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FORM MS-9161-6/90
REPLACES FORM MS-9161-11/89
FILE IN SECT. 2 OF SERVICE MANUAL

100700 to 100799

Illustrated Parts List
Model Series
100700 to 100799
Non-Compliance

TYPE NUMBERS
0101
0110 through 0158

Compliance

TYPE NUMBERS
3015, 3016, 3024,
3025, 3026, 3101
3111 through 3136

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 of engine. Engine type numbers such as 012301 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 the 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 Number 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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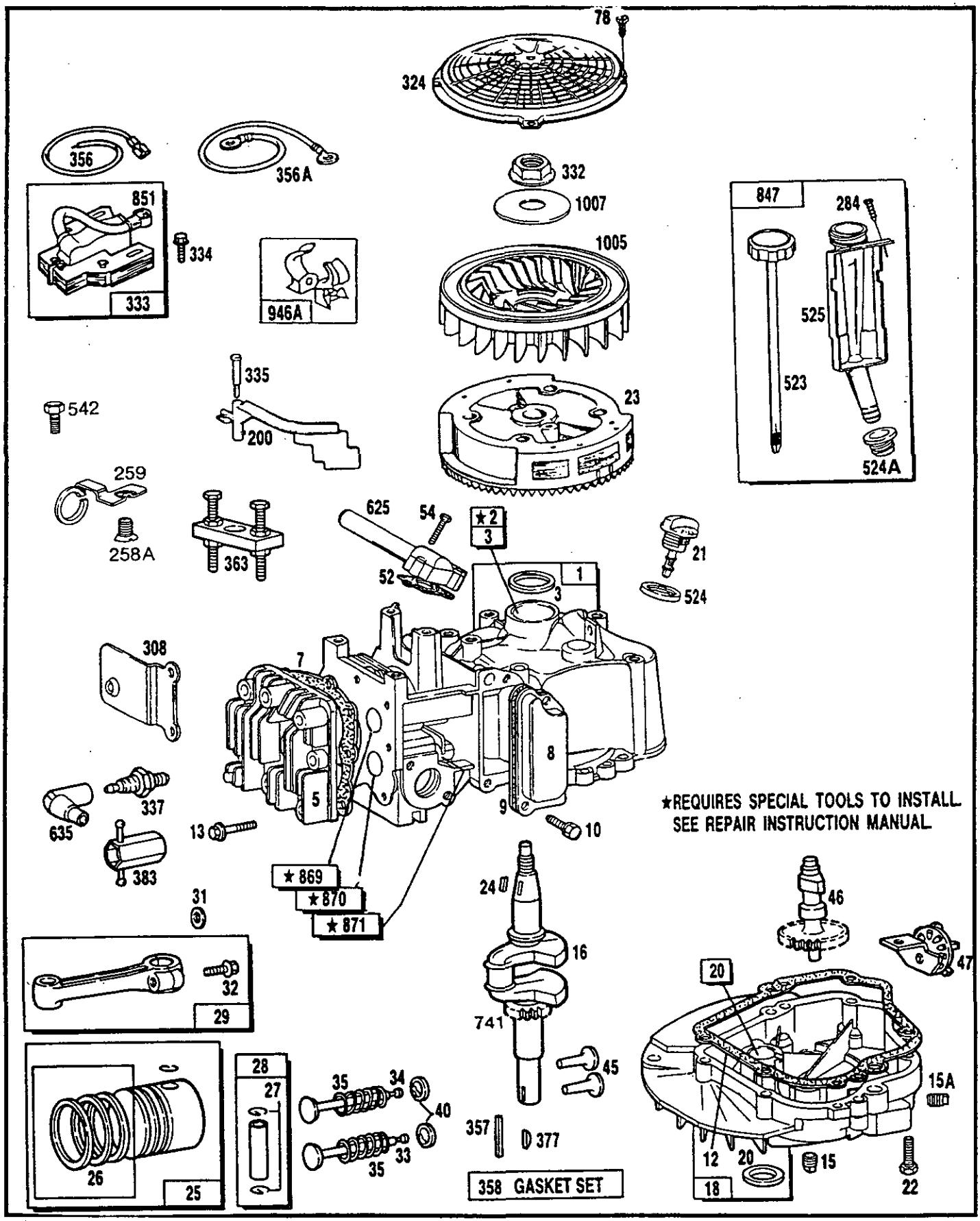

