

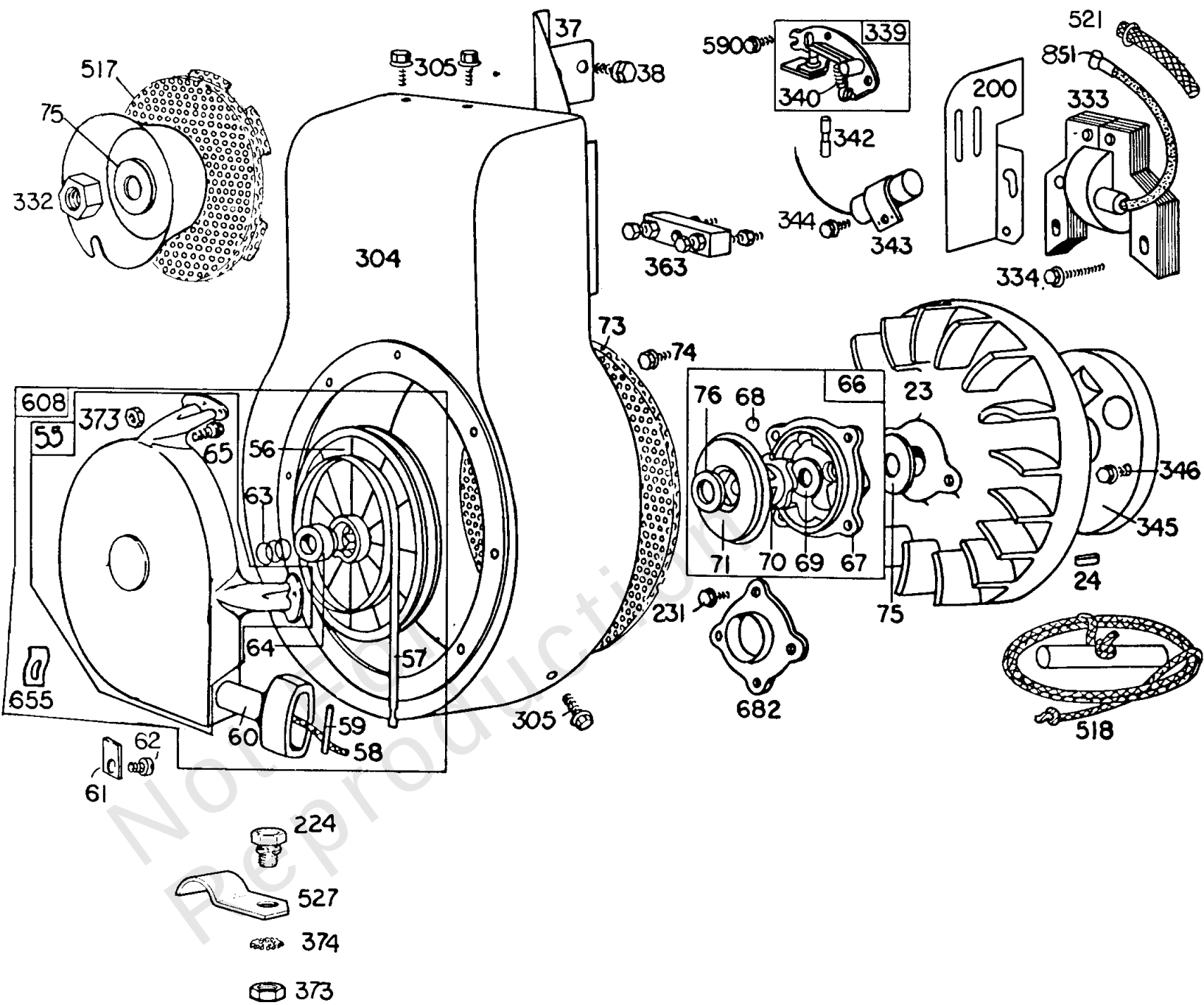


Parts Manual

Mfg. No: 170402-0173-99

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Not For
Reproduction

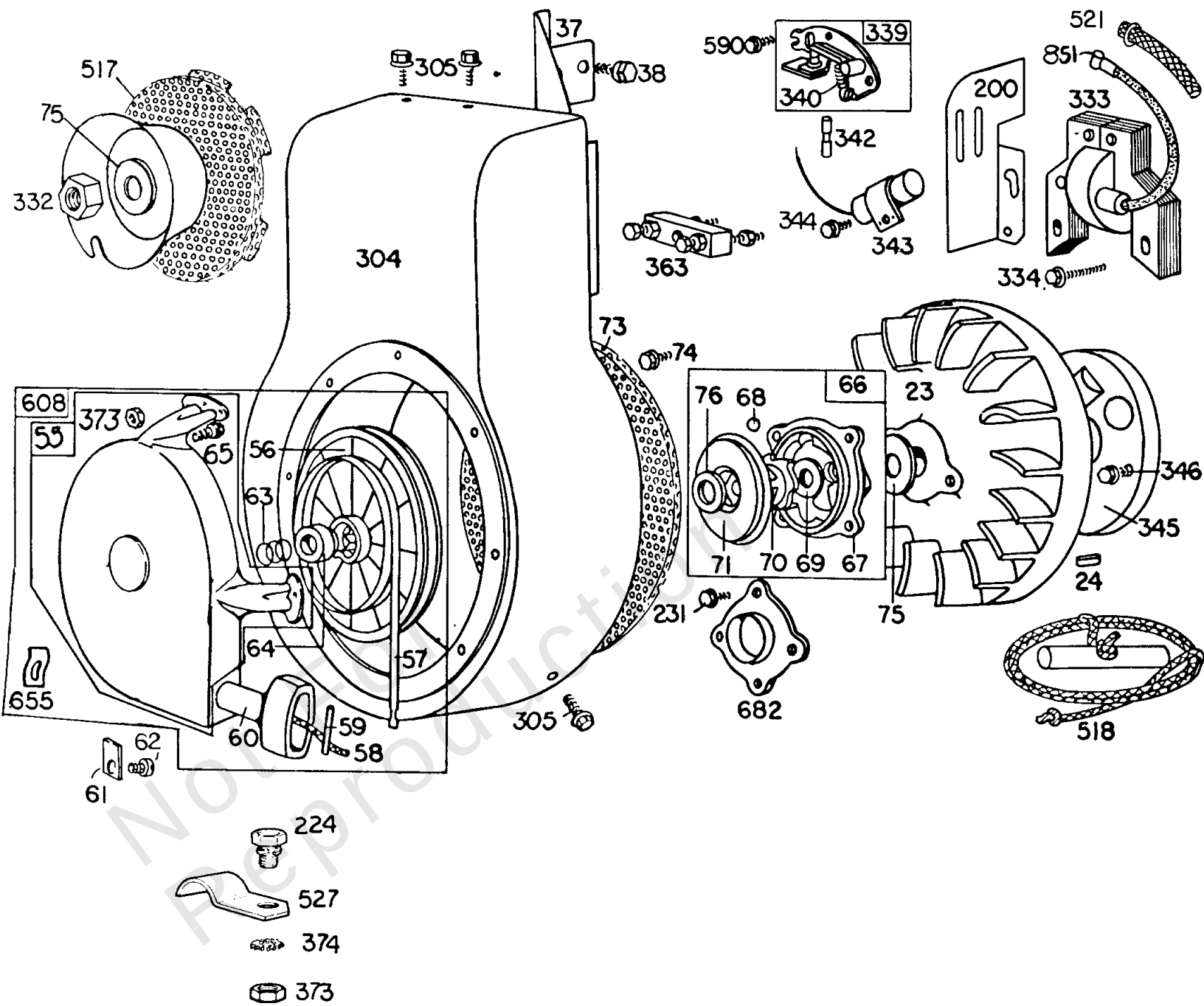


Blower Hsg,Rewind,Electrical

REF NO	PART NO	QTY	DESCRIPTION
23	298260		FLYWHEEL
24	61760		KEY, Flywheel -(Breaker Ignition)
55	393576		HOUSING, Rewind Starter
56	295871		PULLEY, Starter -(63 Rope) If longer rope is required, order No. 66894 and cut to length.
57	294303		SPRING, Rewind Starter
58	66564		ROPE, Starter -(63 Rope) If longer rope is required, order No. 66574 and cut to length.
58	66884		ROPE, Starter -(Cut To Required Length) If longer rope is needed, order No. 66894 and cut to length.
59	230228		PIN, Starter Grip
60	66728		GRIP, Starter Rope
61	68848		BUMPER, Starter Pulley
62	93254		SCREW -(Pulley)
63	260414		SPRING, Ratchet
64	230543		ADAPTER, Ratchet Spring
65	230796		NUT
65	92290		WASHER
65	93067		SCREW -(3/8)
65	93163		SCREW -Used Before Code Date 6905011
65	93420		SCREW -(3/4)
65	93572		SCREW -(10-32 X 3/8) -Used After Code Date 6904301
66	298798		CLUTCH, Starter -(Rewind Starter)
67	212132		HOUSING, Clutch
68	63770		BALL, Clutch
69	66718		WASHER -(1-1/16 O.D. X 17/32 I.D.) (1 1/16 O.D. X 17/32 I.D.)
70	298799		RATCHET, Clutch -(engine W/Ring Gear on FW equipped for Elec Start)
71	221653		WASHER
73	221796		SCREEN, Rotating
74	93042		SCREW
74	93381		SCREW
74	93705		SCREW -(8-32 X 3/8)
75	220865		WASHER -(Heavy Flywheel)
76	68238		SEAL, Ratchet
200	221760		GUIDE, Air
224	93067		SCREW -(3/8)
231	93064		SCREW
304	299853		HOUSING, Blower
305	93158		SCREW -(1/4-20 X 5/8)

Footnotes:

