

# **IMPORTANT SAFETY INFORMATION AND**

# **INSTRUCTIONS FOR** ENGINE SELECTION ENGINE INSTALLATION ENGINE OPERATION

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

18002333723

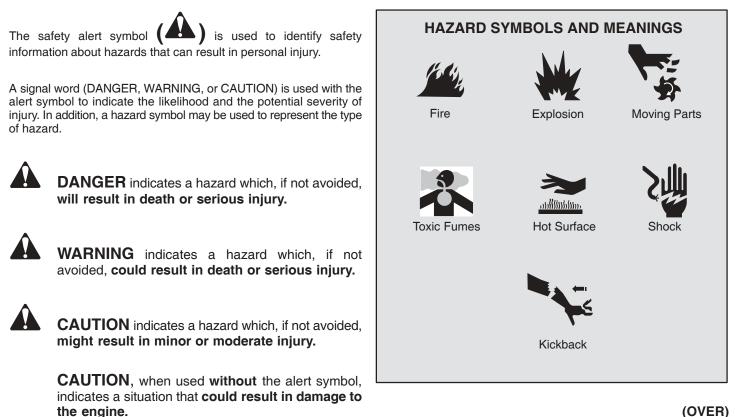
Briggs & Stratton Corporation Milwaukee, Wisconsin 53201

www.briggsandstratton.com

Keep these instructions for future reference.

# **A D 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.



# **ENGINE SELECTION**



 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.

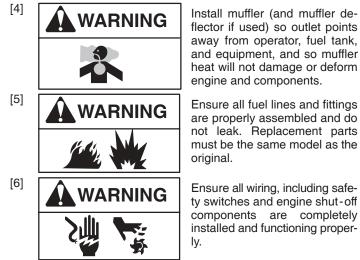
• Replacement engines should be the same model as the original engine, or be the Briggs & Stratton designated replacement engine. Refer to the Operation & Maintenance Instructions for engine identification information.

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

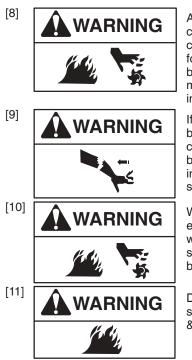
 Do not use Briggs & Stratton engines on 3-wheel All-Terrain Vehicles (ATVs), motor bikes, air craft products, or vehicles intended for use in competitive events. Briggs & Stratton does not approve of or authorize such uses.

# **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.



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



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

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

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

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

# **ENGINE OPERATION**



## WARNING

#### When adding fuel:

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

Fill fuel tank outdoors or in well-ventilated area. Fill tank to about 1 inch below lowest portion of neck to allow for fuel expansion. Keep gasoline away from sparks, open flames, pilot lights, heat, and other ignition sources.



# WARNING

When starting engine:

Remove all external equipment/engine loads.

Wait until spilled fuel is evaporated. Start engine outdoors. Pull cord slowly until resistance is felt, then pull rapidly.

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



## WARNING

When operating equipment:

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

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

Do not choke carburetor to stop engine.

# 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 AND USING THE ENGINE, PAGES 3 TO 5.

For Maintenance Adjustments, see pages 6 to 11.

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 and cylinder head free from grass or dirt.

#### **GENERAL INFORMATION**

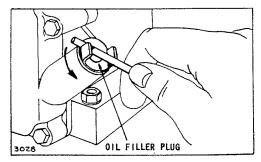
This engine is a single cylinder, L-Head air-cooled type; bore 23%'' and stroke 134''. It is rated at:

1.73 h.p. at 2200 r.p.m. 2.38 h.p. at 2900 r.p.m. 2.75 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 Crankcase With Oil**



OIL LEVEL BO38

Remove the oil filler plug. Use a screwdriver or bar. Some engines have oil filler cap. Use a wrench to remove.

Place the engine level. Fill the crankcase to overflowing. (Capacity 1¼ pints.) Replace oil filler plug or cap.

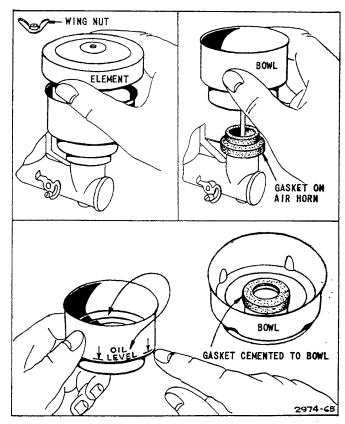
For temperatures  $32^{\circ}$  and above use Mobiloil Arctic S. A. E. No. 20 or equivalent. For temperatures below  $32^{\circ}$  use Mobiloil 10W (S. A. E. No. 10W) or equivalent. For temperatures below  $0^{\circ}$  add 1% of kerosene to the S. A. E. 10W oil for each degree below  $0^{\circ}$  but do not add more than 30%.

#### **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. Lift off bowl. Pour in oil to "oil level" mark at end of arrows. Replace bowl, element, and wing nut. Be sure gaskets are in place.

#### **Fill Fuel Tank**

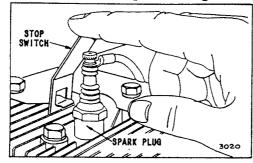
Use a good grade of regular, clean, fresh gasoline such as Mobilgas. Never use gasoline that has been standing in a can for several months as gum may form under such conditions and may clog the carburetor, fuel tank, etc. See that vent hole in cap is open. DO NOT MIX OIL WITH GASOLINE.



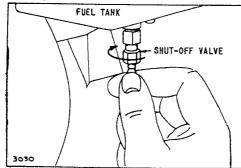
# **USING THE ENGINE**

#### **To Start Engine**

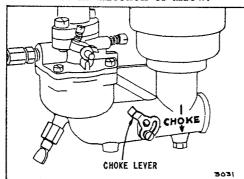
1. Be Sure the Stop Switch Is Away from Spark Plug



**2.** Open Fuel Valve



**3.** Close the Choke Move lever in direction of arrow.

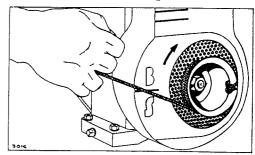


#### 4. Place the Knot In Slot

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.

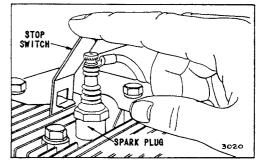
#### **Recoil Starter**

Pull rope slowly until starter clutch engages, then pull until the resistance of compression is felt. Continue to pull slowly about 2 or 3 inches until compression ceases. Allow starter rope to recoil and again pull out slowly until starter clutch engages. Then pull with a quick full arm stroke to start engine. Hold starter grip and allow rope to recoil.



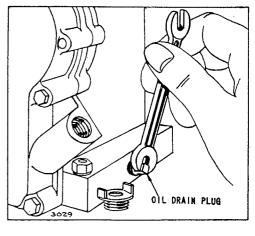
#### **To Stop Engine**

Push the stop switch against the end of spark plug.



#### 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.



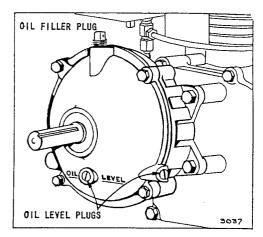
## **USING THE ENGINE**

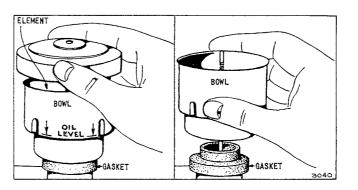
#### Check Oil (Gear Reduction)

6-TO-1 GEAR REDUCTION MODELS. Remove one of the oil plugs in lower half of gear cover every 100 hours of operation to check the oil level. To refill, pour oil (same grade as used in crankcase) into oil filler hole until oil runs out of lower hole. Replace both oil plugs.

#### Change Oil (Air Cleaner)

Check the air cleaner frequently (every few hours 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. Pour in oil to "oil level" mark shown. Replace bowl. 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:

a. Remove fuel tank drain plug. Open fuel valve. Drain tank completely.

b. Operate engine until it stops from

exhaustion of fuel to clean gasoline out of carburetor.

c. While the engine is still warm, drain oil from crankcase. Refill with fresh oil.

d. Replace fuel tank drain plug.

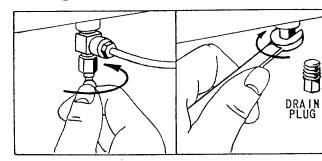
e. Leave fuel valve open.

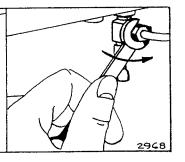
f. Remove spark plug, pour one ounce of S. A. E. No. 20 oil into cylinder and crank slowly to spread oil. Replace spark plug.

g. Clean dirt and chaff from cylinder and cylinder head fins, blower housing, etc.