9161-1 Assemblies include all parts shown in frames. 99

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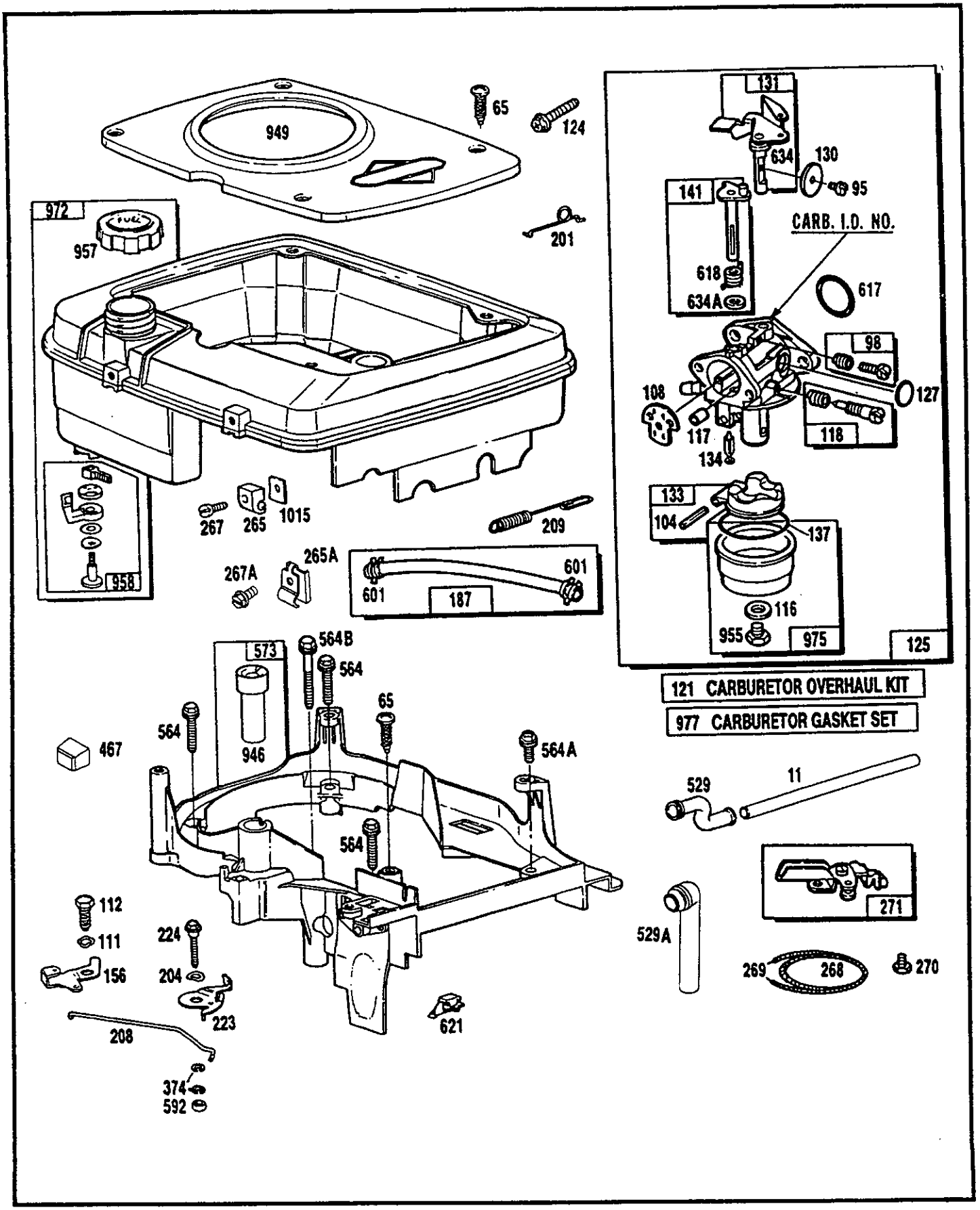