For use only with Starter Motors with Plastic Drive Gear

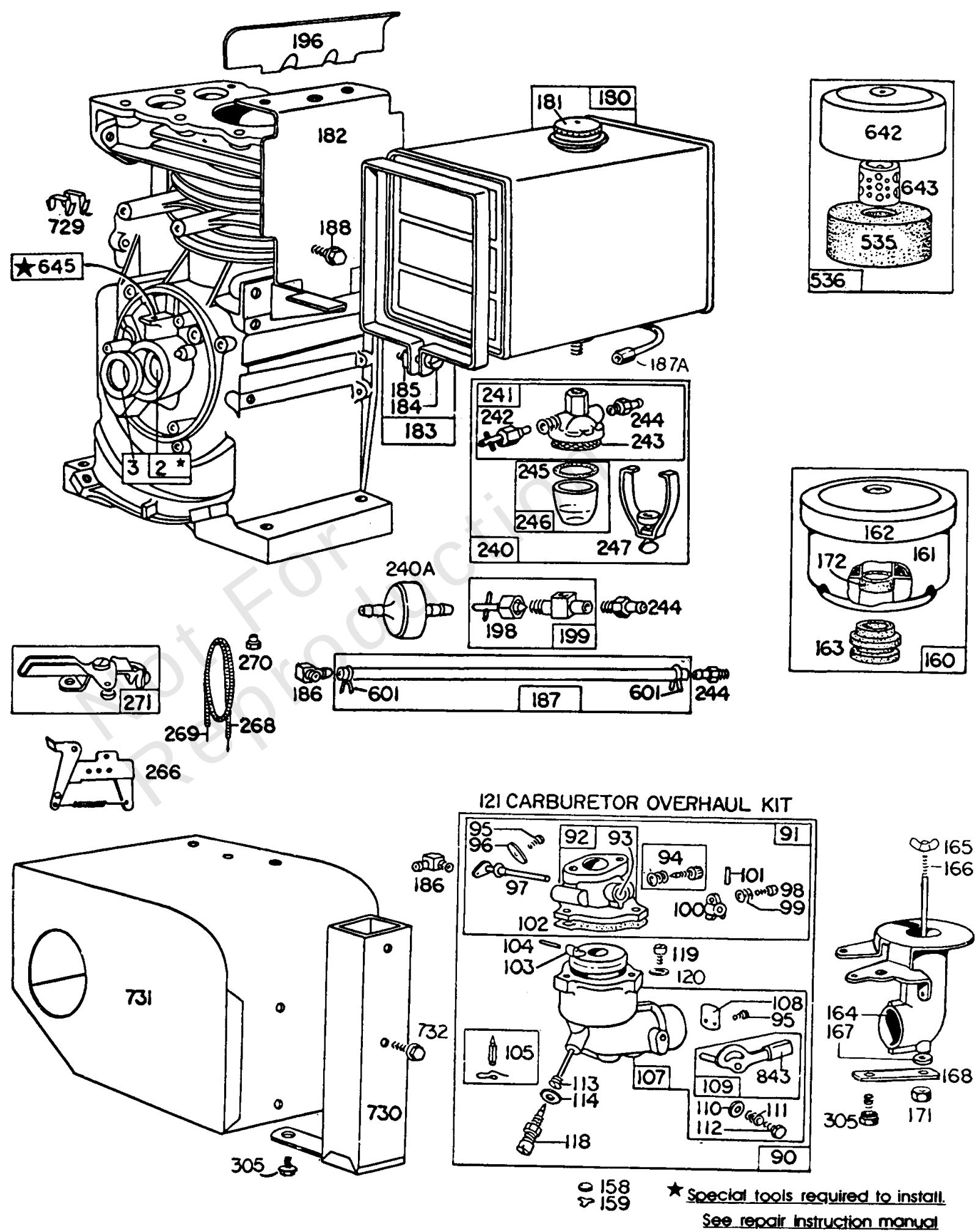


Blower Hsg,Rewind,Electrical

REF NO	PART NO	QTY	DESCRIPTION
332	92284		NUT -(Flywheel)
333	298968		ARMATURE, Magneto -(Breaker Ignition)
334	93381		SCREW
339	29667		BREAKER, Ignition
340	26018		SPRING, Breaker Arm
342	65704		PLUNGER, Breaker
343	29861		CONDENSER
344	93370		SCREW -(Condenser)
345	221046		COVER, Breaker
346	93705		SCREW -(8-32 X 3/8)
363	19165		PULLER, Flywheel
373	92987		STARTER, Rewind
374	93917		WASHER
517	295423		PULLEY, Rope Starter
518	69932		GRIP, Starter Rope
521	298529		SHIELD, Protective
527	221428		CLAMP, Tube
590	93226		SCREW
608	390391		STARTER, Rewind -For Starter Assembly with longer than standard rope (63) order No. 298107
655	221014		ANCHOR, Rewind Spring
655	222598		ANCHOR, Rewind Spring -(Stamped Rewind Housing)
682	211516		SHIELD, Starter
682	211521		CLUTCH, Starter -Uses: 93381 Screw
851	221798		TERMINAL, Spark Plug

Footnotes:

For use only with Starter Motors with Plastic Drive Gear

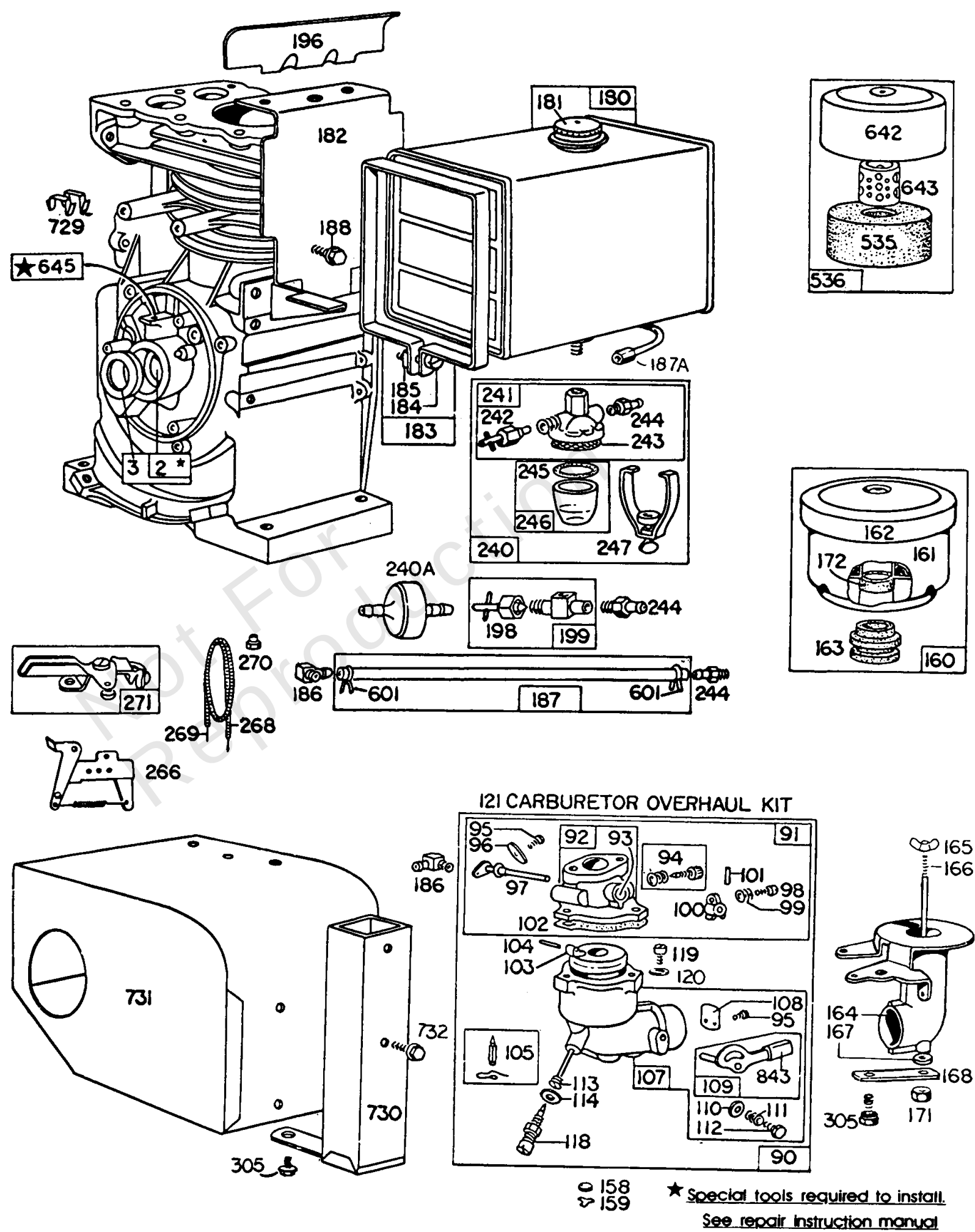


Carburetor, Fuel Tank, Sno-Gard

REF NO	PART NO	QTY	DESCRIPTION
2	295962		KIT, Bushing/Seal
3	294606		SEAL, Oil
90	299169		CARBURETOR -(Manual Choke)
91	299171		BODY, Upper Carburetor
92	295858		BODY, Upper Carburetor
93	23108		BUSHING, Throttle Shaft
94	292681		VALVE, Idle Mixture -Included in Carburetor Overhaul Kit-Part No. 291763
95	93499		SCREW -(Throttle Valve)
96	62940		VALVE, Throttle
97	298826		SHAFT, Throttle
98	91920		SCREW -(8-32 X 5/8)
99	26157		SPRING, Compression
100	61967		STOP, Throttle
101	93043		PIN, Shaft
102	27918		GASKET, Carburetor Body -Included in Carburetor Overhaul Kit-Part No. 291763
103	99333		FLOAT, Carburetor
104	230896		PIN, Float Hinge -Included in Carburetor Overhaul Kit-Part No. 291763
105	299096		KIT, Needle/Seat
107	299170		BODY, Lower Carburetor
108	221835		VALVE, Choke
109	391987		SHAFT, Choke -(Manual)
110	62899		WASHER -(Thermostat)
111	26155		SPRING, Friction
112	23123		SCREW
113	390395		NOZZLE, Carburetor -Included in Carburetor Overhaul Kit-Part No. 291763
114	68667		WASHER -(Viton Seat) Included in Carburetor Overhaul Kit-Part No. 291763
118	99525		VALVE, High Speed -Included in Carburetor Overhaul Kit-Part No. 291763
119	90746		SCREW -(10-32 X 5/8)
119	91359		SCREW -(10-32 X 3/4)
120	92290		WASHER
121	291763		KIT, Carburetor Overhaul
158	27590		PLUG, Carburetor Filter/Drain
159	220521		RETAINER, Carburetor Drain
160	393616		CLEANER, Air
161	296704		CLEANER, Air
162	296270		CLEANER, Air
163	27907		GASKET, Air Cleaner -Included in Gasket Set-Part No. 299577
164	298410		ELBOW, Intake

Footnotes:

