1		
63532	Spacer—Flame Arrestor .....	1		
65616	Casing—Control Wire—72" long .....	8		88
	Note: If longer casing is required, specify length in inches; if shorter wire is needed, order No. 65616 and cut to required length.			88
65906	Spring—Valve .....	2		88
	Note: No. 26840 Spring—Exhaust Valve .....	1		90
	Used on type Nos. 201046, 201048, 201050, 201052, 201054, 201056, 201057, 201060, 201061, 201062, 201064, 201069, 201076, 201078, 201318, 201545, 201833, 201834, 201837, 201838.			90
66048	Plate—Insulator .....	1		
	Note: No. 66318 Plate—Insulator .....	1		90
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.			90
66068	Washer—Breaker Plate Insulating .....	1		90
	Note: No. 66328 Washer—Breaker Plate Insulating .....	1		90
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.			* In
				+ In



PARTS SECTION

PING  
GHT  
Oz.

PART NO.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
66078	Bushing—Breaker Plate Pivot		1
	<i>Note: No. 66338</i> Bushing—Breaker Plate Pivot		1
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.		
66154	Washer—Back Plate Terminal		1
	<i>Note: No. 66364</i> Washer—Terminal		1
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.		
66204	Gasket—Fuel Pump Valve		1
66214	Gasket—Valve Cover		1
66246	Lock—Piston Pin		1
66768	Plug—Oil Filler		1
68122	Plug—Cam Shaft		1
68283	Collar—Valve Spring Retainer		1
68293	Retainer—Valve Spring		1
	<i>Note: No. 292260</i> Rotocap Assembly—Exhaust Valve		3
	Used on type Nos. 201046, 201048, 201050, 201052, 201054, 201056, 201057, 201060, 201061, 201062, 201064, 201069, 201076, 201078, 201318, 201545, 201833, 201834, 201837, 201838.		
68333	Shaft—Cam		4
68477	Gasket—Fuel Filter Bowl		1
68487	Bowl—Fuel Filter		2
68857	Gasket—Carburetor Body		1
68877	Gasket—Fuel Inlet Valve Seat		1
68887	Packing—Needle Valve		1
68897	Gasket—Carburetor Venturi		1
68923	Valve—Intake		4
	<i>Note: No. 23662</i> Valve		4
	Used on type Nos. 201042, 201043, 201045, 201046, 201048, 201050, 201052, 201054, 201056, 201057, 201060, 201061, 201062, 201064, 201069, 201076, 201078, 201318, 201545, 201833, 201834, 201837, 201838.		
68987	Gasket—Carburetor Mounting		1
69221	Cap—Fuel Tank (screw-on type)		2
69932	Rope—Starter		6
69961	Cap—Fuel Tank (Bayonet type)		4
	<i>Note: No. 293026</i> Cap—Fuel Tank		6
	Used on type No. 201838.		
89495	Body Assembly—Upper Carburetor		4
89742	Shield Assembly—Spark Plug		6
89838	Wrench—Spark Plug		6
90050	Screw—Machine, Rd. Hd.—6-32x $\frac{1}{4}$ "		1
90067	Screw—Machine, Rd. Hd.—8-32x $\frac{1}{8}$ "		1
90072	Screw—Machine, Rd. Hd.—8-32x $\frac{5}{8}$ "		1
	<i>Note: No. 92786</i> Screw—Machine, Rd. Hd.—8-32x $\frac{5}{8}$ "		1
	Used on type Nos. 201069, 201076, 201078, 201837, 201838.		
90083	Screw—Machine, Rd. Hd.—10-32x $\frac{5}{8}$ "		1
90211	Screw—Machine, Fill. Hd.—8-32x $\frac{3}{8}$ "		1
90355	Nut—Hex.—10-32		1
90356	Nut—Hex.—10-24		1
90362	Washer—Lock—No. 6x $\frac{3}{4}$ x $\frac{1}{2}$ "		1
90366	Washer—Lock— $\frac{5}{8}$ x $\frac{1}{8}$ x $\frac{1}{8}$ "		1

\* Included in Gasket Set — Part No. 291677.