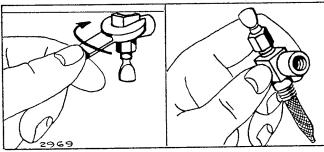
# MAINTENANCE ADJUSTMENTS

#### Draining Fuel Tank and Cleaning Fuel Filter





1. Close Fuel Valve 2. Remove Fuel 3. Detach Fuel Pipe Tank Drain Plug

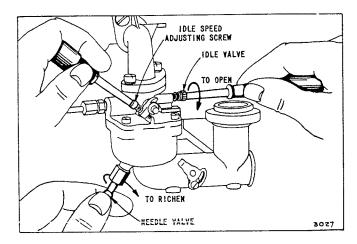


4. Remove Fuel Filter From Fuel Tank 5. Clean With Gasoline. Screen Not Removable. Replace Filter, Pipe Plug, and Fuel Line.

#### **Carburetor Adjustments**

Close the needle valve carefully to avoid damaging it. Then 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.

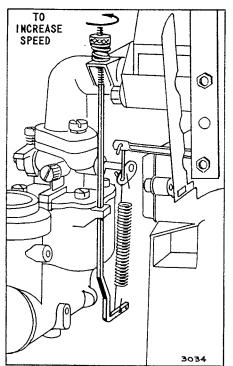
# **MAINTENANCE ADJUSTMENTS**

#### **Governor and Adjustments**

There are two different types of governors used on these engines. They are air vane and mechanical governors. The correct operating speed range is 2200 to 3600 R.P.M. The standard speed setting (no load) is 3300 R.P.M. Idle speed is 1750 R.P.M.

#### Air Vane Governor Adjustments

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#### STANDARD SPEED CONTROL

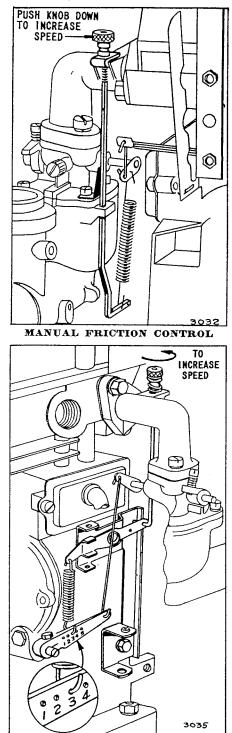
Speed adjusting thumb nut is located on top of engine. To increase speed turn thumb nut counterclockwise.

#### MANUAL FRICTION CONTROL Push knob down to increase speed.

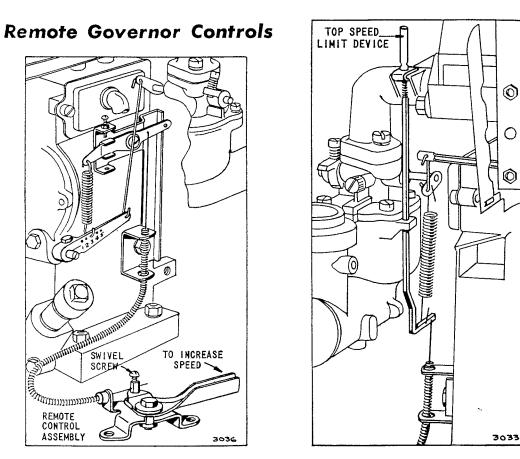
#### Mechanical Governor Adjustments

Speed adjusting thumb nut is located on top of engine. To increase speed turn adjusting thumb nut counterclockwise.

NOTE: Spring loop should be in No. 3 hole of governor lever.



## MAINTENANCE ADJUSTMENTS (Cont'd)



MECHANICAL GOVERNOR

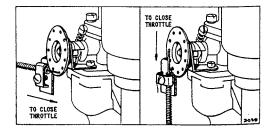
AIR VANE GOVERNOR

Engine speed is controlled by movement of the control lever as shown. Move control lever to HIGH speed position. Loosen swivel screw. Move wire through swivel until top speed limit device reaches stop. Retighten swivel screw. Bend loose end of wire around swivel. Cut off excess wire.

#### **Remote Throttle Control**

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.

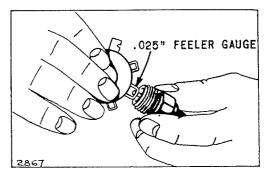
Move control lever to LOW speed position. Loosen screw on swivel. Move wire through swivel until carburetor throttle closes. Tighten swivel screw, bend loose end of wire around swivel. Cut off excess wire.



# MAINTENANCE ADJUSTMENTS (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.



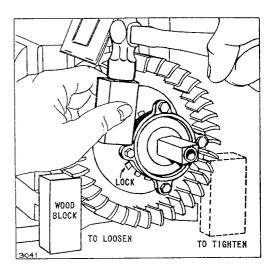
#### **To Adjust and Clean Contact Points**

Blower housing, flywheel, and magneto point dust cover must be removed.

## **To Remove Flywheel**

#### **Recoil Starter**

Take off blower housing with starter attached. Remove 4 screws and screen from clutch housing. Replace screws in housing. Bend back the lock tang on the rear of the clutch. Place a block of wood under fin on left side of flywheel. Hold a block of wood in close against one of the screw lugs. Use a hammer and drive clutch housing to the LEFT to loosen it.



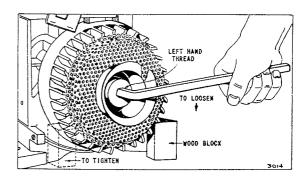
#### To Remove Flywheel

#### **Rope Starter**

Remove blower housing. Place a block of wood under flywheel fin on the right side, close to the flywheel to hold it solid. Use a large wrench, turn to right to loosen. Crankshaft has LEFT hand thread.

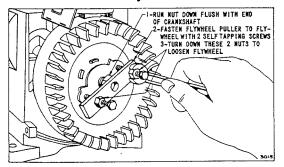
#### Never Try to Pry Off Flywheel

After removing nut, washer and pulley, loosen flywheel by using Flywheel Puller No. 19069.



# MAINTENANCE ADJUSTMENTS (Cont'd)

#### 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.

FEELER GAUGE SCREWDRIVER HERE TO MOVE CONDENSER CONDENSER CLAMP SCREW SCREWDRIVER HERE TO MOVE CONDENSER SCREWDRIVER HERE TO MOVE CONDENSER BACKMARD

To Adjust and Clean Contact Points

Remove dust cover. 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. Replace dust cover.

#### To Reassemble Flywheel

Clean flywheel hole and tapered end of crankshaft thoroughly. Place keyway of crankshaft up. Put flywheel on shaft and align keyways. Insert the key into keyways 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.

#### **Recoil Starter**

Put the clutch lock on the crankshaft; then screw on the clutch housing. (Right hand thread.) Place a wood block under fin on right side of flywheel, hold a block in close against one of the screw lugs on clutch housing. Use heavy blows with a hammer to tighten clutch housing securely. Bend up one tang on lock to lock housing. Replace screen and blower housing with starter.

#### **Rope Starter**

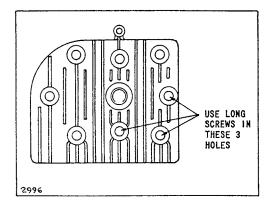
Assemble pulley and washer with hollow side next to pulley. Put on nut. Place the wood block under fin on left side of flywheel. Apply heavy pressure on wrench — seventy pounds at end of 10" wrench handle — to tighten nut. Replace blower housing.

Note. Flywheel key will shear if nut or clutch housing are not properly tightened. All Briggs & Stratton Service Organizations are equipped with special tools to tighten nut and clutch housing.

# MAINTENANCE ADJUSTMENTS

#### **Cylinder Head**

Cylinder head is held in place with eight screws. Use the three long screws at the three holes shown.



