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FORM MS-5674-94
REPLACES FORM MS-5674-102
FILE IN SECT. 2 OF SERVICE MANUAL

Illustrated Parts List

MODEL SERIES

171700 to 171706

TYPE NUMBERS
0010 through 0016
0110 through 0125

TO FIND
THE CORRECT NUMBER OF THE PART YOU NEED:
FOLLOW THE INSTRUCTIONS BELOW:

A. Refer to Engine Model, Type and Code Number that is stamped on the blower housing or name plate of engine. (Engine type numbers such as 0123 01 are listed herein only as 0123. The two digits (01 or 02, etc.) to the right of the space are not needed for parts identification). Then use the Illustrated Parts List covering these Model Series.

B. Refer to Illustrated Parts section and compare the old part with illustration. The number on the illustration is the Reference Number. Assemblies include all parts shown in frames. All parts shown in assembly frames on which individual reference numbers are given can be purchased separately.

C. After the Reference Number has been identified, refer to the Numerical Parts List, where Reference and Master Part Numbers are listed. THE MASTER PART IS USED ON ALL TYPE NUMBERS EXCEPT THOSE TYPE NUMBERS UNDER "NOTE".

D. If a "Note" appears below the Master Part Number, this means that this part differs from the Master Part for certain types. If the Type Number is listed under "Note", order the part referred to.

E. If the Engine Type Number does not appear after any part number listed under "Note", use the Master Part Number.

F. For Type Numbers higher than those covered by this book, please refer to the factory if you are unable to identify the part by comparison.

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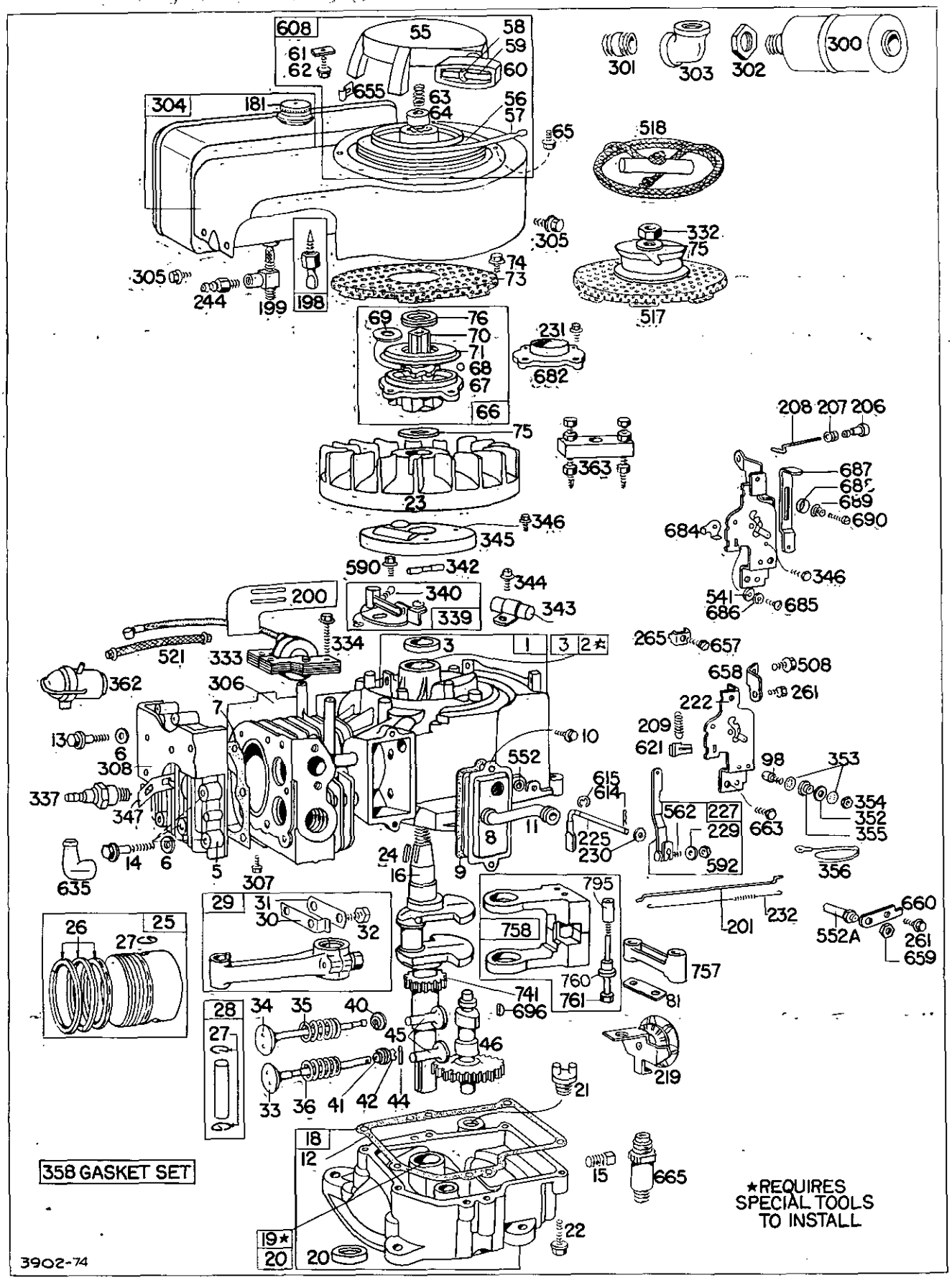
171700 to 171706



