FORM MS-0070-11/97 REPLACES FORM MS-0070-5/97 FILE IN SECT. 2 OF SERVICE MANUAL

28A700 to 28A799

Illustrated Parts List Model Series 28A700 to 28A799

TYPE NUMBERS 0101, 0102, 0112, 0113, 0116, 0117, 0118, 0121, 0122, 0135, 0136, 0604, 0625.

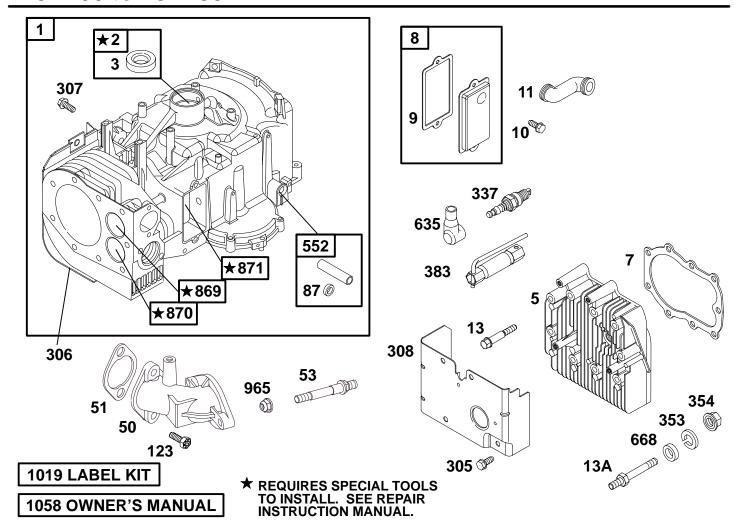
TO FIND THE CORRECT NUMBER OF THE PART YOU NEED: FOLLOW THE INSTRUCTIONS BELOW

- A. Refer to Engine Model, Type and Code Number that is stamped on the blower housing of engine. Engine type numbers such as 0123 01 are listed only as 0123 in most instances. The two digits (01 or 02, etc.) to the right of the space may be required for more accurate parts identification in some instances. Select the Illustrated Parts List covering the correct Model Series and Type Number.
- B. Refer to the Illustrations and compare the original part with Illustration. The number next to the illustration is the Reference Number. Assemblies include all parts shown in frames. All parts shown in assembly frames having individual reference numbers can be purchased separately.
- C. After the Reference Number has been identified, refer to the Numerical text, where Reference and Primary Part Number are listed. THE PRIMARY PART IS USED ON ALL TYPE NUMBERS EXCEPT THOSE TYPE NUMBERS UNDER "NOTE."
- D. If a "Note" appears below the Primary Part Number, it means that this part differs from the Primary Part for certain types. If your Type number is listed under "Note," order the part referred to at the "Note."
- E. If your Engine Type Number does not appear after any part number listed under "Note," use the Primary Part Number.
- F. For Engine Type Numbers not covered by this book, check other Parts Lists having the same engine model or contact your source of supply.



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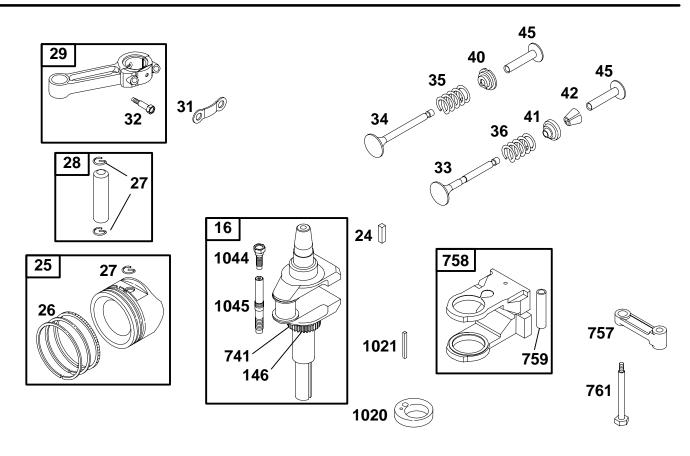
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
1 2 3 5 7 8 9 10 11 13 13A	496414 399265 ★391086 494240 Ø*271866 495735 Ø*27803 94621 280100 94622 94776	Cylinder Assembly Bushing	87 123 305 306 307 308 337 353 354 383 552 635 668 869	*491323 94616 94786 224545 94386 491490 802592 94315	Seal-Governor Shaft Screw-Torx®Hex. Screw-Hex. Shield-Cylinder Screw-Hex. Cover-Cylinder Plug-Spark Washer-Lock Nut-Hex. Wrench-Spark Plug Bushing-Gov. Crank Boot-Spark Plug Spacer Seat-Valve (Intake)	965 1019 1058	261961 94010	Bushing-Guide (Exhaust) — Note — 231218 Bushing- Guide (Intake)