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

PARTS SECTION

PART NO.	NAME	SHIPPING WEIGHT		PART NO.
		Lbs.	Oz.	
90367	Washer—Lock—No. $8 \times \frac{1}{4} \times \frac{1}{8}$ "		1	
	<i>Note:</i> No. 92791 Washer—Lock—Shakeproof		1	
	Used to mount condenser on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.			
90576	Nut—Hex.—8-32		1	9142
	<i>Note:</i> No. 92794 Nut—Hex.—8-32		1	9148
	Used on type Nos. 201064, 201069, 201076, 201078, 201837, 201838.			9153
90700	Screw—Cap, Hex. Hd.— $\frac{1}{4}$ -20x $\frac{3}{4}$ "		1	
	<i>Note:</i> No. 92412 Screw—Cap, Hex. Hd.— $\frac{1}{4}$ -20x $\frac{3}{4}$ "		1	9195
	Used on type Nos. 201048, 201054, 201056, 201060, 201318.			9196
90832	Washer—Lock— $\frac{1}{4} \times \frac{3}{8} \times \frac{1}{4}$ "		1	9206
	<i>Note:</i> No. 92778 Washer—Lock—Shakeproof		1	9215
	Used to lock shielding terminals to armature support lug; also to mount blower housing on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.			9214
90887	Screw—Cap, Hex. Hd.— $\frac{3}{8}$ -16x1 $\frac{1}{4}$ "		1	9220
	<i>Note:</i> No. 92406 Screw—Cap, Hex. Hd.— $\frac{3}{8}$ -16x1 $\frac{1}{4}$ "		1	
	Used on type Nos. 201048, 201054, 201056, 201060, 201318.			
90923	Screw—Sheet Metal, Rd. Hd., Type A—No. 6x $\frac{1}{4}$ "		1	9221
90970	Nut—Square— $\frac{1}{4}$ -20		1	9222
	<i>Note:</i> No. 92425 Nut—Square— $\frac{1}{4}$ -20		1	
	Used on type Nos. 201048, 201056, 201060, 201318.			
91084	Plug—Pipe— $\frac{3}{8}$ "		1	9223
	<i>Note:</i> No. 92542 Plug—Oil Drain		1	9224
	Used on type Nos. 201059, 201081, 201852.			
	No. 92817 Plug—Oil Drain (Magnetic)		1	
	Used on type Nos. 201087, 201838.			
91146	Screw—Cap, Hex. Hd.— $\frac{1}{4}$ -20x $\frac{7}{8}$ "		1	9225
	<i>Note:</i> No. 92636 Screw—Cap, Hex. Hd.— $\frac{1}{4}$ -20x2"		1	9226
	Used to mount rotor brush at lower armature support lug on type Nos. 201040, 201042.			9227
	No. 92730 Screw—Cap, Hex. Hd.— $\frac{1}{4}$ -20x2"		1	9228
	Used to mount rotor brush at lower armature support lug on type No. 201056.			9229
	No. 92732 Screw—Cap, Hex. Hd.— $\frac{1}{4}$ -20x $\frac{7}{8}$ "		1	9230
	Used on type Nos. 201048, 201054, 201056, 201060, 201318.			
91237	Washer—Lock— $\frac{1}{4} \times \frac{3}{8} \times \frac{1}{4}$ "		1	9231
91242	Locknut—Exhaust Elbow		1	9232
91245	Nipple—Exhaust		2	9233
91246	Elbow—Exhaust— $\frac{3}{4}$ " 45°		2	9234
	<i>Note:</i> No. 91205 Elbow—Exhaust— $\frac{3}{4}$ " 90°		2	9235
	Used on type Nos. 201022, 201029, 201060, 201062, 201819, 201830.			9236
	No. 91219 Elbow—Exhaust— $\frac{3}{4}$ " 45° Street		2	9237
	Used on type Nos. 201023, 201033, 201039, 201049, 201059, 201075, 201317, 201318, 201825, 201838, 201849, 201979.			
	No. 91464 Elbow—Exhaust— $\frac{3}{4}$ " 90° Street		2	
	Used on type Nos. 201078, 201324, 201537, 201558.			
91257	Screw—Machine, Fill. Hd.— $\frac{1}{4}$ -20x1 $\frac{1}{2}$ "		1	9238
	<i>Note:</i> No. 92424 Screw—Machine, Fill. Hd.— $\frac{1}{4}$ -20x1 $\frac{1}{2}$ "		1	9239
	Used on type Nos. 201048, 201056, 201060, 201318.			9240
91386	Screw—Cylinder Head and Gear Case Cover (2" long)		1	9241
	<i>Note:</i> No. 91203 Screw—Cylinder Head (1 $\frac{3}{4}$ " long)		1	9242
	Used in cylinder head bosses on power take-off side on engines before Serial No. 13857.			9243

(See following page)

