

Operating Instructions

Adjustment and Repair Information • Parts List

MODELS

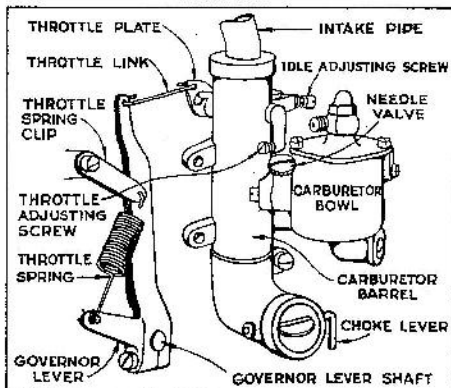
"M"—"MB"—"MC"—"MF"—"MH"—"MJ"

1. **BEFORE STARTING THE MOTOR.** Fill the crankcase with MOBIL OIL ARCTIC S. A. E. No. 20, or any other high grade oil having the same characteristics as S. A. E. No. 20. **A HEAVIER OIL MUST NOT BE USED.** Remove oil filler cap, pointed blue, pour oil in the opening until it rises to the level of the filler opening. Crankcase holds 2¾ pints. Fill the gasoline tank with a good grade of clean, fresh, regular gasoline. Tank holds one gallon.

2. **AIR CLEANER.** Every day motor is used, air cleaner should be removed and the felt brushed free of dirt and washed in gasoline. Be sure felt is dry before replacing.

3. **CHANGE OIL FREQUENTLY.** After every twenty-five hours of motor operation, the oil should be completely drained from the crankcase. Always check your oil level after each five hours of motor operation.

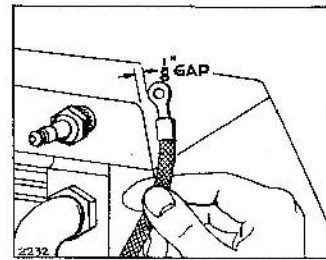
Carburetor and Governor
Plate No. 1



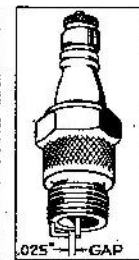
4. **RESETTING GOVERNOR LEVER.** With carburetor attached to motor and throttle link hooked in governor lever and throttle plate, loosen set screw holding governor lever to governor shaft. Push the upper end of governor lever toward carburetor as far as it will go. Hold in this position and turn governor shaft to right or down, with pliers, until it strikes a stop in crankcase. Release governor shaft but hold governor lever until you tighten the set screw. Be sure that neither governor lever nor shaft move while you tighten the screw. See plate No. 1.

5. **TO CHECK FOR SPARK.** Remove the spark plug. Open the spark gap to about 1/8" and, with cable attached, place spark plug on the cylinder head. Turn motor with starter and, if spark jumps this gap, the ignition system is O.K. See plate No. 2. If there is no spark, try a new plug in the same way and if still no spark, check ignition cable and magneto adjustments. Be sure to close point gap to .025" before replacing spark plug.

Checking Spark
Plate No. 2



Spark Plug
Plate No. 3



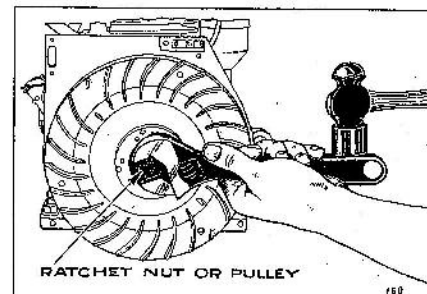
6. **SPARK PLUG ADJUSTMENT.** The points must be clean and set at .025". Be sure the porcelain is not cracked or broken. Keep a new plug on hand. We recommend the use of a Champion No. 6M or its exact equivalent. See plate No. 3.

7. **IGNITION CABLE.** Insulation must not be broken, or soaked with oil or water, or grounded in any way where it touches the motor. Ignition cable should be soldered to the secondary terminal (small brass plate coming out of coil). Avoid touching coil with hot soldering iron. See plate No. 7.

8. TO REMOVE AND REPLACE FLYWHEEL.

A. **HAND CRANK AND FOOT STARTER MOTORS.** Remove starter and blower housing. Place a small wood block under flywheel fin on left side. Use a 1" open end wrench on nut. Tap end of wrench handle lightly with hammer to loosen nut. Tap carefully to prevent breaking flywheel fin. Remove ratchet, pawl and washer. Loosen flywheel by placing a wood block against end of crankshaft and striking with hammer. Pull off flywheel.

Removing Flywheel — Plate No. 4

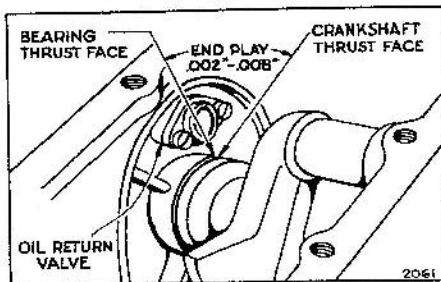


B. **ROPE STARTER MOTORS.** Remove blower housing and place wood block under flywheel fin on left side. Place a rod or bar through the holes in the starter pulley. Tap on end lightly to remove it. Loosen and remove flywheel, as explained in the previous paragraph.

9. **TO REMOVE AND REPLACE MAGNETO ASSEMBLY.** Remove flywheel as explained in previous paragraphs. Detach ignition cable from spark plug and remove three magneto plate mounting screws. To replace, use the same gasket between the plate and crankcase or, if damaged, a new gasket. See part numbers 13A10, 66037, 66047 of proper thickness to get correct end play of .002" to .008" between magneto bearing and crankshaft thrust faces, as shown in plate No. 5.

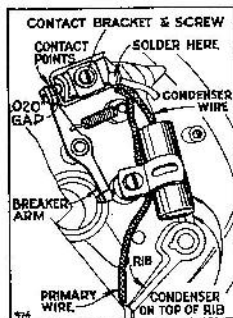
10. Magneto is always correctly timed with the motor when the flywheel is assembled to the tapered crankshaft with a key and securely held in place with right hand threaded pulley or ratchet nut. Do not attempt to change the timing by relocating any parts or filing crankshaft timing flat. Always use soft key, part No. 66403—if steel key is used and flywheel becomes loose, it will damage the keyway in the crankshaft.

