

# Illustrated Parts List

## Model Series

### 233400 to 233499

TYPE NUMBERS  
0533, 0611, 0616,  
0631 through 0652,  
1111, 1116,  
1130 through 1156,  
2020 through 2061,  
2520 through 2531,  
2540, 2541, 2561.

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

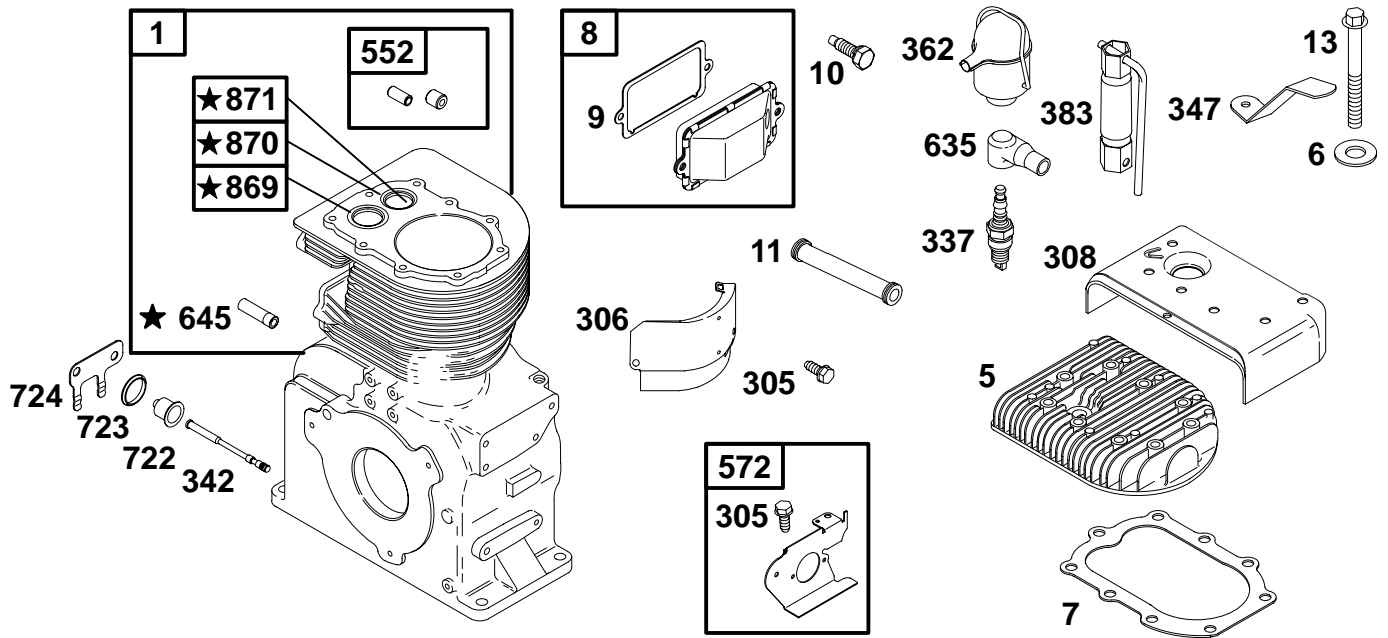
- A. Refer to Engine Model, Type and Code Number that is stamped on the blower housing of engine. Engine type numbers such as 0123 01 are listed only as 0123 in most instances. The two digits (01 or 02, etc.) to the right of the space may be required for more accurate parts identification in some instances. 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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# 233400 to 233499



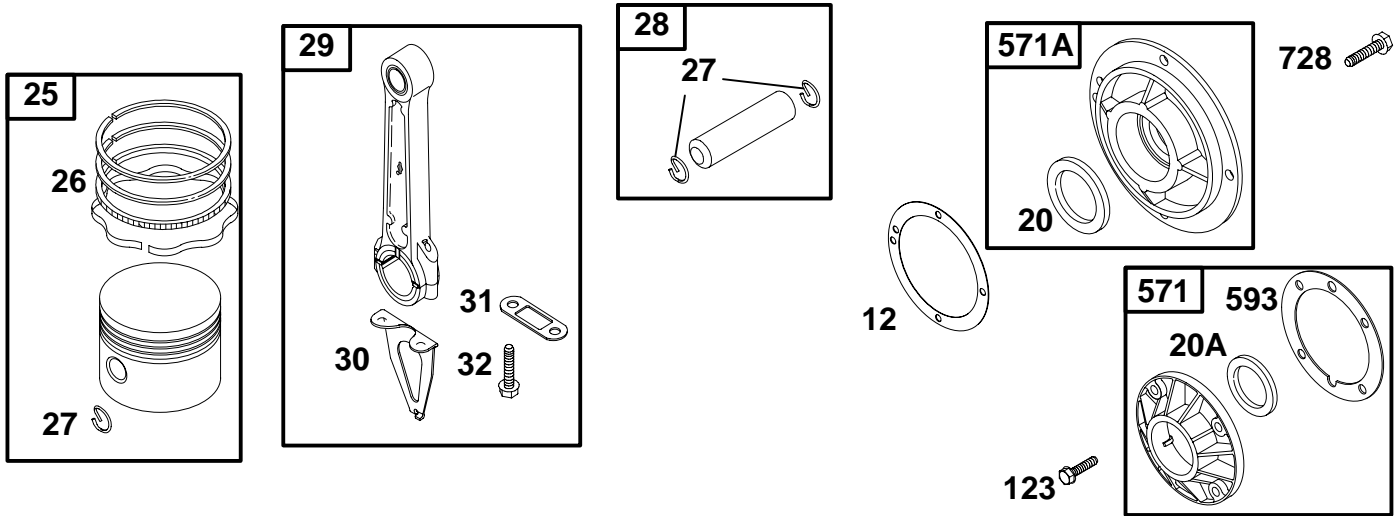
**1019 LABEL KIT** **1058 OWNER'S MANUAL**

★ **REQUIRES SPECIAL TOOLS TO INSTALL. SEE REPAIR INSTRUCTION MANUAL.**

REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	
1	395668	Cylinder Assembly	337	298809	Plug-Spark (1 1/2" High)	362	392273	Shield-Spark Plug (With Stop Switch)	
5	210580	Head-Cylinder			<b>Note</b>	383	89838	Wrench-Spark Plug	
		<b>Note</b>			492167	Plug-Spark (1 7/8" High)	552	393666	Bushing-Governor-Crank
		211660 Head-Cylinder Used on Type No(s). 0638, 0643, 0647, 0648, 0650, 0652, 1131, 1135, 1137, 1146, 1149, 1150, 2027, 2031, 2527.			802592	Plug-Spark (Resistor Type) (1 7/8" High)	572	291871	Guide-Control Rod
6	22963	Washer-Flat	342	298125	Plunger-Breaker	635	66538	Boot-Spark Plug	
7	★272165	Gasket-Cylinder Head	347	220197	Switch-Stop	645	230775	Bushing-Plunger	
8	495738	Breather Assembly			<b>Note</b>	722	68768	Seal-Plunger	
9	★27803	Gasket-Breather			29372	Switch-Stop Used on Type No(s). 0533, 0640.	723	93516	Retainer-Seal
10	94621	Screw-Hex.			231070	Switch-Stop Used on Type No(s). 0651, 2020, 2021, 2022, 2024, 2030, 2040, 2041, 2061, 2520, 2521, 2522, 2524, 2530, 2540, 2541, 2561.	724	221873	Retainer-Seal
11	68818	Tube-Breather			<b>Note</b>	869	21880	Seat-Valve (Intake)	
13	92674	Screw-Hex.			293739	Switch-Stop (For 2" High, 51mm Spark Plug)	870	21612	Seat-Valve (Exhaust)
		<b>Note</b>			390785	Switch-Stop Used on Type No(s). 0652, 1131.	871	231218	Bushing-Guide (Exhaust)
		94926 Screw-Hex. Used on Type No(s). 1130, 1144, 1147, 1154, 1155.					1019	491256	Label Kit
305	94786	Screw-Hex.					1058	270373	Owner's Manual Nonemission Engines
306	22951	Shield-Cylinder							
308	291866	Cover-Cylinder							

★ Included in Gasket Set-See Ref. No. 291728.

● Included in Carburetor Kit-Part No. 395670.