PARTS SECTION

PING GHT Oz.	PART NO.	NAME	SHIPPING WEIGHT	
			Lbs.	Oz.
1		No. 92279 Screw—Gear Case Cover (1½" long) .....	1	
1		Used on type Nos. 201975, 201977, 201978, 201979, 201980, 201981.		
		No. 92415 Screw—Cylinder Head .....	1	
		Used on type Nos. 201048, 201054, 201056, 201060, 201318.		
	91422	Screw—Cap, Hex. Hd.—¼-20x½" .....	1	
1	91488	Plug—Square Head, ⅝", Pipe .....	1	
1	91539	Key—Pulley Mounting .....	1	
		Note: No. 63055 Key—Pulley Mounting .....	1	
		Used on type No. 201814.		
1	91920	Screw—Machine, Fill. Hd.—8-32x⅝" .....	1	
1	91984	Pin—Cotter—⅜x½" long .....	1	
1	92067	Nut—Wing .....	1	
1	92129	Nut—Hex.—¼-28 .....	1	
	92146	Screw—Connecting Rod .....	1	
	92195	Screw—Cap, Hex. Hd.—¼-20x3" .....	1	
		Note: No. 92221 Screw—Cap, Hex. Hd.—¼-20x3" .....	1	
		Used on type Nos. 201048, 201054, 201056, 201060, 201318.		
1	92268	Washer—Lock—⅜x⅜x⅜" .....	1	
1		Note: No. 92405 Washer—Lock—⅜x⅜x⅜" .....	1	
		Used on type Nos. 201048, 201054, 201056, 201060, 201318.		
1	92269	Key—Rotor .....	1	
1	92272	Screw—Cap, Hex. Hd.—⅜-18x¾" .....	1	
1		Note: No. 92409 Screw—Cap, Hex. Hd.—⅜-18x¾" .....	1	
		Used on type Nos. 201048, 201054, 201056, 201060, 201318.		
1	92578	Screw—Machine, Fill. Hd.—10-24x⅝" .....	1	
1	92290	Washer—Lock—No. 10x⅜x⅜" .....	1	
		Note: No. 92813 Washer—Lock—Shakeproof .....	1	
		Used to mount breaker box on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.		
1	92306	Screw—Cap, Hex. Hd.—¼-28x⅝" .....	1	
1	92576	Screw—Machine, Hex. Hd.—8-32x⅜" .....	1	
1	92578	Screw—Machine, Fill. Hd.—10-24x⅝" .....	1	
1	92581	Nut—Hex.—6-40 .....	1	
	92613	Bolt—Governor Lever .....	1	
	92661	Screw—Rotor .....	1	
1		Note: No. 92743 Screw—Rotor .....	1	
		Used on type Nos. 201048, 201054, 201056, 201060, 201318.		
1	92666	Screw—Cap, Hex. Hd.—¼-20x½" .....	1	
1		Note: No. 92672 Screw—Sheet Metal, Hex. Hd.—No. 14x½" .....	1	
2		Used to mount blower housing on engines before Serial No. 14369.		
2		No. 92734 Screw—Cap, Hex. Hd.—¼-20x½" .....	1	
2		Used on type Nos. 201048, 201054, 201056, 201060, 201318.		
	92678	Screw—Set, Socket Hd.—6-32x⅜" .....	1	
2	92685	Screw—Sheet Metal, Rd. Hd., Type "Z," No. 10x½" .....	1	
		Note: No. 92681 Screw—Sheet Metal, Rd. Hd.—No. 14x½" .....	1	
		Used to fasten cylinder shield to back plate on engines before Serial No. 14369.		
2		No. 90916 Screw—Machine, Rd. Hd.—¼-20x½" .....	1	
1		Used to fasten cylinder shield to back plate on engines after Serial No. 14369.		
1	92729	Nut—Cylinder Shield .....	1	
1	92734	Screw—Cap, Hex. Hd.—¼-20x½" .....	1	
1	92791	Washer—Lock—Shakeproof No. 1208 .....	1	
1	92813	Washer—Lock—Shakeproof .....	1	
	92864	Washer—Lock—Shakeproof .....	1	
	92955	Screw—Throttle Housing and Fuel Pump Head Sem .....	1	
	93038	Screw—Throttle Valve Mounting Sem .....	1	