For use only with Starter Motors with Plastic Drive Gear

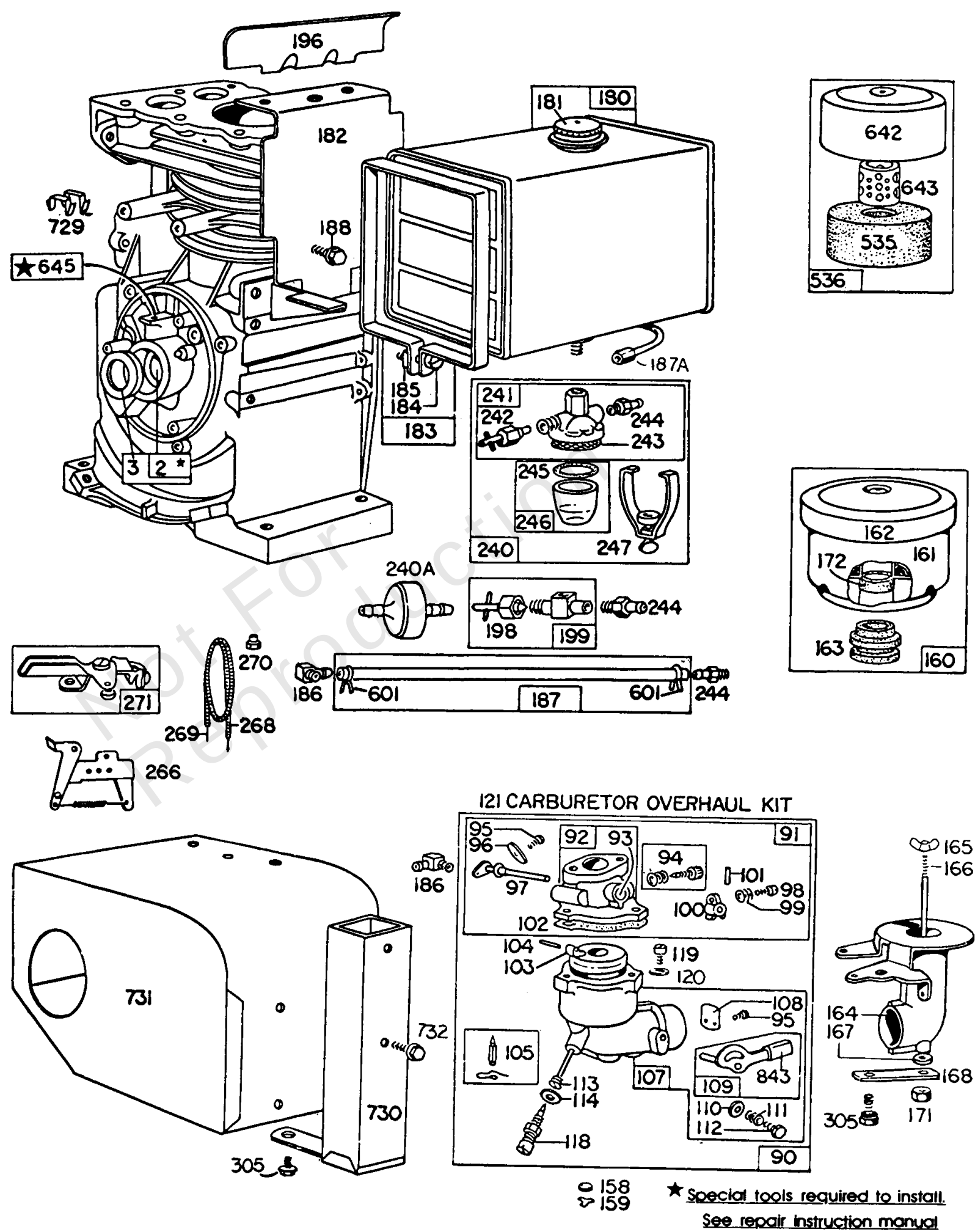


Carburetor, Fuel Tank, Sno-Gard

REF NO	PART NO	QTY	DESCRIPTION
165	93453		NUT
166	230539		STUD -(To Elbow) (6 19/32)
166	230697		STUD -(Carburetor) (6 3/16) Uses: 92278 Nut-Hex.-1/4-20
166	295947		STUD
167	65978		SEAL, O-Ring -(Needle Valve)
168	222707		STUD -(Stud supplied by Equipment Manufacturer)
171	92129		NUT -(1/4-28)
172	27906		GASKET, Air Cleaner -(Air Cleaner)
180	290816		TANK, Fuel -(4 Quart)
181	69221		CAP, Fuel Tank -(1 3/4 O.D. Top)
182	221935		BRACKET, Fuel Tank
183	291367		STRAP, Fuel Tank -(4 Quart)
184	91257		SCREW -(1/4-20 X 1-1/2)
185	90970		NUT -(1/4-20)
186	67218		CONNECTOR, Hose -For Connector for Metal Fuel Pipe order No. 63377
187A	299427		LINE, Fuel -All Fuel Pipes in this group are metal pipes.
187	296004		LINE, Fuel -(Cut To Required Length)
188	93535		SCREW -(5/16-18 X 3/4)
196	22907		BRACKET, Fuel Tank -(8 Quart) (Remote Mount Only)
198	293934		VALVE, Fuel Shut Off
199	297563		OUTLET, Tank
240A	298090		FILTER, Fuel
240	393169		STRAINER, Fuel
241	296005		COVER, Fuel Filter
241	99909		COVER, Fuel Filter -(Metal Fuel Pipe)
242	394388		VALVE, Fuel Shut Off -For Fuel Shut-off and Cover, order Part No. 295913
243	22547		STRAINER, Fuel
244	230318		CONNECTOR, Hose -For Connector for Metal Fuel Pipe, order No. 53029
245	68477		GASKET, Fuel Bowl -Included in Gasket Set-Part No. 299577
246	298683		BOWL, Fuel Filter
247	99665		YOKE, Bowl
266	291460		CONTROL, Throttle -(Disc Type)
268	65616		CASING, Control Wire -(Cut To Required Length)

Footnotes:

For use only with Starter Motors with Plastic Drive Gear

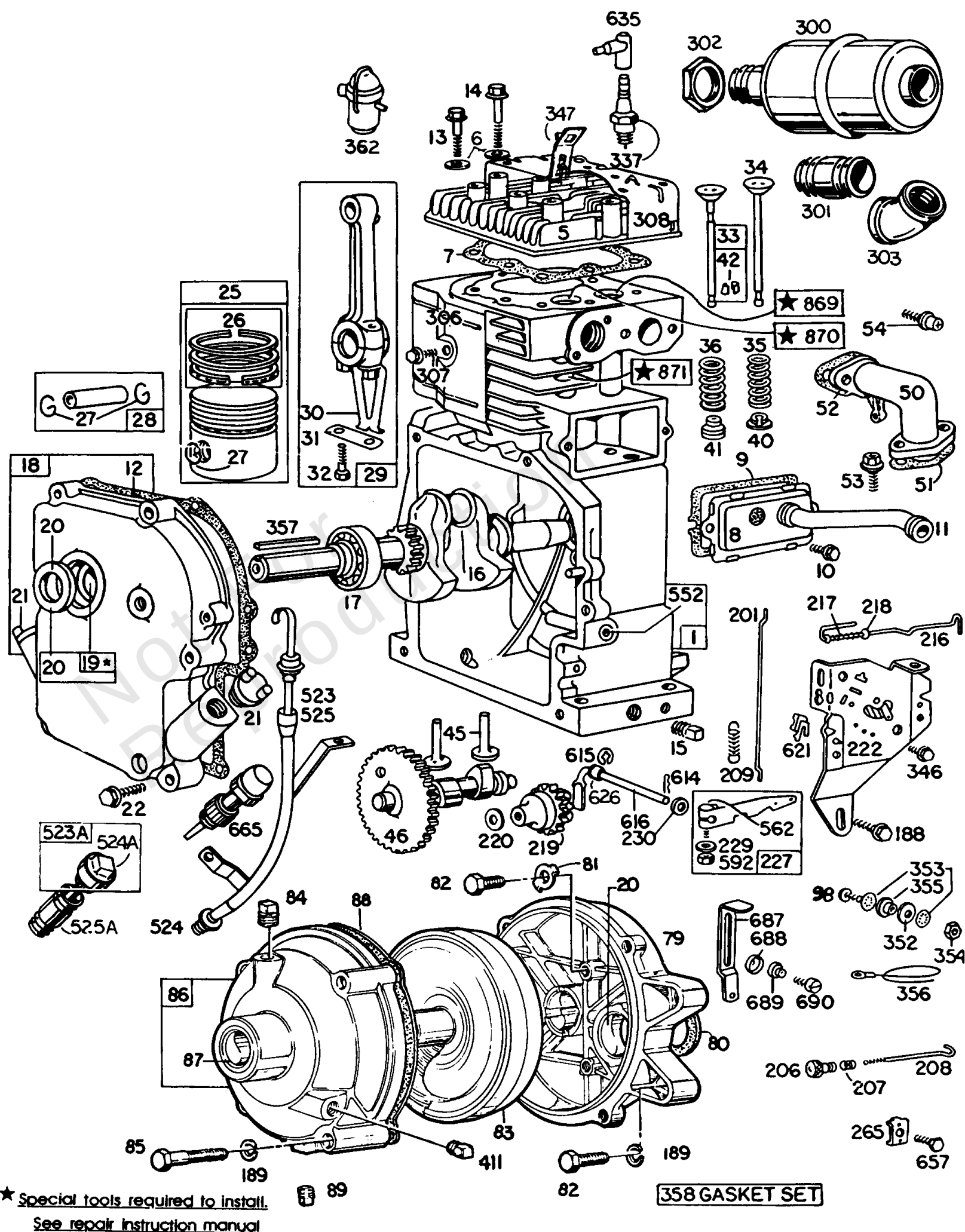


Carburetor, Fuel Tank, Sno-Gard

REF NO	PART NO	QTY	DESCRIPTION
269	26633		WIRE, Control -(Cut To Required Length) If longer wire is required, specify length in inches; if shorter wire is needed, order No. 26633 and cut to required length.
270	63426		NUT -(Control Wire Casing)
271	290568		LEVER, Control
305	93158		SCREW -(1/4-20 X 5/8)
535	270209		FILTER, Air Cleaner Foam
536	299593		CLEANER, Air -Uses: 29707 Gasket (Between Spacer and Air Cleaner Pipe) 221969 Support-Air Cleaner (Between Spacer and Element)
536	393616		CLEANER, Air
601	93053		CLAMP, Hose -(Green)
642	221634		COVER, Air Cleaner
643	280002		CUP, Air Cleaner
645	23513		BUSHING, Plunger -(Used only with Breaker Point Ignition)
729	221907		CLIP, Wire
730	299384		MANIFOLD, Intake
731	299391		HOOD, Snow
732	93490		SCREW -(Rotating Screen)
843	280149		SLEEVE, Lever

Footnotes:

For use only with Starter Motors with Plastic Drive Gear



Cyl,CrankCase,Piston,GearCase

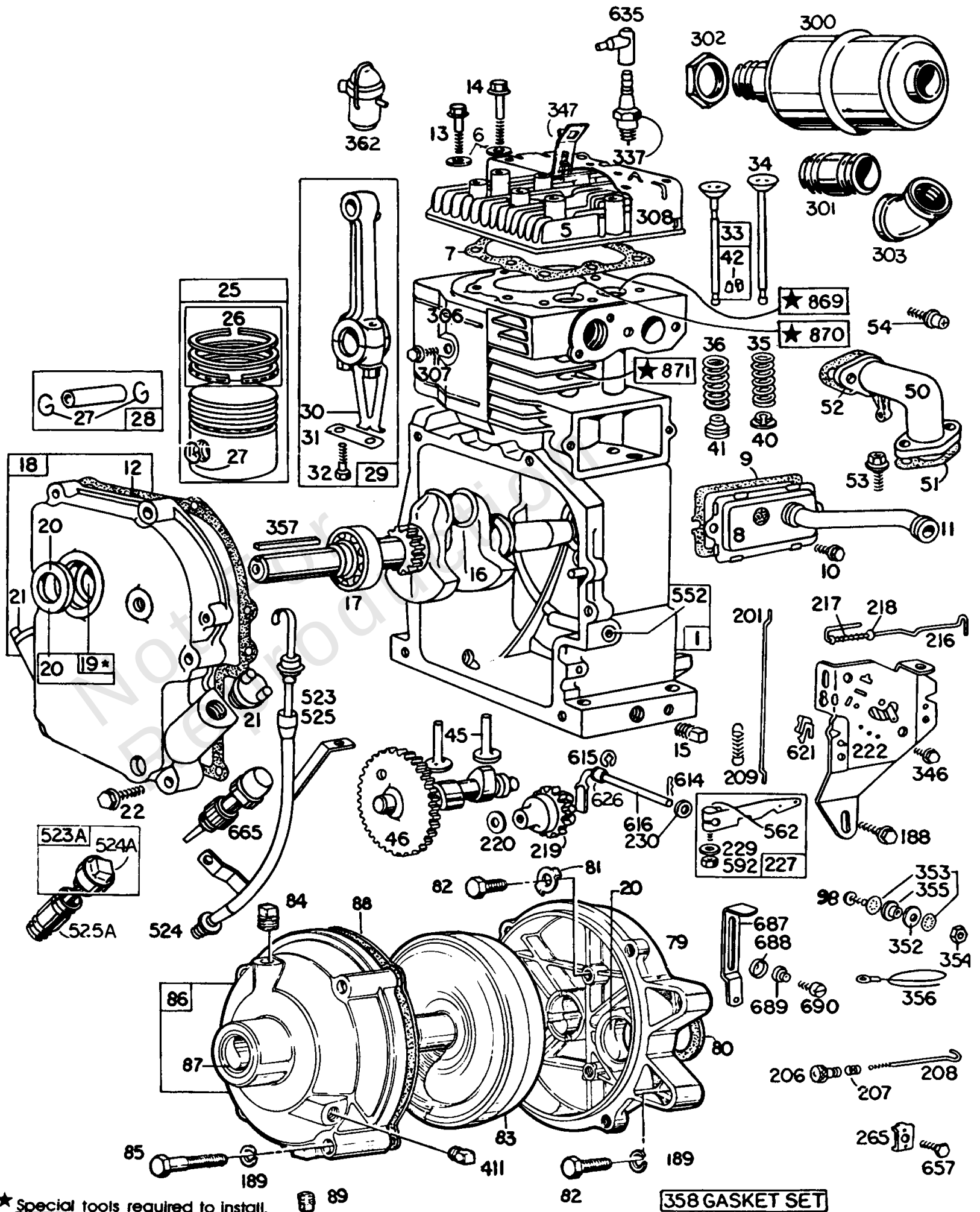
REF NO	PART NO	QTY	DESCRIPTION
1	392001		CYLINDER ASSEMBLY
5	211592		HEAD, Cylinder
6	22963		WASHER
7	270430		GASKET, Cylinder Head -Included in Gasket Set-Part No. 299577
8	294948		BREATHER ASSEMBLY
9	27803		GASKET, Rocker Cover -Included in Gasket Set-Part No. 299577
10	93536		SCREW
11	67068		TUBE, Breather -(Used with Metal Air Cleaner Pipe)
12	27750		GASKET, Crankcase -(1/64) Included in Gasket Set-Part No. 299577
12	27876		GASKET, Crankcase -(.005) Included in Gasket Set-Part No. 299577
12	27877		GASKET, Crankcase -(.009) Included in Gasket Set-Part No. 299577
13	93113		SCREW -(2 5/16) (2-5/16)
14	93211		SCREW -(5/16-18 X 2-21/32)
15	91084		PLUG, Oil Drain -(3/8)
16	260607		CRANKSHAFT
17	29530		BEARING, Ball
18	299167		COVER, Crankcase
19	295964		KIT, Bushing/Seal -(PTO Side)
20	298423		SEAL, Oil
21	66768		PLUG, Oil
22	93585		SCREW -(Crankcase Cover)
25	299566		PISTON ASSEMBLY -(.010 Oversize)
25	299567		PISTON ASSEMBLY -(.020 Oversize)
25	299568		PISTON ASSEMBLY -(.030 Oversize)
25	299573		PISTON ASSEMBLY -(Standard)
26	299743		SET, Ring -(.030 Oversize Chrome)
26	391664		SET, Ring -(.010 Oversize)
26	391669		SET, Ring -(Standard)
26	391670		SET, Ring -(.010 Oversize)
26	391671		SET, Ring -(.020 Oversize)
26	391672		SET, Ring -(.030 Oversize)
27	68546		LOCK, Piston Pin

Footnotes:

Valves with hole in stem except those with Rotocoil. (Ref. No. 41)

For Pins and Retainers for Valve No. 230386 see Ref. No. 40

For use only with Starter Motors with Plastic Drive Gear



Cyl,CrankCase,Piston,GearCase

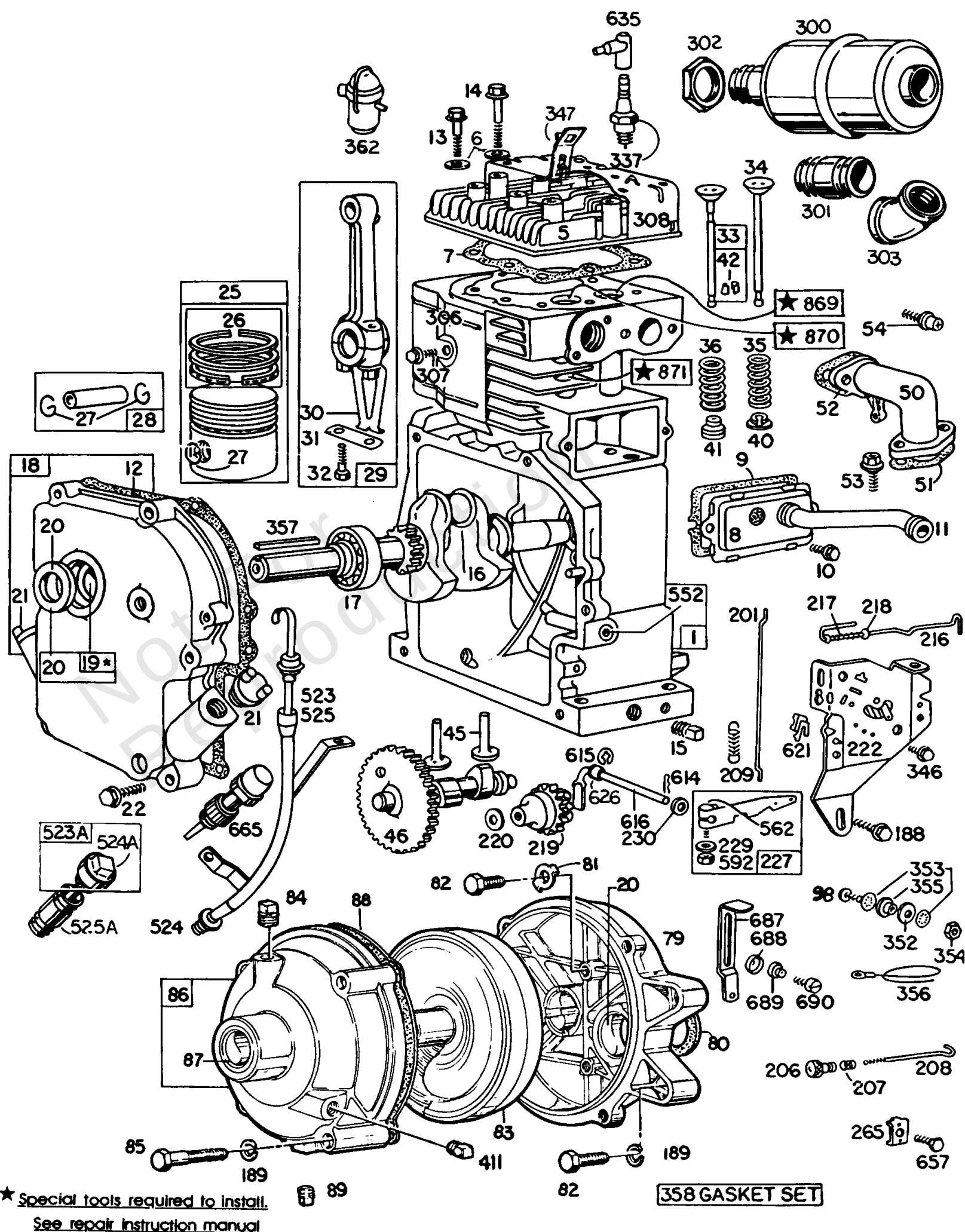
REF NO	PART NO	QTY	DESCRIPTION
28	294681		PIN, Piston -(.005 Oversize) -Used Before Code Date 6702161
28	295840		PIN, Piston -(Standard)
28	295841		PIN, Piston -(.005 Oversize) -Used After Code Date 6702151
28	298401		PIN, Piston -(Standard)
29	295838		ROD, Connecting -For Connecting Rod with .020 undersize Crankpin Bore-order No. 298788
30	220837		DIPPER, Connecting Rod
31	220811		LOCK, Rod Screw
32	92659		SCREW -(Connecting Rod)
33	390419		VALVE, Exhaust -(Includes Retainer(s))
34	230386		VALVE, Intake -(With Hole In Stem) -Used Before Code Date 6711060
34	299884		VALVE, Intake -(Grooved Stem-Includes Retainer) -Used After Code Date 6711030
35	65906		SPRING, Valve -(Intake)
36	26828		SPRING, Valve -(Exhaust)
40	221596		RETAINER, Valve -(Valves With Groove In Stem) -Used After Code Date 6711030
40	230476		PIN, Retainer -Used Before Code Date 6711060
40	230477		RETAINER, Valve
41	292260		RETAINER, Valve -(Exhaust Valve) (Exhaust)
42	230569		RETAINER, Valve -(Exhaust)
42	230570		PIN, Retainer
42	93630		KEEPER, Valve -(2) Use for Rotocoil (With Valves with hole in stem)
45	260933		TAPPET, Valve
46	211689		CAMSHAFT
50	210705		MANIFOLD, Intake
51	65647		GASKET, Intake -Included in Carburetor Overhaul Kit-Part No. 291763. Included in Gasket Set-Part No. 299577
52	27828		GASKET, Intake -Included in Gasket Set-Part No. 299577
53	93357		SCREW
54	93208		SCREW -(Intake Manifold)
79	296179		CASE, Gear Reduction
80	27884		GASKET, Gear Cover/Housing

Footnotes:

Valves with hole in stem except those with Rotocoil. (Ref. No. 41)