Correct End Play — Plate No. 5



11. **TO ADJUST AND CLEAN CONTACT POINTS.** Remove blower housing and flywheel. Turn crankshaft by hand to see contact points open and close properly. Points must be clean and line up squarely to make good electrical contact. Do not file the points—use a fine sandpaper or grit hone to clean points. Adjust gap to .020" by loosening the contact bracket and moving it toward or from breaker arm point. When proper gap is obtained, tighten lock screw securely. If either or both points become badly pitted or burned, they should be replaced, order part Nos. 13ME and 65489.

Contact Points Plate No. 6

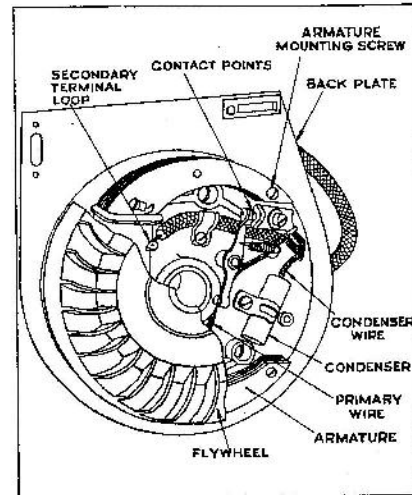


12. **TO REPLACE CONDENSER.** A leaky or weak condenser causes motor to start hard, sputter or misfire under load. If motor misfires after checking gasoline line, carburetor, spark plug, cable, and contact points, install a new condenser.

13. **TO REPLACE AND ADJUST ARMATURE.** Remove primary armature and condenser lead wires from contact point bracket. Remove ignition cable from secondary terminal in coil. Remove four armature mounting screws. Save as much hydrolene as possible, to use for insulating the terminal on the new coil. To install armature, locate on mounting studs. Place loops under the armature mounting screws nearest the coil. Solder ignition cable to terminal. Fill pocket, formed with flap, with melted hydrolene. Slip insulators over armature and condenser lead wires to contact bracket. Tighten armature screws. See plate No. 7.

14. An air gap of .002" to .010" must be maintained between armature shoes and flywheel poles. Gap must be sufficient to prevent rubbing but not over .010" or poor ignition will result. To check armature for rub, chalk edges and mount flywheel in place. Remove spark plug to release compression. Turn flywheel several revolutions. Remove flywheel and examine edges of armature shoe. High spots will have chalk rubbed off. File high spots carefully with fine file until flywheel does not rub. Do not remove too much metal.

Magneto Assembly — Plate No. 7

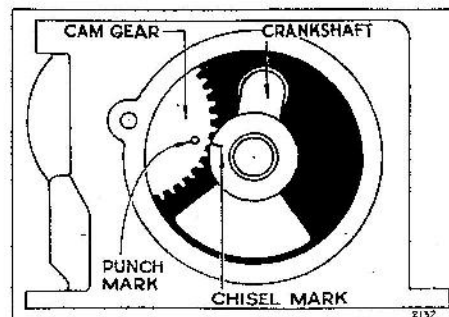


15. **VALVE ADJUSTMENT.** To check valve clearance, remove valve cover plate. The correct clearance on the exhaust valve is .008", and on intake is .006", when motor is cold. Tappet clearance is adjusted by grinding required amount from end of valve stem. End of stem must be square with stem proper.

16. To remove valves, remove cylinder head, and if not dismantled, drain oil from crankcase. Invert cylinder. Compress the spring with spring compressor No. 69189-T3 and with end of screw driver pry out split collars. Release spring compressor. Tilt cylinder back far enough to allow valve to drop, permitting stem to clear spring. Pry spring out with end of screw driver.

17. To replace valves and valve springs, compress spring in spring compressor tool. Turn tool to inverted position with retainer washer on top. Drop the split collar in place one at a time. When first collar is placed in valve, push it around to the back of the valve stem to allow easy placing of second half. Special spring compressor tool, part No. 69189-T3, is available at the factory at \$1.25 net.

Valve Timing — Plate No. 8



18. **TIMING.** The timing is taken care of by meshing of the cam shaft gear with the gear on the crankshaft. The gears are properly meshed when the mark on the cam shaft gear is in line with the mark on the crankshaft collar. See plate No. 8.

TO FIND THE CORRECT NUMBER OF THE PART YOU NEED

1. Make a note of your motor TYPE NUMBER (Not the Serial Number) that appears on the metal nameplate attached to motor blower housing.
2. Refer to pages illustrating parts and locate the Master Part Number by comparing your old part with the illustrations.
3. 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 motors except those types listed under "Note."
4. If a "Note" appears below the Master Part Number this means that this part is made different from the Master Part for certain types and if your model is listed under "Note," order the part referred to.
5. If your Motor Type Number does not appear after any part number listed under "Note," order the Master Part Number.
6. When ordering parts — or writing for service information — always specify the MODEL LETTER — TYPE NUMBER — and SERIAL NUMBER of your motor.

Parts List

MODELS "M"—"MB"—"MC"—"MF"—"MH"—"MJ"