PARTS SECTION

PART NO.	NAME	SHIPPING WEIGHT		PART NO.
		Lbs.	Oz.	
93043	Pin—Throttle Lever .....		1	2208
93096	Screw—Rotor Screw Locking .....		1	†2306
	<i>Note:</i> No. 93097 Screw—Rotor Screw Locking .....		1	
	Used on type Nos. 201048, 201054, 201056, 201060, 201318.			
93128	Screw—Carburetor and Intake Elbow Mounting Sem .....		1	
	<i>Note:</i> No. 92684 Screw—Machine, Fill. Hd.— $\frac{1}{4}$ -20x $\frac{1}{4}$ " .....		1	2301
	No. 90832 Washer—Lock— $\frac{1}{4}$ x $\frac{1}{2}$ x $\frac{1}{4}$ " .....		1	2601
	Used on type Nos. 201522, 201525, 201527, 201528, 201538, 201539, 201547, 201554, 201558, 201561, 201837.			
93158	Screw—Cylinder Shield Mounting Sem .....		1	
	<i>Note:</i> No. 91339 Screw—Machine, Rd. Hd.— $\frac{1}{4}$ -20x $\frac{1}{2}$ " .....		1	
	No. 90832 Washer—Lock— $\frac{1}{4}$ x $\frac{1}{2}$ x $\frac{1}{4}$ " .....		1	
	Used on type Nos. 201048, 201054, 201056, 201060, 201318.			
93186	Screw—Cap, Socket Hd. ....		1	
99157	Ball Bearing (Used only on 9B and 9FB engines) .....		8	
99395	Arrestor—Flame .....		6	
99634	Body—Upper Carburetor .....		4	
99665	Yoke Assembly—Fuel Filter .....		2	
99868	Shaft and Lever—Throttle .....		1	
99876	Carburetor Assembly .....	1		
	<i>Note:</i> No. 291718 Carburetor Assembly .....	1		
	Used on type Nos. 201313, 201522, 201525, 201527, 201528, 201538, 201539, 201547, 201554, 201558, 201561, 201837.			
	No. 292116 Carburetor Assembly .....	1		
	Used on type Nos. 201041, 201058, 201063, 201319, 201532, 201534, 201535, 201542, 201544, 201827, 201836.			
	No. 293780 Carburetor Assembly .....	1		
	Used on type Nos. 201320, 201321, 201515, 201524, 201526, 201540.			
99908	Cleaner Assembly—Air .....	1		
	Used on engines before Serial No. 18382.			
99909	Cover Assembly—Fuel Filter .....		2	
	<i>Note:</i> No. 293896 Cover Assembly—Fuel Filter .....		2	
	Used on type No. 201838.			
99910	Filter Assembly—Fuel .....		10	
	<i>Note:</i> No. 293895 Filter Assembly—Fuel .....		10	
	Used on type No. 201838.			
99920	Piston Assembly—Standard .....		8	
99925	Cover and Filter Assembly—Air Cleaner .....		3	
99926	Bowl Assembly—Air Cleaner .....		3	
99967	Piston Assembly—.010" O.S. ....		8	
99968	Piston Assembly—.020" O.S. ....		8	
99969	Piston Assembly—.030" O.S. ....		8	
220001	Housing—Blower .....	2	8	
	<i>Note:</i> No. 221113 Housing—Blower .....	2	8	
	Used on type No. 201851.			
220019	Guide—Front Air .....		3	
220352	Plug—Welch .....		1	
220431	Lever—Fuel Pump .....		2	29
220521	Retainer—Carburetor Drain Filter .....		1	
220790	Lock—Screw .....		1	
220897	Valve—Choke .....		1	21
	<i>Note:</i> No. 22050 Valve—Choke (with hole) .....		1	
	Uses: No. 93038 Screw (for mounting)			
	No. 22876 Valve—Choke (with hole) .....		1	
	Used on type Nos. 201522, 201525, 201527, 201528, 201538, 201539, 201547, 201554, 201558, 201561, 201837.			
	Uses: No. 93038 Screw (for mounting)			†1