#### 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.

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#### PARTS SECTION INDEX

#### 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.

3050-85 -230149 -230149 -26855 6342G Ø 26925 56986 89966 -ohimminiti -230253 220730 210201 291630 291630 O 91838 **.**‡ 26021 0 92089-90832 atadd P 23187 00000 D / -91249 PLUG 29693 SPARK PLUG 60 0 220582 PRDER PART NO. 294244 26973-Ø, φ 92674 91386-22963 27670 22058 21047 4 294367 CONNECT 220756 92296 ASSEMBL 210472 - RING, PISTON, COMP, CENTER, STANDÁRDJ 210489 - -010 - OVERSIZE 210495 - 0320 - " 210471 - RING, PISTON, COMP., TOP, STANDARD 210409 - .010 - OVERSIZE 210493 - .020 - 4 210496 - .030 -60104 30173 294203 - PISTON ASSEMBLY, STANDARD 294227 - .010 - OVERSIZE 294228 - .020 -294229 - 030 -O 210477 - RING, PISTON, OIL, STANDARD 210491 - .010- OVERSIZE 210497 - .020- " 210497 - .030- " INCLUDES PISTON RINGS AND PISTON PIN LOCKS 25 STANDARD STON PIN 291926 15TON PIN 91539 RING SETS-PISTON 294232- STANDARD GU 294224-000" 0.5 294225-030" " 291921 294225-030" " 291921 ãŏ 27586-015 THICK 27618 - 009 SEOE6 294305 COVER 69345 CAP INCLUDES 65304 WASHER .009 -000--/ P 65304 WASHER -015 :015 GASKETS 307 SKETS 99158 06463 91258 91258 6932 E É b 292550 PLUG 292550 PLUG 0 293740 OIL SEAL 6 92747 294306 COVER ASSY 0 0 Ê

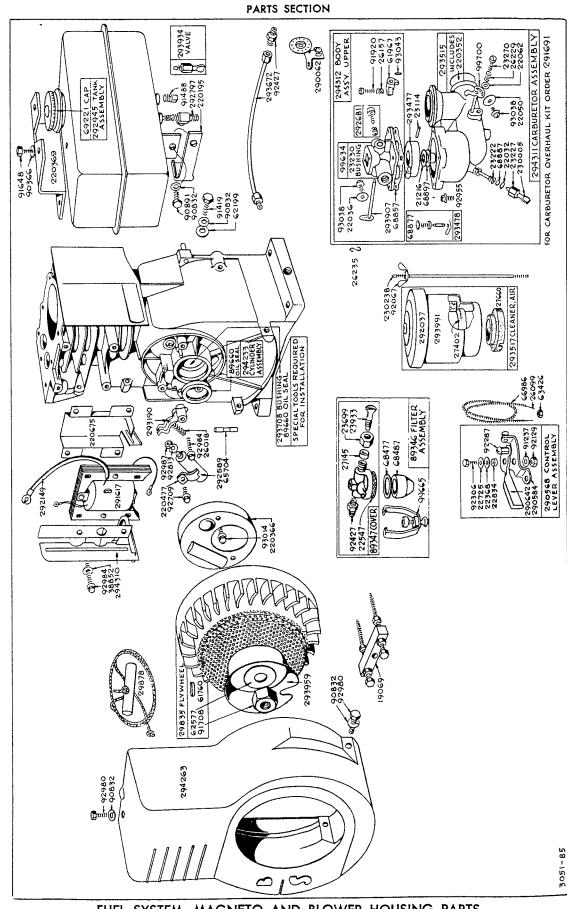
PARTS SECTION

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CYLINDER, CRANKSHAFT, PISTON AND CONNECTING ROD PARTS

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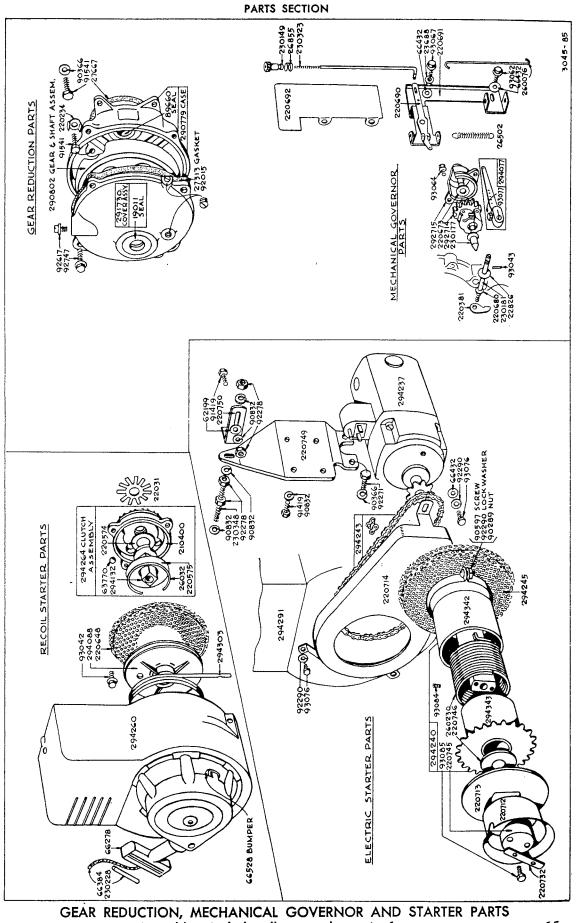
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FUEL SYSTEM, MAGNETO AND BLOWER HOUSING PARTS 14 Download from Www. Som Assembling Alinglude sell crant both from in frames.



Assemblies include all parts shown in frames. Download from Www.Somanuals.com. All Manuals Search And Download. . •

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NUM	ERICAL	PARTS	LIST
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MASTER PART NO.		SHIPPIN WEIGH Lbs. 0	
19011	Seal—Oil		2
19069	Puller-Flywheel (Optional Accessory)		- 4
21216	Venturi—Carburetor		-
22031	Lock-Clutch Housing		1
+22032	Washer-Needle Valve Packing		2
22036	Valve-Throttle		1
22050	ValveChoke		1
22062	Washer-Choke Lever		1
22082	Lock—Connecting Rod Screw		1
22368	Washer-Control Lever		1
22547	Screen—Fuel Filter		1
22725	Washer-Control Lever		1
22826	Washer-Spacer		1
22834	Washer—Spacer		1
22963	Washer-Cylinder Head		1
+23114	Pin—Float Hinge		1
23184	Retainer-Valve Spring		1
23187	Retainer-Valve Spring		1
+23222	Pin—Valve Spring Retainer		1
+23227	Nozzle—Carburetor		1
23230	Nut-Needle Valve Packing		1
23270	Bushing—Throttle Shaft		1
23386	Screw—Choke Lever		1
40086 23688	Valve-Intake		1
	Bushing-Governor Lever		1
23699 23933	Nut—Fuel Shut-Off Lever		2
26018	Lever—Fuel Shut-Off		2
26021	Spring-Breaker Arm		1
26026	Spring-Intake Valve Lock-Piston Pin		1
26032	Spring—Clutch Retainer		1
26099	Wire—Control, 54" Long		1
	Note: If longer wire is needed, specify length by inches; if shorter		2
	wire is needed order No. 26099 and cut to required length.		
+26157	Spring-Throttle Adjustment		1
26229	Spring—Choke Lever		1 1
26235	Link—Governor		ĩ
26478	Spring-Exhaust Valve		1
26502	Spring-Governor		î
26855	Spring—Control Rod		1
26925	Spring—Governor		1
26973 27145	Valve-Exhaust		2
27145 27313	Packing—Fuel Shut-Off Lever	:	1
*27355	Gasket-Gear Case Cover		1
27402	Gasket—Intake Elbow Mounting	:	1
*27349	Gasket—Air Cleaner		1
*27586	Gasket—Crankcase—.015" Thick (Standard)		1
-21011	Gasket—Crankcase—.005" Thick		1
*27618	Gasket—Crankcase—.009" Thick		1
#1000	Gasket—Air Cleaner Mounting		1 1
	Note: No. 27666 Gasket—Air Cleaner Mounting		1 1
	Used on type Nos. 905035, 905050.		*
27667	Gasket—Gear Case	1	1
27670	Gasket-Cylinder Head		1

† Included in Carburetor Overbaul Kit — Part No. 291691. \* Included in Gasket Set — Part No. 294244.