[★] Included in Gasket Set-Part Number 494241.

0070–2 Assemblies include all parts shown in frames.

[•] Included in Carburetor Kit-See Ref. 121.

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.



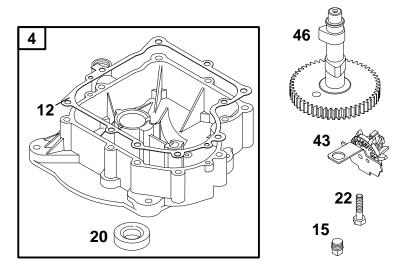
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
	NO. 495162 222698	DESCRIPTION Crankshaft Key–Flywheel Piston Assembly (Standard) Note 391287 Piston Assy. (.010" O.S.) 391288 Piston Assy. (.020" O.S.) 391289 Piston Assy. (.030" O.S.) Ring Set (Standard) Note 392331 Ring Set (Chrome Std.) 391781 Ring Set (.010" O.S.) 391782 Ring Set (.020" O.S.) 391783 Ring Set (.030" O.S.)		NO. 260924 299691 490348 222299 94671 262246 262247 65906 26828 221596 292260 494553	DESCRIPTION Lock—Piston Pin Pin—Piston (Standard) ————————————————————————————————————		94196 262932 213998 399891 230787 94593 262243 94160 94673	DESCRIPTION Key-Timing Gear-Timing Link-Counterweight Counterweight Pin-Counterweight Screw-Hex Eccentric Pin-Groove Screw-Shoulder Extension-Crankshaft
		<u> </u>						

[★] Included in Gasket Set-Part Number 494241.

Assemblies include all parts shown in frames.

[•] Included in Carburetor Kit-See Ref. 121.

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.



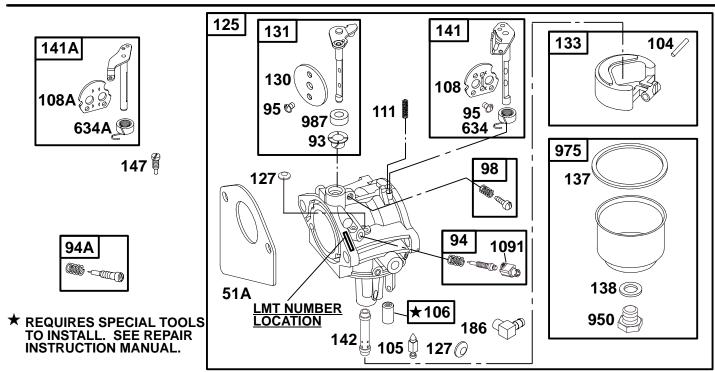
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
4 12		Sump-Engine Gasket-Crankcase (.015" Thick) Note *271997 Gasket- Crankcase (.005" Thick) *271996 Gasket- Crankcase (.009" Thick)	15 20 22	★291675	Plug-Oil Drain Seal-Oil Screw-Hex.	43 46		Governor/Oil Slinger Gear–Cam

[★] Included in Gasket Set–Part Number 494241.◆ Included in Carburetor Kit–See Ref. 121.

0070-4

Assemblies include all parts shown in frames.

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.