PART NO.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
220899	Washer—Choke Lever .....		1
†230005	Valve—Needle .....		1
	Note: No. 292088 Needle Valve Assembly .....		1
	Used on type Nos. 201041, 201058, 201063, 201073, 201080, 201319, 201322, 201532, 201534, 201535, 201542, 201544, 201549, 201550, 201827, 201836, 201840.		
230238	Stud—Air Cleaner (Used only with Air Cleaner No. 293517) .....		1
260290	Crankshaft .....	4	8
	Note: No. 260277 Crankshaft .....	4	8
	Used on type Nos. 201810, 201811, 201812, 201813, 201814, 201815, 201816, 201817, 201818, 201819, 201820, 201821, 201822, 201823, 201824, 201825, 201826, 201827, 201828, 201829, 201830, 201831, 201832, 201834, 201835, 201836, 201837, 201839, 201840, 201841, 201842, 201843, 201844, 201845, 201846, 201847, 201848, 201849, 201850, 201852, 201853.		
	No. 260278 Crankshaft .....	4	8
	Used on type Nos. 201510, 201514, 201518, 201519, 201520, 201530, 201532, 201549.		
	No. 260279 Crankshaft .....	4	8
	Used on type Nos. 201310, 201311, 201314, 201315, 201316, 201317, 201318, 201319, 201322, 201324, 201325, 201326, 201327, 201511, 201517, 201523, 201529, 201534, 201535, 201536, 201537, 201538, 201541, 201548, 201550, 201552, 201556, 201560, 201561, 201565, 201567.		
	No. 260280 Crankshaft .....	4	8
	Used on type Nos. 201513, 201516, 201522, 201528, 201531, 201533, 201539, 201542, 201545, 201546, 201547, 201551, 201553, 201554, 201555, 201558, 201559, 201564, 201569, 201571, 201573.		
	No. 260281 Crankshaft .....	4	8
	Used on type Nos. 201515, 201524, 201525, 201527, 201540.		
	No. 260282 Crankshaft .....	4	8
	Used on type Nos. 201975, 201977, 201978, 201979, 201980, 201981.		
	No. 260283 Crankshaft .....	4	8
	Used on type Nos. 201320, 201321, 201323, 201526, 201566.		
	No. 260284 Crankshaft .....	4	8
	Used on type Nos. 201543, 201544, 201562.		
	No. 260285 Crankshaft .....	4	8
	Used on type Nos. 201833, 201838.		
	No. 260286 Crankshaft .....	4	8
	Used on type No. 201065.		
	No. 260287 Crankshaft .....	4	8
	Used on type No. 201070.		
	No. 260288 Crankshaft .....	4	8
	Used on type Nos. 201563, 201568, 201570.		
	No. 260289 Crankshaft .....	4	8
	Used on type No. 201557.		
	No. 260376 Crankshaft .....	4	8
	Used on type No. 201572.		
	No. 260401 Crankshaft .....	4	8
	Used on type No. 201851.		
290062	Control Assembly—Throttle .....		4
	Note: No. 290463 Control Assembly—Throttle .....		4
	Used on type No. 201315.		
290568	Lever Assembly—Control .....		4
	Note: No. 92685 Screw—Sheet Metal (2) .....		1
	No. 92290 Washer—Lock (2) .....		1
	Used to mount control lever to cylinder head cover on type No. 201568.		

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

PARTS SECTION

PART NO.	NAME	SHIPPING WEIGHT		PART NO.
		Lbs.	Oz.	
290584	Base—Control Lever .....		2	
290614	Core—Coil .....		6	29098
	<i>Note:</i> No. 292319 Core—Coil .....		6	29098
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.			2910-
290621	Armature and Support Assembly .....	3		2911-
	<i>Note:</i> No. 292318 Armature and Support Assembly .....	3		2911-
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.			2912-
290622	Diaphragm—Fuel Pump .....		2	
290623	Valve—Fuel Pump .....		1	
290642	Lever—Control .....		2	
290816	Tank Assembly—Fuel (4 quart).....	2	8	
	<i>Note:</i> When replacing fuel tanks mounted with banding, two tank straps must also be ordered. See Master Part No. 291367; also No. 291490 under Note.			2912
	<i>Note:</i> On type No. 201537 tank and mounting parts are supplied by the equipment manufacturer.			2913
	No. 291488 Tank Assembly (6 quart).....	2	8	
	Used on type Nos. 201045, 201050, 201058, 201059, 201515, 201527, 201528, 201531, 201545, 201819.			
	No. 291513 Tank Assembly—Combination Fuel (6 quart).....	3		2913
	Used on type Nos. 201028, 201073, 201080, 201314, 201322, 201518, 201523, 201549, 201550, 201816, 201840.			2913
	No. 293024 Tank Assembly—Fuel (8 quart).....		4	2913
	Used on type No. 201838.			
	Uses: No. 92958 Plug—Drain .....		1	
	No. 293007 Strainer—Fuel .....		3	
290820	Ring Set—Standard Piston .....		3	
290821	Ring Set—.010" O.S. Piston .....		3	
290822	Ring Set—.020" O.S. Piston .....		3	
290823	Ring Set—.030" O.S. Piston .....		3	
290840	Crank—Starting .....	1	8	291-
290880	Coil—Magneto (includes ignition cable) .....		12	
	<i>Note:</i> No. 292650 Coil—Magneto (Includes Ignition Cable) .....		12	
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201318.			
	No. 293013 Coil—Magneto .....		12	
	Used on type Nos. 201061, 201064, 201069, 201076, 201078, 201833, 201834, 201837, 201838.			
290882	Cover—Breaker .....		3	291
	<i>Note:</i> No. 292397 Cover—Breaker .....		3	291
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.			
290922	Weight—Spark Advance .....		4	
290930	Lead—Primary .....		2	
	<i>Note:</i> No. 292069 Lead—Primary .....		3	291
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201318, 201833, 201834.			
	Includes: No. 92705 Terminal—Shielding (Used at Armature Support Lug) .....		1	
	No. 293197 Lead—Primary .....		3	
	Used on type Nos. 201064, 201069, 201076, 201078, 201837, 201838.			291-
290932	Seal—Oil .....		2	291