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MASTE: PART NO.		SHIP WEI	
	NAME	Lbs.	02
29693	Plug-Spark (with gasket)		
	Note: No. 293923 Plug-Spark (with gasket) Used on type No. 906528.		:
29806	Gasket-Spark Plug		
29835	Flywheel Assembly		
29878	Rope—Starter		1
38852	Washer—Armature Mounting		
61760	Key-Flywheel		
61967	Stop—Throttle Lever		
62199	Washer—Fuel Tank Bracket		
62577	WasherFlywheel		
63426	Locknut—Control Wire Casing		
63770	Ball—Clutch		1
65304	Gasket-Filler Cap		]
65704	Plunger-Breaker Point		J
66278	Grip—Starter Rope		2
66384	Rope-Starter		1
66432	Washer-Governor Bracket Mounting		1
66528	Bumper-Starter Pulley		1
66638	Tube-Breather		1
	Note: No. 230346 Tube—Breather		1
	Used on type Nos. 905035, 905050.		1
	Uses: No. 220754 Support-Tube		1
	No. 66578 Grommet (In Valve Cover)		1
66986	CasingControl Wire48" Long		8
	Note: If a longer casing is needed, specify length in inchest if a		
	snorter casing is needed order No. 66986 and cut to required		
	length.		
68477	Gasket—Fuel Filter Bowl		1
68487	Bowl—Fuel Filter		1
168857	Gasket-Carburetor Body		1
68877	Gasket—Fuel Inlet Valve Seat		1
68887	Packing—Needle Valve		1
68897	Gasket—Carburetor Venturi		1
68987	Gasket—Carburetor Mounting		ī
69221	Cap-Fuel Tank		2
	Note: No. 69961 Cap—Fuel Tank		2
69345	Used on type No. 905037.		
89346	Cap—Oil Filler		2
89347	Filter Assembly—Fuel		10
89660	Cover Assembly—Fuel Filter		3
89838	Wrench-Spark Plug		1
89966	Muffler		6
	Note. No. 292054 Muffler-Exhaust		4
	Used on type Nos. 905022, 905029, 905030, 905045, 905532, 905821.		6
	No. 294010 Muffler		
	Used on type Nos. 905025, 905028, 905032, 905044, 905056, 905533,		4
	905822, 906529.		
90289	Nut-Square-10-32		1
90366	v a sner - Lock - x x x x x x x''		1
90597	Screw-Machine, Rd. Hd. $-10-32\times14^{\prime\prime}$		1
90832	Washer-Lock		ī
90891	Sciew-Cap, Hex. Hu 4 = 20 x 4 "		1
	Note: No. 91707 Screw—Cap, Hex. Hd.—14-20x1 %"		1
	No. 230352 Spacer		1
	Used on type No. 906021.		T

Included in Carburetor Overbaul Kit — Part No. 291691.
Included in Gasket Set — Part No. 294244.

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PARTS SECTION

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PART			SHIPPING WEIGHT	
NO.	NAME	Lbs.	Oz	
91237	Washer—Lock— $\frac{1}{4}x\frac{3}{32}x\frac{3}{34}$ "			
91249	Plug—Pipe, ¼" Std., Square Hd.		]	
91258	Nipple-Oil Filler		]	
91386	Screw—Cylinder Head (2" Long)		]	
91419	Screw		-	
91488	Plug-Plpe, % Standard, Sq. Hd.			
91539	Key-in Square			
91541	Screw—Cap, Hex. Hd. $\frac{16}{16}-24x\%''$			
91648 91708	Screw—Cap, Hex. Hd.— $18-24x \frac{1}{2}$ "			
91811	Nut-Flywheel			
91838	Locknut—Exhaust Elbow			
01000	Elbow-Exhaust (45° Street)		:	
	Note: No. 91943 Elbow-Exhaust (90° Street)		:	
91920	Used on type No. 905028.			
92015	Screw—Machine, Fill. Hd.—8-32x%"		-	
~~UIU	Plug—Oil Drain (Gear Cover)		:	
	Note: No. 92961 Elbow-Street, ½", 90° Used on type No. 905822.		;	
92067				
92089	Nut—Wing Screw—Machine, Fill. Hd.—¼-20x¾"			
92129	Nut-Hay $1/_{-98}$			
92271	Nut—Hex. <sup>1</sup> / <sub>4</sub> -28 Screw—Cap, Hex. Hd.— <sup>5</sup> / <sub>16</sub> -18x1"			
92278	Nut-Hav $1/20$			
92287	Nut-Hex. 4-20			
92290	ScrewMachine, Rd. Hd10-32x 1/4"			
92296	Washer-Lock-No. $10x_{16}^{1}x_{34}^{2}$ "		2	
92306	Screw-Connecting Rod		]	
92427	Screw—Cap, Hex. Hd.—4-28x%"		3	
92617	Connector—Tubing		1	
)2674	Plug-Breather		2	
92709	Screw-Cylinder Head (2%" Long)		1	
)2747	Screw—Condenser Clamp and Cylinder Shield Mounting Sem		1	
92813	Screw-Crankcase Cover and Gear Case Mounting Sem		1	
2870	Screw-Breather Mounting Sem		1	
2955	Screw—Throttle Housing Mounting Sem		1	
92980	Screw-Fuel Tank and Blower Housing Mounting Sem		1	
2984	Screw-Armature and Breaker Arm Mounting Sem		1	
2987	Nut-Condenser Terminal		1	
3014	Screw—Dust Cover Mounting Sem		1	
3032	Screw—Crankcase Cover Mounting Sem		i	
3038	Screw-Choke and Throttle Valve Mounting Sem		1	
3042	Screw-Rotating Screen Mounting Sem		1	
3043	Pin—Inrottie Stop and Governor Shaft		1	
3062 3064	Screw-Governor Control Bracket Mounting Sem		1	
3064 3067	Screw-Governor Housing to Crankcase Cover Mounting Sem		1	
3076	Screw-Governor Lever Mounting Sem		1	
3077	Screw—Chain Guard Mounting Screw—Governor Lever		1	
3084	Screw-Set, Socket Hd., Cup Pont, 10-32x1/4"		1	
3085	Screw—Clamp Mounting		1	
9158	Bearing—Ball		1	
9634	Body—Upper Carburetor		8 4	
9665	Yoke—Fuel Filter		42	
9700	Shaft and Lever-Choke		2	
0201	Elbow—Intake		6	
0211	GearCamCam	1	4	
0400	Housing—Starter Clutch	ĩ	-	
9471	Ring—Piston, Compression, Top—Standard Ring—Piston, Compression, Center—Standard		1	
0472				

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MASTEI PART NO.	NAME	SHIP WEI Lbs.	PINC GHT Oz
210475	Head-Cylinder	1	
210489 210490	Ring—Piston, Compression, Center—.010" O.S Ring—Piston, Compression, Top—.010" O.S		
210491	Ring—Piston, Oil—.010" O.S		
210492	Ring—Piston, Compression, Center—.020" O.S		
210493	Ring—Piston, Compression, Top—.020" O.S.		
210494	Ring—Piston, Oil—.020" O.S.		
210495	Ring-Piston, Compression, Center030" O.S.		
210496	Ring-Piston, Compression, Top030" O.S		
210497	Ring—Piston, Oil—.030" O.S.		
220195	Bracket—Fuel Tank		
220234	Lock—Gear Case Mounting Screw		
220352	Plug-Welch		
220366	Cover—Breaker Point and Condenser		
220369	Support—Fuel Tank		1
	Note. No. 220358 Support—Fuel Tank		1
	Used on type Nos. 905027, 905031, 905047, 905528.		
	No. 220607 Support—Fuel Tank	1	
	Used on type No. 906021.		
	No. 220755 Support—Fuel Tank	1	
	Used on type Nos. 905035, 905050, 905822.		
220381	Follower-Governor Crank		
220477	Clamp—Condenser		
220574	Washer-Starter Clutch, Thrust		
20575	Washer-Clutch Retainer		
220581	Cover—Cylinder Head		
20582	Switch—Stop		
20615	Shield—Cylinder		
220648	Screen-Recoil Starter		
20670	Dipper-Connecting Rod		:
20673	WasherThrust		
20675	Shield—Coil		
20680	Washer—Thrust		
20690	Lever-Mechanical Governor		
20691	Bracket-Mechanical Governor		2
20692	Guide—Air		2
20698	Bracket—Control Wire Casing		1
20712	Pulley-Rope Starter		5
20713	Washer-Pinion Guard		4
20714	Guard-Electric Starter Chain		5
20730	Clip-Control Rod		1
20732	Lock-Starter Pulley Screw		1
20745	Clamp-Starter Clutch		2
20746	Washer-Thrust		1
20749	Bracket-Starter Support		-
20750	Bracket-Fuel Tank		
20756	Lock—Connecting Rod Screw		1
30005	Valve-Needle		1
30149 30172	Nut-Control Rod		1
30173 30177	Tappet—Valve		t
30177 30181	Cup—Governor		1
30131 30194	Shaft—Governor Lever		1
30228	Rod—Control Pin—Starter Grip		]
30238	Stud—Air Cleaner		1
30253	Stop—Control Rod		1
30323	Rod—Contol (Mechanical Governor)		1
	Stud—Chain Tension Adjusting		1