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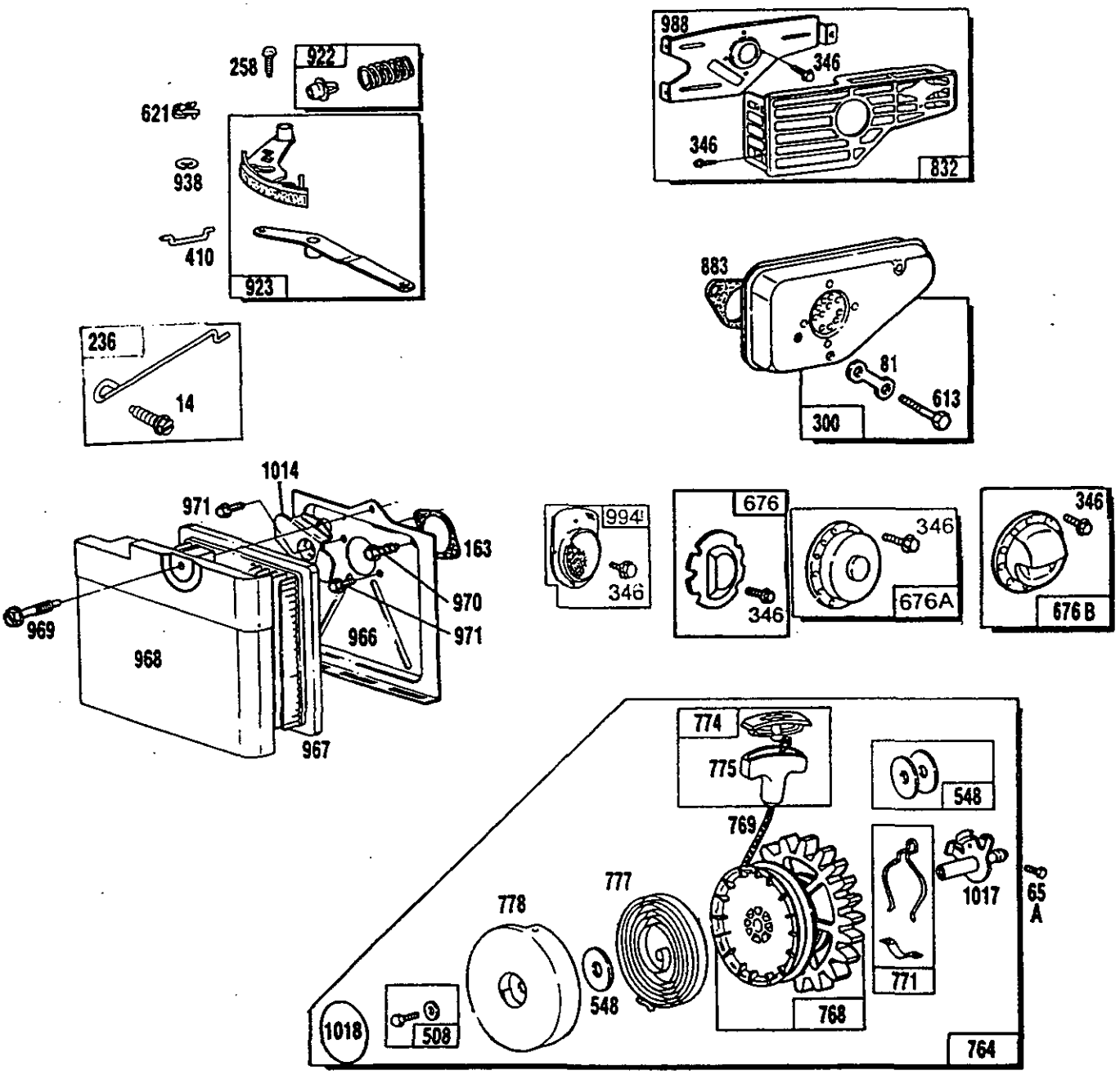
100700 to 100799