THIS CARBURETOR SERVICES BOTH CHOKE-A-MATIC AND MANUAL CHOKE SYSTEMS

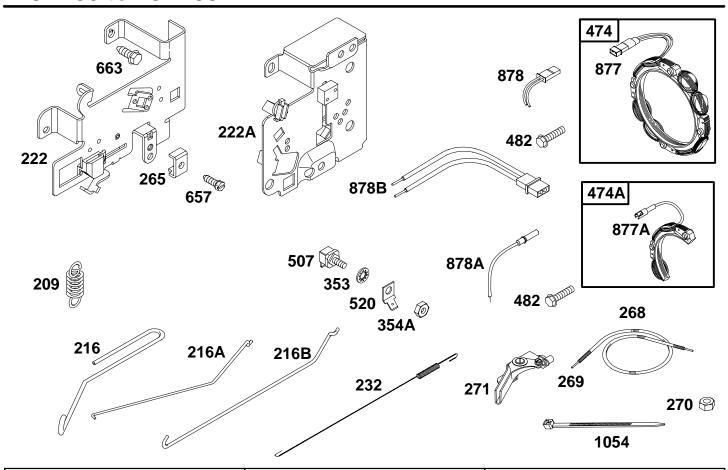
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
93 94 94A 95 98 104 105 106 108 108A 111 125	•281346 498030 496589 •94098 495800 •231789 •231855 •231854 224667 224666 262820 499161	Gasket-Intake Bushing-Thr. Shaft Valve-Idle Adjustment Valve-Idle Adjustment Screw-Choke/Throttle Screw-Idle Speed Pin-Float Hinge Valve-Needle Seat-Inlet (Gravity Feed) Valve-Choke (Manual Choke) Valve-Choke (Choke A Matic) Spring-Friction Carburetor (LMT 162, 165, 166) ———————————————————————————————————	_	494885 494381 ••281165 ••281164 495097	Valve-Throttle Throttle Shaft Kit Float-Carburetor Gasket-Float Bowl Washer Choke Shaft Kit (Manual Choke) Choke Shaft Kit (Choke A Matic) Nozzle-Carburetor (Standard-LMT 162, 165) Note 499039 Nozzle-Carb. (Standard-LMT 166) 497568 Nozzle-Carb. (Standard-LMT 97, 100) 496519 Nozzle-Carb. (Standard-LMT 63, 66) 497860 Nozzle-Carb. (Standard-LMT 108, 133, 136) 498545 Nozzle-Carb. (Standard-LMT 108, 133, 136)	186 634 634A 950 975 987 1091	49445349445594642495933281166	499038 Nozzle–Carb. (High Altitude–LMT 162, 165) 499040 Nozzle–Carb. (High Altitude–LMT 166) 497970 Nozzle–Carb. (High Altitude–LMT 97, 100) 498258 Nozzle–Carb. (High Altitude–LMT 63, 66, 100, 108, 111, 133, 136) Jet–Pilot (LMT 63, 66, 97, 100) ———————————————————————————————————

[★] Included in Gasket Set-Part Number 494241.

0070–5 Assemblies include all parts shown in frames.

[•] Included in Carburetor Kit-See Ref. 121.

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
216 216A 216B 222	260871 262766 262778	Spring–Governor — Note — 260695 Spring–Gov. Used on Type No(s). 0117. 261126 Spring–Gov. Used on Type No(s). 0121. 261306 Spring–Gov. Used on Type No(s). 0113, 0116, 0118, 0122, 0625. Link–Choke	222A 232 265 268 269 270 271 353 354A 474	494041 262785 221535 65616 26633 63426 290568 92791 90576	Bracket–Control Used on Type No(s). 0136. Spring–Link Clamp–Casing Casing–Wire (72" Long Cut to Required Length)	877A 878A 878A 878B 1054	391529 93621 398525 93722 93496 94620 393456 393814 393362 393422 399916	Alternator Screw-Hex. Insulator Terminal Screw-Slotted Hex. Screw-Hex.