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IASTER PART NO.	NAME	SHIPF WEIG Lbs.		
260076	Link-Throttle	<u> </u>		
260104	Crankshaft	1		
-00101	Note: No. 260105 Crankshaft			
	Used on type Nos. 905011, 905012, 905023, 905025, 905027, 905030, 905031, 905033, 905036, 905040, 905042, 905043, 905046, 905047, 905050, 905056, 906011.	1		
	No. 260106 Crankshaft Used on type Nos. 905510, 905527, 905529, 905530, 905532, 905533, 906510, 906527, 906529, 906533.	1		
	<b>No. 260107</b> Crankshaft Used on type Nos. 905521, 906531.	1		
,	No. 260108 Crankshaft Used on type Nos. 905522, 905528.	1		
	No. 260109 Crankshaft	1		
	Used on type Nos. 905523, 905531, 906528, 906530, 906532. No. 260110 Crankshaft	1		
	Used on type Nos. 905511, 905512, 906511.	-		
	<b>No. 260111</b> Crankshaft	1		
	Used on type No. 905524.			
	No. 260112 Crankshaft	1		
	Used on type No. 905525.			
	No. 260113 Crankshaft	1		
	Used on type No. 905526.			
	No. 260114 Crankshaft Used on type Nos. 905810, 905821, 905823, 905824, 905825, 906810.	1		
	Used on type Nos. 905810, 905821, 905823, 905824, 905825, 906810. No. 260115 Crankshaft	1		
	Used on type Nos. 905811, 905812, 905822, 906811.	T		
	No 260236 Crankshaft	1		
	Used on type Nos. 905032, 905044.	_		
260230	Spring—Clutch			
290062	Control-Throttle			
290568	Lever Assembly—Control			
290584	Base-Control Lever			
290642	Lever—Control			
290779	Case Assembly—Gear	1		
290802	Shaft Assembly—Drive	3		
291617	Armature—Magneto	1		
291630	Shield-Spark Plug (With Stop Switch)			
291691	Carburetor Overhaul Kit Cover Assembly—Gear Case	-		
291730 291925	Pin Assembly—Piston—Standard	1		
291926	Pin Assembly—Piston—.005" O.S.			
292037	Cover and Filter—Air Cleaner			
292149	Cable—Ignition			
	Note: No. 292915 Cable—Ignition			
	Used on type Nos. 905021, 906527, 906529, 906530, 906531.			
	No. 292946 Cable-Ignition			
	Used on type No. 905031.			
292550	Plug—Oil Filler			
292589	Condenser			
	No. 293999 Wire-Condenser Ground			
	No. 92791 Washer-Lock-Shakeproof (2)			
	Note: No. 90576 Nut-Hex8-32			
	No. 90072 Screw—Machine, Rd. Hd.—8-32x%" No. 66895 Insulator—Terminal			
	Used on type No. 905028.			
292681	Valve Assembly—Carburetor Idle			

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MASTE PART NO,		SHIP WEI Lbs.	
292715	Housing-Governor		
292797	Outlet-Fuel Tank (includes strainer)		
292945	Tank Assembly—Fuel	3	
	Note: No. 292944 Tank Assembly—Fuel	2	
	Used on type Nos. 905027, 905031, 905035, 905047, 905050, 905528.		
	No. 290816 Tank Assembly—Fuel	<b>2</b>	
	Used on type No. 905037.		
	Mounting Parts for No. 290816 Tank are supplied by the equip- ment manufacturer.		
293190			
293477	Arm-Ignition Breaker		
293478	Float—Carburetor Valve and Seat—Fuel Inlet		
293515	Body Assembly—Carburetor		
293517	Cleaner Assembly—Air		
293672	Pipe—Fuel	1	
	Note: No. 66608 Pipe—Fuel		
	Used on type No. 905057.		
	Uses: No. 93060 Clamp (2)		
	No. 230317 Connector (At Tank Valve)		
	No. 230318 Connector (At Carburetor)		
	No. 294184 Pipe—Fuel—14½" Long		
	Used on type No. 905037.		
	No. 294323 Pipe-Fuel		
	Used on type No. 906021.		
	No. 294393 PipeFuel		
	Used on type Nos. 905035, 905050, 905822.		
293708	Bushing-Cylinder		
	Note: Requires special tools for installation.		
293740	Seal—Oil		
293907	Shaft and Lever—Throttle		
	Note: No. 99868 Shaft and Lever—Throttle		
	Used on type Nos. 906010, 906011, 906510, 906511, 906527, 906528		
	906529, 906810, 906811.		
293934	Valve Assembly—Fuel Shut-Off		
93959	Starter Pulley with Screen		
93991	Bowl—Air Cleaner		1
94077	Lever Assembly—Governor		
94088	Pulley-Recoil Starter	1	
94132	Ratchet-Recoil Starter	1	5
94178	Breather—Valve Chamber		8
94203	Fiston Assembly-Standard		ş
94207	Oil Seal and Spacer		:
94224	Ring Set010" O.S. Piston		:
94225	Ring Set020" O.S. Piston		5
94226 94227	Ring Set030" O.S. Piston		З
	Piston Assembly010" O.S.		8
94228 04220	Piston Assembly020" O.S.		8
94229 94232	Piston Assembly030" O.S.		8
94232 94222	Ring Set-Standard Piston		3
94233 94227	Cylinder Assembly	3	9
94237 94240	Motor—Electric Starting		
94240 04242	Clutch Assembly—Electric Starter		
94243 94244	Chain—Electric Starter Drive		6
94244	Gasket Set Screen—Electric Starter Rotating		4
94245			

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MASTER PART			SHIPPING WEIGHT	
NO.	NAME	Lbs.	Oz.	
294260	Housing-Blower (Recoil Starter)	2		
294263	Housing-Blower (Rope Starter)		14	
294264	Clutch Assembly-Recoil Starter	1	8	
294291	Housing-Blower (Electric Starter)	1	4	
294303	Spring-Recoil Starter		5	
294305	Cover Assembly-Crankcase (Used on Model 8B)	2		
294306	Cover Assembly-Crankcase (Used on Model 8B-FB)	2		
294307	Cover Assembly—Crankcase (Used on Model 8B with Mechanical Governor)			
294308	Cover Assembly-Crankcase (Used on Model 8B-R6)	2		
294310	Blade-Governor	4	3	
294311	Carburetor Assembly	1	e	
-,	Note: No. 294313 Carburetor Assembly	1		
	Used on type Nos. 906010, 906011, 906021, 906510, 906511, 906527, 906528, 906529, 906530, 906531, 906810, 906811.	1		
294312	Housing Assembly-Throttle		4	
	Note: No. 89495 Housing Assembly-Throttle		-	
	Used on type Nos. 906010, 906011, 906021, 906510, 906511, 906527, 906528, 906529, 906530, 906531, 906810, 906811.			
294342	Adapter-Shaft			
294343	Sprocket-Electric Starter			
294367	Rod Assembly-Connecting		12	

#### 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 complete 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 Authorized Briggs & Stratton Service Distributor or Engine Service Station. The Service Distributor nearest you (see back 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

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**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 the 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 any factoryapproved service station, in any way which, in our judgment, affects its condition or operation.

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#### 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 purchased from.

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

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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.