MASTER PART NUMBER	NAME	SELLING PRICE EACH	MASTER PART NUMBER	NAME	SELLING PRICE EACH
EAO	Muffler	\$ 2.00	29713	Piston Assembly—.030" Oversize.....	3.80
7A61	Lockwasher— $\frac{1}{8}$ x $\frac{1}{8}$ x $\frac{3}{16}$" .....	.05	37346	Rivet— $\frac{1}{8}$ x $\frac{1}{4}$ " Tubular .....	.05
7BC	Spark Plug with Gasket.....	.65	46133	Spark Plug Shield Spring.....	.10
7B24	Spark Plug Gasket.....	.05	61010	Compression Ring—.010" Oversize .....	.25
7B36	Screw— $\frac{1}{4}$ x20x $\frac{1}{2}$ " Fill. Hd.....	.05	61012	Compression Ring—.020" Oversize .....	.25
7F12	Nut— $\frac{1}{4}$ x20 Hex. ....	.05	61013	Compression Ring—.030" Oversize .....	.25
7J87	Screw—10—24x $\frac{1}{2}$ " Rd. Hd.....	.05	61055	Blower Flywheel	6.00
7K23	Cotter Pin—No. 18x $\frac{1}{4}$.....	.05		Note: No. 61028 Blower Flywheel (Aluminum).....	7.00
7K33	Screw—10—32x $\frac{1}{4}$ " Rd. Hd. ....	.05	61095	Base	6.00
7K41	Swivel .....	.20		Note: No. 61407 Base (Aluminum).....	9.00
7K47	Cotter Pin— $\frac{1}{8}$ x $\frac{1}{2}$" .....	.05	61136	Oil Filler Cap.....	.25
7K68	Spring Washer .....	.10		Note: No. 69345 used on earlier models with screw type elbow.	
7K78	Clamp Screw—10—24x $\frac{7}{8}$ " Rd. Hd.....	.05	61137	Foot Starter Pedal—Straight.....	1.50
7T17	Lockwasher— $\frac{1}{8}$ x $\frac{1}{8}$ x $\frac{1}{16}$" .....	.05		Note: No. 61142 Hand Starter Lever.....	1.50
7W8	Screw—10—32x $\frac{3}{8}$ " Fill. Hd.....	.05	61145	Flat Belt Pulley—2 $\frac{1}{2}$ " dia.....	3.25
13AJ	Oil Pump Plunger.....	.20		Note: No. 64949 3 "V" Pulley, 3" dia.....	2.85
13A2	Lockwasher— $\frac{1}{8}$ x $\frac{3}{8}$ x $\frac{1}{16}$" .....	.05		Includes: No. 91363 Set Screw— $\frac{3}{8}$ —16x $\frac{5}{8}$ " Sq. Hd. ....	.05
13A10	Magneto Plate Gasket—.015" thick.....	.05		No. 91479 Key— $\frac{3}{16}$ x $\frac{3}{16}$ x $\frac{1}{8}$ ".....	.10
13A11	Nut— $\frac{1}{8}$ —18 Hex. ....	.05	61157	Air Cleaner Elbow.....	1.25
13A27	Connecting Rod Screw.....	.05		Note: No. 61158 Air Cleaner Elbow.....	1.50
13A34	Connecting Rod Shim.....	.05		Used on No. 69424 Air Cleaner— $\frac{3}{16}$ " dia.	
13A40	Oil Pump Spring.....	.10	61186	Carburetor Cover .....	.25
13B30	Lockwasher— $\frac{1}{8}$ x $\frac{1}{8}$ x $\frac{1}{16}$" .....	.05	61274	Oil Ring—Standard .....	.35
13KE	Control Lever Assembly.....	4.30		Note: No. 68161 Oil Ring.....	.50
13K3	Washer— $\frac{1}{8}$ x $\frac{1}{8}$ x $\frac{1}{16}$" .....	.05		Used on motors before Serial No. 8150.	
13K4	Control Lever Bushing.....	.10	61505	Oil Ring—Standard .....	.35
13K5	Control Lever .....	.50	61747	Oil Ring—.010" Oversize.....	.35
13K6	Control Lever Base.....	1.00	61748	Oil Ring—.020" Oversize.....	.35
13K9	Casing Clamp .....	.05	61749	Oil Ring—.030" Oversize.....	.35
13K10	Cap Screw— $\frac{1}{4}$ —28x $\frac{3}{8}$ " Hex. Hd.....	.05	62000	Starter Lever Washer.....	.05
13ME	Contact Bracket .....	.50	62003	Gas Tank Bracket.....	.50
13M13	Breaker Arm Spring.....	.05	62015	Starter Ratchet Guard.....	.25
13M21	Contact Bracket Shim.....	.05	62039	Air Cleaner Shell.....	.75
13M22	Ignition Cable Clamp.....	.05		Note: No. 62041 Air Cleaner Shell.....	1.00
13M38	Screw—10—32x $\frac{3}{8}$ " Fill. Hd.....	.05		Used on No. 69424 Air Cleaner— $\frac{3}{16}$ " dia.	
13M47	Screw—10—32x $\frac{1}{4}$ " Fill. Hd.....	.05	62104	Choke Casing Clip.....	.15
59DE	Valve Cover Plate Washer.....	.05	62154	Valve Cover Plate.....	.20
796E	Contact Bracket Washer.....	.05	62199	Bell Crank Washer.....	.05
23164	Idle Adjusting Screw.....	.30	62233	Valve Spring Cup .....	.05
26185	Idle Adjusting Screw Spring.....	.05		.....2 for	
29027	Governor Lever .....	.55	62319	Control Casing Clip.....	.30
29131	Spark Plug Shield	1.25	63033	Floater Lever Pin.....	.05
29208	Carburetor Bell Crank.....	.25	63067	Bell Crank Bushing.....	.05
29386	Piston Assembly—Standard	2.85	63074	Carburetor Intake Pipe.....	.50
29632	Condenser .....	.50		Note: No. 68413 Intake Pipe ($\frac{1}{8}$ " dia.).....	.75
29657	Armature	5.00		Used on Model "MJ" and "MH" Motors.	
29711	Piston Assembly—.010" Oversize.....	3.60			
29712	Piston Assembly—.020" Oversize.....	3.60			