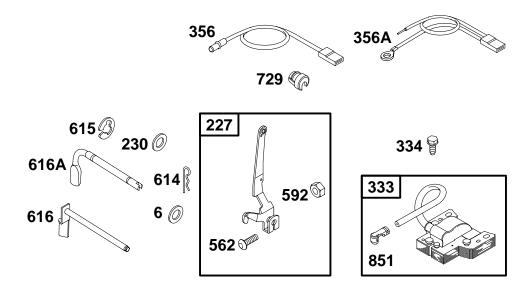
[★] Included in Gasket Set-Part Number 494241.

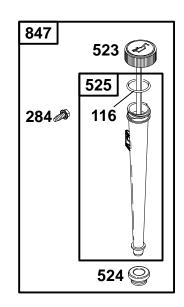
0070-6

Assemblies include all parts shown in frames.

[•] Included in Carburetor Kit-See Ref. 121.

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.





REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
NO.	94927 *270920 493935 94073 492341 94731	DESCRIPTION Washer Seal–O-Ring Lever–Governor Screw–Shoulder Armature–Magneto Screw–Hex. Wire–Stop		NO. 398808 495229 *281370 496068 94907 231978	DESCRIPTION Wire—Stop Dipstick Seal—Fill Tube Tube—Oil Fill Bolt—Governor Lever Nut—Hex. Pin—Cotter		93307 495157 231058 281159 496367	Retainer Crank-Governor Crank-Governor Clip-Wire Dipstick/Tube Assembly Terminal-Cable

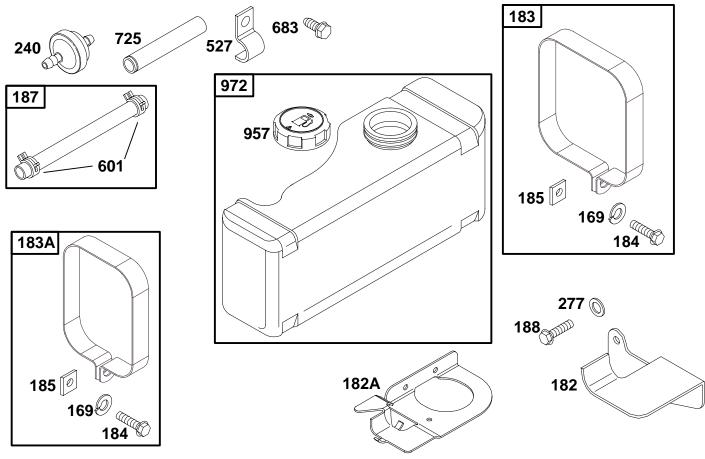
[★] Included in Gasket Set-Part Number 494241.

0070-7

Assemblies include all parts shown in frames. 7

[•] Included in Carburetor Kit-See Ref. 121.

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
169 182		Washer–Lock Bracket–Fuel Tank (R.H.)	187	299146	Line–Fuel (Cut to Required Length)	277	22963	Washer (Used on Rewind Start Engines)
182A	223866	\ /	188	94627	Screw–Hex. (Used on Rewind Start			——— Note ————————————————————————————————————
183	390406	Strap-Fuel Tank (R.H.)			Only Engines) Note			(Used on Electric Start Engines)
183A 184 185		Strap–Fuel Tank (L.H.) Note 390405 Strap–Fuel Tank (L.H.) (Used Before Code Date 94010100). Screw–Hex.	240	298090	94480 Screw-Torx® Hex. (Used on Electric Start Engines) Filter-Fuel Note 394358 Filter-Fuel Used on Type No(s). 0112, 0135.	527 601 683 725 957 972	93053 94602 222175	Clamp-Tube Clamp-Hose Screw-Hex. Shield-Heat Cap-Fuel Tank (Plastic) Tank-Fuel (Plastic)