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REF. NO.	PART NO.	DESCRIPTION
1	490567	Cylinder Assembly
2	293708	Bushing—Cylinder
	Note:	Requires special tools for installation.
3	299819	Seal—Oil
5	213041	Head—Cylinder
7	** 271917	Gasket—Cylinder Hd.
8	399717	Breather—Valve Chamber
9	** 271904	Gasket—Valve Cover
10	94222	Screw—Breather Mounting Sem
11	231496	Tube—Breather
12	** 271903	Gasket—Crankcase
13	94221	Screw—Cylinder Hd.
14	93969	Screw
15	94239	Plug—Oil Drain
	Note:	**93418** Plug—Oil Drain (Hex-Socket) Used on Type No. 0133.
15A	91249	Plug—)Oil Drain
16	262206	Crankshaft (25 mm)
	Note:	**To Replace Crankshaft Gear Key Order Part No. 94388.**
		262260 Crankshaft (25 mm) Used on Type Nos. 0112, 0113, 0115, 0121, 0123, 0126, 0131, 0132, 0141, 0142, 0145, 0155, 3026, 3111, 3126, 3132.
		262266 Crankshaft (25 mm) Used on Type Nos. 3024, 3115, 3120.
		262268 Crankshaft (7/8") Used on Type Nos. 0111, 0114, 0118, 0128, 0129, 0133, 0134, 0136, 0137, 0138, 0139, 0140, 0146, 0149, 3015, 3112, 3113, 3116, 3118, 3123, 3124, 3128, 3130, 3131.
		262269 Crankshaft (7/8") Used on Type Nos. 0116, 0119, 0120, 0124, 0130, 0144, 0157, 3016, 3119, 3122, 3134, 3135.
		262358 Crankshaft (7/8") Used on Type Nos. 0158, 3117, 3129.
		493027 Crankshaft Used On Type No. 0156.
18	492396	Sump—Engine
20	399781	Seal—Oil
21	280663	Plug—Oil Filler
22	94220	Screw—Sump Mtg. Sem
23	399011	Flywheel—Magneto
24	222698	Key—Flywheel
25	490564	Piston Assy.—Standard
	490797	Piston Assy.—.010" O.S.
	490799	Piston Assy.—.020" O.S.
	490801	Piston Assy.—.030" O.S.
	MODEL 100700 SERIES PISTON RING SETS:	
26	490565	Ring Set—Std. Piston
	490798	Ring Set—.010" O.S. Piston
	490800	Ring Set—.020" O.S. Piston
	490802	Ring Set—.030" O.S. Piston
27	26026	Lock—Piston Pin
28	298909	Pin Assembly—Piston—Standard
	298908	Pin Assembly—Piston—.005" O.S.
29	490566	Rod Assembly—Connecting
	Note:	For Connecting Rod with .020" undersize Crankpin Bearing—Order No. **490743.**
31	222282	Washer—Flat (One for Each Screw)
32	94405	Screw—Connecting Rod
33	262228	Valve—Exhaust
34	262227	Valve—Intake
35	262224	Spring—Valve
40	93312	Retainer—Valve Spring Used with valves with groove in stem.
45	262204	Tappet—Valve
46	490504	Gear—Cam
47	399716	Oil Slinger Gear and Bracket
52	** 271906	Gasket—Intake Elbow
54	94266	Screw—Intake Elbow Mounting
65	94237	Screw—Guard Mounting
65A	94225	Screw—Vertical Pull Starter Mounting
78	94321	Screw—Screen Mounting
81	223664	Lock—Muffler Screw
95	94098	Screw—Throttle Valve Mounting Sem
98	398185	Screw—Idle Adjustment
104	* 231371	Pin—Float Hinge
108	223471	Valve—Choke
111	94060	Washer—Wave
	Note:	**93569** Washer Wave Used On Type No. 0142.
112	94199	Screw—Hex Head
116	*†	Gasket—Sealing (Sold in Kit Only)
117	*	Jet (Sold in Kit Only)
118	492500	Valve and Spring—Needle (For LMS-15)
	398670	Valve and Spring—Needle (For LMS-5)
121	492495	Carburetor Overhaul Kit (For LMS-15)
	490931	Carburetor Overhaul Kit (For LMS-5)
124	94268	Screw—Carburetor Mtg.
125	492499	Carburetor Assembly (For LMS-15)
	490751	Carburetor Assembly (For LMS-5)
127	*	Plug—Welch (Sold in Kit Only)
130	223470	Valve—Throttle
131	490749	Shaft and Lever—Throttle
133	398187	Float Assy.—Carburetor
134	* 398188	Valve—Inlet (Includes Seat)