U. S. A. Prices. Prices outside of U. S. A. subject to local import duties, taxes, etc.

MASTER PART NUMBER	NAME	SELLING PRICE EACH	MASTER PART NUMBER	NAME	SELLING PRICE EACH
63157	Air Bleed Screw	.10	66733	Starter Ratchet	.80
63159	Pulley Key	.10	66743	Starter Ratchet Nut	.30
63165	Carburetor Drain Plug	.05		Note: No. 67653 Ratchet Nut	.50
63182	Carburetor Nozzle	.25		Hole for drive stud has 1/2" — 20 left hand thread.	
63186	Throttle Adjusting Screw	.10	66773	Stuffing Box Nut	.15
63189	Idling Adjusting Screw	.25	66783	Stuffing Box Gland	.25
63426	Control Casing Locknut	.05	66798	Carburetor Spring	.05
63436	Piston Pin—.005" Oversize	.30	66813	Cover Vent Screw	.20
64139	Chain Connector Pin Assembly	.10	66979	Starter Rope	.50
65014	Breaker Arm Tip	.05	67072	Contact Bracket Washer	.05
65124	Inlet Connection Gasket	.05	67429	Starter Pawl Assembly	.70
65126	Throttle Spring	.15	67549	Gas Shut-off Valve	.90
65134	Carburetor Gasket	.05		Note: No. 69836 Shut-off Valve	1.00
65244	Inlet Connection Gasket	.05		Used on motors with 1/4" dia. gasoline line.	
65264	Nozzle Gasket	.05	67569	Chain Link	.10
65314	Contact Bracket Insulator	.05	67633	Pulley Drive Stud	.35
65367	Ratchet Nut Felt	.05		2 7/8" overall length—1/2" dia. shank with flat for pulley set screw—1/2" — 20 left hand thread.	
65387	Stuffing Box Packing	.05	67722	Blower Housing Bracket	.10
65431	Control Lever Base	.45	67753	Flywheel Washer	.05
65451	Compression Ring—Standard	.25	67831	Cylinder Head	4.25
65469	Control Lever Assembly	1.35	67902	Thrust Washer	.10
	Note: No. 69986 Control Lever Assembly	1.50	67992	Throttle Spring Clip	.05
	Similar to No. 65469 except with 3/4" dia. mounting holes in base.		68022	Blower Housing Bracket	.10
65489	Contact Breaker Arm	.75	68122	Cam Shaft Plug	.05
65496	Control Wire—4 1/8" long	.25	68152	Gas Inlet Screen	.10
	Note: If longer wire is needed, specify length in inches; if shorter wire is needed order No. 66836 and cut to required length.		68273	Exhaust Valve	1.50
65506	Control Casing—35 1/4" long	.35	68283	Valve Spring Collar	.10
	Note: If longer casing is needed, specify length in inches; if shorter casing is needed order No. 67096 and cut to required length.		68293	Valve Spring Retainer	.10
65516	Ratchet Spring	.10	68303	Valve Tappet	1.00
65522	Blower Housing Bracket	.10		Note: No. 63277 Valve Tappet	.35
65534	Oil Filler Cap Gasket	.05		Used on motors equipped with Helical Cam Gear.	
65589	Control Lever Assembly	1.50	68333	Cam Shaft	.40
	Note: No. 29035 Control Lever Assembly	1.50	68432	Cylinder Shield	.35
	Similar to No. 65589 except that lever mounting screw is 1 1/4" long instead of 1 1/2" long.			Note: No. 62237 Cylinder Shield	.50
65607	Oil Valve Gasket	.05		Similar to No. 68432 except with notch in lower end.	
65617	Valve Cover Plate Gasket	.10	68452	Air Guide	.40
65631	Control Lever Base	.45	68643	Governor Crank	.80
65667	Carburetor Gasket	.05	68652	Spark Plug Wrench	.20
65725	Armature Lead Insulator	.05	68653	Governor Crank Bushing	.20
65735	Condenser Lead Insulator	.05	68791	Cam Gear	6.00
65737	Carburetor Cover Gasket	.10		Note: No. 61167 Cam Gear (Helical Teeth)	3.00
65863	Piston Pin—Standard	.25		Used on Model "MC," "MF," "MJ," and "MH" Motors.	
65906	Valve Spring	.15	68803	Starter Shaft Collar	.30
65986	Throttle Link	.10	68821	Chain Sprocket	.25
66037	Magneto Plate Gasket—.005" thick	.05	68863	Cylinder Head Spacer	.10
66047	Magneto Plate Gasket—.009" thick	.05	68873	Cylinder Head Spacer	.05
66056	Lever Return Spring	.50	68881	Return Spring Bushing	.05
66057	Base Gasket	.25	68883	Inlet Elbow Screw	.10
66066	Crankshaft Spur Gear	8.50	68891	Inlet Connector Elbow	.25
	Note: No. 66626 Crankshaft (Helical Gear)	8.50		Note: No. 63486 Inlet Connector Elbow	.25
	Used on "MC" Motors.			Used on some Model "MC" Motors equipped with 1/4" dia. gasoline lines.	
	No. 66806 Crankshaft	9.00		No. 61356 Inlet Connector Elbow	.75
	Similar to No. 66066 except that take off end is 1 3/8" long.			Used on motors equipped with Vacuum Tank.	
	No. 67146 Crankshaft	9.50	68923	Intake Valve	.50
	Used on some Model "MC" Motors equipped with drive clutch pulley assembly.		69004	Cylinder Head Gasket	.20
	No. 67566 Crankshaft (Helical Gear)	9.00	69054	Magneto Plate	3.50
	Similar to No. 66626 except that take off end is 1 3/8" long.		69105	Governor Gear Shaft	.40
66086	Screen Housing Spring	.10	69120	Oil Screen	.50
66186	Spring	.10	69121	Air Horn	.80
66246	Piston Pin Lock	.2 for .05		Note: No. 69612 Air Horn	1.35
66403	Flywheel Key	.05		Special air horn with swivel on choke lever. Includes: No. 91253 Swivel Screw	.2 for .05
66411	Rope Starter Pulley	1.00		No. 69558 Air Horn	1.00
	Note: No. 68571 Rope Starter Pulley (Aluminum)	2.50		With clamping lug milled off so that air cleaner elbow will clear lawn mower drive shaft.	
	Used on some Model "MH" Motors.			No. 69631 Air Horn	2.25
66466	Control Casing—21" long	.30		Equipped with air cleaner adapter. Used on motors equipped with Vacuum Tank.	
66679	Magneto Flywheel	9.20			
	Note: No. 69166 Magneto Flywheel (Aluminum)	13.75			
	Riveted in magnet poles and hub.				

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Before ordering parts, read instructions top page 3.