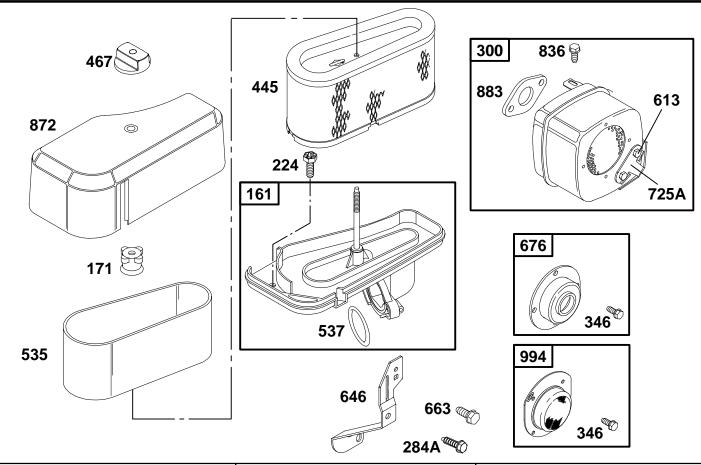
[★] Included in Gasket Set-Part Number 494241.

0070-8

Assemblies include all parts shown in frames.

[•] Included in Carburetor Kit-See Ref. 121.

[♦] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
NO. 161 171 224 284A 300 346 445	496368 281051 94729 94704 491413 93705	Base-Air Cleaner	467 535	493903 272477 ⊘★281106 93927 224546	Knob Filter–Air Gasket–Air Cleaner Screw–Shoulder	676 725A 836 872	396903 223023 94513 281105 ⊘*272293	Deflector-Muffler Shield-Heat Screw-Hex. Cover-Air Cleaner Gasket-Exhaust Arrester-Spark
	-11: 0				▲ Instituted to			

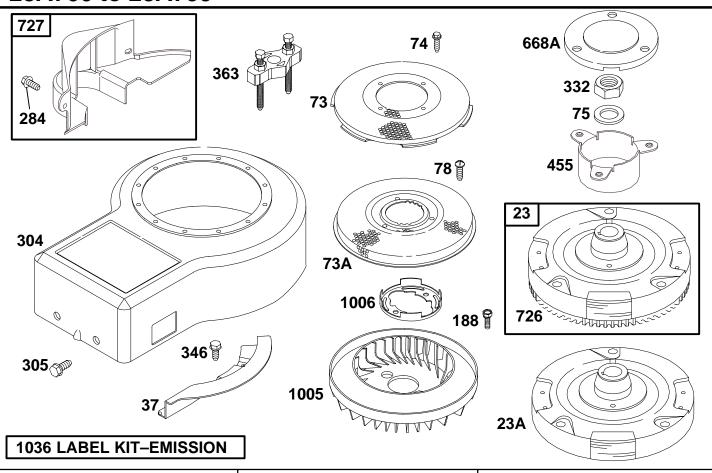
[★] Included in Gasket Set-Part Number 494241.

0070-9

Assemblies include all parts shown in frames.

[•] Included in Carburetor Kit-See Ref. 121.

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
23 23A		Flywheel Flywheel (For Rewind Starter Engines).	74 75 78 188	224061 94626	Screw-Hex. Washer-Flywheel Screw-Phillips Screw-Hex.	363 455 668A 726	222561 280848	Flywheel Puller Cup-Flywheel Spacer Gear-Ring
37	224502	Guard–Flywheel Note 494674 Guard– Flywheel Used on Type No(s). 0102.	284 304 305 332 346	94073 496319 94786 92284	Screw-Hex. Screw-Shoulder Housing-Blower (Black) Screw-Hex. Nut-Flywheel Screw-Hex.	727 1005 1006 1036	490324 280687 224413	Cover–Starter Drive Fan–Flywheel Retainer–Fan Label Kit–Emission Used on Type No(s).
73 73A		0102. Screen–Rotating Screen–Rotating	346	93705	Screw-Hex. Used on Type No(s). 0102.			0604, 0625.