* Included in Carburetor Overhaul Kit—See Ref. 121

** Included in Gasket Set—Part No. 490563

† Included in Carburetor Gasket SET—PART NO. 398183

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REF. NO.	PART NO.	DESCRIPTION
137	*†	Gasket—Bowl (Sold in Kit Only)
141	398186	Shaft—Choke
156	223764	Lever—Speed Control
	Note:	**224076** Lever Speed—Control Used On Type NO. 0142.
163	271840	Gasket—Air Cleaner
187	492790	Hose—Fuel
200	280664	Blade—Governor
201	262330	Link—Governor
204	94261	Washer—Spring
208	262254	Link—Control
209	262303	Spring—Governor
	Note:	**262297** Spring—Governor Used on Type Nos. 0145, 0153, 3114, 3123, 3124, 3131.
		262298 Spring—Governor Used on Type Nos. 0130, 0131, 0149, 0155.
		262299 Spring—Governor Used on Type Nos. 0111, 0114, 0120, 0121, 0123, 0124, 0126, 0127, 0138, 0139, 0140, 0143, 0144, 0156, 0157, 3015, 3016, 3024, 3025, 3026, 3112, 3115, 3116, 3117, 3119, 3121, 3122, 3129, 3130, 3135.
		262300 Spring—Governor Used on Type Nos. 0110, 0113, 0116, 0117, 0118, 0119, 0136, 0141, 0142, 0147, 3118, 3120.
		262301 Spring—Governor Used on Type Nos. 0101, 0112, 0129, 0134, 0137, 0150, 0152, 3101, 3111, 3113, 3128, 3133, 3136.
		262302 Spring—Governor Used On Type Nos. 0146, 3126, 3127, 3132.
		262382 Spring—Governor Used on Type No. 0133.
223	223758	Lever—Governor
224	94319	Screw—Shoulder
236	491687	Link—Brake Lock-Out
258	94223	Screw—Hex Head
258A	94037	Screw—Flat HD.
259	223834	Bracket—Cable
265	213146	Clamp—Casing
265A	224057	Clamp—Casing
267	94264	Screw—Clamp Mtg.
267A	94403	Screw—Clamp Mtg.
268	66986	Casing—Control Wire—48" long
	Note:	If longer casing is needed, specify length in inches; if shorter casing is needed, order No. **66986** and cut to required length.
269	26099	Wire Control, 54" long
	Note:	If longer wire is needed, specify length in inches; if shorter wire is needed, order No. **26099** and cut to required length.
270	63426	Locknut—Control Wire Casing
271	290568	Lever Assembly—Control
284	94326	Screw—Tube Mounting
300	490547	Muffler—Exhaust
308	490492	Bracket—Rope Guide
324	280784	Screen—Rotating
332	94232	Nut—Flywheel
333	490748	Armature—Magneto
334	93381	Screw—Armature Mounting Sem
335	93435	Screw—Governor Blade Mounting Sem
337	298809	Plug—Spark (with Gasket) 1-1/2" high—37-42 mm.
	Note:	**293918** Plug—Spark (Resistor Type) 1-1/2" high—37 mm.
346	93705	Screw—Deflector
356	398808	Wire—Ground
356A	490318	Wire—Ground
357	91539	Key (For 7/8" Dia. Crankshaft)
	Note:	**91540** Key (For 25mm Crankshaft)
358	490563	Gasket Set
363	19069	Puller—Flywheel (Optional Accessory)
374	92813	Lockwasher—Shakeproof
377	93065	Key—Woodruff (For 7/8" Dia. Crankshaft)
	Note:	**94329** Key—Woodruff (For 25mm Crankshaft)
383	89838	Wrench—Spark Plug
410	262327	Link—Brake
467	280857	Knob,Control
508	490875	Screw—Sem
523	490962	Cap with Dipstick—Oil Filler
524	271983	Seal—Filler Plug
524A	280761	Seal—Filler Tube
525	490961	Tube—Oil Filler
529	280711	Grommet—Breather
529A	271489	Tube—Breather
542	94025	Screw—Hex Hd.
548	490879	Washer Set—Starter
564	94233	Screw—Backplate (1 21/32" Long)
564A	94234	Screw—Backplate (25/32" Long)
564B	94270	Screw—Backplate (2 1/2" Long)
573	490577	Backplate Assembly
592	90356	Nut—Hex. Ground Wire
601	93053	Clamp—Hose(Black)
	Note:	**93807** Clamp—Hose (Red)
613	94231	Screw—Muffler Mtg.
617	*† 270344	Seal—Fuel Intake Tube
618	262035	Spring—Choke
621	396847	Switch—Stop
625	490002	Tube—Fuel Intake
634	*†	Washer—Throttle Shaft (Sold in Kit Only)