For Pins and Retainers for Valve No. 230386 see Ref. No. 40

For use only with Starter Motors with Plastic Drive Gear



Cyl,CrankCase,Piston,GearCase

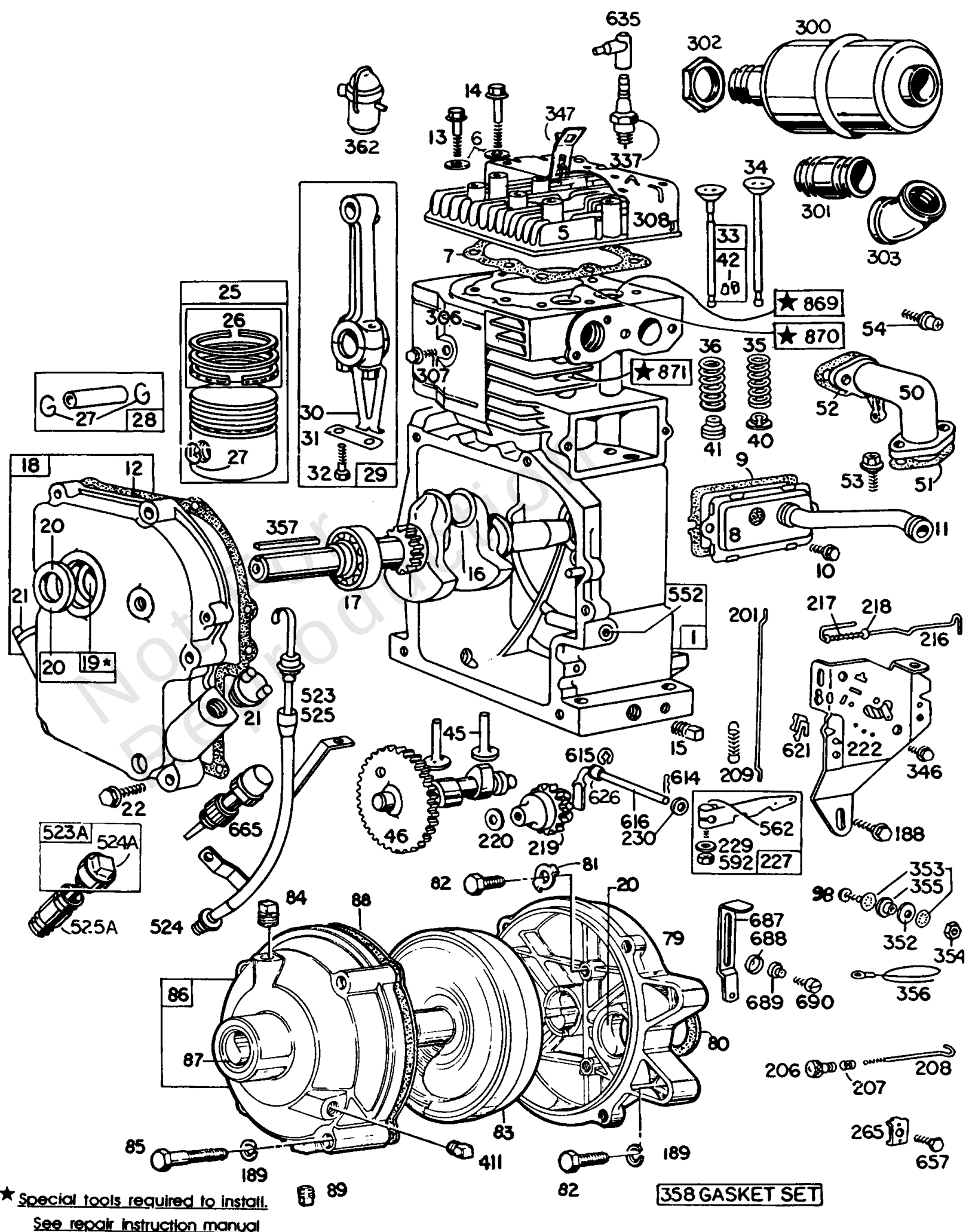
REF NO	PART NO	QTY	DESCRIPTION
81	220234		LOCK, Muffler Screw
82	92502		SCREW
83	291762		SHAFT, Auxiliary Drive
84	92617		SCREW -(Gear Case)
85	91386		SCREW -(2)
86	296053		COVER, Gear
87	391086		SEAL, Oil -(Magneto Side)
88	27328		GASKET, Gear Cover/Housing
89	91488		PLUG -(1/8)
98	91920		SCREW -(8-32 X 5/8)
188	93535		SCREW -(5/16-18 X 3/4)
189	90366		WASHER
201	260872		LINK, Throttle
206	230149		NUT, Governor Adjusting -(5-44)
207	26855		SPRING, Governor Link
208	230841		ROD, Governor Control
209	260871		SPRING, Governor -(2700 To 3300 RPM)
216	260880		LINK, Choke
217	260903		SPRING, Choke Return
218	221198		WASHER
219	297656		GEAR, Governor
220	221551		WASHER -(Governor Lever)
222	299012		BRACKET, Control
227	299165		LEVER, Governor Control -(3/16 Diameter)
229	220680		WASHER
230	221559		WASHER -(3/16 I.D.)
265	221535		CLAMP, Casing -(Stamped Steel)
300	294599		MUFFLER
300	299629		MUFFLER -Uses: 93549 Screw-Mtg. (2) 221885 Shield-Heat
301	91245		ELBOW, Exhaust
302	91242		LOCKNUT -(Muffler and Elbow)
303	91219		ELBOW, Exhaust -(45 Degree Street)
306	222830		SHIELD, Cylinder
307	93163		SCREW
308	221901		COVER, Cylinder Head -(Sno gard)
337	293918		PLUG, Spark

Footnotes:

Valves with hole in stem except those with Rotocoil. (Ref. No. 41)

For Pins and Retainers for Valve No. 230386 see Ref. No. 40

For use only with Starter Motors with Plastic Drive Gear



Cyl,CrankCase,Piston,GearCase

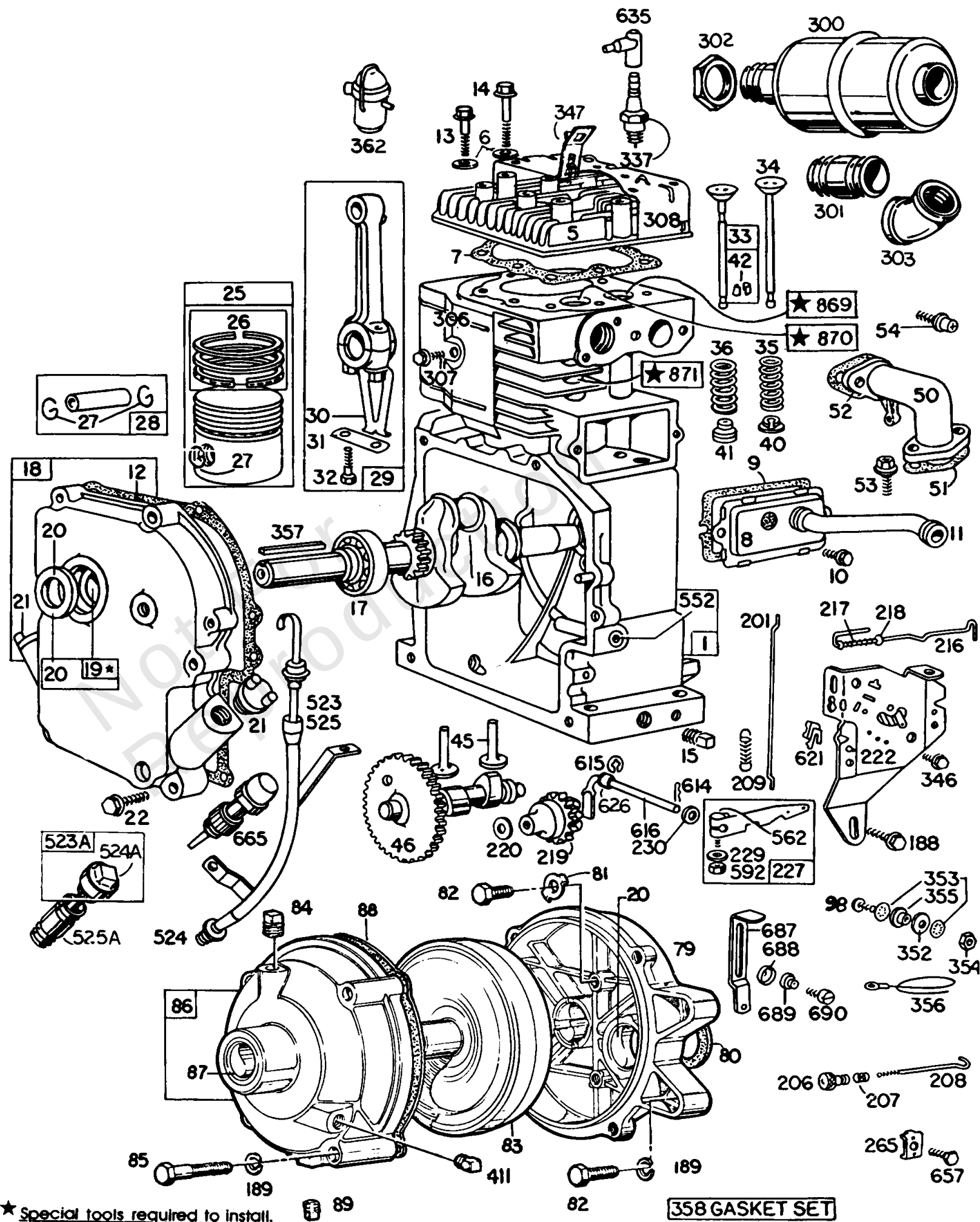
REF NO	PART NO	QTY	DESCRIPTION
337	29693		PLUG, Spark
337	298809		PLUG, Spark -Spark Plugs use Ignition Cable Terminal No. 221798
346	93705		SCREW -(8-32 X 3/8)
347	220884		SWITCH, Stop
347	221808		SWITCH, Stop
352	66068		WASHER -(Fiber)
353	92791		WASHER
354	90576		NUT -(Ground Terminal)
355	66554		WASHER -(Insulating)
356	299500		WIRE, Stop -(Used with Armature Refs. 333A and 333B)
357	91540		KEY, Drive Pulley -(1/4)
358	299577		GASKET SET, Engine
362	291630		SHIELD, Spark Plug -(With Stop Switch)
411	93448		PLUG, Oil Drain -(Flush) (1/4-18 NPTF) (Flush) (1/4 18 NPTF)
523A	295923		CAP, Oil Fill
523	390848		DIPSTICK
524A	65304		SEAL, O-Ring -(Dipstick Cap)
524	68838		SEAL, O-Ring -(Dipstick Tube)
525A	230553		PIPE, Oil -(5-1/4)
525	299284		TUBE, Dipstick
552	230843		BUSHING, Governor Crank -(3/16 I.D.)
562	92613		BOLT -(Governor Lever)
592	90356		NUT -(10-24)
614	93306		PIN, Cotter
615	93307		RETAINER, Governor Shaft
616	231070		SHAFT, Governor Gear -(3/16 Diameter)
621	297472		SWITCH, Stop
626	230749		SPACER -(Governor Lever)
635	66538		BOOT, Spark Plug
657	93496		SCREW -(10-32 X 5/8)
665	298858		MINDER, Oil
687	298957		SLIDE, Control
688	221766		SPRING, Friction
689	260847		SPRING, Friction

Footnotes:

Valves with hole in stem except those with Rotocoil. (Ref. No. 41)