Assemblies include all parts shown in frames.

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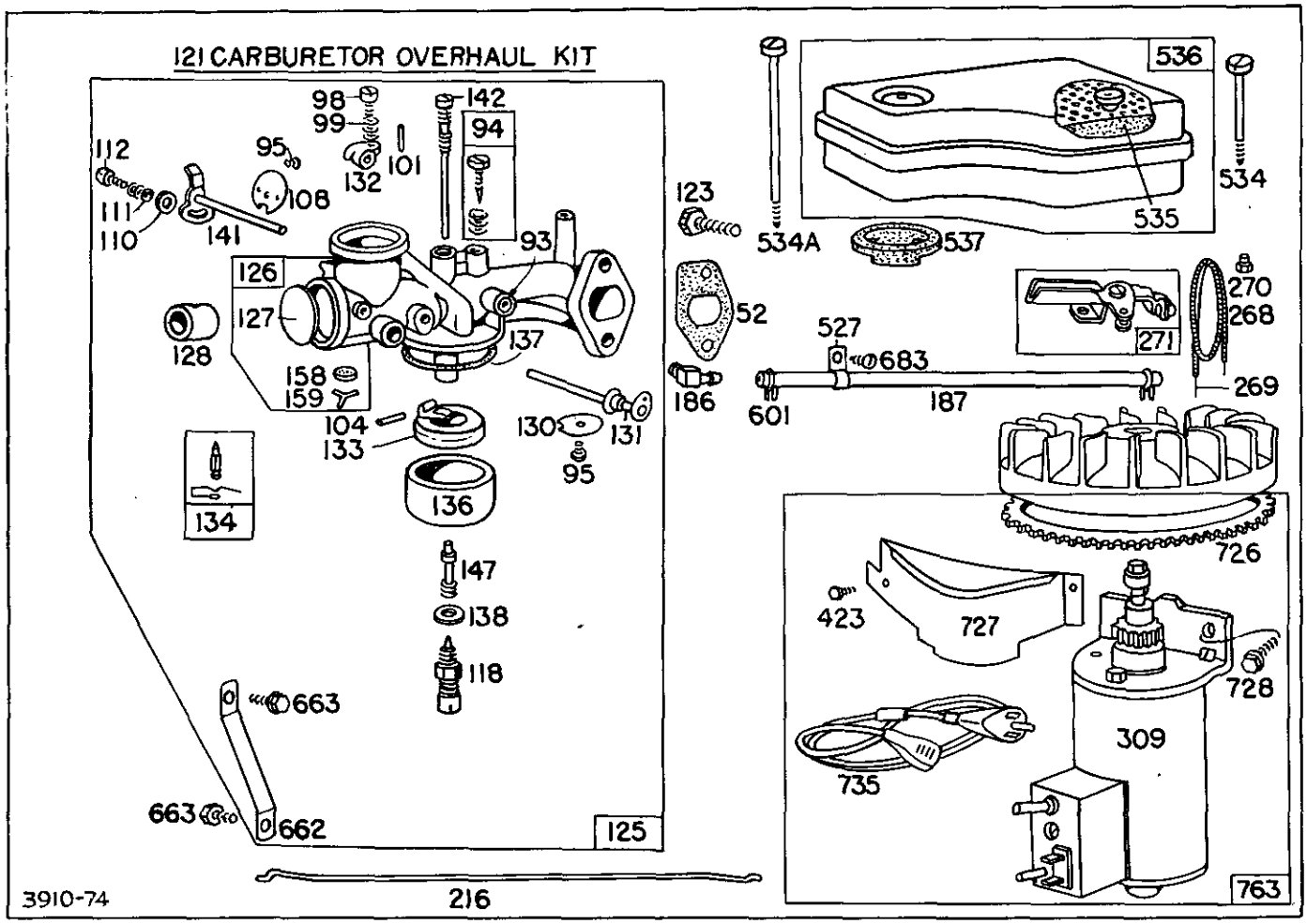
171700 to 171706