Alabama       Birmingham 3       Birmingham Electric Battery Co	STATE	CITY	NAME	LOCATION
Arizona       Phoenix       Motor Supply Co	Alabama	Direction 2	Birmingham Electric Battery Co	Ave. B. at 23rd St.
California Los Angeles 15 Electric Equipment Co. [16] Hope St. Colorado. Denver 1. Spizer Electric Company. 43 W. 9th Ave. Spizer Electric Lac. 40 W. Beaver St. Florida Jacksonville 1. Spencer Electric, Iac. 40 W. Beaver St. Florida Tampa 1. Spencer Electric, Iac. 40 W. Beaver St. Florida Tampa 1. Spencer Electric Co. [16] St. NW. 21st Terrace Florida Tampa 1. Spencer Electric Co. [16] St. NW. 21st Terrace Florida Tampa 1. Spencer Electric Co. [16] St. NW. 21st Terrace Florida Tampa 1. Spencer Auto Electric Co. [16] St. Michigan Ave. Indiana Indianapolis 4. Gulling Auto Electric Co. [16] St. Michigan Ave. Indiana Indianapolis 4. Gulling Auto Electric Co. [16] St. Michigan Ave. Indiana Indianapolis 4. Gulling Auto Electric Co. [16] St. Michigan Ave. Kentucky Iouisville 2. Kentucky Ignition Co., Iac. [17] St. 3d St. Louisiana New Orleans 1. A. C. Suhren Co. [16] St. 3d St. Iouisiana Shreeport. Chain Battery & Automotive Supply, Iac. [16] Wandotte St. Jourdan St. Michigan Detroi 38. Auto Electric Co., Iac. [15] St. Washington Elever Missouri St. Louis 3. Medar Auto Electric Co., Iac. [18] Wandotte St. Missouri St. Louis 3. Medar Auto Electric Co., Iac. [18] Wandotte St. Missouri St. Louis 3. Medar Auto Electric Co., Iac. [18] Wandotte St. Missouri St. Louis 3. Medar Auto Electric Co., Iac. [18] Wandotte St. Missouri St. Louis 3. Medar Auto Electric Co., Iac. [18] Wandotte St. Missouri St. Louis 3. [16] Electric Ico. [16] Mandotte St. [16] St. Gurdaway Carl A. Anderson, Iac. [16] And Jones St. New York. Buffielo 14. The Battery & Sarter Co., Iac. [16] Mandotte St. [16] St.	A	Dhaarin	Moror Supply Co	_402-414 N. Central Ave.
California San Francisco 9. Frank Edwards Co., Automotive Service Div. 3524 A stark Sc. Colorado. Denver 1. Spierer Electric Company. 43 W. 9th Are. Florida. Jacksonville 1. Spencer Electric, Inc. 40 W. Beaver St. Florida. Tampa 1. Spencer Electric, Inc. 607-11 E. Cass St. Georgia. Atlanta 3. Auto Electric Co. 1415 N.W. 21st Terrace Florida. Tampa 1. Spencer Auto Electric Co. 1477 Spring St. N. W. Illinois. Chicago 16. Mid-States Auto Electric Co. 1905 S. Michigan Ave. Illinois. Chicago 16. Mid-States Auto Electric Co. 1905 S. Michigan Ave. Illinois. Chicago 16. Mid-States Auto Electric Co. 1905 S. Michigan Ave. Illinois. Chicago 16. Mid-States Auto Electric Co. 1308 Grand Ave. Kansas. Wichita 2. The E. S. Cowie Electric Co. 1308 Grand Ave. Kansas. Wichita 2. The E. S. Cowie Electric Co. 1737 S. 3rd St. Louisiana. New Orleans 1. A. C. Suhren Co. 160. 406 So. Carrolton Ave. Louisiana Shrewport. Chain Battery & Automotive Supply, Inc. Spring at Fanin St. Michigan. Detroir 38. Auto Electric Corporation 15550 Woodow Wilson Aw. Missouri Kansas City 8. The E. S. Cowie Electric Co. 1813 Wandotte St. Missouri Kansas City 8. The E. S. Cowie Electric Co. 1813 Wandotte St. Missouri St. Louis 3. Medar Auto Electric Co. Inc. 113 K. Nindo X. Missouri St. Louis 3. Medar Auto Electric Co. Inc. 2505 Main St. New York. New York 19. The Battery & Starter Co., Inc. 2505 Main St. New York. New York 19. The Battery & Starter Co., Inc. 2505 Main St. New York. New York 19. The Durham Co., Inc. 2505 Main St. New York. New York 19. The Battery & Maintenance Co. 2630 St. New 384. North Dakota Fargo. Reinhard Brothers Co., Inc. 2505 Main St. New York. New York 19. The Buthard & Starter Co., Inc. 2505 Main St. New York. New York 19. The Buthard & Starter Co., Inc. 2505 Main St. New York. New York 19. The Buthard & Maintenance Co. 27630 Seventees M. North Dakota Fargo. Reinhard Brothers Co., Inc. 2505 Main St. New York. New Start 12. Chieft Admense Maintenance Co. 2630 Seventees Maintenance Co. 2630 Seventees Mai	California		Electric Equipment Co	1611 S. Hope St.
Colorado       Denver 1       Spinzer Electric Company       43 W. 9th Ave.         Florida       Jacksonville 1       Spenzer Electric, Inc.       40 W. Bever St.         Florida       Miami 42.       Electric Equipment Co.       1415 N.W. 21st Terrace         Florida       Tampa 1       Spenzer Atro Electric, Inc.       607:11 E. Cass St.         Illinois       Chicago 16.       Mid-States Atro Electric Co.       1905 S. Michigan Ave.         Ildiana       Indianapolis 4       Guiling Auro Electric Co.       1308 Grand Ave.         Kansas       Wichita 2.       The E. S. Cowie Electric Co.       230 S. Topeka Ave.         Louisiana       Nevelens       Cavie Electric Co.       230 S. Topeka Ave.         Louisiana       Neveport       Chain Battery & Automovive Supply, Inc.       Spring at Fannin St.         Missouri       States Scive Corporation       15550 Woodrow Wilson Awe.         Missouri       States Scive Scive Corporation       15550 Woodrow Wilson Awe.         Missouri       States Scive Scive Corporation       15550 Woodrow Wilson Awe.         Missouri       States Scive Scive Electric Co., Inc.       1819 Wyandotte St.         Missouri       States Scive Scive Electric Co., Inc.       1314 Washington Divd.         Montana       Billings       Origin at Equipment, In	California	Los Angeles 19	Erank Edwards Co. Automotive Service Div.	382-4 Sixth St.
Florida	Catanalia	Desman 1	Spitzer Electric Company	43 W. 9th Ave.
Florida       Tampa 1       Spencer Auro Electric, Inc.       60/11 F. Cass St.         Georgia       Antan 3       Auto Electric & Magneto Co.       477 Spring St. N. W.         Illinois       Chicago 16       Mid-States Auto Electric Co.       1308 Grand Ave.         Ioaa       Des Moines 9.       Magneto Carburetor & Electric Co.       1308 Grand Ave.         Kansas       Wichita 2       The E. S. Covie Electric Co.       230 S. Topeka Ave.         Kentucky       Louisiana       New Orleans 1.       A. C. Suhren Co.       2464 So. Carrollton Ave.         Louisiana       New Orleans 1.       A. C. Suhren Co.       210 Needham St.         Missouri       Kansas       Wichigan       Detroit 38.       Auto Electric & Service Corporation       11550 Woodrow Wilson Aw         Minnesocu       Kansas City 8.       The E. S. Cowie Electric Co.       181 B) Wyandotte St.         Missouri       Kansas City 8.       The E. S. Cowie Electric Co.       118 S. Nimb St.         Missouri       Sansas City 8.       The E. S. Cowie Electric Co.       134 Washington Blvd.         Montana       Billings.       Original Equipment, Inc.       423 N. Broadway         New Kexico       Albuquerque       Spirzer Electrical Co. of New Mexico.       3rd and Mountain Rd.         New York       Buf	Elorida	Locksonville 1	Spencer Electric Inc	_40 W. Beaver St.
Florida       Tampa 1       Spencer Auro Electric, Inc.       60/11 F. Cass St.         Georgia       Antan 3       Auto Electric & Magneto Co.       477 Spring St. N. W.         Illinois       Chicago 16       Mid-States Auto Electric Co.       1308 Grand Ave.         Ioaa       Des Moines 9.       Magneto Carburetor & Electric Co.       1308 Grand Ave.         Kansas       Wichita 2       The E. S. Covie Electric Co.       230 S. Topeka Ave.         Kentucky       Louisiana       New Orleans 1.       A. C. Suhren Co.       2464 So. Carrollton Ave.         Louisiana       New Orleans 1.       A. C. Suhren Co.       210 Needham St.         Missouri       Kansas       Wichigan       Detroit 38.       Auto Electric & Service Corporation       11550 Woodrow Wilson Aw         Minnesocu       Kansas City 8.       The E. S. Cowie Electric Co.       181 B) Wyandotte St.         Missouri       Kansas City 8.       The E. S. Cowie Electric Co.       118 S. Nimb St.         Missouri       Sansas City 8.       The E. S. Cowie Electric Co.       134 Washington Blvd.         Montana       Billings.       Original Equipment, Inc.       423 N. Broadway         New Kexico       Albuquerque       Spirzer Electrical Co. of New Mexico.       3rd and Mountain Rd.         New York       Buf	Florida	Jacksonvine 1	Electric Equipment Co.	_ 1415 N.W. 21st Terrace
Illinois       Chicago 16.       Mid-States Auto Electric Co.       450 N. Capitol Ave.         Iowa       Des Moines 9.       Magneto Carburetor & Electric Co.       450 N. Capitol Ave.         Iowa       Des Moines 9.       Magneto Carburetor & Electric Co.       230 S. Topeka Ave.         Kansas       Wichita 2.       The E. S. Cowie Electric Co.       230 S. Topeka Ave.         Kentucky       Louisiana       New Orleans 1.       A. C. Suhren Co.       4640 So. Carrollton Ave.         Louisiana       Shreveport.       Chain Battery & Automotive Supply, Iac.       Spring at Fannin St.         Missouria       Shreveport.       Chain Battery & Automotive Supply, Iac.       Spring at Fannin St.         Missouri       Kansas City 8.       The E. S. Cowie Electric Co.       11 S. Ninth St.         Missouri       St. Iouis 3       Medart Auro Electric Co., Inc.       1319 Wyandotte St.         Missouri       St. Iouis 3       Medart Auro Electric Co., Inc.       210 Needmary         New Mexico       Albuquerque.       Sprizer Electrical Co. of New Mexico.       3rd and Mountain Rd.         New York       Buffalo 14.       The Battery & Starter Co., Inc.       2505 Main St.         New York       Buffalo 14.       The Durham Co., Inc.       306 14 N. Graham St.         New York       Buffalo	Florida	Tampa 1	Spencer Auto Electric, Inc.	607-11 E. Cass St.