For Pins and Retainers for Valve No. 230386 see Ref. No. 40

For use only with Starter Motors with Plastic Drive Gear

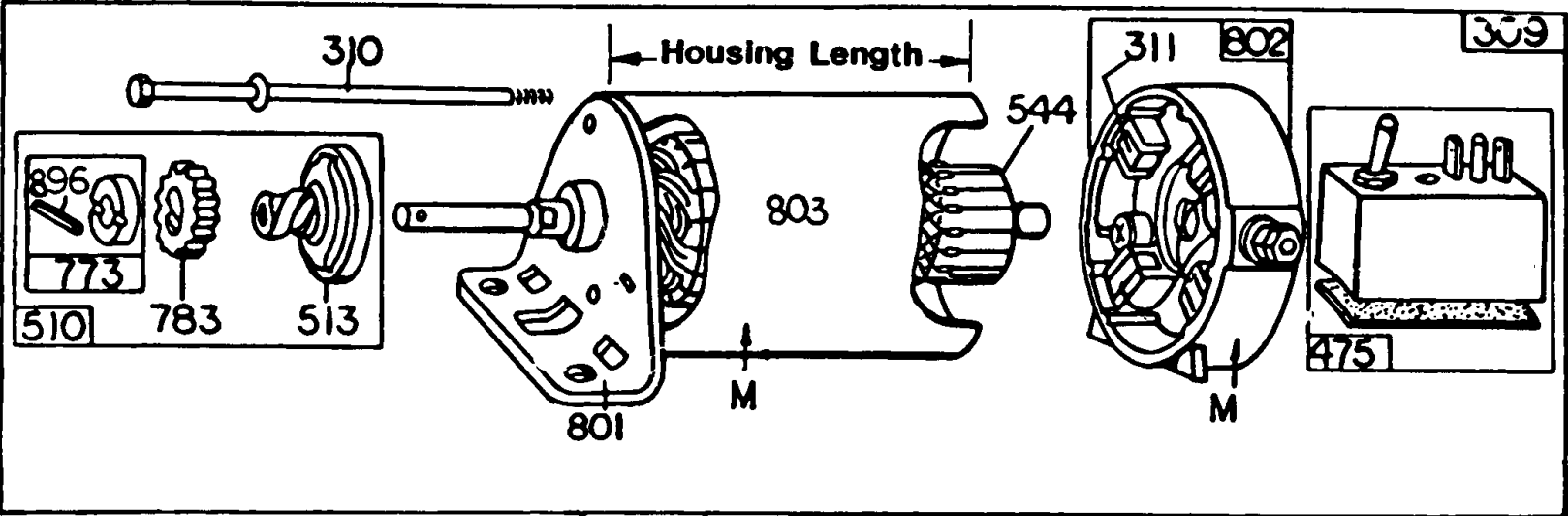


Cyl,CrankCase,Piston,GearCase

REF NO	PART NO	QTY	DESCRIPTION
690	92484		SCREW
869	211661		SEAT, Valve -(Exhaust)
870	211661		SEAT, Valve -(Exhaust)
871	230655		BUSHING, Valve Guide -(Exhaust)

Not For
Reproduction

Footnotes:
Valves with hole in stem except those with Rotocoil. (Ref. No. 41)
For Pins and Retainers for Valve No. 230386 see Ref. No. 40
For use only with Starter Motors with Plastic Drive Gear



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 Assembly	Housing Assembly	End Cap Assy. Commutator*	Brush Assembly	Thru Bolt Assembly	Rectifier Assembly
American Bosch										
	12V SMH 12-A11	390307	390443	390444	390446	390447	390448	390449	390450	
	12V SME 12-A8	299330	390094	390092	390086	390097	390089		390080	
	12V 01965-23- MO-30-SM	390838	391461**	390444	391607	390447	390448	390449	390450	
	110V SME 110-C3	299329†	390094	390091	390088	390096	390098	390081	390080	390099
	110V SME 110-C6	299556	390094	390092	390088	390095	390098	390081	390080	390084
	110V SME 110-C8	299764	390094	390093	390088	390096	390098	390081	390080	390099
Mitsubishi										
	12V MMO-5ML	390307	299963	390454	390456	390452	390455	390990	299962	
	12V MMO-4FL	299330	299963	390454	390457	390453	390455	390990	299962	
	12V MOOIT02271	390838	391461**	391585	391584	390452	390455	390990	93771	
	110V J282188	299329	299963	299964	299968	299967	299965		299962	299966
Briggs & Stratton										
	Housing Length									
	12V 3-1/16"	390838	391461**	392061	390837	392744	390846	391705	391706	
	12V 3-1/16"	392749	391461**	392061	392747	392744	390846	391705	391706	

*Includes Brush Set

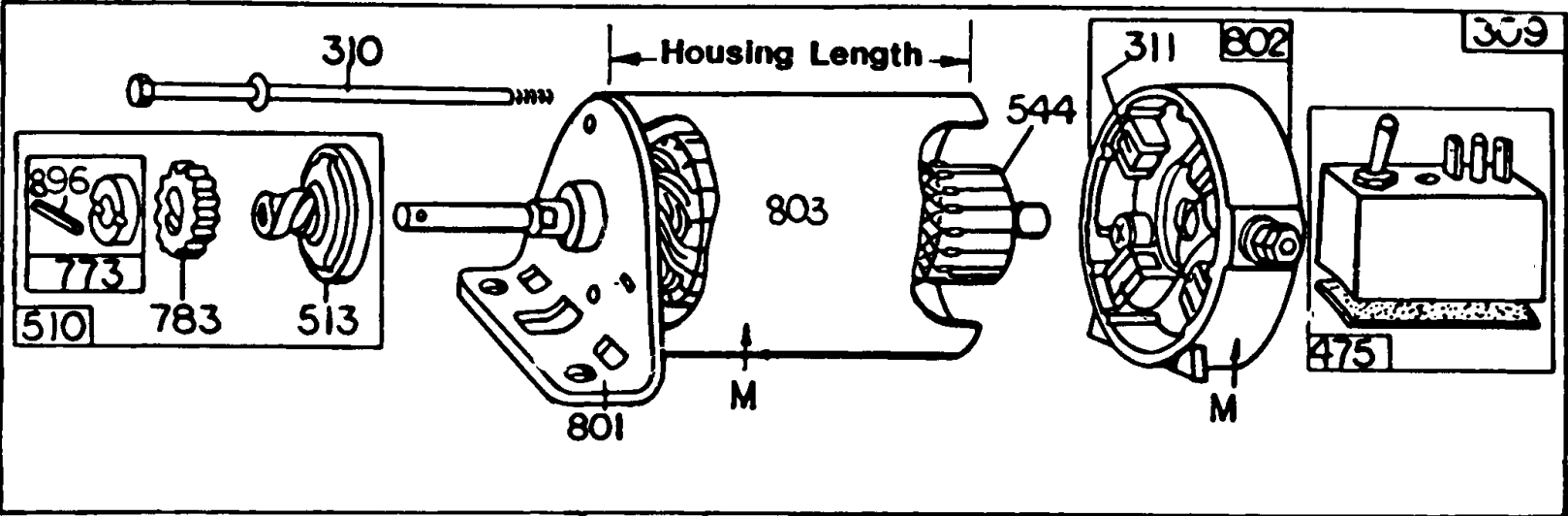
**Includes #391135 Clutch Assembly (Ref. No. 513)
#280104 Gear (Ref. No. 783)
#391462 Retainer and Pin (Ref. No. 773)
93754 Roll Pin (Ref. No. 896)

†Uses #392247 Switch Shield Assembly

M Only Briggs & Stratton motors are not marked in these areas.

Electric Starter and Chart

REF NO	PART NO	QTY	DESCRIPTION
309	299330		MOTOR, Starter -(Mitsubishi and American Bosch 12V)
309	390307		MOTOR, Starter -(Bosch or Mitsubishi)
309	390838		MOTOR, Starter -(3 1/16 Housing)
309	392749		MOTOR, Starter -(3 1/16 Housing)
309	393851		MOTOR, Starter -(3 1/2 Housing) (Briggs & Stratton 110V)
310	299962		BOLT -(Mitsubishi Starters)
310	390080		SCREW -(American Bosch Starters)
310	390450		BOLT -(American Bosch 12V)
310	391706		SCREW -(3 1/16 Housing)
310	93771		BOLT -(Mitsubishi 12V)
310	93889		SCREW -(3 1/2 Housing) (Briggs & Stratton 120V)
311	390081		SET, Brush -(American Bosch 110V Starters)
311	390449		SET, Brush -(American Bosch 12V)
311	390990		SET, Brush -(Mitsubishi Starters)
311	391705		SET, Brush -(3 1/16 Housing)
311	393612		SET, Brush -(3 1/2 Housing) (110V)
475	299966		RECTIFIER -(Mitsubishi 110V)
475	390084		RECTIFIER -(American Bosch 110V)
475	390099		RECTIFIER -(American Bosch 110V)
510	299963		DRIVE, Starter -(Mitsubishi Starters)
510	390094		DRIVE, Starter -American Bosch 12V & 110V (SME 12-A8 & SME 110-C3, C6, or C8)
510	390443		DRIVE, Starter -(American Bosch 12V Or 110V)
510	391461		DRIVE, Starter -(3 1/2 Housing) Includes #391135 Clutch Assembly (Ref. No. 513) #280104 Gear (Ref. No. 783) #391462 Retainer and Pin (Ref. No. 773) #93754 Roll Pin (Ref. No. 896)
544	299968		ARMATURE, Starter
544	390086		ARMATURE, Starter
544	390088		ARMATURE, Starter -(American Bosch 110 V Starters)
544	390446		ARMATURE, Starter
544	390456		ARMATURE, Starter
544	390457		ARMATURE, Starter
544	390837		ARMATURE, Starter -(3 5/8 Housing)
544	391584		ARMATURE, Starter
544	391607		ARMATURE, Starter -(American Bosch 12V)