PARTS SECTION

PART NO.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
2	290985 Pin Assembly—Piston—Standard .....		2
6	290986 Pin Assembly—Piston—.005" O.S. ....		2
6	291044 Lever Assembly—Thermostat .....		1
	291106 Seal—Oil .....		1
	291172 Cover—Oil Filler .....		2
	291177 Shaft—Governor Gear .....		1
	291192 Gear Assembly—Governor .....		5
	291232 Rod Assembly—Connecting .....		8
	291244 Muffler .....		10
	Note: No. 89953 Muffler .....	2	8
	Used on type Nos. 201033, 201039, 201075, 201317, 201318, 201324, 201537, 201545, 201558, 201825, 201849, 201979.		
	No. 293666 Muffler .....	2	8
	Used on type No. 201833.		
	291281 Cover Assembly—Crankcase .....		1
	291309 Shaft Assembly—Drive .....	10	
	Note: No. 290577 Drive Shaft, Gear and Bearing Assembly.....	7	
	Used on type Nos. 201975, 201977, 201978, 201979, 201980, 201981.		
	Includes: {No. 22723 Shim—.003" thick .....		1
	{No. 22724 Shim—.010" thick .....		1
	No. 292466 Shaft Assembly—Drive .....	10	
	Used on type Nos. 201831, 201845, 201847.		
	291311 Gear—Cam .....	1	2
	291312 Seal—Oil .....		2
	291313 Plate Assembly—Back .....		14
	Note: No. 292161 Plate Assembly—Back .....		14
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201318, 201833, 201834.		
	No. 293341 Plate Assembly—Back .....		14
	Used on type Nos. 201064, 201069, 201076, 201078, 201837, 201838.		
	Includes: {No. 92786 Screw—Machine, Rd. Hd.—8-32x $\frac{5}{8}$ " .....		1
	{No. 92794 Nut—Hex. 8-32 .....		1
	{No. 92864 Washer—Lock—Shakeproof .....		1
	For shielding lead terminal.		
	291314 Base—Assembly—Engine .....	3	
	Note: No. 21896 Base—Engine .....	2	8
	Used on type Nos. 201059, 201081, 201838, 201852.		
	Uses: No. 89859 Nipple—Oil Filler .....		3
	No. 294808 Base Assembly .....	3	
	Used on type No. 201078.		
	No. 296212 Base Assembly—Engine.....	3	
	Used on type No. 201853.		
	291315 Flywheel Assembly .....	11	8
	291354 Cover Assembly—Gear Case .....	3	
	Note: No. 290574 Cover Assembly—Gear Case .....	4	
	Used on type Nos. 201975, 201977, 201978, 201979, 201980, 201981.		
	Includes: {No. 22723 Shim—.003" thick .....		1
	{No. 22724 Shim—.010" thick .....		1
	{No. 63899 Cup—Bearing .....		6
	{No. 69858 Seal—Oil .....		4
	291355 Case Assembly—Gear .....	3	4
	Note: No. 291711 Case Assembly—Gear .....	6	
	Used on type Nos. 201975, 201977, 201978, 201979, 201980, 201981.		
	Includes: {No. 63382 Cup—Bearing .....		6
	{No. 220064 Washer—Thrust .....		1
	{No. 230012 Pin—Washer Retainer .....		1
	291364 Crank Assembly—Governor .....		2
	291365 Lever Assembly—Governor .....		2