* Included in Carburetor Overhaul Kit—See Ref. 121

† Included in Carburetor Gasket SET—PART NO. 398183

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REF. NO.	PART NO.	DESCRIPTION
634A *†		Seal—Choke (Sold in Kit Only)
635	66538	Elbow—Spark Plug
676	393756	Deflector—Exhaust
676A	397931	Deflector—Exhaust
676B	396548	Deflector—Exhaust
741	262598	Gear—Timing
764	490647	Starter Assembly
768	490877	Pulley and Gear Assembly—Starter
769	490876	Rope—Starter
	Note:	Cut to Length Required
771	490878	Clip—Starter
774	393152	Insert—Starter Handle
775	396892	Grip—Starter Rope
777	490874	Spring—Starter
778	491888	Cover—Starter
832	490777	Guard—Muffler
847	491063	Tube Assy.—Oil Fill
851	221798	Terminal—Ignition Cable
869	213175	Seat—Intake Valve (Standard)
870	213174	Seat—Exhaust Valve (Standard)
871	262001	Guide—Exhaust Valve
	Note:	**63709** Guide—Intake Valve **See Repair Instruction Manual**
883	271918	Gasket—Exhaust
922	490658	Spring—Band Brake (Includes Retainers)
923	490659	Brake Assembly—Band
938	490657	Ring—Retainer (Inculdes 2)
946	490655	Rope Guide—Starter
946A	396526	Rope Guide
949	280662	Cover—Static-Gard
955	231373	Screw—Bowl Mtg.
957	397974	Cap Assembly—Fuel
958	490656	Valve—Fuel Shut-Off
966	223830	Base—Air Cleaner
	Note:	**491815** Backplate—Air Cleaner Includes **271840** Gasket And **271489** Breather Tube Used For HANG Down Breather Tube,Ref.529A
967	399877	Filter—Air
968	280661	Cover—Air Cleaner
969	94120	Screw—Cover Mtg.
970	94279	Screw—Hex. Hd.
971	94269	Screw—Air Cleaner
972	491062	Tank Assembly—Fuel
975	398191	Bowl Assembly—Carburetor
977	398183	Gasket Set—Carburetor
988	223828	Bracket—Muffler Guard
994	398067	Spark Arrester
1005	280645	Fan—Flywheel
1007	223665	Washer—Fan
1014	223831	Deflector—Breather
1015	223649	Plate—Casing Clamp
1017	490866	Shaft—Starter
1018	272017	Decal—Starter

* Included in Carburetor Overhaul Kit—See Ref. 121

† Included in Carburetor Gasket SET—PART NO. 398183

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