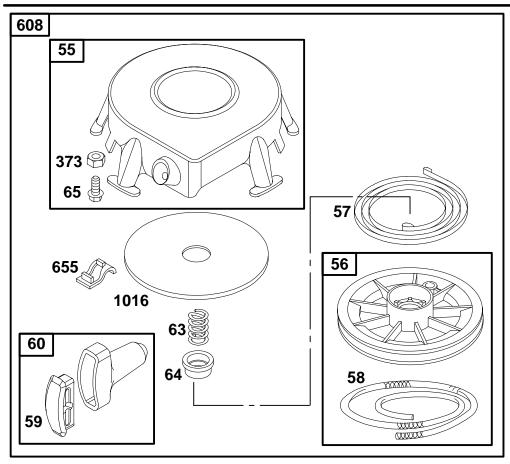
[★] Included in Gasket Set-Part Number 494241.

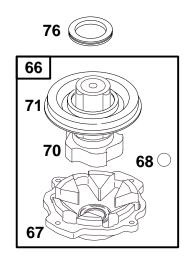
0070-10

Assemblies include all parts shown in frames. 10

[•] Included in Carburetor Kit-See Ref. 121.

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.





REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
55	393576	Housing–Rewind Starter (Includes 63" Rope)	60 63 64	260414	Grip–Starter Rope Spring–Ratchet Adapter–Spring	70 71 76		Ratchet–Clutch Cover–Ratchet
56		Pulley-Starter	65	94128	Screw-Hex.	373	92987	Nut-Hex.
57 58		Spring–Rewind Starter Rope–Starter	66 67		Clutch–Starter Housing–Clutch	608 655		Starter–Rewind Anchor–Spring
		(63" Long)	68		Ball-Clutch	1016		Spacer–Rewind
59	490653	Insert-Grip						

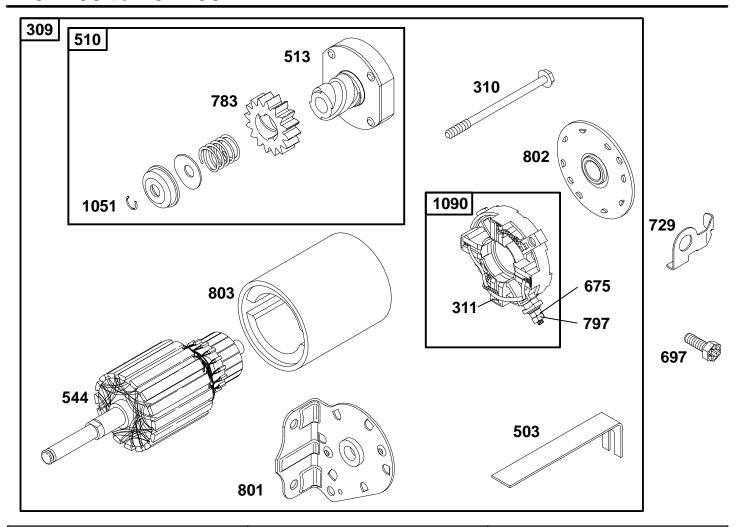
[★] Included in Gasket Set-Part Number 494241.

0070-11

Assemblies include all parts shown in frames.

[•] Included in Carburetor Kit-See Ref. 121.

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.



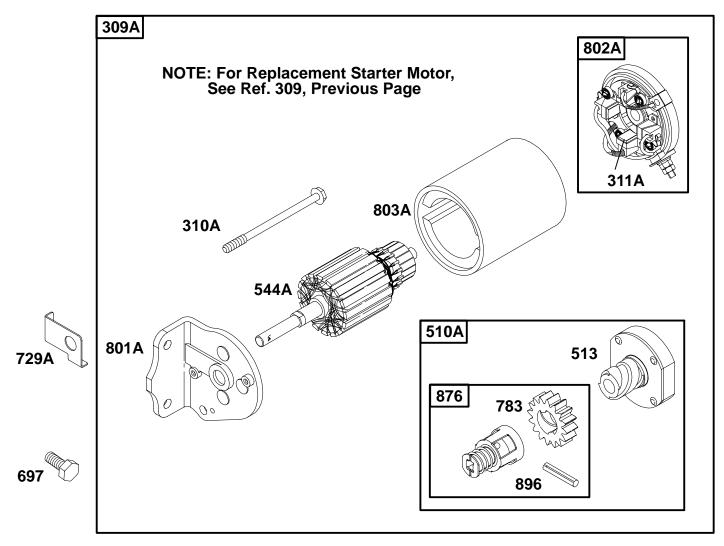
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
309	693054	Motor–Starter (3 5/8" Housing Lgth.) Note	311 503 510	497608 806000 497606	Brush Set Strap–Starter Drive–Starter	783 797	693059 92278	Gear–Starter Nut (Starter Terminal)
		499521 Motor–Starter	513	398003		801		Cap-Drive
310	94003	(4 3/8" Housing Lgth.) Bolt (Starter Motor)	544	497603	Armature–Starter (3 5/8" Housing Length)	802 803		Cap-End Housing-Starter (3 5/8" Housing
		(For 3 5/8" Housing	675	225137	Washer	4054	202000	Length)
		Length) Note	697	94773	(Starter Motor) Screw	1051 1090	263080 497605	Ring–Retaining Retainer–Brush
		95035 Bolt (Starter Motor)			(Starter Motor Mounting)			
		(For 4 3/8" Housing Length)	729	225170	Clip-Wire			