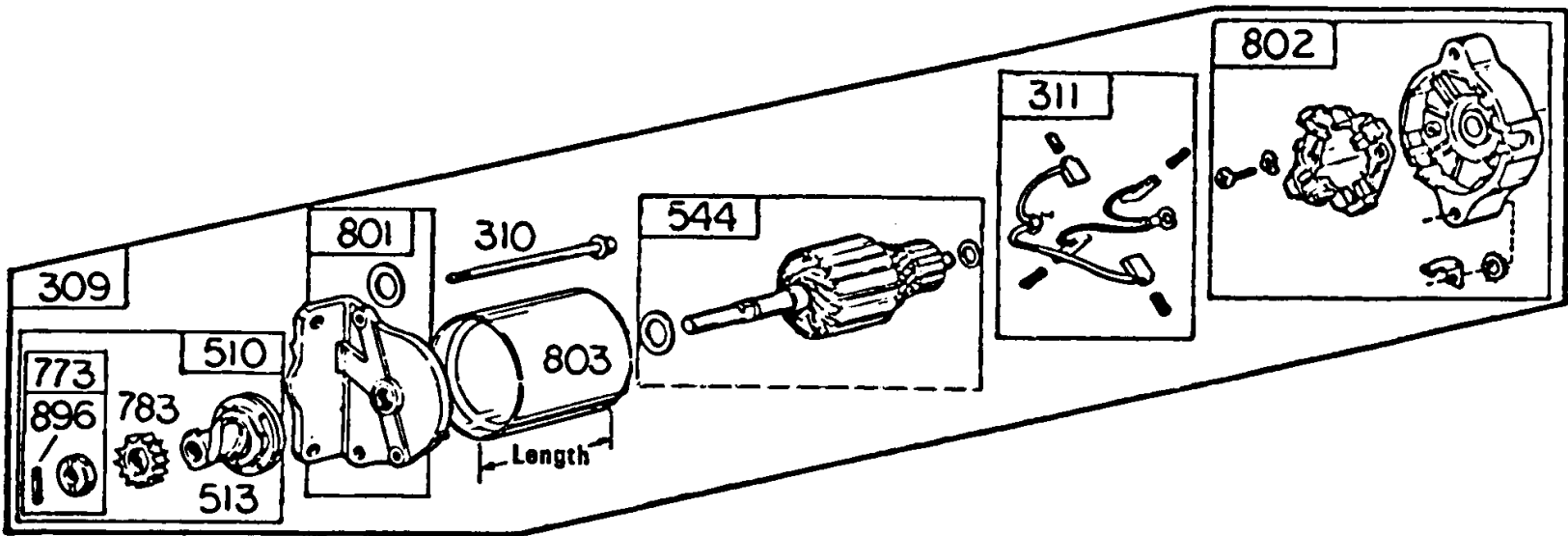


Subject		Ref. No. 309	Ref. No. 510	Ref. No. 801	Ref. No. 544	Ref. No. 803	Ref. No. 802	Ref. No. 311	Ref. No. 310	Ref. No. 475
Starter Motor Mfr. and Motor Model Number		Motor and Drive Assy.	Drive Assembly	End Cap Assy. Drive	Armature Assembly	Housing Assembly	End Cap Assy. Commutator*	Brush Assembly	Thru Bolt Assembly	Rectifier Assembly
American Bosch										
	12V SMH 12-A11	390307	390443	390444	390446	390447	390448	390449	390450	
	12V SME 12-A8	299330	390094	390092	390086	390097	390089		390080	
	12V 01965-23-MO-30-SM	390838	391461**	390444	391607	390447	390448	390449	390450	
	110V SME 110-C3	299329†	390094	390091	390088	390096	390098	390081	390080	390099
	110V SME 110-C6	299556	390094	390092	390088	390095	390098	390081	390080	390084
	110V SME 110-C8	299764	390094	390093	390088	390096	390098	390081	390080	390099
Mitsubishi										
	12V MMO-5ML	390307	299963	390454	390456	390452	390455	390990	299962	
	12V MMO-4FL	299330	299963	390454	390457	390453	390455	390990	299962	
	12V MOOIT02271	390838	391461**	391585	391584	390452	390455	390990	93771	
	110V J282188	299329	299963	299964	299968	299967	299965		299962	299966
Briggs & Stratton										
	Housing Length									
	12V 3-1/16"	390838	391461**	392061	390837	392744	390846	391705	391706	
	12V 3-1/16"	392749	391461**	392061	392747	392744	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)
93754 Roll Pin (Ref. No. 896)
†Uses #392247 Switch Shield Assembly
M Only Briggs & Stratton motors are not marked in these areas.

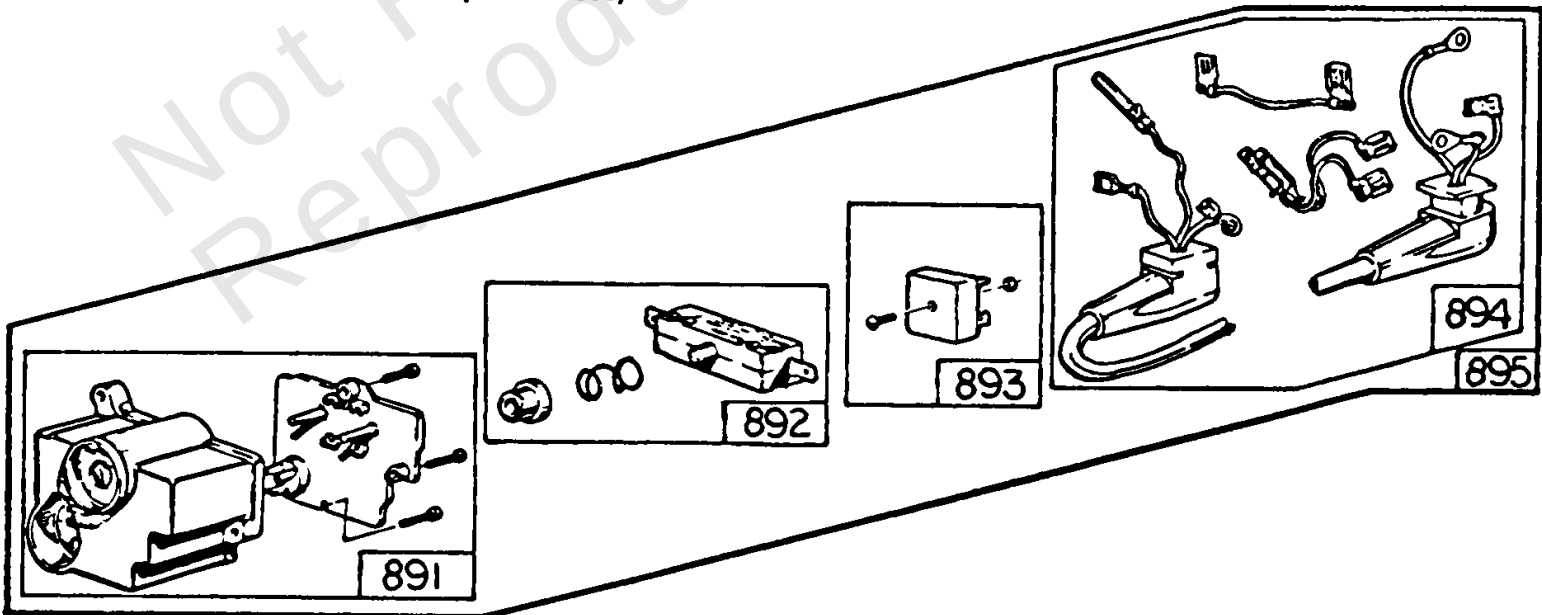
Electric Starter and Chart

REF NO	PART NO	QTY	DESCRIPTION
544	392747		ARMATURE, Starter -(3 21/32 Housing)
544	393607		ARMATURE, Starter -(3 1/2 Housing) (110V)
801	299964		CAP, Drive -(Mitsubishi 110V)
801	390091		CAP, Drive
801	390092		CAP, Drive -(American Bosch 12V Or 110V)
801	390093		CAP, Drive
801	390444		CAP, Drive -(American Bosch 12V)
801	390454		CAP, Drive -(Mitsubishi 12V)
801	391585		CAP, Drive -(Mitsubishi 12V)
801	392061		CAP, Drive -(3-1/16 or 3-3/4 Housing)
801	393228		CAP, End -(3 1/2 Housing) (Briggs & Stratton 110V)
802	299965		CAP, End -(Mitsubishi 110V)
802	390089		CAP, End -(American Bosch 12V)
802	390098		CAP, End -(American Bosch 110 V Starters)
802	390448		CAP, End -(American Bosch 12V)
802	390455		CAP, End -(Mitsubishi 12Vstarters)
802	390846		CAP, End -(3 1/16 Housing)
802	393833		CAP, End -(3 1/2 Housing) (Briggs & Stratton 110V)
803	299967		HOUSING, Starter
803	390095		HOUSING, Starter -(American Bosch 110V)
803	390096		HOUSING, Starter -(American Bosch 110V)
803	390097		HOUSING, Starter
803	390447		HOUSING, Starter -(American Bosch 12V)
803	390452		HOUSING, Starter -(Mitsubishi 12V)
803	390453		HOUSING, Starter -(Mitsubishi 12V)
803	392744		HOUSING, Starter -(3 1/16 Housing)
803	393433		HOUSING, Starter -(3 1/2 Housing) (Briggs & Stratton 110V)



Subject		Ref. No. 309 and 895	Ref. No. 510	Ref. No. 801	Ref. No. 310	Ref. No. 803	Ref. No. 544	Ref. No. 311	Ref. No. 802
Manufacturer		Motor and Drive Assembly	Drive Assembly	Drive End Cap Assembly	Thru Bolt Assembly	Housing Assembly	Armature Assembly	Brush Assembly	Comm. End Cap Assembly
B&S	Housing Length								
120 V	3-1/2"	393851	391461*	393228	93889	393433	393607	393612	393833

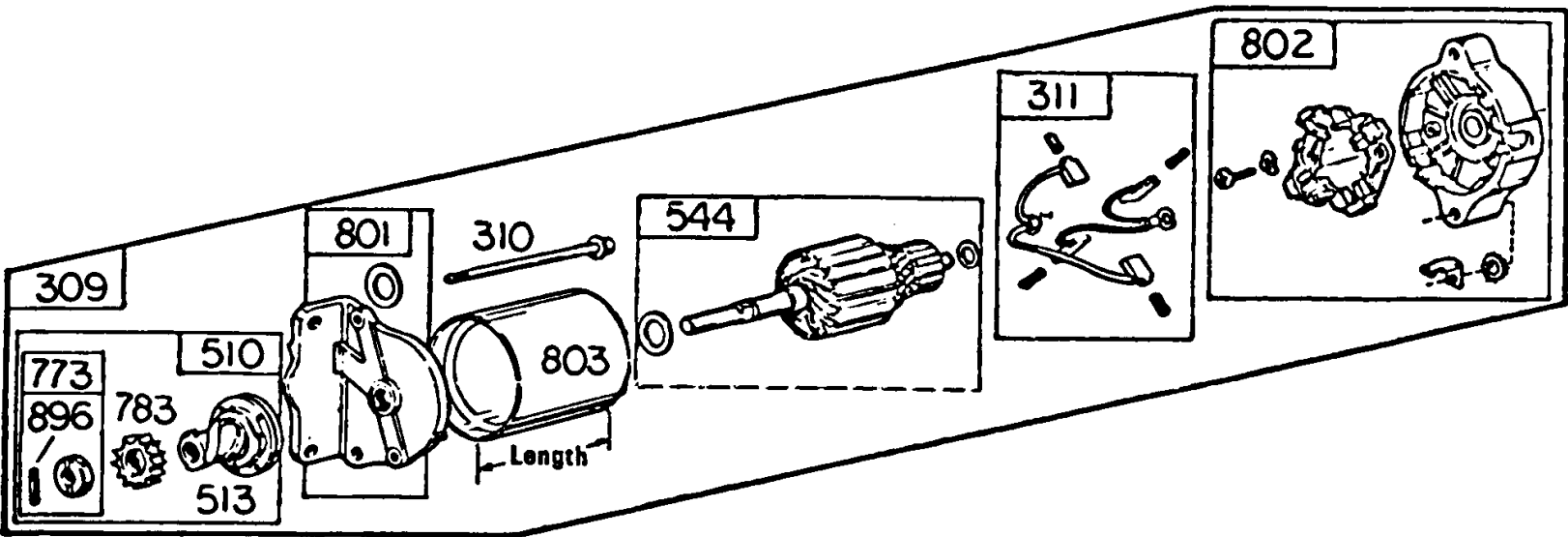
*Includes #391135 Clutch Assembly (Ref. No. 513)
#280104 Gear (Ref. No. 783)
#391462 Retainer and Pin (Ref. No. 773)
93754 Roll Pin (Ref. No. 896)



Subject	Ref. No. 891	Ref. No. 892	Ref. No. 893	Ref. No. 894	Ref. No. 895
Manufacturer	Housing Group	Switch Group	Rectifier Group	Lead Group	Control Group
Briggs & Stratton					
120 V	393705	393708	393707	393706	393486