Assemblies include all parts shown in frames.

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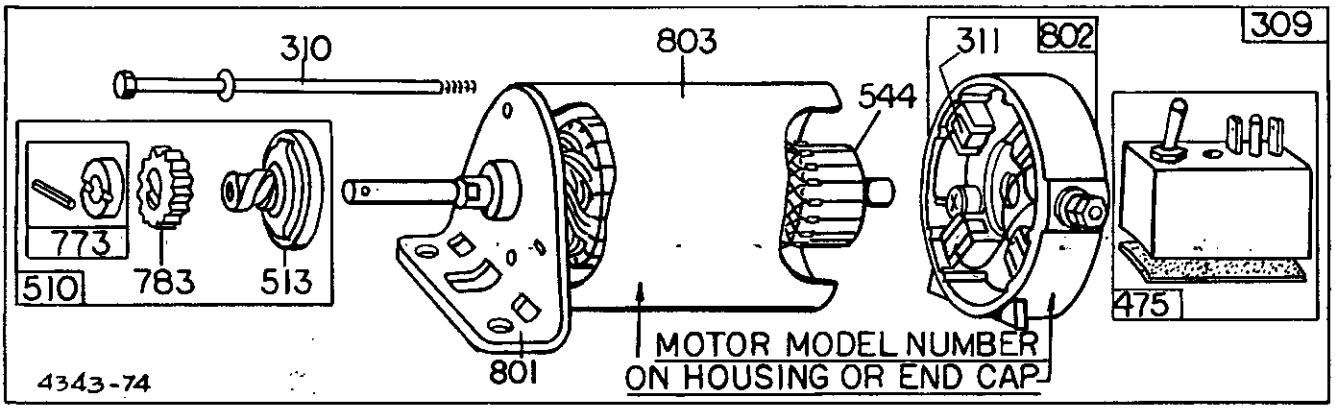
171700 to 171706

INSTRUCTIONS

To determine the part number of a starter motor, or starter motor part, first identify the starter motor manufacturer and motor model number. See illustration for location. Next, use chart to select part number.