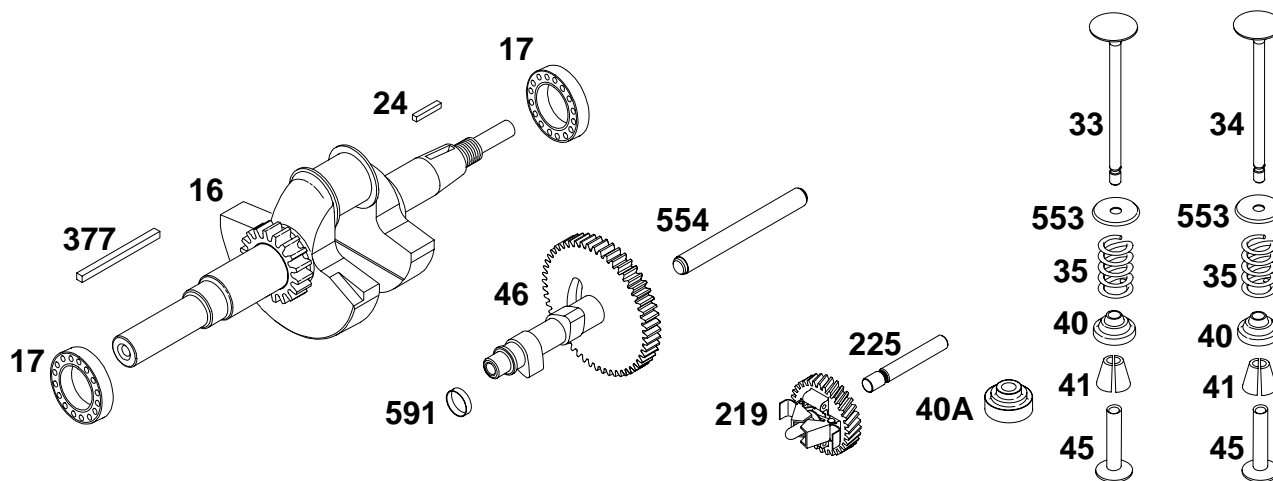


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
12	★270789	Gasket-Bearing Support	27	68546	Lock-Piston Pin	571A	291665	Support-Bearing (Ball Bearing)
20	★291675	Seal-Oil	28	298401	Pin-Piston (Standard)			<b>Note</b>
20A	★391086	Seal-Oil			<b>Note</b>			291283 Support-Bearing (Plain Bearing)
25	294676	Piston Assembly (Standard)	29	298400	Rod-Connecting (Standard)			Used on Type No(s). 1143.
		<b>Note</b>			<b>Note</b>			291710 Support-Bearing (Ball Bearing)
		294677 Piston Assy. (.010" O.S.)			390304 Rod-Conn. (.020" Undersize)			Used on Type No(s). 0631, 0634, 0638, 0651, 1136, 1144, 1145, 1146, 1153, 1155.
		294678 Piston Assy. (.020" O.S.)	30	220805	Dipper-Conn. Rod	593	★27349	Gasket-Bearing Support (.020" Thick)
		294679 Piston Assy. (.030" O.S.)	31	22946	Lock-Rod Screw			<b>Note</b>
26	292100	Ring Set (Standard)	32	230557	Screw-Conn. Rod			★27374 Gasket-Bearing Support (.005" Thick)
		<b>Note</b>	123	93415	Screw-Hex.			★27375 Gasket-Bearing Support (.009" Thick)
		298746 Ring Set (Chrome Standard)	571	291672	Support-Bearing	728	94627	Screw-Hex.
		292101 Ring Set (.010" O.S.)			<b>Note</b>			
		292102 Ring Set (.020" O.S.)			291662 Support-Bearing			Used on Type No(s). 1143.
		292103 Ring Set (.030" O.S.)						

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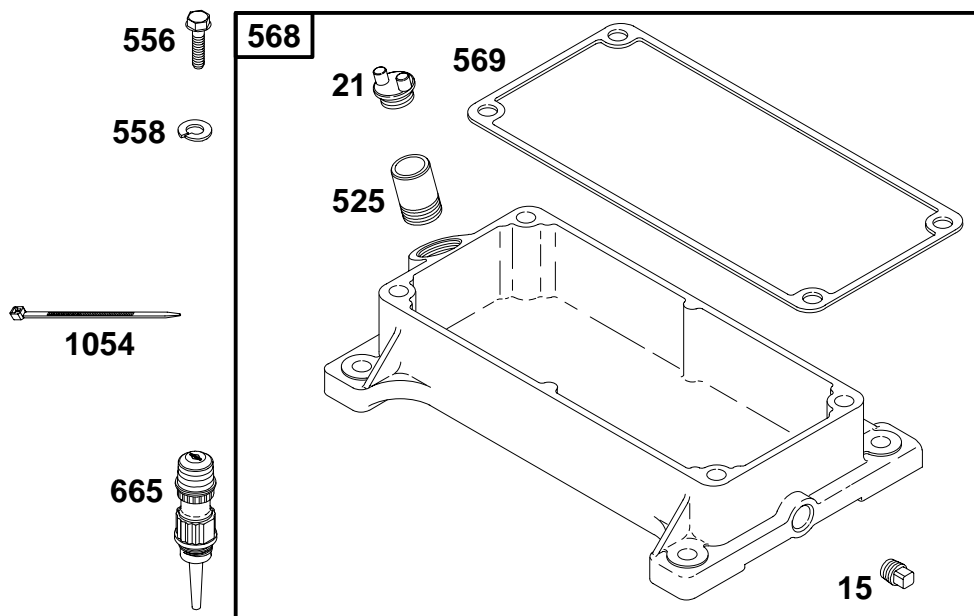
# 233400 to 233499



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION		
16	260761	Crankshaft <b>Note</b> <b>260134</b> Crankshaft Used on Type No(s). 0631. <b>260760</b> Crankshaft Used on Type No(s). 0632, 0638, 0650, 0651, 1137, 1138, 1144, 1153, 1155, 2021, 2521. <b>260762</b> Crankshaft Used on Type No(s). 0634, 0642, 1136, 2026, 2526. <b>260763</b> Crankshaft Used on Type No(s). 0643, 0647, 1146, 1149, 2024, 2524. <b>260764</b> Crankshaft Used on Type No(s). 0533, 0616, 0641, 0644, 0646, 1116, 1133, 1142, 1148, 1151, 1156, 2030, 2031, 2530, 2531.			<b>260765</b> Crankshaft Used on Type No(s). 2040, 2540. <b>260804</b> Crankshaft Used on Type No(s). 2022, 2522. <b>260807</b> Crankshaft Used on Type No(s). 1143. <b>261422</b> Crankshaft Used on Type No(s). 1154, 2061, 2561. <b>261458</b> Crankshaft Used on Type No(s). 0636, 0640, 0645, 1139, 1141, 1152, 2041, 2541. <b>261548</b> Crankshaft Used on Type No(s). 1145. <b>262029</b> Crankshaft Used on Type No(s). 1150.					<b>17</b> 291667 Bearing-Ball <b>24</b> 222698 Key-Flywheel <b>33</b> 394436 Valve-Exhaust <b>34</b> 394434 Valve-Intake <b>35</b> 65906 Spring-Valve <b>40</b> 292260 Retainer-Valve <b>40A</b> 68293 Retainer-Valve <b>41</b> 494553 Keeper-Valve <b>45</b> 26670 Tappet-Valve <b>46</b> 211335 Gear-Cam <b>219</b> 393720 Gear-Governor <b>225</b> 393467 Shaft-Governor Gear <b>377</b> 91540 Key-Drive Pulley <b>553</b> 62222 Seat-Valve Spring <b>554</b> 66203 Shaft-Cam Gear <b>591</b> 65932 Plug-Camshaft

★ Included in Gasket Set—See Ref. No. 291728.

● Included in Carburetor Kit—Part No. 395670.