PARTS SECTION

PART NO.	NAME	SHIPPING WEIGHT		PART NO.
		Lbs.	Oz.	
291366	Cover Assembly—Oil Filler .....		2	21954
	<i>Note:</i> No. 89910 Oil Filler Cap and Drain Plug .....		6	
	Used on type Nos. 201059, 201081, 201852.			
	Uses: No. 65938 Gasket—Filler Cap .....		1	29160
	No. 292495 Oil Filler Cap and Drain Plug .....		6	29167
	Used on type No. 201838.			29169
	Uses: No. 65938 Gasket—Filler Cap .....		1	29180
291367	Strap Assembly—Fuel Tank .....		6	29167
	<i>Note:</i> No. 291490 Strap Assembly—Fuel Tank .....		8	29180
	Used on type Nos. 201028, 201045, 201050, 201058, 201059, 201080, 201314, 201515, 201518, 201523, 201527, 201528, 201531, 201545, 201816, 201819, 201838.			29180
	No. 292356 Strap Assembly—Fuel Tank .....		6	29200
	Used on type Nos. 201048, 201056, 201060, 201318.			29200
291369	Condenser .....		2	29200
	<i>Note:</i> No. 292227 Condenser .....		2	29220
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201064, 201069, 201076, 201078, 201318, 201833, 201834, 201837, 201838.			†29260
291448	Tube Assembly—Thermostat .....		6	2934
291449	Thermostat Assembly .....		8	
291493	Pump Assembly—Fuel .....	1	4	
291508	Shielding Assembly—Ignition Cable .....		1	
	<i>Note:</i> No. 292032 Shielding Assembly—Ignition Cable .....		3	2935
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201318, 201833, 201834.			2935
	Uses: No. 26487 Clamp—Shielding .....		1	2939
	No. 66298 Bushing—Spark Plug Terminal .....		1	2940
	No. 92704 Terminal—Spark Plug .....		1	
	No. 92705 Terminal—Shielding .....		1	
	No. 220168 Clip—Shield Grounding (Soldered to Shielding) .....		1	
	No. 220508 Clip—Shield Support .....		1	
	No. 292412 Elbow—Spark Plug Cable .....		2	2948
	No. 293195 Shielding Assembly—Ignition Cable .....		3	2948
	Used on type Nos. 201064, 201069, 201076, 201078, 201837, 201838.			2948
	Uses: No. 26487 Clamp—Shielding .....		1	
	No. 66298 Bushing—Spark Plug Terminal .....		1	
	No. 92704 Terminal—Spark Plug .....		1	
	No. 92794 Nut—Hex. (Shielding Lead) .....		1	
	No. 92864 Washer—Lock—(Shielding Lead) .....		1	2950
	No. 220508 Clip—Shield Support .....		1	2950
	No. 292412 Elbow—Spark Plug Cable .....		2	
291522	Cylinder .....	20		
	<i>Note:</i> No. 292157 Cylinder .....	20		
	Used on type Nos. 201042, 201043, 201045, 201046, 201048, 201050, 201052, 201054, 201056, 201057, 201060, 201061, 201062, 201064, 201069, 201076, 201078, 201318, 201545, 201833, 201834, 201837, 201838.			† Inc:
291524	Support Assembly—Plain Bearing .....		10	
291527	Support Assembly—Ball Bearing .....		6	
291531	Shaft Assembly—Breaker .....		2	
291532	Box Assembly—Breaker .....		8	
	<i>Note:</i> No. 292076 Box Assembly—Breaker .....		8	
	Used on type Nos. 201040, 201042, 201046, 201048, 201052, 201054, 201056, 201057, 201060, 201061, 201318, 201833, 201834.			
	Includes: No. 92705 Terminal—Shielding .....		1	
	No. 293415 Box Assembly—Breaker .....		8	
	Used on type Nos. 201064, 201069, 201076, 201078, 201837, 201838.			
291536	Cover Assembly—Crankcase .....		12	