Subject		Ref. No. 309	Ref. No. 510	Ref. No. 801	Ref. No. 544	Ref. No. 803	Ref. No. 802	Ref. No. 311	Ref. No. 310	Ref. No. 475
Starter Motor Mfr. and Motor Model Number		Motor and Drive Assy.	Drive Assembly	End Cap Assy. Drive	Armature Assy.	Housing Assy.	End Cap Assy. Commutator*	Brush Assy.	Thru Bolt Assy.	Rectifier Assy.
American Bosch										
12 V.	SMH 12-A11	390307	390443	390444	390446	390447	390448	390449	390450	
12 V.	SME 12-A8	299330	390094	390092	390086	390097	390089		390080	
12 V.	01965-23-MO-30-SM	390838	391461**	390444	391607	390447	390448	390449	390450	
110 V.	SME 110-C3	299329	390094	390091	390088	390096	390098	390081	390080	390099
110 V.	SME 110-C6	299556	390094	390092	390088	390095	390098	390081	390080	390084
110 V.	SME 110-C8	299764	390094	390093	390088	390096	390098	390081	390080	390099
Mitsubishi										
12 V.	MMO-5ML	390307	299963	390454	390456	390452	390455	390990	299962	
12 V.	MMO-4FL	299330	299963	390454	390457	390453	390455	390990	299962	
12 V.	MOOIT02271	390838	391461**	391585	391584	390452	390455	390990	93771	
110 V.	J282188	299329	299963	299964	299968	299967	299965		299962	299966
Briggs & Stratton										
12 V.		390838	391461**	390825	390837	390849	390846	391705	391706	

* Includes Brush Set

** Includes # 391135 Clutch Assembly (Ref. No. 513)
# 280104 Gear (Ref. No. 783)
# 391462 Retainer and Pin (Ref. No. 773)

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REF. NO.	PART NO.	DESCRIPTION
1	299854	Cylinder Assembly
2	391726	Bushing–Cylinder
	Note:	Requires Special Tools for Installation
3	294606	Seal–Oil
5	211592	Head–Cylinder
6	22963	Washer–Plain
7	♦270430	Gasket–Cylinder Head
8	299848	Breather Assembly
9	♦27803	Gasket–Valve Cover
10	93536	Screw–Breather Mounting Sem
11	280005	Tube–Breather
12	♦27750	Gasket–Crankcase Cover–1/64" thick
	♦27876	Gasket–Crankcase Cover–.005" thick
	♦27877	Gasket–Crankcase Cover–.009" thick
13	93210	Screw–Cylinder Head (2-9/32" long)
14	93211	Screw–Cylinder Head (2-21/32" long)
15	91084	Plug–Oil Drain
16	260972	Crankshaft
18	298616	Sump–Oil
19	295963	Bushing–Oil Sump
	Note:	Requires special tools for installation.
20	298423	Seal–Oil
21	66768	Plug–Oil Filler
22	93585	Screw–Sump Mtg. Sem
23	298260	Flywheel–Magneto
	Note:	**299375** Flywheel–Magneto Used on type Nos. 0123, 0125.
24	61760	Key–Flywheel
25	299573	Piston Assy.–Standard
	299566	Piston Assembly–.010" O.S.
	299567	Piston Assembly–.020" O.S.
	299568	Piston Assembly–.030" O.S.

PISTON RING SETS:

Note: For Chrome Piston Ring Set–Standard Size–order Part No. 299743.

♦ Included in Gasket Set–Part No. 299577.

REF. NO.	PART NO.	DESCRIPTION
26	299569	Ring Set–Piston–Std. Consists of: **211637** Ring, Piston, Comp., Top, Std. **211636** Ring, Piston, Comp., Center, Std. **211635** Ring, Piston, Oil, Std.
	299570	Ring Set–Piston–.010" O.S. Consists of: **211649** Ring, Piston, Comp., Top, .010" O.S. **211650** Ring, Piston, Comp., Center, .010" O.S. **211651** Ring, Piston, Oil, .010" O.S.
	299571	Ring Set–Piston–.020" O.S. Consists of: **211653** Ring, Piston, Comp., Top, .020" O.S. **211654** Ring, Piston, Comp., Center, .020" O.S. **211655** Ring, Piston, Oil, .020" O.S.
	299572	Ring Set–Piston–.030" O.S. Consists of: **211657** Ring, Piston, Comp., Top, .030" O.S. **211658** Ring, Piston, Comp., Center, .030" O.S. **211659** Ring, Piston, Oil, .030" O.S.
27	68546	Lock–Piston Pin
28	295840	Pin Assy.–Piston–Standard
	295841	Pin Assembly–Piston–.005" O.S.
29	295839	Rod Assy.–Connecting
	Note:	For Connecting Rod with .020 undersize Crankpin Bore–order No. 298788.