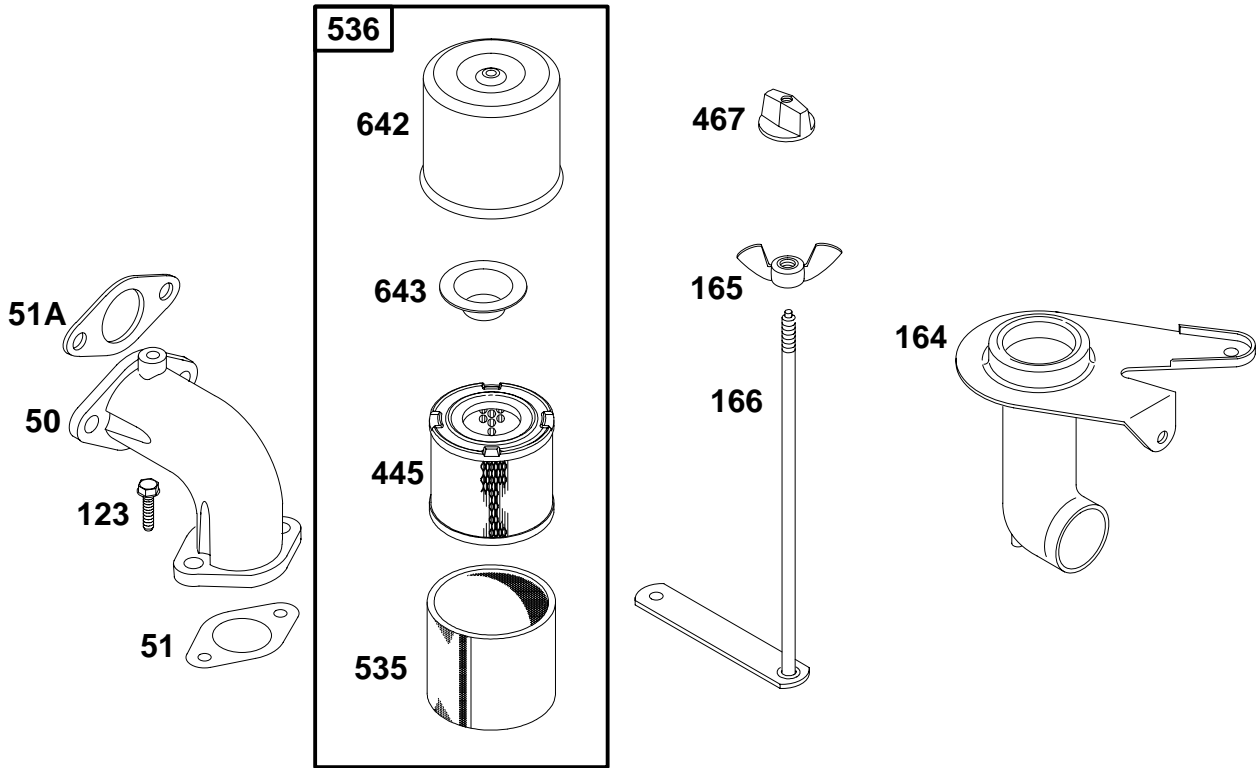


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
15	94239	Plug—Oil Drain	568	291404	Base—Engine	569	★27351	Gasket—Base
21	66768	Cap—Oil Fill			<b>Note</b>			<b>Note</b>
525	230472	Pipe—Oil		294751	Base—Engine			27551 Gasket—Base
		<b>Note</b>			Used on Type No(s).			Used on Type No(s).
		230470 Pipe—Oil			0641, 1142.			0640, 2040.
		Used on Type No(s).			298866 Base—Engine	665	298860	Minder—Oil
		1143.			Used on Type No(s).	1054	280275	Tie—Cable
556	94724	Screw—Hex.			0533, 0640.			
558	92268	Washer—Lock (Used Before Code Date 92100500).						

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● Included in Carburetor Kit—Part No. 395670.



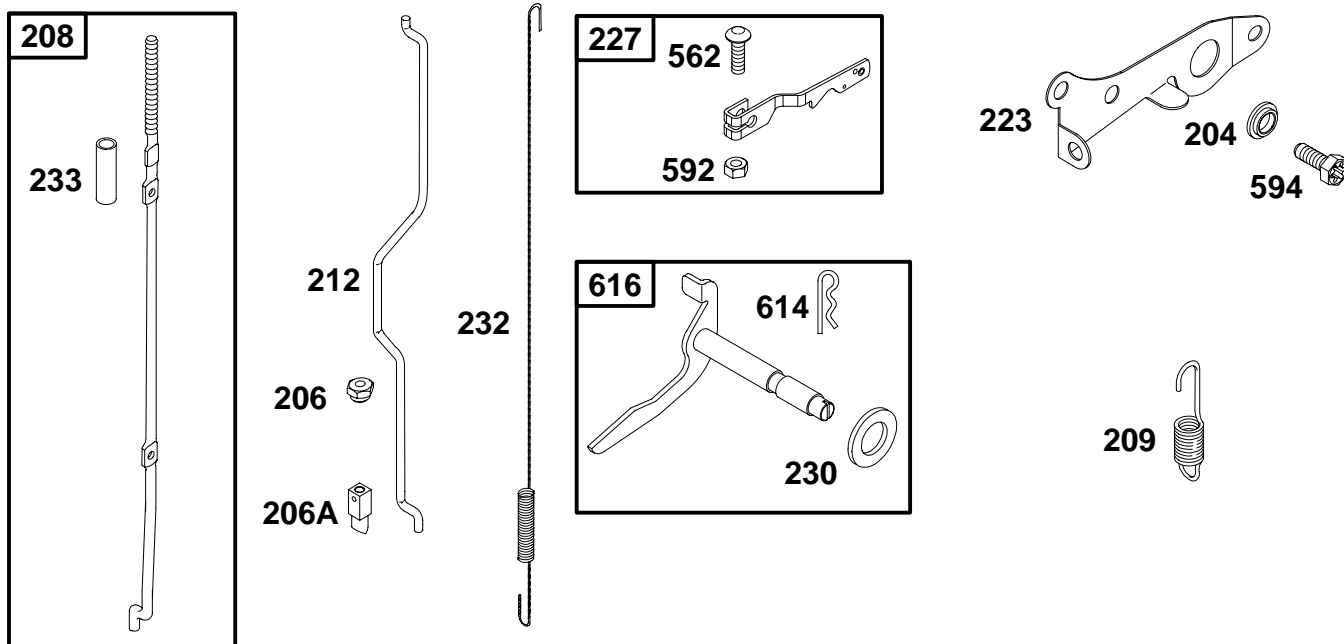


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
50	21920	Manifold-Intake	166	394579	Stud-Air Cleaner	642	222271	Cover-Air Cleaner
51	★270684	Gasket-Intake			<b>Note</b>			<b>Note</b>
51A	★27381	Gasket-Intake			295947 Stud-Air Cleaner			497158 Cover-Air Cleaner
123	93415	Screw-Hex.			Used on Type No(s). 0533.			Used on Type No(s). 0533.
164	299504	Pipe-Air Cleaner	445	393957	Filter-Air	643	222272	Retainer-Air Filter
		<b>Note</b>	467	493903	Knob-Air Cleaner			<b>Note</b>
	299694	Pipe-Air Cleaner	535	271794	Filter-Precleaner			280002 Retainer-Air Filter
		Used on Type No(s). 0533.	536	391063	Cleaner-Air			Used on Type No(s). 0533.
165	94289	Nut-Wing						

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● Included in Carburetor Kit-Part No. 395670.