[★] Included in Gasket Set–Part Number 494241.
◆ Included in Carburetor Kit–See Ref. 121.

0070-12

Assemblies include all parts shown in frames. 12

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
513 544A	398003 390837	Clutch–Drive Armature–Starter (For 3 5/8 " Housing Length) —— Note ———	783 801	693059 394856	Gear–Starter Cap–Drive	803A	398159	Length) Housing–Starter (For 3 5/8" Housing Length) ——— Note ———
697	94627	490309 Armature— Starter (For 4 3/8" Housing Length) Screw (Starter Motor Mounting)	802A	395537	Cap-End (For 3 5/8" Housing Length) Note 494988 Cap-End (For 4 3/8" Housing	876 896	495877 94288	494205 Housing— Starter (For 4 3/8" Housing Length) Kit—Gear Pin—Roll

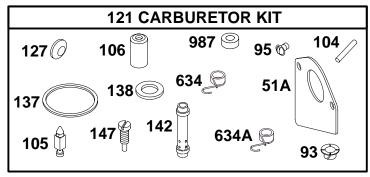
[★] Included in Gasket Set-Part Number 494241.

0070-13

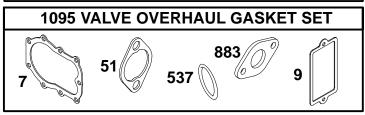
Assemblies include all parts shown in frames.

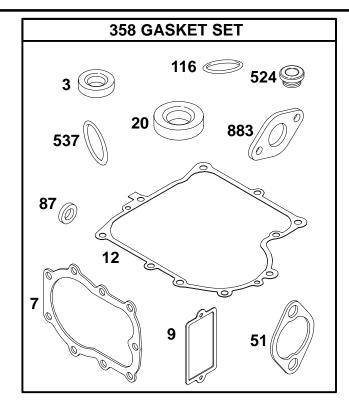
[•] Included in Carburetor Kit-See Ref. 121.

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.









REF. PAR NO. NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
9	Gasket-Cylinder Head Gasket-Breather Gasket-Crankcase (.015" Thick) Note *271997 Gasket- Crankcase (.005" Thick) *271996 Gasket- Crankcase (.009" Thick)	138	• •+281165 •+281164	Carburetor Kit (LMT 162, 165) ————————————————————————————————————	634 634A	494241 ★281370 ∅★281106 ●494453 ●494455 ∅★272293 494385 ●281166	Jet-Pilot (LMT 63, 66, 97, 100) Gasket Set Seal-Fill Tube Gasket-Air Cleaner Seal-Spring Assembly (Manual Choke) Seal-Spring Assembly (Choke A Matic) Gasket-Exhaust Gasket Set-Carb. Seal-Throttle Shaft Gasket Set-Valve Overhaul

[★] Included in Gasket Set-Part Number 494241.

0070-14

[•] Included in Carburetor Kit-See Ref. 121.

[◆] Included in Carburetor Gasket Set–Part No. 494385. Ø Included in Valve Overhaul Gasket Set–Part No. 498539.