Illinois       Chicago 16.       Mid-States Auto Electric Co.       450 N. Capitol Ave.         Iowa       Des Moines 9.       Magneto Carburetor & Electric Co.       450 N. Capitol Ave.         Iowa       Des Moines 9.       Magneto Carburetor & Electric Co.       230 S. Topeka Ave.         Kansas       Wichita 2.       The E. S. Cowie Electric Co.       230 S. Topeka Ave.         Kentucky       Louisiana       New Orleans 1.       A. C. Suhren Co.       4640 So. Carrollton Ave.         Louisiana       Shreveport.       Chain Battery & Automotive Supply, Iac.       Spring at Fannin St.         Missouria       Shreveport.       Chain Battery & Automotive Supply, Iac.       Spring at Fannin St.         Missouri       Kansas City 8.       The E. S. Cowie Electric Co.       11 S. Ninth St.         Missouri       St. Iouis 3       Medart Auro Electric Co., Inc.       1319 Wyandotte St.         Missouri       St. Iouis 3       Medart Auro Electric Co., Inc.       210 Needmary         New Mexico       Albuquerque.       Sprizer Electrical Co. of New Mexico.       3rd and Mountain Rd.         New York       Buffalo 14.       The Battery & Starter Co., Inc.       2505 Main St.         New York       Buffalo 14.       The Durham Co., Inc.       306 14 N. Graham St.         New York       Buffalo	Georgia -	Atlanta 3	Auto Electric & Magneto Co	
IndianaIndianapolis 4Gulling Auto Electric Co108 Grand Ave.         IowaDes Moines 9Tarte E. S. Cowie Electric Co108 Grand Ave.         KansasWichita 2The E. S. Cowie Electric Co73 S. 3rd St.         LouisianaNordenas 1.a. C. Suhren Co4400 So. Carrollton Ave.         LouisianaShreeportChain Battery & Automotive Supply, IncSpring at Pannin St.         MichiganDetroit 38Auto Electric Co115.         Missouri       St. Auto Electric & Service Corporation15550 Woodrow Wilson Ave.         Missouri       Kasaschusers Cost, Inc118.         Missouri       Kasaschuser, Inc128.         Montana BillingsOriginal Equipment, Inc428.       N. Broadway         NebraskaOriginal Equipment, Inc428.       N. Broadway         New YorkNew York 10The Durham Co., Inc3064.       N. Garhan St.         New YorkNew York 10The Durham Co., Inc3064.       N. Pacifa Ave.         North Dakota	Thingin	Chinese 16	Mid-States Auto Electric Co	1905 S. Michigan Ave.
Kansas       Wichita 2       The E. S. Cowie Electric Co	Indiana	Indianapolis 4	Gulling Auto Electric Co	450 N. Capitol Ave.
Kansas       Wichita 2       The E. S. Cowie Electric Co	Towa	Des Moines 9	Magneto Carburetor & Electric Co., Inc.	1308 Grand Ave.
Louisiana       New Orleans 1:       A. C. Suhren Co.       4640 So. Catroliton Ave.         Louisiana       Shreveport       Chain Battery & Automotive Supply, Inc.       Spring at Fanain St.         Missachusetts       Boston 64       W. J. Connell Co.       210 Nicedham St.         Minchora       Minnesona       The E. S. Covie Electric Co.       115 Ninth St.         Missouri       Kansas City 8       The E. S. Covie Electric Co.       1819 Wyandotte St.         Montana       Billings       Original Equipment, Inc.       423 N. Broadway         Nebraska       Omahá 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       Buffalo 14       The Durham Co., Inc.       2604 W. 49th St.         New York       New York 19       The Durham Co., Inc.       30614 N. Graham St.         North Dakota       Fargo       Reinhard Brothers Co., Inc.       301 N. Pacific Ave.         Ohio       Cicninati 2       Gardnet, Inc.       1847 Reading Rd.         Ohio       Cicninati 2       American Electric Power & Maintenance Co.       26-30 Seventeenh St. <tr< td=""><td>Kansas</td><td>Wichita 2</td><td>The E. S. Cowie Electric Co.</td><td>230 S. Topeka Ave.</td></tr<>	Kansas	Wichita 2	The E. S. Cowie Electric Co.	230 S. Topeka Ave.
Louisiana       New Orleans 1:       A. C. Suhren Co.       4640 So. Catroliton Ave.         Louisiana       Shreveport       Chain Battery & Automotive Supply, Inc.       Spring at Fanain St.         Missachusetts       Boston 64       W. J. Connell Co.       210 Nicedham St.         Minchora       Minnesona       The E. S. Covie Electric Co.       115 Ninth St.         Missouri       Kansas City 8       The E. S. Covie Electric Co.       1819 Wyandotte St.         Montana       Billings       Original Equipment, Inc.       423 N. Broadway         Nebraska       Omahá 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       Buffalo 14       The Durham Co., Inc.       2604 W. 49th St.         New York       New York 19       The Durham Co., Inc.       30614 N. Graham St.         North Dakota       Fargo       Reinhard Brothers Co., Inc.       301 N. Pacific Ave.         Ohio       Cicninati 2       Gardnet, Inc.       1847 Reading Rd.         Ohio       Cicninati 2       American Electric Power & Maintenance Co.       26-30 Seventeenh St. <tr< td=""><td>Kennicky</td><td>Louisville 2</td><td>Kentucky Ignition Co., Inc.</td><td>737 S. 3rd St.</td></tr<>	Kennicky	Louisville 2	Kentucky Ignition Co., Inc.	737 S. 3rd St.
Louisiana       Shring at Fannin St.         Massachusetts       Boston 64       W. J. Connell Co.       210 Needham St.         Michigan       Detroit 38       Auto Electric & Service Corporation       15550 Woodrow Wilson Aw         Minneapolis       Reinhard Brothers Co., Inc.       11 S. Ninth St.         Missouri       Kansas City 8       The E. S. Covie Electric Co.       1819 Wyandotte St.         Missouri       St. Louis 3       Medart Auto Electric Co., Inc.       3134 Washington Blvd.         Morana       Billings       Original Equipment, Inc.       423 N. Broadway         Nebraska       Ormaha 2       Carl A. Anderson, Inc.       16th and Jones St.         New York       Buffalo 14       The Battery & Starter Co., Inc.       2505 Main St.         New York       New York       Pet W York       F. A. Crossman, Inc.       943 W. Genesee St.         North Carolina       Charlotte 1       Automotive Electric Associates, Inc.       301 N. Pacific Ave.         Ohio       Clincinnati 2       Gardner, Inc.       1847 Reading Rd.         Ohio       Cleveland 15       The Electric Power & Maintenance Co.       26-30 Seventeenth St.         Oklahoma       Oklahoma Giya       Auto Electric Company       5135 Baum Blvd.         Ohio       Cleledo 2	Louisiana	New Orleans 1	A. C. Subren Co.	4640 So. Carrollton Ave.
Massachusetts       Boston 64       W. J. Connell Co.       210 Needham St.         Michigan       Detroit 38       Auto Electric & Service Corporation       15550 Woodrow Wilson Aw         Minnesota       Minnesota       Service Corporation       15550 Woodrow Wilson Aw         Missouri       Kansas City 8       The E. S. Cowie Electric Co.       1819 Wyandotte St.         Missouri       St. Louis 3       Medart Auto Electric Co.       1819 Wyandotte St.         Montana       Billings       Original Equipment, Inc.       423 N. Broadway         New Mexico       Albuquerque       Spizzer Electrical Co. of New Mexico       5rd and Mountain Rd.         New York       Buffalo 14       The Battery & Statter Co., Inc.       2505 Main St.         New York       Buffalo 14       The Battery & Statter Co., Inc.       301 N. Pacifa Ave.         North Carolina       Charlotte 1       Automotive Electric Associates, Inc.       306 H. N. Graham St.         North Dakota       Fargo       Reinhard Brothers Co., Inc.       1847 Reading Rd.         Ohio       Cleveland 15       The Electric Power & Maintenance Co.       26-30 Seventeenth St.         Ohio       Cleveland 15       American Electric Company       5132 Seumenth St.         Ohio       Cleveland 15       Auto Electric Company       5	Louisiana	Sheevenort	Chain Battery & Automotive Supply, Inc.	Spring at Fannin St.
Minnesora       Minnesora       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       Omahá 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.       2050 Main St.         New York       New York       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.       1847 Reading Rd.         Ohio       Clictioniat 2       Gardner, Inc.       1847 Reading Rd.         Ohio       Cleveland 15       The Electric Power & Maintenance Co.       2630 Seventeenth St.         Oregon       Portland 9       Tracey & Co., Inc.       132 A faimount Ave.         Pennsylvania       Phitadelphia 30       Auto Electric Company       2016 Magnolia Ave., N.E.         Tennessee <td>Massachusetts</td> <td>Boston 64</td> <td>W. J. Connell Co</td> <td>210 Needham St.</td>	Massachusetts	Boston 64	W. J. Connell Co	210 Needham St.