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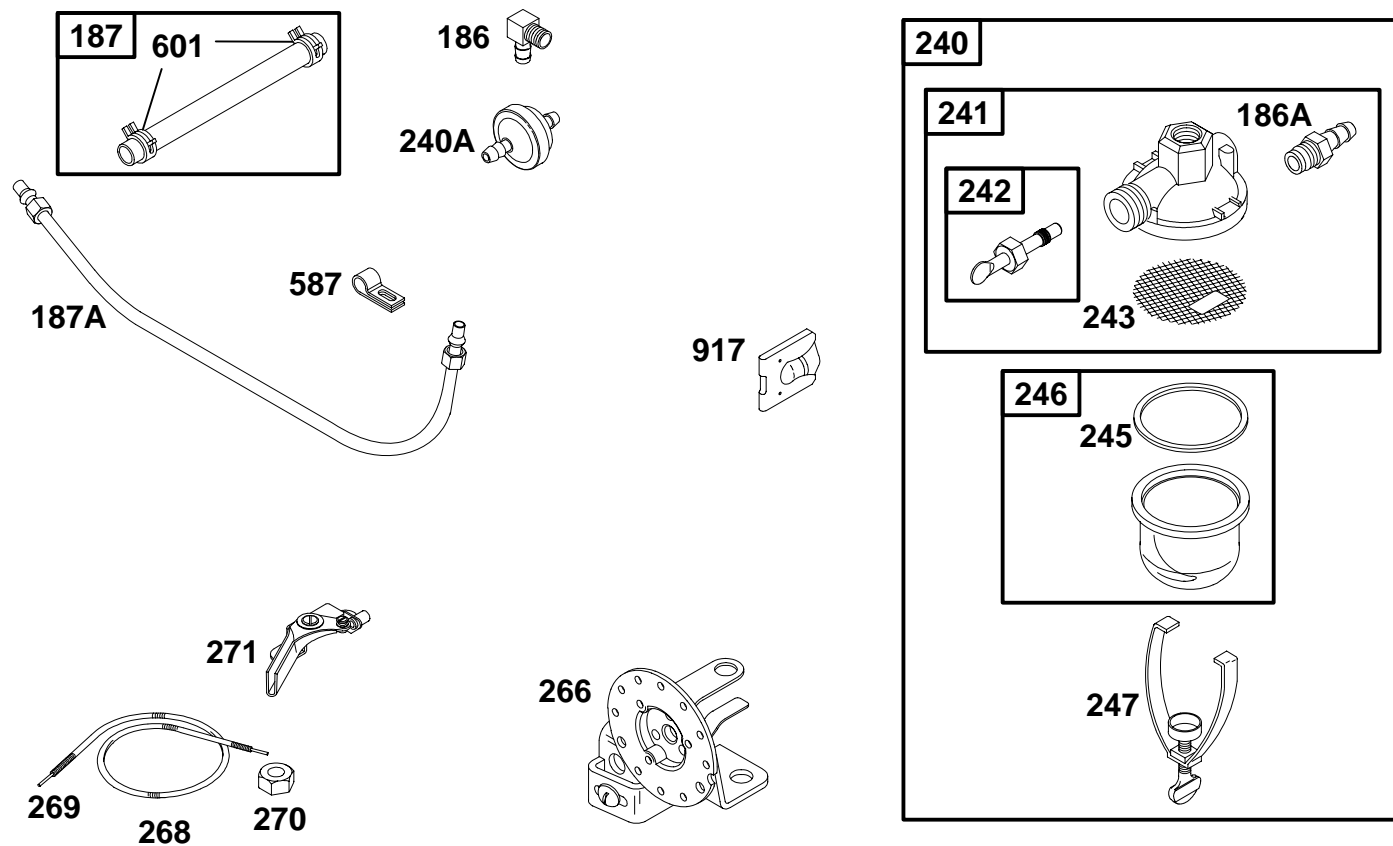


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
204	23849	Collar-Bell Crank	227	291365	Lever-Governor	230	22826	Washer-Flat
206	93422	Nut-Hex.			<b>Note</b>	232	260584	Spring-Link
206A	21772	Nut-Governor Adjusting			298399 Lever-Gov. Used on Type No(s). 1111, 1133, 1136, 1164, 1170, 2520, 2528, 2561, 2580.	233	93879	Spacer
208	393613	Rod-Gov. Control				562	92613	Bolt-Governor Lever
209	26764	Spring-Governor				592	231082	Nut-Hex.
212	26725	Link-Throttle				594	94905	Screw-Torx® Hex.
223	22814	Crank-Bell (Furnished by Equip. Manufacturer.) Used on Type No(s). 0533, 0640.				614	93306	Pin-Cotter
						616	291364	Crank-Governor

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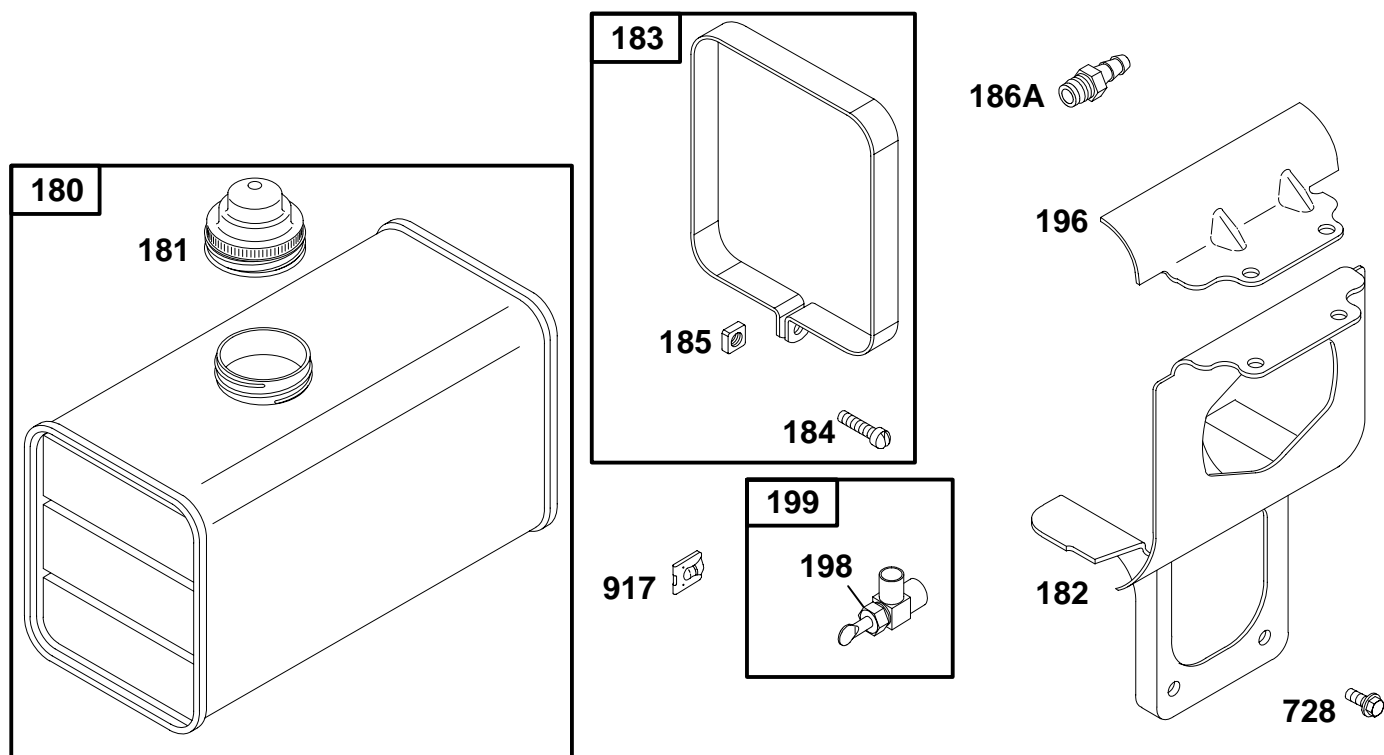


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
186	67218	Connector-Hose (For Flexible Tubing.) ———— <b>Note</b> ———— 63377 Connector-Hose (For Metal Fuel Pipe.)			———— <b>Note</b> ———— 89248 Line-Fuel (Metal, 2 1/4" Long) 92655 Tee/Fuel Pipe Used on Type No(s). 0638, 0643, 0647, 0648, 2027, 2031.			———— <b>Note</b> ———— 99909 Cover-Filter (Used With Metal Fuel Line)
186A	230318	Connector-Hose ———— <b>Note</b> ———— 231238 Connector-Hose (For Metal Fuel Line)			231282 Connector-Hose Used on Type No(s). 0650, 0652, 1131, 1135, 1137, 1146, 1149, 1150, 2527.	242	295913	Valve-Shut-Off
187	296004	Line-Fuel (Cut to Required Length)				243	22547	Screen-Filter
187A	291704	Line-Fuel (Metal 18" Long)	240	393169	Filter-Fuel	245	★68477	Gasket-Bowl
			240A	298090	Filter-Fuel	246	298683	Bowl-Filter
			241	296005	Cover-Filter (Used With Flexible Fuel Line)	247	99665	Yoke-Bowl
						266	494554	Control-Throttle
						268	65616	Casing-Wire (Cut to Required Length)
						269	26633	Wire-Control (Cut to Required Length)
						270	63426	Locknut-Casing
						271	290568	Lever-Control
						587	220162	Clamp-Cable
						601	93053	Clamp-Hose
						917	223271	Handle-Shutoff