MASTER PART NUMBER	NAME	SELLING PRICE EACH	MASTER PART NUMBER	NAME	SELLING PRICE EACH
69130	Oil Pump Rod	.30		boss near breather for mounting tank bracket.	
69149	Float	.65			
69194	Governor Gear	1.50		No. 69984 Cylinder	18.50
	Note: No. 69665 Governor Gear (Helical Teeth). Used on some Model "MC" Motors.	1.50		High speed cylinder with $\frac{11}{16}$ " dia. carburetor intake hole. Used on Model "MJ" Motors.	
69207	Float	1.00			
69232	Connecting Rod	2.50	69343	Oil Trough	1.25
	Note: No. 29469 Connecting Rod	6.75	69344	Gasoline Line—21½" long, $\frac{3}{8}$ " dia.	.45
	Includes: No. 91643 Castle Nut (2)	.05		Note: The following gasoline lines and connections used with No. 69437 Gas and Kerosene Tank:	
	No. 7K47 Cotter Pin (2)	.05		No. 67549 Shut-off Valve	.90
	No. 63689 Screw—¼—28x $\frac{17}{8}$ " Hex. Hd.	.10		No. 65254 Check Valve Plug	.05
	Used on Model "MJ" and "MH" Motors.			No. 66939 T Elbow	.50
69239	Carburetor Cover	1.00		No. 66959 Gas Line— $\frac{3}{8}$ " dia., 1½" long (2)	.30
	Note: No. 29645 Carburetor Cover and Seat. High speed cover used on Model "MJ" and "MH" Motors.	1.00		No. 67053 Check Nut	.10
69241	Control Casing Tube—45 degree angle	.50		No. 67869 Gas Line— $\frac{3}{8}$ " dia., 19¾" long	.45
	Note: No. 69411 Control Casing Tube. Clamp is bent up at an angle—upper end of tube is extended vertically from clamp—lower end is horizontal with clamp but 23° to one side.	.50		No. 69717 Gas Line— $\frac{3}{8}$ " dia., 3½" long	.30
	No. 69525 Control Casing Tube. Lower end of tube is parallel with clamp.	.50		The following gasoline lines and connections used with No. 69605 Vacuum Tank on some Model "MF" Motors:	
69278	Air Guide	.80		No. 63345 Adapter (2)	.85
69282	Magneto Plate Bearing	1.25		No. 63394 Spacer	.10
69294	Carburetor Assembly	7.50		No. 69791 Titeflex Tubing	4.50
	Note: No. 29024 Carburetor Assembly. Used on some Model "MC" Motors equipped with swivel on throttle lever and inlet connection for ¼" gas line.	9.00		No. 69879 Intake Pipe	1.50
	No. 69119 Carburetor Assembly. High speed carburetor used on some Model "MJ" and "MH" Motors.	9.00		No. 69883 Titeflex Tubing	6.00
	No. 69613 Carburetor Assembly. Special air horn with swivel on choke lever.	9.50		No. 63390 Adapter (2)	.20
	No. 69632 Carburetor Assembly. Equipped with special air horn and inlet connection.	12.00		No. 29025 Gasoline Line—18" long, ¼" dia.	.55
	Used on motors equipped with Vacuum Tank.		69345	Oil Filler Cap	.35
69296	Carburetor Barrel	1.80		Note: No. 90886 Filler Plug	.10
	Note: No. 29023 Carburetor Barrel. Used on some Model "MC" Motors equipped with swivel on throttle lever.	1.80		Used on latest model motors with oil filler opening at bottom of cylinder.	
	Includes: No. 91253 Swivel Screw	.05	69352	Magneto Plate Assembly	10.50
	No. 69271 Carburetor Barrel	1.80		Note: No. 69170 Magneto Plate Assembly. With shielded ignition cable, 23¾" long.	14.50
	$\frac{11}{16}$ " dia. intake opening. Used on Model "MJ" and "MH" Motors.			No. 69614 Magneto Plate Assembly. With ground wire.	10.50
69298	Gas Tank Strap	.35		Includes: No. 65335 Ground Wire	.25
	Note: No. 29378 Gas Tank Strap. Used on motors equipped with Vacuum Tank.	.50		No. 69672 Magneto Plate Assembly. With shielded ignition cable, 17¾" long.	10.50
69306	Blower Housing	1.50		No. 69999 Magneto Plate Assembly. With 28" armored ground wire.	11.00
	Note: No. 64099 Blower Case. Similar to No. 69306 except with air baffle and without gas tank bracket.	1.50	69375	Carburetor Bowl	2.70
69307	Blower Housing	1.50		Note: When ordering No. 69375 Bowl for motors before Serial No. 1050 order No. 69460 Needle Valve also.	
	Note: No. 64089 Blower Case. Similar to No. 69307 except with baffle and without tank bracket.	1.50	69382	Ignition Cable	.40
69312	Starter Chain—14" long	1.25		Note: No. 69275 Ignition Cable— $\frac{3}{8}$ " dia., 17¾" long	.30
69314	Breather	.80		Used on motors previous to Serial No. 1300 and between Serial Nos. 1799 and 2500.	
69333	Lever and Shaft Assembly	3.50		Uses: No. 65847 Ignition Cable Sleeve	.10
	Note: No. 69453 Lever and Shaft Assembly. (Without Guard No. 62015.)	3.25		No. 69165 Ignition Cable—¾" dia., 23¾" long	.80
69334	Lever and Shaft	2.00		With shielding 19½" long.	
69342	Cylinder with Bearing	18.50		No. 69674 Ignition Cable—¾" dia., 17¾" long	.60
	Note: No. 29042 Cylinder. Used on some Model "MC" Motors without a governor.	18.50	69423	Air Cleaner Assembly	4.50
	No. 64069 Cylinder. Used on some Model "MF" Motors equipped with Vacuum Tank.	19.50		Note: No. 69424 Air Cleaner Assembly. Used on some Model "MH" and "MJ" Motors.	5.50
	No. 64509 Cylinder. High speed cylinder with $\frac{11}{16}$ " dia. carburetor intake hole and ¾" dia. tapped hole in	18.50	69445	Air Cleaner Filter	2.00
				Note: No. 69447 Air Cleaner Filter. Used on some Model "MH" and "MJ" Motors.	2.50
			69446	Air Cleaner Stem and Nut	.50
			69460	Needle Valve	.30
				Note: No. 63150 Needle Valve. Used on motors before Serial No. 1050.	.30
			69477	Carburetor Assembly	10.00
				Note: No. 69530 Carburetor Assembly. With shoulder and bottom of carburetor barrel cut off so that air cleaner elbow will clear lawn mower drive shaft.	10.00
			69483	Inlet Valve and Seat	1.00
			69498	Needle Valve and Seat	.65