REF. NO.	PART NO.	DESCRIPTION
30	221725	Dipper–Conn. Rod
31	220811	Lock–Conn. Rod Screw
32	92659	Screw–Conn. Rod
33	260952	Valve–Exhaust
	Note:	**260444** Valve–Exhaust Used on type No. 0123.
34	299884	Valve–Intake (Grooved Stem–Includes Retainer No. 221596) Used after Serial No. 6711030.
	Note:	**230386** Valve–Intake (with hole in stem) Used before Serial No. 6711060. For Pins and Retainers for Valve No. 230386, see Ref. No. 40. **299885** Valve–Intake Used on type No. 0123.
35	65906	Spring–Intake Valve
36	26828	Spring–Exhaust Valve
40	221596	Retainer–Intake Valve (Used with Valves with groove in stem after Serial No. 6711030)
	Note:	**230477** Retainer–Intake Valve Spring **230476** Pin–Intake Valve Spring Retainer Used before Serial No. 6711060 with Valves with holes in stem except those with Rotocoil (Ref. No. 41)
41	292260	Rotocoil–Exhaust Valve
42	230569	Retainer–Exhaust Valve Rotocoil
44	230570	Pin–Exhaust Valve Rotocoil Spring Retainer
45	260933	Tappet–Valve
46	211689	Gear–Cam
52	270538	Gasket–Intake Elbow Mounting

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171700 to 171706 REF. NO. 55 – 261

REF. NO.	PART NO.	DESCRIPTION
55	295272	Housing–Rewind Starter
	Note:	298402 Housing–Rewind Starter Used on type No. 0121.
56	295871	Pulley–Rewind Starter
57	294303	Spring–Rewind Starter
58	66564	Rope–Rewind Starter (63" long)
	Note:	If longer rope is needed order No. 66574 and cut to required length.
59	230228	Pin–Starter Grip
60	66728	Grip–Starter Rope
61	68848	Bumper–Starter Pulley
62	93254	Screw–Pulley Bumper Mounting
63	260414	Spring–Ratchet
64	230543	Adapter–Ratchet Spring
65	93163	Screw–Rewind Starter Housing Mtg. Sem
	Note:	230796 Nut–Starter Mounting 93420 Screw–Sem (on Blower Housing) 92290 Washer–Lock 90289 Nut–Square (on Blower Housing) Used on type No. 0121.
66	298798	Clutch Assembly–Rewind Starter
67	211383	Housing–Rewind Starter Clutch
68	63770	Ball–Clutch
69	66718	Washer–Starter Clutch, Thrust
70	298799	Ratchet–Rewind Starter Clutch
71	221653	Washer–Retainer
73	221796	Screen–Rewind Starter
	Note:	221668 Screen–Rewind Starter Used on type No. 0121.
74	93042	Screw–Rotating Screen Mounting Sem
	Note:	93014 Screw (to mount Screen (4) to Fan Blades) 93381 Screw (to mount Screen (4) to Starter Clutch) 92791 Washer–Lock (4) Used on type No. 0121.
75	220865	Washer–Spring
76	68238	Washer–Ratchet Sealing
81	222003	Lock–Counterweight Screw
93	23108	Bushing–Throttle Shaft
94	† 292681	Valve Assembly–Carburetor Idle
95	93038	Screw–Throttle and Choke Valve Mtg. Sem
98	91920	Screw–Machine, Fill. Hd. 8-32 x 5/8"
99	26157	Spring–Throttle Adjustment
101	93043	Pin–Throttle Stop
104	† 230896	Pin–Float Hinge
108	222010	Valve Choke
110	220899	Washer–Choke Lever
111	26229	Spring–Choke Lever
112	23270	Screw–Choke Lever
118	† 391233	Valve–Needle
121	299852	Carburetor Overhaul Kit
123	93357	Screw–Carburetor Mtg.
125	390411	Carburetor Assembly (Manual Choke)
	Note:	390417 Carburetor Assy. (Choke-A-Matic) Used on type Nos. 0122, 0125.
126	299851	Body Assembly–Carburetor
127	† 221997	Plug–Welch
128	211682	Venturi–Carburetor
130	221986	Valve–Throttle
131	299650	Shaft and Lever–Throttle
132	211712	Stop–Throttle
133	299707	Float–Carburetor
134	† 299096	Valve–Fuel Inlet
136	221995	Bowl–Float
137	† 270511	Gasket–Float Bowl
138	† 222014	Washer–Float Bowl
141	299647	Shaft and Lever–Choke
	Note:	299746 Shaft and Lever–Choke Uses: 270382 Washer–Felt Used on type Nos. 0122, 0125.
142	† 299740	Nozzle–Carburetor
147	† 230932	Screw–Nozzle
158	27590	Filter–Carburetor Drain
159	220521	Retainer–Carburetor Drain Filter
181	293270	Cap–Fuel Tank
186	67218	Connector–Fuel Pipe
187	296004	Pipe–Fuel
198	293934	Valve–Fuel Shut-Off
199	295896	Outlet–Fuel Tank (Includes Strainer)
	Note:	292797 Outlet–Fuel Tank (Includes Strainer) Used on type No. 0125.
200	221760	Guide–Air
201	260971	Link–Governor
206	230149	Nut–Gov. Control Rod
207	26855	Spring–Control Rod
208	230853	Rod–Governor Control
209	260723	Spring–Governor
216	260979	Link–Choke
219	298614	Oil Slinger Gov. Gear and Bracket Assembly
222	298997	Plate–Gov. Control
	Note:	298998 Plate–Gov. Control Used on type Nos. 0122, 0125.
225	230759	Shaft–Gov. Lever
227	298303	Lever Assy.–Governor
229	220680	Washer–Gov. Lever
230	221559	Washer–Gov. Lever
231	93064	Screw–Sem
232	260584	Spring–Governor Link
244	230318	Connector–Fuel Pipe
	Note:	67218 Connector–Fuel Pipe Used on type No. 0125.
261	93105	Screw–Sem