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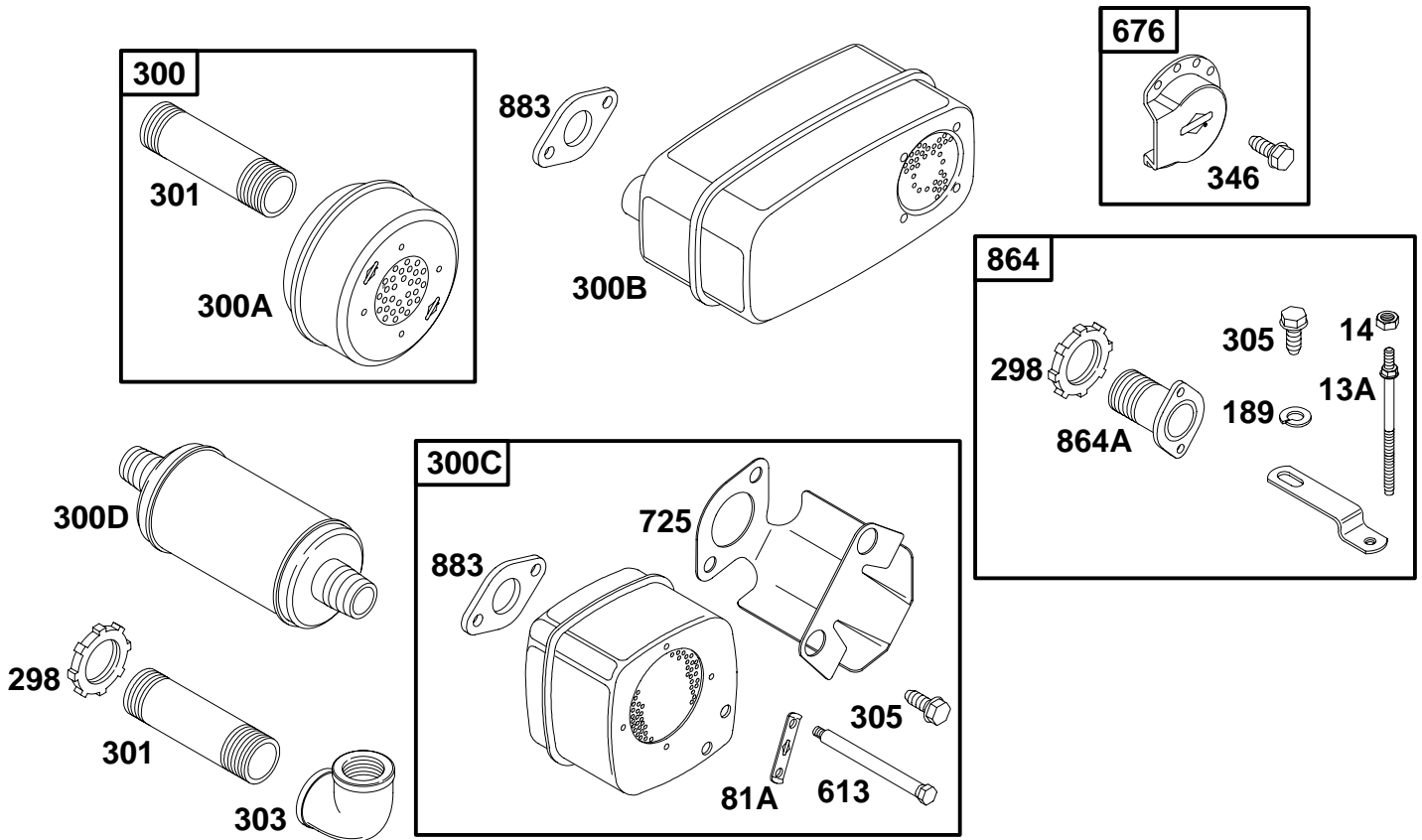
# 233400 to 233499



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
<b>180</b>	<b>291488</b>	Tank-Fuel (6 Quart) <b>Note</b> <b>291513</b> Tank-Fuel (Gasoline-Kerosene) Used on Type No(s). 0638, 0643, 0647, 0648, 0650, 0652, 1131, 1135, 1137, 1146, 1149, 1150, 2027, 2031, 2527, 2531. <b>292415</b> Tank-Fuel (8 Quart) Used on Type No(s). 0533, 0639, 0640, 1134, 1141.	<b>181</b>	<b>392305</b>	Cap-Fuel Tank (Metal)	<b>196</b>	<b>22907</b>	Bracket-Fuel Tank
			<b>182</b>	<b>22813</b>	Bracket-Fuel Tank	<b>198</b>	<b>293934</b>	Screw-Shut-Off
			<b>183</b>	<b>291490</b>	Strap-Fuel Tank	<b>199</b>	<b>297563</b>	Valve-Shut Off
			<b>184</b>	<b>91257</b>	Screw-Slotted	<b>728</b>	<b>94627</b>	Screw-Hex.
			<b>185</b>	<b>90970</b>	Nut-Square	<b>917</b>	<b>223271</b>	Handle-Shut-Off Valve
			<b>186A</b>	<b>230318</b>	Connector-Hose (Used With Flexible Fuel Pipe) <b>Note</b> <b>231238</b> Connector-Hose (For Metal Fuel Line)			

★ Included in Gasket Set-See Ref. No. 291728.

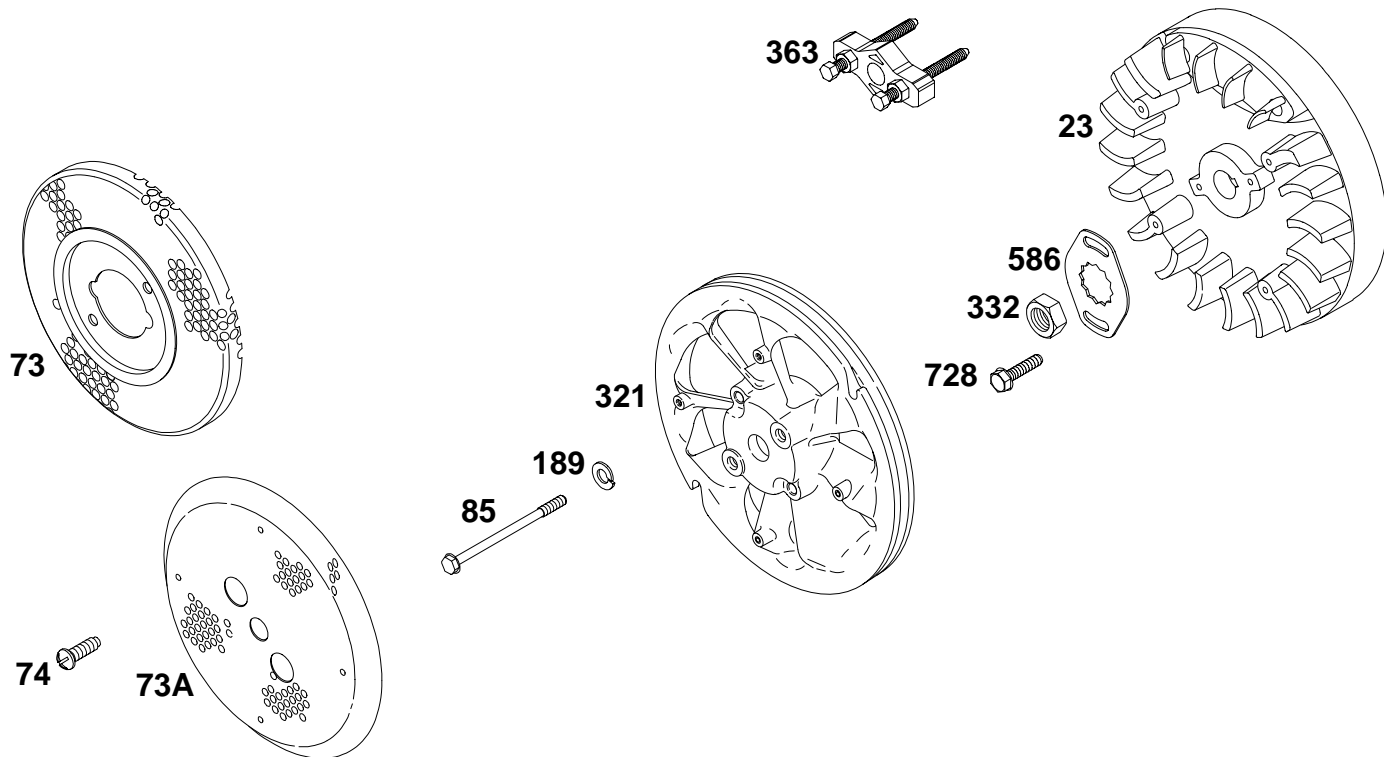
● Included in Carburetor Kit-Part No. 395670.