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MASTER PART NUMBER	NAME	SELLING PRICE EACH	MASTER PART NUMBER	NAME	SELLING PRICE EACH
69499	Carburetor Body	3.75		No. 69712 Locking Plate Assembly	.35
	Note: No. 29414 Carburetor Body	4.00		Used to mount magneto plates which do NOT have re-inforcing rib around armature.	
	With shoulder and bottom of carburetor barrel cut off so that air cleaner elbow will clear lawn mower drive shaft.		90916	Screw— $\frac{1}{4}$ — $20 \times \frac{1}{2}$ " Rd. Hd.	.05
69636	Cylinder Bearing	1.25	91110	Cap Screw— $\frac{5}{16}$ — $18 \times 2\frac{3}{4}$ " Hex. Hd.	.10
	Note: No. 69346 Cylinder Bearing	1.25	91134	Air Bleed Screw	.10
	Used on motors before Serial No. 5500.		91152	Plug Screw	.20
69695	Choke Wire— $24\frac{7}{8}$ " long	.30	91203	Cap Screw— $\frac{5}{16}$ — $18 \times 1\frac{3}{4}$ " Hex. Hd.	.10
	Note: No. 64459 Choke Wire— 122 " long	.75	91207	Cap Screw— $\frac{3}{8}$ — 24×2 " Hex. Hd.	.10
69917	Piston—Standard	2.00	91208	Nut— $\frac{5}{16}$ — 24 " Hex.	.05
69918	Piston—.010" Oversize	2.75	91213	Screw— 8 — $32 \times \frac{5}{8}$ " Headless	.05
69919	Piston—.020" Oversize	2.75	91219	Exhaust Street Elbow— 45°	.40
69920	Piston—.030" Oversize	2.75	91225	Armature Mounting Screw	.05
69928	Chain Repair Link	.35	91239	Screw—No. 10, $\frac{3}{4}$ " long (Parker-Kalon)	.05
69961	Gas Tank Cap (Bayonet Joint Type)	.25	91242	Lock Nut— $\frac{3}{4}$ "	.05
	Note: No. 65499 Gas Tank Cap (Screw Type)	.60	91245	Exhaust Nipple— $1\frac{3}{8}$ " long	.15
	Used on early model motors equipped with threaded filler flange in tank.			Note: No. 91299 Exhaust Nipple— $2\frac{1}{2}$ " long	.15
69992	Oil Return Valve	.35	91246	Exhaust Pipe Elbow— 45°	.40
90077	Screw— 10 — $32 \times \frac{1}{4}$ " Rd. Hd.	.05		Note: No. 91205 Exhaust Pipe Elbow— 90°	.35
90200	Screw— 8 — $32 \times \frac{1}{2}$ " Fill. Hd.	.05	91247	Cap Screw— $\frac{1}{2}$ "— 20×2 " Hex. Hd.	.15
90202	Screw— 10 — $32 \times \frac{1}{2}$ " Fill. Hd.	.05	91248	Nut— $\frac{1}{2}$ — 20 " Hex.	.05
90290	Nut— 10 — $32 \times \frac{3}{4} \times \frac{1}{8}$ " Hex.	.05	91253	Screw— 6 — $32 \times \frac{5}{16}$ " Fill. Hd.	2 for .05
90364	Lockwasher— $\frac{3}{4} \times \frac{3}{4} \times \frac{3}{16}$ "	.05	91256	Screw— $\frac{1}{4}$ — 20×1 " Fill. Hd.	.05
90367	Lockwasher—No. 8	.05	91258	Exhaust Pipe Nipple— 2 " long— $\frac{1}{2}$ "	.20
90558	Screw— 6 — $32 \times \frac{1}{2}$ " Fill. Hd.	.05		Note: No. 90886 Filler Plug	.10
90597	Screw— 10 — $32 \times \frac{1}{2}$ " Rd. Hd.	.05		Used on later model motors equipped with oil filler opening in cylinder.	
90680	Screw— $\frac{5}{8}$ — $18 \times \frac{1}{2}$ " Sq. Hd.	.05	91279	Set Screw— $\frac{3}{8}$ — $16 \times \frac{1}{2}$ " long, Headless	.05
90768	Lockwasher—No. 8	.05	91281	Lockwasher— $\frac{1}{4} \times \frac{3}{4} \times \frac{3}{16}$ "	.05
90781	Screw— 8 — $32 \times \frac{1}{8}$ " Fill. Hd.	.05		Note: No. 91498 Screw— $\frac{1}{4}$ — $20 \times 1\frac{3}{4}$ " Hex. Hd.	.05
90802	Screw— $\frac{1}{4}$ — $20 \times 1\frac{1}{2}$ " Hex. Hd.	.05		Used to mount lever on No. 29035 Control Lever Assembly.	
	Note: (No. 90699 Lockwasher	.05	91282	Screw— 10 — $32 \times \frac{3}{8}$ " Fill. Hd.	.05
	(No. 91498 Screw— $\frac{1}{4}$ — $20 \times 1\frac{3}{4}$ " Hex. Hd.	.05	91284	Screw— 10 — $32 \times \frac{1}{4}$ " Fill. Hd.	.05
	Used to mount lever on No. 29035 Control Lever Assembly.		91389	Screw— $\frac{1}{4}$ — $20 \times 1\frac{1}{8}$ " Hex. Hd.	.05
90832	Lockwasher— $\frac{1}{4} \times \frac{3}{4} \times \frac{3}{16}$ "	.05	91419	Screw— $\frac{1}{4}$ — $20 \times \frac{3}{8}$ " long, Hex. Hd.	.05
90878	Pipe Plug— $\frac{1}{4}$ "	.10	91431	Cotter Pin	.05
	Note: No. 91474 Pipe Plug	.10	91490	Motor Mounting Bolt with Nut— $\frac{3}{8}$ — $16 \times 1\frac{3}{4}$ " long	.10
	Used as drain plug on No. 61407 Aluminum Base.		91568	Stove Bolt and Nut— $\frac{1}{4} \times 1\frac{1}{2}$ "	.05
90891	Cap Screw— $\frac{1}{4}$ — $20 \times \frac{1}{2}$ " Hex. Hd.	.05	99921	Gasoline Tank (One Gallon Capacity)	3.50
90895	Cap Screw— $\frac{3}{8}$ — 16×1 " Hex. Hd.	.05		Note: No. 64569 Gasoline Tank	5.00
90902	Screw— $\frac{1}{4}$ — $20 \times \frac{3}{8}$ " Fill. Hd.	.05		(One Gallon Capacity) (Copper)	
	Note: No. 69711 Locking Plate Assembly	.35		No. 69437 Gas and Kerosene Tank	5.80
	Used to mount magneto plates which have re-inforcing rib around armature.			No. 69506 Gasoline Tank	5.65
				(One Gallon Capacity, Painted Red.)	
				No. 69587 Gasoline Tank	5.65
				(One Gallon Capacity with Extra Drain Outlet.)	
				No. 69605 Gasoline Tank (Vacuum)	6.00
				Includes: (No. 29378 Tank Straps	.50
				(No. 69811 Check Valve	.75