† Included in Carburetor Overhaul Kit–Part No. 299852.

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REF. NO.	PART NO.	DESCRIPTION
265	221535	Clamp–Casing
	Note:	93543 Screw–Sem
		Used to fasten Casing to Carburetor on type Nos. 0120, 0121.
268	65616	Casing–Control Wire–72" long
	Note:	If longer casing is required, specify length in inches; if shorter wire is needed, order No. 65616 and cut to required length.
269	26633	Wire–Control–78" long
	Note:	If longer wire is required, specify length in inches; if shorter wire is needed, order No. 26633 and cut to required length.
270	63426	Locknut–Control Wire Casing
271	290568	Lever Assy. –Control
300	294599	Muffler–Exhaust
301	91245	Nipple–Exhaust
302	91242	Locknut–Muffler and Elbow
303	91205	Elbow–Muffler–90°
	Note:	91219 Elbow–Muffler, 45° Street
		91464 Elbow–Muffler, 90° Street
		Used on type No. 0125.
304	299870	Housing–Blower (with Tank)
	Note:	299392 Housing–Blower
		Used in type Nos. 0123, 0125.
		For Fuel Tank used on type No. 0125, order No. 292945.
		299861 Housing–Blower (No Tank) Used on type Nos. 0120, 0124.
		299862 Housing–Blower (No Tank) Used on type No. 0121.
305	93158	Screw–Blower Housing Mounting Sem
	Note:	93294 Screw–Sem
		Used on type Nos. 0120, 0124.
306	221898	Shield–Cylinder
307	93163	Screw–Cylinder Shield Mtg. Sem
308	221901	Cover–Cylinder Head
309		Motor–Starting (12 Volt) and (110 Volt) **See Chart on Page 4 for Replacement Parts for Starting Motors**
332	92284	Nut
333	298968	Armature Assembly
334	93381	Screw–Armature Mounting Sem
337	298809	Plug–Spark (1-1/2" high–38 M. M.)
		29693 Plug–Spark (2" high–51 M. M.)
	Note:	Above Spark Plugs use 221798 Ignition Cable Terminal.
339	29667	Breaker Assy. – Ignition
340	26018	Spring–Breaker Arm
342	65704	Plunger–Breaker Point
343	29861	Condenser
344	93370	Screw–Condenser Mounting Sem
345	221046	Cover–Breaker Point
346	93014	Screw–Hex. Hd.
347	220884	Switch–Stop (For 1-1/2" high–38 M. M. Spark Plugs)
	Note:	221808 Switch–Stop (For 2" high–51 M. M. Spark Plugs)
352	66068	Washer–Insulating
	Note:	66895 Insulator–Terminal
		Uses: 90200 Screw–Terminal
		90576 Nut–Hex.
		92791 Washer–Lock (2)
		93067 Screw–Terminal to Control Plate
		Used on type No. 0124.
353	92791	Washer–Lock–Shakeproof (3)
354	90576	Nut–Hex. –8-32 (2)
355	66554	Collar–Insulating
356	299500	Wire–Ground
358	299577	Gasket Set
362	291630	Shield–Spark Plug
363	19165	Puller–Flywheel
423	93410	Screw–Sem
508	93294	Screw–Sem
517	295423	Pulley–Rope Starter (with screen)
	Note:	299307 Pulley with Screen–Rope Starter
		210899 Pulley–V-Belt
		93535 Screw–Sem–Rope Pulley to V-Pulley
		90931 Screw–V-Pulley Mounting
		90832 Lockwasher–V-Pulley Mounting
		Used on type Nos. 0120, 0125.
518	69932	Rope–Starter
521	298529	Shielding–Ignition Cable
527	221428	Clamp
534	93330	Screw–Air Cleaner
534A	93323	Screw–Air Cleaner
535	270528	Element–Air Cleaner
536	299849	Cleaner Assy. –Air
537	270539	Gasket–Air Cleaner
541	22398	Washer
552	230927	Bushing–Governor Shaft (no threads)
552A	230761	Bushing–Governor Shaft (with threaded end)