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
13A	94926	Stud-Hex. Drive	303	91308	Elbow-Exhaust ————— <b>Note</b> ————— 91296 Elbow-Exhaust Used on Type No(s). 1152. 91415 Elbow-Exhaust (45° Pipe) Used on Type No(s). 0533, 0640, 1151, 1152.	305	94786	Screw-Hex.
14	94314	Nut-Hex.				346	93705	Screw-Hex.
81A	223016	Lock-Muffler Screw				613	93927	Screw-Shoulder
189	90366	Washer-Lock				676	393761	Deflector-Muffler
298	261564	Locknut-Muffler				725	223023	Shield-Heat
300	299477	Muffler-Exhaust				864	394584	Adapter-Muffler
300A	392989	Muffler-Exhaust				864A	394337	Adapter-Muffler
300B	493963	Muffler-Exhaust (Super Lo-Tone)				883	★272293	Gasket-Exhaust
300C	399635	Muffler-Exhaust						
300D	291519	Muffler-Exhaust						
301	92107	Pipe-Muffler						

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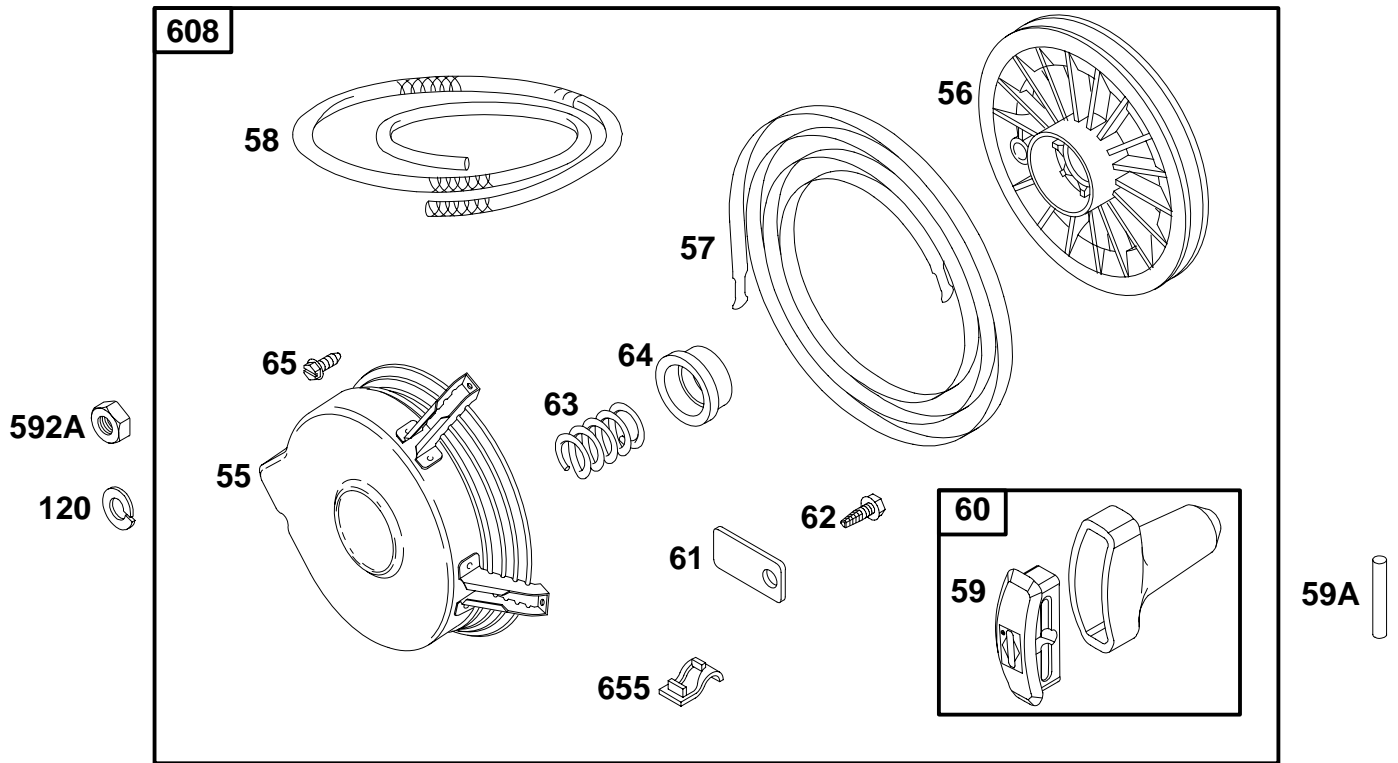
● Included in Carburetor Kit-Part No. 395670.



REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
23	395250	Flywheel <b>Note</b> 391116 Flywheel Used on Type No(s). 0652. 298975 Flywheel (Used with Breaker and Condenser.)	73	392349	Screen-Rotating	321	211555	Fan-Booster
			73A	221851	Screen-Rotating	332	230674	Nut-Flywheel
			74	94626	Screw-Phillips	363	19203	Flywheel Puller
			85	91386	Screw-Hex.	586	22906	Locknut
			189	90366	Washer-Lock	728	94627	Screw-Hex.

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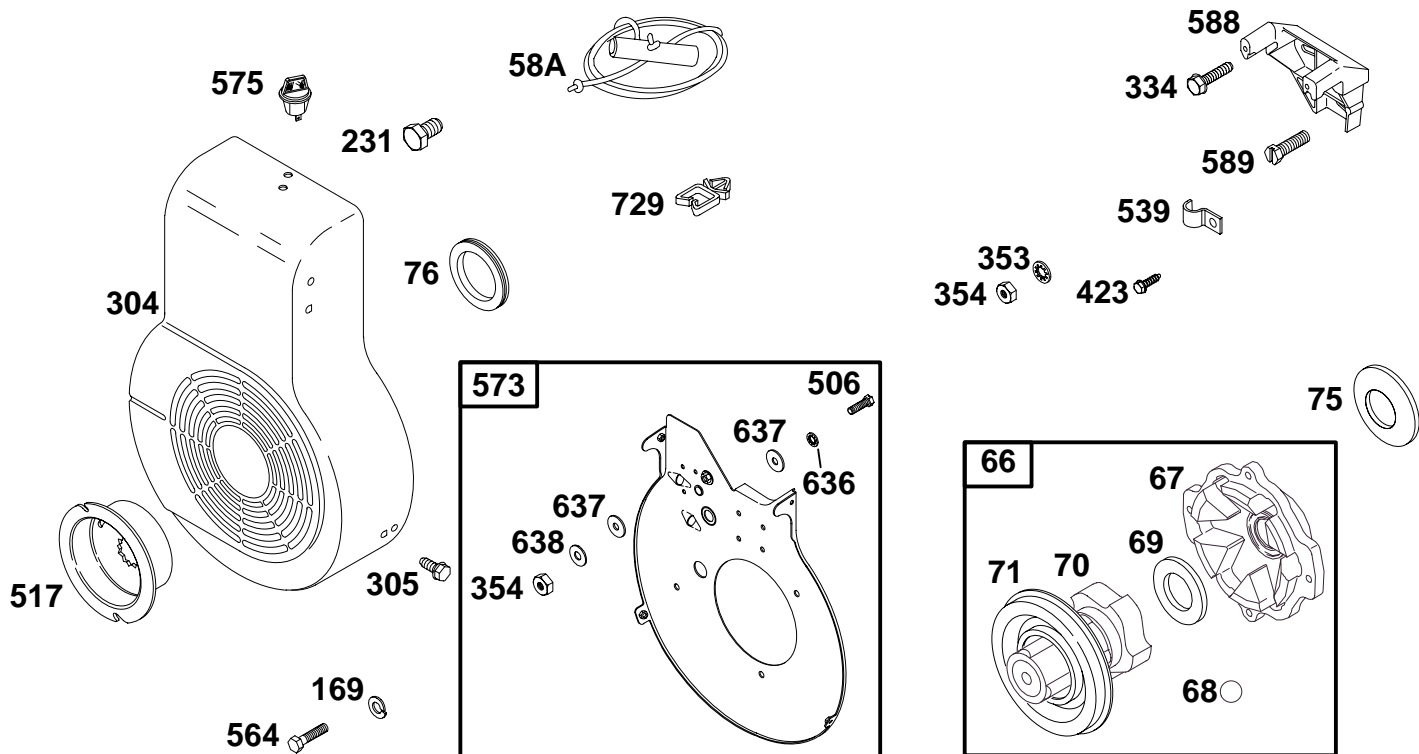