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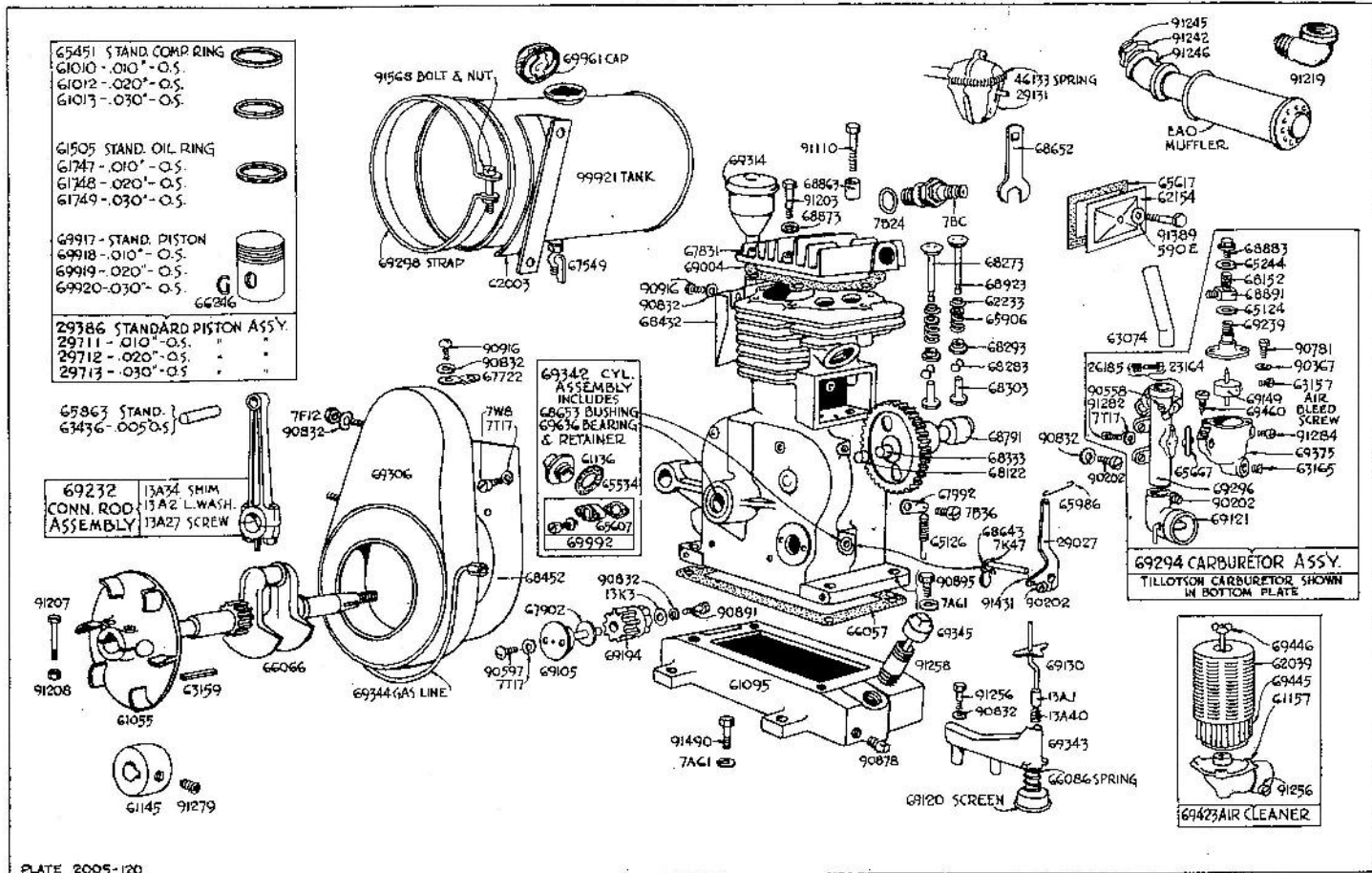


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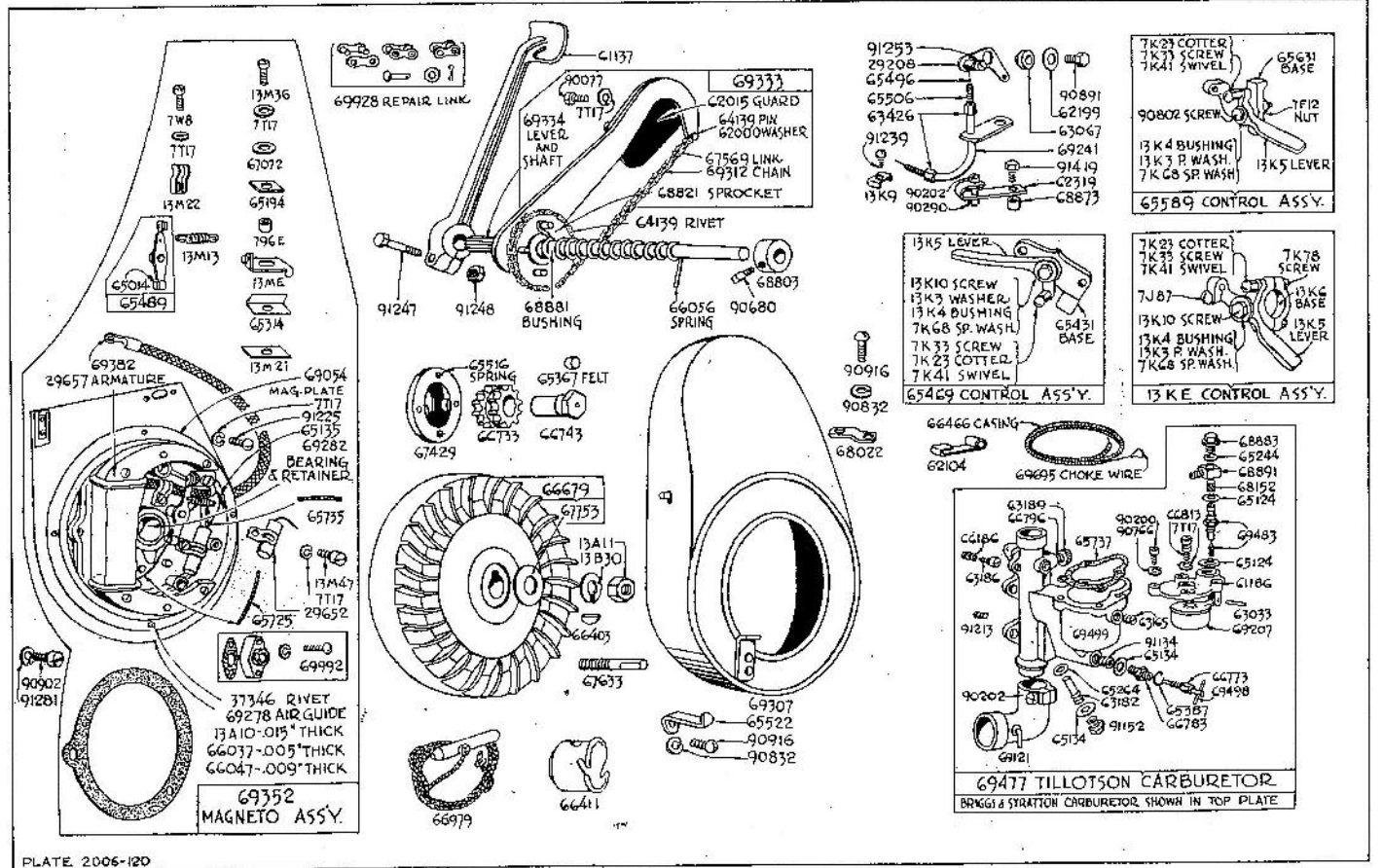