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PART NO.	NAME	SHIPPING WEIGHT	
		Lbs.	Oz.
210544	Rotor Assembly .....	2	8
	<i>Note:</i> No. 292067 Brush Assembly—Rotor .....		4
	Used on type Nos. 201040, 201042, 201056.		
	Uses: No. 292065 Brush .....		1
	No. 292673 Rotor Assembly .....	2	8
	Used on type Nos. 201043, 201054, 201056, 201060, 201318.		
291603	Breather Assembly .....		5
291677	Gasket Set .....		6
291691	Carburetor Overhaul Kit .....		6
291838	Cleaner Assembly—Air (Used only with No. 99876 Series Carburetors) Used on engines after Serial No. 18381.	1	
291860	Cover—Cylinder Head .....		4
292021	Point Set—Breaker .....		2
292037	Cover and Filter—Air Cleaner .....		8
292038	Bowl—Air Cleaner .....		6
292263	Shield—Cylinder .....		4
†292681	Valve Assembly—Carburetor Idle .....		1
293477	Float—Carburetor .....		3
	<i>Note:</i> No. 99622 Float—Carburetor .....		3
	Used on engines before Serial No. 117756.		
293478	Valve and Seat—Fuel Inlet .....		1
	<i>Note:</i> No. 99636 Valve and Seat—Fuel Inlet .....		1
	Used on engines before Serial No. 117756.		
293515	Body—Lower Carburetor .....		6
293517	Cleaner Assembly—Air .....	1	
	<i>Note:</i> Used only with No. 294075 Series carburetors.		
293991	Bowl—Air Cleaner .....		6
294075	Carburetor Assembly (with integral air cleaner elbow) .....	1	
	Used on engines after Serial No. 133783.		
	<i>Note:</i> No. 294089 Carburetor Assembly .....	1	
	Used after Serial No. 133783 on type Nos. 201041, 201058, 201063, 201073, 201080, 201319, 201322, 201532, 201534, 201535, 201542, 201544, 201549, 201550, 201827, 201836, 201840.		
294863	Cover and Filter—Air Cleaner (with mounting stud) .....		11
294868	Cleaner Assembly—Air (with mounting stud) .....	1	
294874	Shaft and Lever—Choke .....		2
	<i>Note:</i> {No. 291484 Shaft, Vane and Lever Assembly—Automatic Choke {No. 291040 Lever and Weight Assembly—Automatic Choke ....		2
	Used on type Nos. 201522, 201525, 201527, 201528, 201538, 201539, 201547, 201554, 201558, 201561, 201837.		3
295129	Clamp Assembly—Rotor .....		2
295913	Valve—Fuel Shut-off .....		2
	Used on engines after Serial No. 595580.		
	<i>Note:</i> No. 23699 Nut—Fuel Shut-off Lever No. 23933 Lever—Fuel Shut-off No. 27145 Packing—Fuel Shut-off Lever Used on engines before Serial No. 595581.		

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

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## NATION-WIDE SERVICE ORGANIZATION

To provide prompt and efficient service on Briggs & Stratton engines, Central and Authorized Service Distributors are located in principal cities of the United States and Canada in addition to thousands of Registered Service Dealers located in almost every community.

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. Mechanics unfamiliar with Briggs & Stratton engines, or without proper tools, should not be permitted to make major repairs.

Parts and repair work are F.O.B. any Authorized Briggs & Stratton Service Organization. The Central Service Distributor nearest you (see back page) will be glad to give you the name of our Engine Service Organization in your locality, or refer to the yellow classified advertising pages of your telephone directory.

## 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.

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. Refer to the yellow pages of your telephone directory. If none are listed write to the nearest Central 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.
Arizona	Tucson	Motor Supply Co.	33 W. 33rd St.
California	Burlingame	Frank Edwards Co.	1541 Adrian Road
California	Los Angeles 15	Electric Equipment Co.	1611 S. Hope St.
Colorado	Denver 1	Spitzer Electric Company	43 W. 9th Ave.
Connecticut	Hartford 3	The Durham Co., Inc.	409 Ann St.
Florida	Jacksonville 1	Spencer Electric, Inc.	40 W. Beaver St.
Florida	Miami 42	Electrical Equipment Co.	1415 N.W. 21st Terrace
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	Gulling Auto Electric Inc.	1201 Stadium Drive
Iowa	Des Moines 9	Magneto Carburetor & Electric Co., Inc.	1308 Grand Ave.
Kentucky	Louisville 2	Central Service Sales Div.	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 Corporation	15550 Woodrow Wilson Ave.
Minnesota	Minneapolis 16	Reinhard Brothers Co., Inc.	4301 Highway No. 7
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.	905 Second Ave. No.
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 6	F. A. Crossman, Inc.	Tarbell Road
North Carolina	Charlotte 1	Automotive Electric Associates, Inc.	306-14 N. Graham St.
Ohio	Columbus	Gardner, Inc.	122 N. Grant Ave.
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	Auto Equipment & Service Co., Inc.	12th and Glenwood
Pennsylvania	Pittsburgh 24	Pitt Auto Electric Company	5135 Baum Blvd.
Tennessee	Knoxville 7	R. T. Clapp Company	2016 Magnolia Ave., N.E.
Tennessee	Memphis 4	Automotive Electric Service Co.	982 Linden Ave.
Texas	Amarillo	Beard & Stone Electric Company, Inc.	700 E. 10th St.
Texas	Dallas 1	Beard & Stone Electric Company, Inc.	3909 Live Oak St.
Texas	El Paso	Motor Supply Co.	308 Chihuahua St.
Texas	Houston 1	Beard & 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.	551 So. State St.
Virginia	Richmond 21	Richmond Battery & Ignition Co.	2912 W. Leigh St.
Washington	Seattle 4	Charles Stewart, Inc.	1741 First Ave. South
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.	170 Fort St.
Ontario	Toronto 5	Auto Electric Service Company, Limited	1009 Bay St.

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