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
55	394229	Housing-Rewind Starter	58	66884	Rope-Starter (63" Long) (For Use With Plastic Pulley)	59	490653	Insert-Grip
56	392630	Pulley-Starter (Includes 63" Rope)			(If Longer Rope is Required, Order 66894 and Cut to Required Length)	59A	230228	Pin-Starter Grip
57	490179	Spring-Rewind Starter				60	490652	Grip-Starter Rope
						61	68848	Bumper-Starter Pulley
						62	93254	Screw-Hex.
						63	260414	Spring-Ratchet
						64	231118	Adapter-Spring
						65	94694	Screw-Slotted Hex.
						608	392677	Starter-Rewind
						655	222598	Anchor-Spring

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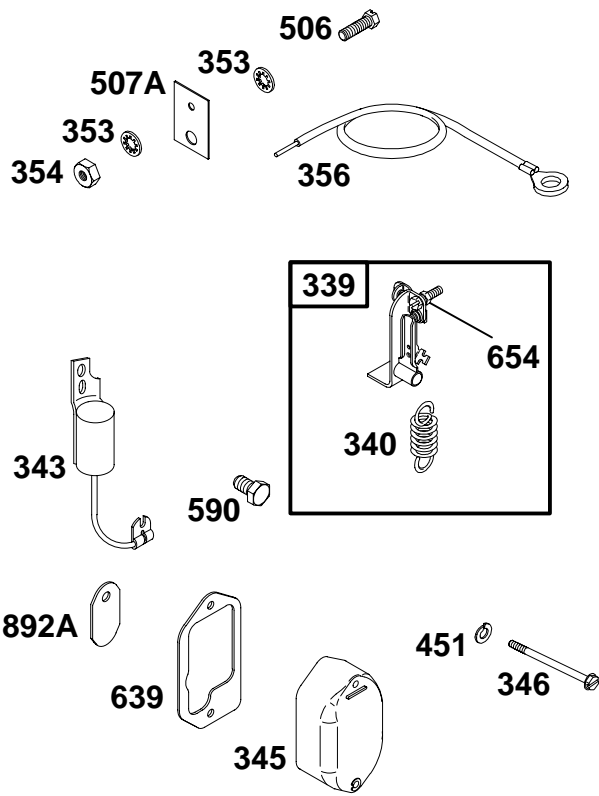
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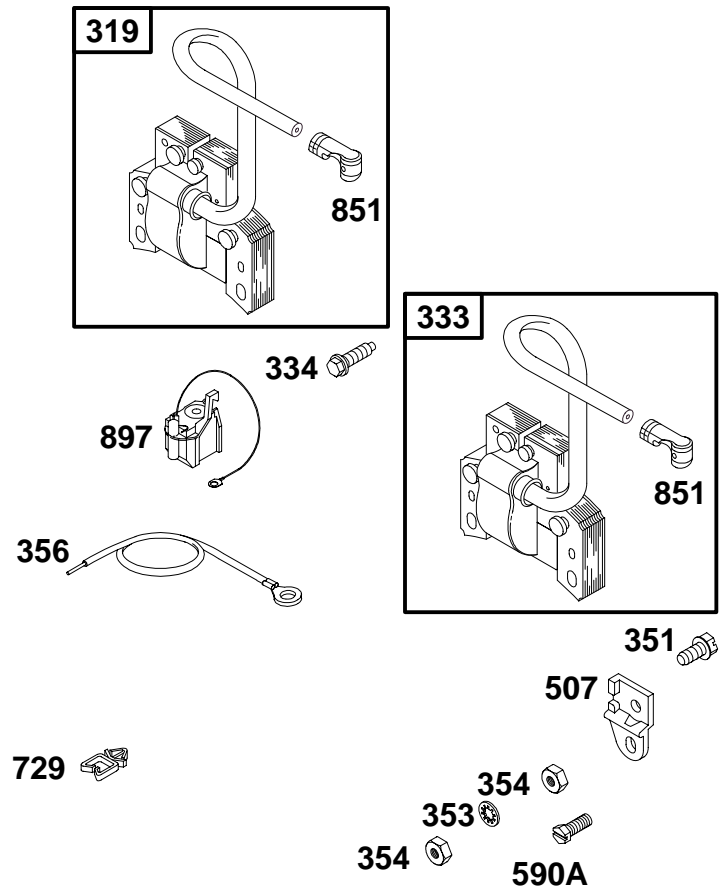
REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
37	223264	Guard-Flywheel Used on Type No(s). 1139, 1156, 1162.	304	291407	Housing-Blower <b>Note</b> 294698 Housing-Blower Used on Type No(s). 0533, 1130, 1147.	353	92791	Washer-Lock
58A	69932	Rope-Starter				354	90576	Nut-Hex.
66	393127	Clutch-Starter				423	93410	Screw-Hex.
67	261455	Housing-Clutch				506	90072	Screw-Slotted
68	63770	Ball-Clutch				517	22809	Pulley-Rope Starter
69	66718	Washer				539	221340	Clamp-Ignition Cable
70	298799	Ratchet-Clutch				564	92980	Screw-Hex.
71	394506	Cover-Ratchet				573	298159	Plate-Back
75	222511	Washer-Flywheel				575	396691	Switch-Rotary
76	68238	Seal				588	211440	Bracket-Armature
169	90832	Washer-Lock				589	93473	Screw-Hex.
231	93042	Screw-Hex.	305	94786	Screw-Hex. (Low Profile)	636	92864	Washer-Lock
			334	94731	Screw-Hex.	637	66154	Washer-Fiber
						638	26404	Washer-Flat
						729	280590	Clip-Wire

★ Included in Gasket Set-See Ref. No. 291728.

● Included in Carburetor Kit-Part No. 395670.



USED BEFORE CODE NO. 81080100.