PLATE 2006-120

ASSEMBLIES INCLUDE ALL PARTS SHOWN IN BRACKETS

NATION-WIDE SERVICE ORGANIZATION

To provide prompt and Authorized Central Service Stations located in the principal

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

These Organizations are instructed by the factory to re-urge all parts found to be defective in either repair, according to the conditions of the Briggs &

Under the guarantee is the responsibility of the organization until all the material involved and submitted to and approved by the factory.

Briggs & Stratton motors, Motor Service Stations are States and Canada.

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 motor satisfaction. Our long experience in motor 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 Central Service Distributor, or Motor Service Station. The Central Service Distributor nearest you (see list below) will be glad to give you the name of our Motor Service Station in your locality. Space does not permit listing here.

Authorized Central Service Distributors

STATE	CITY	NAME	LOCATION
Alabama	Birmingham	Birmingham Electric Battery Co.	Ave. B. at 23rd St.
Arizona	Phoenix	Motor Supply Co.	315 N. Central Ave.
California	Los Angeles	Electric Equipment Company	1611 S. Hope St.
California	San Francisco	Automotive Service Co.	930 Van Ness Ave.
Colorado	Denver	Spitzer Electrical Company	43 W. 9th Ave.
Florida	Jacksonville	Spencer Electric, Inc.	40 W. Beaver St.
Florida	Miami	Electrical Equipment Co.	42-58 N. W. 4th St.
Florida	Tampa	Spencer Auto Electric, Inc.	607-11 E. Cass St.
Georgia	Atlanta	Auto Electric & Magneto Co.	477 Spring St., N. W.
Illinois	Chicago	Mid-States Auto Electric Co.	2446 Indiana Ave.
Indiana	Indianapolis	Gulling Auto Electric Co.	450 N. Capitol Ave.
Iowa	Des Moines	Magneto Carburetor & Electric Co., Inc.	1308 Grand Ave.
Kansas	Wichita	The E. S. Cowie Electric Co.	230 S. Topeka Ave.
Kentucky	Lexington	Kentucky Ignition Co. Incorporated	Rose and Vine Sts.
Louisiana	New Orleans	Suhren, Inc.	1319 St. Charles Ave.
Louisiana	Shreveport	Chain Pattery & Automotive Supply, Inc.	Marshall at Cotton Sts.
Massachusetts	Boston	Wm. H. Flaherty Co.	48-52 Cunningham St.
Michigan	Detroit	Auto Electric & Service Corporation	90 Selden Ave.
Minnesota	Minneapolis	Reinhard Brothers Co., Inc.	11 S. Ninth St.
Missouri	Kansas City	The E. S. Cowie Electric Co.	1819 Wyandotte St.
Missouri	St. Louis	Medart Auto Electric Co., Inc.	3134 Washington Blvd.
Nebraska	Lincoln	Carl A. Anderson, Inc.	1837 P Street
Nebraska	Omaha	Carl A. Anderson, Inc.	16th and Jones St.
New York	Buffalo	The Battery & Starter Co., Inc.	2505 Main St.
New York	New York	The Durham Co., Inc.	17 W. 60th St.
New York	Syracuse	The Durham Co., Inc.	601 W. Genesee St.
North Carolina	Charlotte	Carolina Rim & Wheel Co.	312 N. Graham St.
North Dakota	Fargo	Reinhard Brothers, Inc.	109 Roberts St.
Ohio	Toledo	The Electric Power Maintenance Co.	26-30 Seventeenth St.
Oklahoma	Oklahoma City	American Electric Ignition Co.	725 N. Broadway
Oregon	Portland	Tracey & Co., Inc.	N. W. 10th and Gilsan
Pennsylvania	Philadelphia	Auto Equipment & Service Co., Inc.	1522-24 Fairmount Ave.
Pennsylvania	Pittsburgh	Plitt Auto Electric Company	5135 Baum Blvd.
South Dakota	Aberdeen	Reinhard Brothers Co., Inc.	317 S. Lincoln St.
Tennessee	Knoxville	R. T. Clapp Company	401-7 N. Broadway
Tennessee	Memphis	Automotive Electric Service Co.	1095 Union Ave.
Texas	Amarillo	The E. S. Cowie Electric Co.	700 Van Buren St.
Texas	Dallas	Beard & Stone Electric Co., Inc.	2101 Bryan St.
Texas	El Paso	Motor Supply Co.	308 Chihuahua St.
Texas	Houston	Beard & Stone Electric Company, Inc.	Milam at Polk Ave.
Texas	San Antonio	S. X. Callahan	425 N. Flores St.
Utah	Salt Lake	Motor Equipment Company	605-609 So. State St.
Washington	Seattle	Sunset Electric Co.	300 Westlake North
Wisconsin	Milwaukee	Wisconsin Magneto Co.	918 N. Broadway

DOMINION OF CANADA

Manitoba	Winnipeg	Beattie Auto Electric Limited	176 Fort St.
Ontario	Toronto-5	Auto Electric Service Company Limited	1009 Bay St.

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