Minnesora       Minnesora       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       Omahá 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.       2050 Main St.         New York       New York       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.       1847 Reading Rd.         Ohio       Clictioniat 2       Gardner, Inc.       1847 Reading Rd.         Ohio       Cleveland 15       The Electric Power & Maintenance Co.       2630 Seventeenth St.         Oregon       Portland 9       Tracey & Co., Inc.       132 A faimount Ave.         Pennsylvania       Phitadelphia 30       Auto Electric Company       2016 Magnolia Ave., N.E.         Tennessee <td>Michigan</td> <td>Detroit 38</td> <td>Auto Electric &amp; Service Corporation</td> <td>15550 Woodrow Wilson Ave.</td>	Michigan	Detroit 38	Auto Electric & Service Corporation	15550 Woodrow Wilson Ave.
Missouri       Kansas Ciry 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       Omahá 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 & Statter Co., Inc.       2105 Main St.         New York       New York       New York       New York       943 W. Genesce St.         North Carolina       Charlotte 1       Automotive Electric Associates, Inc.       301 N. Pacific Ave.         Ohio       Cincinnati 2.       Gardner, Inc.       1847 Reading Rd.         Ohio       Cincinnati 2.       Gardner, Inc.       1847 Reading Rd.         Ohio       Cieveland 15       The 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.       1522-24 Fairmount Ave.         Pennsylvania       Pittsburgh 24.       Pitt Auto Electric Company       5135 Baum B	Minnecora	Minneapolie 2	Reinhard Brothers Co., Inc.	
Missouri       St. Louis 3       Medart Auto Electric Co., Inc.       3134 Washington Bivd.         Montana       Billings       Original Equipment, Inc.       423 N. Broadway         Nebraska       Omahá 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 & Statter Co., Inc.       2505 Main St.         New York       Buffalo 14       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       Gardnet, Inc.       1847 Reading Rd.         Ohio       Cincinnati 2       Gardnet, Inc.       1847 Reading Rd.         Ohio       Cincinnati 2       Gardnet, Inc.       1847 Reading Rd.         Ohio       Cileveland 15       The Electric Power & Maintenance Co.       26-30 Seventeenth St.         Oklahoma       Oyklahoma City 2       American Electric Ignition Co.       124 N. W. 8th St.         Or	Missouri	Kansas City 8	The E. S. Cowie Electric Co	1819 Wyandotte St.
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.       306-14 N. Graham St.         North Carolina       Charlotte 1.       Automotive Electric Associates, Inc.       306-14 N. Graham St.         North Dakota       Fargo.       Reinhard Brothers Co., Inc.       1847 Reading Rd.         Ohio       Cincinnati 2.       Gardner, Inc.       1847 Reading Rd.         Ohio       Cicleveland 15.       The Electric Power & Maintenance Co.       Prospect at East 30th         Ohio       Toledo 2.       Electric Power & Service Co., Inc.       1522-24 Fairmount Ave.         Pennsylvania       Philadelphia 30       Auto Electric Company       5135 Baum Blvd.         South Dakota       Sioux Falls       Reinhard Brothers Co.       225 E. 11th St.         Tennessee       Knoxville 7       R. Clapp Company       2016 Magnolia Ave., N.E.	Missouri	· St. Louis 3	Medarr Auto Electric Co., Inc.	3134 Washington Blvd.
New Mexico.       Albuquerque       Spitzer Electical Co. of New Mexico.       3rd and Mountain Rd.         New York.       Buffalo 14.       The Battery & Statter 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.       Auromotive 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       Cieveland 15.       The Electric Power & Maintenance Co.       26-30 Seventeenth St.         Oklahoma       Optiand 9.       Tracey & Co., Inc.       124 N. W. 8th St.         Oregon       Portiand 9.       Tracey & Co., Inc.       1522-24 Fairmount Ave.         Pennsylvania       Phitadelphia 30.       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 Company, Inc.       3090 Live Oak St	Montana	Billings	Original Equipment, Inc.	423 N. Broadway
New Mexico.       Albuquerque       Spitzer Electical Co. of New Mexico.       3rd and Mountain Rd.         New York.       Buffalo 14.       The Battery & Statter 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.       Auromotive 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       Cieveland 15.       The Electric Power & Maintenance Co.       26-30 Seventeenth St.         Oklahoma       Optiand 9.       Tracey & Co., Inc.       124 N. W. 8th St.         Oregon       Portiand 9.       Tracey & Co., Inc.       1522-24 Fairmount Ave.         Pennsylvania       Phitadelphia 30.       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 Company, Inc.       3090 Live Oak St	Nebraska	Omaha 2	Carl A. Anderson, Inc.	16th and Jones St.
New York       New York       New York       Stracuse 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       Gardnet, Inc.       1847 Reading Rd.         Ohio       Cieveland 15       The 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       Auto Equipment & Service Co., Inc.       1522-24 Fairmount Ave.         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 Company, Inc.       3909 Live Oak St.         Texas       Dallas 1       Beard & Stone Electric Company, Inc.       3909 Live Oak St.         Texas       Dallas 1       Beard & Stone Electric Company, Inc.       Milam at Polk Ave.         Texas       Dallas 1	New Mexico	Albuquerque	Spitzer Electical Co. of New Mexico	3rd and Mountain Rd.
New York       New York       New York       Stracuse 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       Gardnet, Inc.       1847 Reading Rd.         Ohio       Cieveland 15       The 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       Auto Equipment & Service Co., Inc.       1522-24 Fairmount Ave.         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 Company, Inc.       3909 Live Oak St.         Texas       Dallas 1       Beard & Stone Electric Company, Inc.       3909 Live Oak St.         Texas       Dallas 1       Beard & Stone Electric Company, Inc.       Milam at Polk Ave.         Texas       Dallas 1	New York	_Buffalo 14	The Battery & Starter Co., Inc	2505 Main 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       Cincinnati 2.       Gardner, Inc.       1847 Reading Rd.         Ohio       Cicveland 15.       The Electric Power & Maintenance Co.       26-30 Seventeenth St.         Oklahoma       Oklahoma City 2.       American Electric Ignition Co.       124 N. W. 8th St.         Oregon       Portfand 9.       Tracey & Co., Inc.       1522-24 Fairmount Ave.         Pennsylvania       Phitadelphia 30.       Auto Electric Company.       5135 Baum Blvd.         South Dakora       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 Company, Inc.       3909 Live Oak St.         Texas       Dallas 1.       Beard & Stone Electric Company, Inc.       3908 Chihuahua St.         Texas       El Paso       Motor Supply Co.       308 Chihuahua St.      <	New York	New York 19	The Durham Co., Inc	-606 W. 49th 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       Cieveland 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       Portfand 9       Tracey & Co., Inc.       N. W. 10th and Glisan         Pennsylvania       Philadelphia 30       Auto 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 Company, Inc.       3909 Live Oak St.         Texas       Dallas 1       Beard & Stone Electric Company, Inc.       3909 Live Oak St.         Texas       San Antonio 6       S. X. Callahan <t< td=""><td>New Vork</td><td>Surgeone A</td><td>E A Crossman Inc</td><td>943 W. Genesee St.</td></t<>	New Vork	Surgeone A	E A Crossman Inc	943 W. Genesee St.
North Dakota       Fargo       Gardner, Inc.       1847 Reading Rd.         Ohio       Cincinnati 2.       Gardner, Inc.       1847 Reading Rd.         Ohio       Cieveland 15.       The Electric Power & Maintenance Co.       26-30 Seventeenth St.         Oklahoma       Oklahoma City 2.       American Electric Ignition Co.       124 N. W. 8th St.         Oregon       Portfand 9.       Tracey & Co., Inc.       N. W. 10th and Glisan         Pennsylvania       Philadelphia 30.       Auto Equipment & Service Co., Inc.       1522-24 Fairmount Ave.         Pennsylvania       Phitsburgh 24.       Pitt Auro 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 Co.       982 Linden Ave.         Texas       Dallas 1.       Beard & Stone Electric Company, Inc.       3909 Live Oak St.         Texas       Dallas 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., Motor Equipment Div.       551 So. State St	North Carolina	Charlotte 1	Automotive Electric Associates, Inc.	<u>306-14 N. Graham St.</u>
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Texas       El Paso       Motor Supply Co	Texas	Dallas 1	Beard & Stone Electric Company, Inc.	3909 Live Oak St.
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