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171700 to 171706 REF. NO. 562 – 763

REF. NO.	PART NO.	DESCRIPTION
562	92613	Bolt–Governor Lever
590	93226	Screw–Breaker Mounting Sem
592	90356	Nut–Hex., 10-24
601	93053	Clamp–Fuel Pipe
608	295001	Starter Assy.–Rewind
614	93306	Cotter–Hair Pin
615	93307	Retainer–E-Ring
621	297472	Switch–Stop
635	66538	Elbow–Spark Plug
655	221014	Anchor–Spring
657	93496	Screw–Sem
658	221576	Strap–Control Plate
	Note:	221827 Strap–Speed Control Used on type Nos. 0122, 0123, 0125.
659	93390	Nut–Governor Shaft Bushing
660	221577	Bracket–Control Plate
662	222027	Bracket–Carburetor
663	93572	Screw
665	296768	Oil Minder
682	211516	Shield–Starter Clutch
	Note:	211521 Fan–Starter Clutch Uses: 93381 Screw (to mount Fan and Screen to Starter Clutch (4) 92791 Washer–Lock (4) Used on type No. 0121.
683	93067	Screw
684	221781	Stop–Control Lever
685	93392	Screw–Machine, Rd. Hd.–5-40 x 1/2"
686	91622	Washer–Lock
687	298957	Slide–Friction Control
688	221766	Cap–Friction Spring
689	260847	Spring–Friction
690	92484	Screw–Machine, Fil. Hd.–10-32 x 1/2"
696	93558	Key–Timing Gear
726	299543	Gear, Ring (includes mounting parts)
727	390233	Cover and Shield–Starter
728	93523	Screw–Sem
729	221907	Clip–Wire
735	390966	Cord–Starter
	Note:	390748 Cord–Starter (For Canadian use only)
741	230924	Gear–Timing
757	211675	Link–Counterweight
758	299752	Counterweight Assy.
759	298909	Pin–Counterweight (2)
760	230940	Spacer–Counterweight (2)
761	93564	Screw–Counterweight (2)
763	299914	Electric Starter Kit–110 Volt (Gear Drive)
	Note:	Cannot be used on Engines with Fuel Tank welded to Blower Housing.
	Note:	For 12 Volt Gear Drive Starter Kit, order No. 390211. Cannot be used on Engines with Fuel Tank welded to Blower Housing.

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