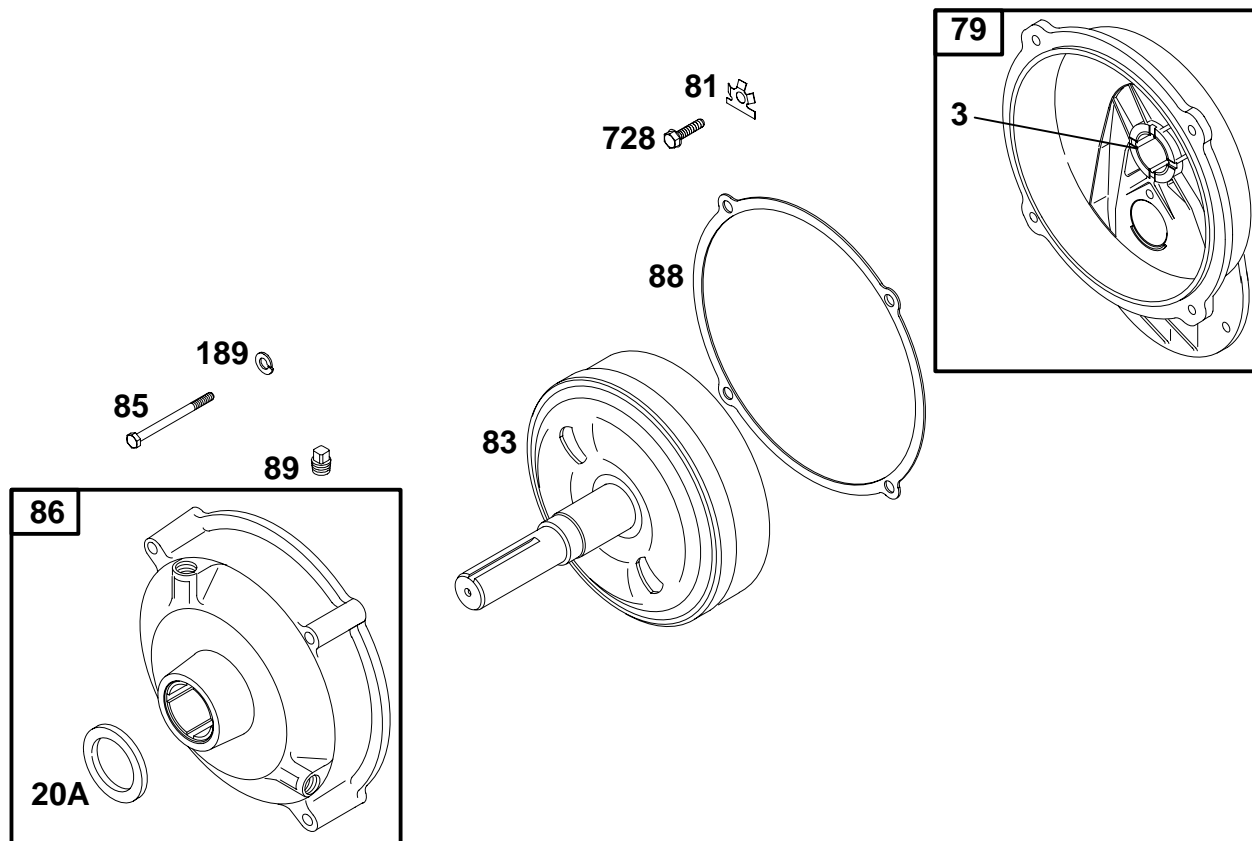


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
319	395326	Armature-Magneto (MAGNETRON® Ignition)	346	93400	Screw-Slotted	521	291508	Shielding-Cable
		(Without Module)	351	93064	Screw-Hex.	590A	93226	Screw-Slotted Hex.
333	398811	Armature-Magneto	353	92791	Washer-Lock	639	★270176	Gasket-Breaker Box
334	94731	Screw-Hex.	354	90576	Nut-Hex.	654	230783	Nut-Lock
339	298185	Breaker-Ignition	356	398808	Wire-Stop	729	280590	Clip-Wire
340	26018	Spring-Breaker Arm	451	90364	Washer-Lock	851	493880	Terminal-Cable
343	298060	Condenser	506	90200	Screw-Slotted	892A	221976	Switch-Stop
345	211327	Cover-Breaker	507	280380	Insulator	897	394970	MAGNETRON® Ignition Kit
			507A	66895	Insulator			

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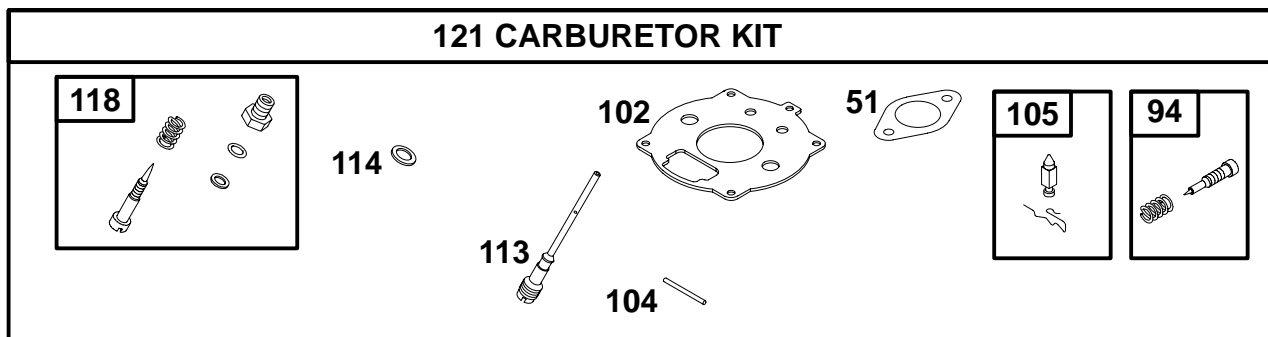
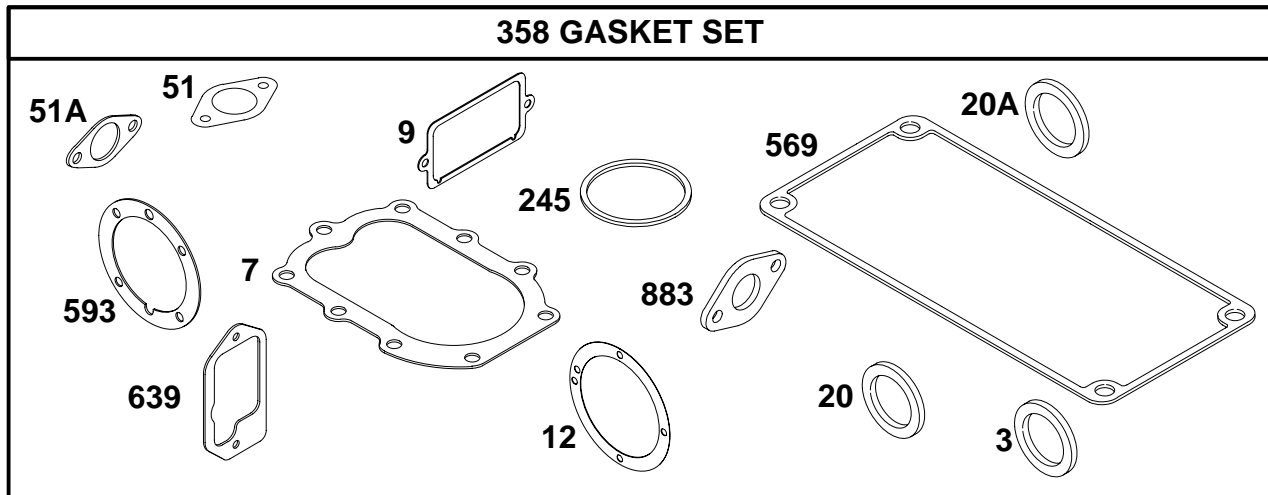


REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
3	★299819	Seal-Oil	83	495985	Shaft Assembly-Drive	86	291354	Cover Assembly-Gear
20A	★391086	Seal-Oil			<b>Note</b>			<b>Note</b>
79	291357	Case-Reduction Gear		290638	Shaft Assembly-Drive		290574	Cover Assembly-Gear
		<b>Note</b>			Used on Type No(s). 2040, 2540.			Used on Type No(s). 2040, 2540.
		291712 Case-Reduction Gear	85	91386	Screw-Hex.	88	27328	Gasket-Cover
		Used on Type No(s). 2040, 2540.			<b>Note</b>			<b>Note</b>
81	220790	Lock-Screw Head		94922	Screw-Hex.	89	91488	Plug-Oil
					Used on Type No(s). 2040, 2540.	189	90366	Washer-Lock
						728	94627	Screw-Hex.

★ Included in Gasket Set-See Ref. No. 291728.

● Included in Carburetor Kit-Part No. 395670.





REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION	REF. NO.	PART NO.	DESCRIPTION
3	★299819	Seal-Oil	104	●230896	Pin-Float Hinge	593	★27349	Gasket-Bearing Support (.020" Thick)
7	★272165	Gasket-Cylinder Head	105	●394681	Valve-Needle	<b>Note</b> ★27374 Gasket-Bearing Support (.005" Thick)		
9	★27803	Gasket-Breather	113	●395208	Nozzle-Carburetor			
12	★270789	Gasket-Cover	114	●68667	Gasket-Nozzle	★27375 Gasket-Bearing Support		
20	★291675	Seal-Oil	118	●99525	Valve-High Speed	639	★270176	Gasket-Breaker Box
20A	★391086	Seal-Oil	121	395670	Carburetor Kit	883	★272293	Gasket-Exhaust
51	★270267	Gasket-Intake	245	★68477	Gasket-Bowl			
51A	★27381	Gasket-Intake	358	291728	Gasket Set			
94	●292681	Valve-Idle Adjustment	569	★27351	Gasket-Base			
102	●27034	Gasket-Carb. Body						

★ Included in Gasket Set-See Ref. No. 291728.

● Included in Carburetor Kit-Part No. 395670.

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