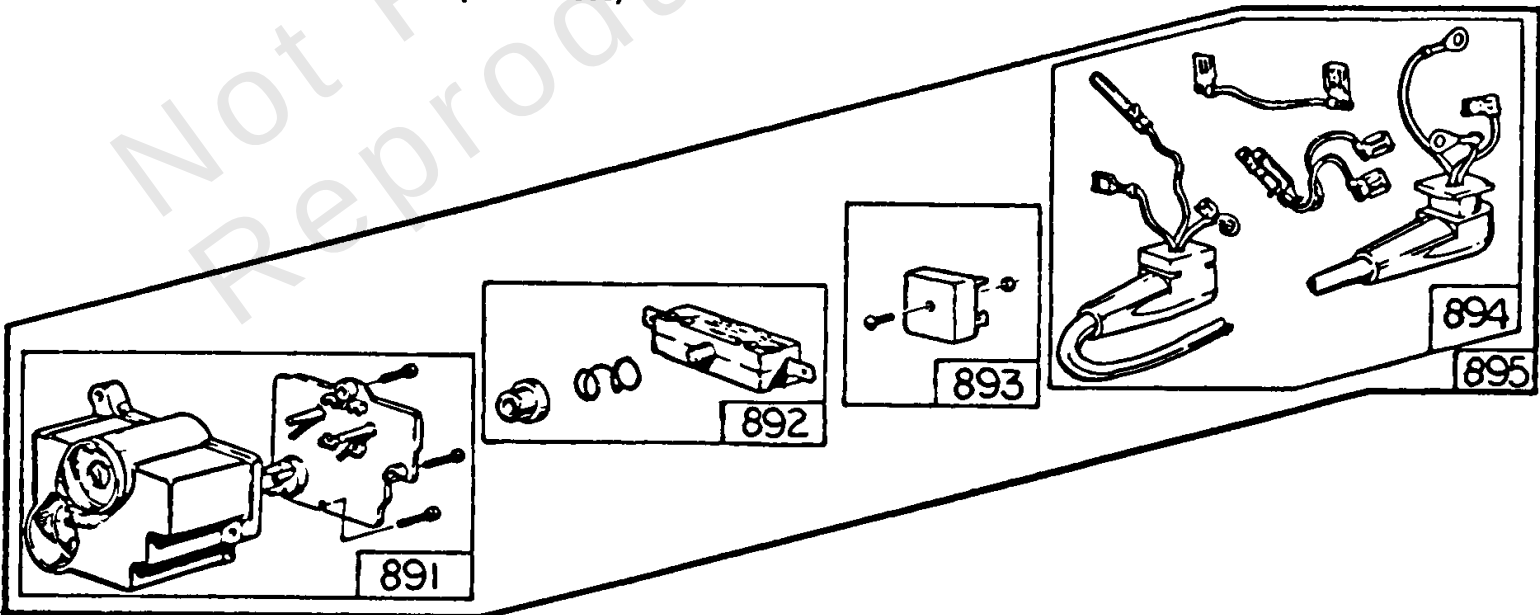
Electric Starter and Starter

REF NO	PART NO	QTY	DESCRIPTION
309	299330		MOTOR, Starter -(Mitsubishi and American Bosch 12V)
309	390307		MOTOR, Starter -(Bosch or Mitsubishi)
309	390838		MOTOR, Starter -(3 1/16 Housing)
309	392749		MOTOR, Starter -(3 1/16 Housing)
309	393851		MOTOR, Starter -(3 1/2 Housing) (Briggs & Stratton 110V)
310	299962		BOLT -(Mitsubishi Starters)
310	390080		SCREW -(American Bosch Starters)
310	390450		BOLT -(American Bosch 12V)
310	391706		SCREW -(3 1/16 Housing)
310	93771		BOLT -(Mitsubishi 12V)
310	93889		SCREW -(3 1/2 Housing) (Briggs & Stratton 120V)
311	390081		SET, Brush -(American Bosch 110V Starters)
311	390449		SET, Brush -(American Bosch 12V)
311	390990		SET, Brush -(Mitsubishi Starters)
311	391705		SET, Brush -(3 1/16 Housing)
311	393612		SET, Brush -(3 1/2 Housing) (110V)
510	299963		DRIVE, Starter -(Mitsubishi Starters)
510	390094		DRIVE, Starter -American Bosch 12V & 110V (SME 12-A8 & SME 110-C3, C6, or C8)
510	390443		DRIVE, Starter -(American Bosch 12V Or 110V)
510	391461		DRIVE, Starter -(3 1/2 Housing) Includes #391135 Clutch Assembly (Ref. No. 513) #280104 Gear (Ref. No. 783) #391462 Retainer and Pin (Ref. No. 773) #93754 Roll Pin (Ref. No. 896)
544	299968		ARMATURE, Starter
544	390086		ARMATURE, Starter
544	390088		ARMATURE, Starter -(American Bosch 110 V Starters)
544	390446		ARMATURE, Starter
544	390456		ARMATURE, Starter
544	390457		ARMATURE, Starter
544	390837		ARMATURE, Starter -(3 5/8 Housing)
544	391584		ARMATURE, Starter
544	391607		ARMATURE, Starter -(American Bosch 12V)
544	392747		ARMATURE, Starter -(3 21/32 Housing)
544	393607		ARMATURE, Starter -(3 1/2 Housing) (110V)
801	299964		CAP, Drive -(Mitsubishi 110V)



Subject		Ref. No. 309 and 895	Ref. No. 510	Ref. No. 801	Ref. No. 310	Ref. No. 803	Ref. No. 544	Ref. No. 311	Ref. No. 802
Manufacturer		Motor and Drive Assembly	Drive Assembly	Drive End Cap Assembly	Thru Bolt Assembly	Housing Assembly	Armature Assembly	Brush Assembly	Comm. End Cap Assembly
B&S	Housing Length								
120 V	3-1/2"	393851	391461*	393228	93889	393433	393607	393612	393833

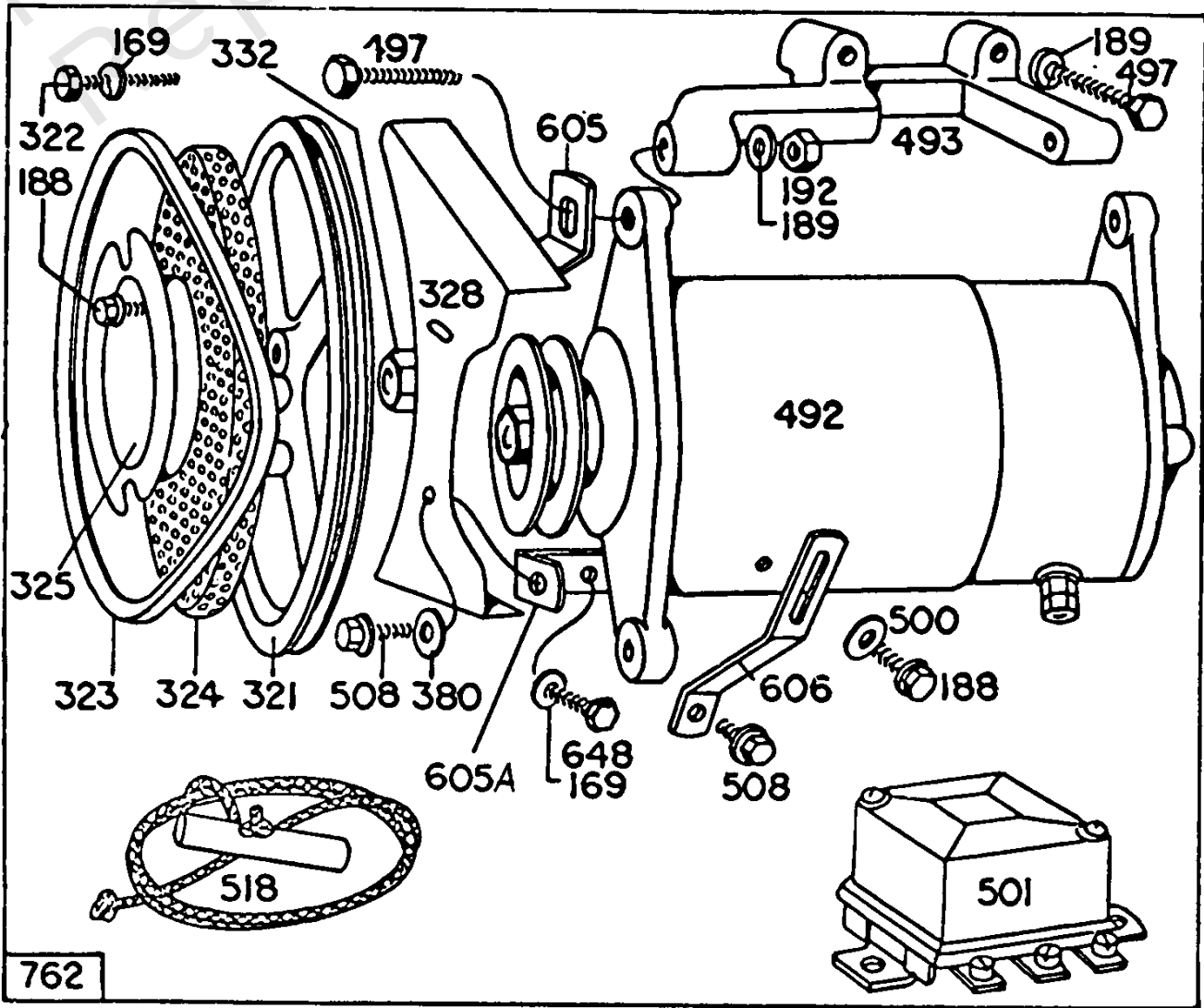
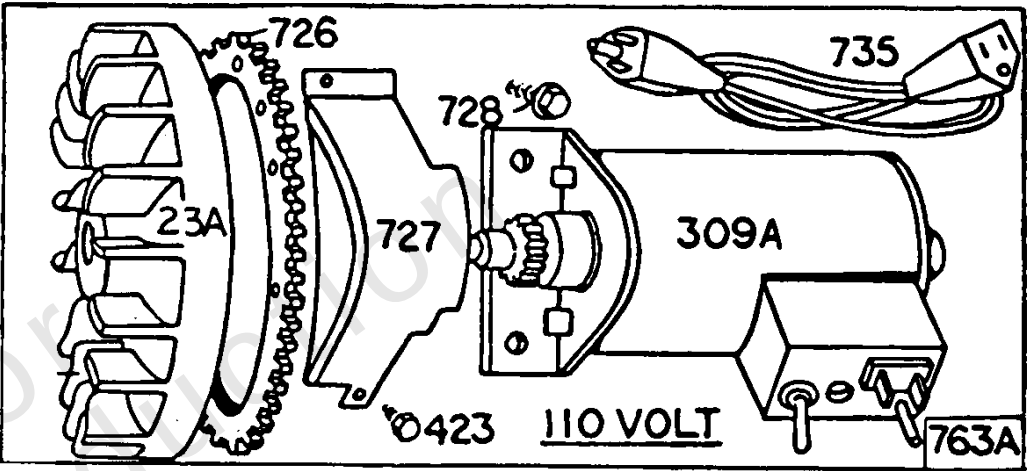
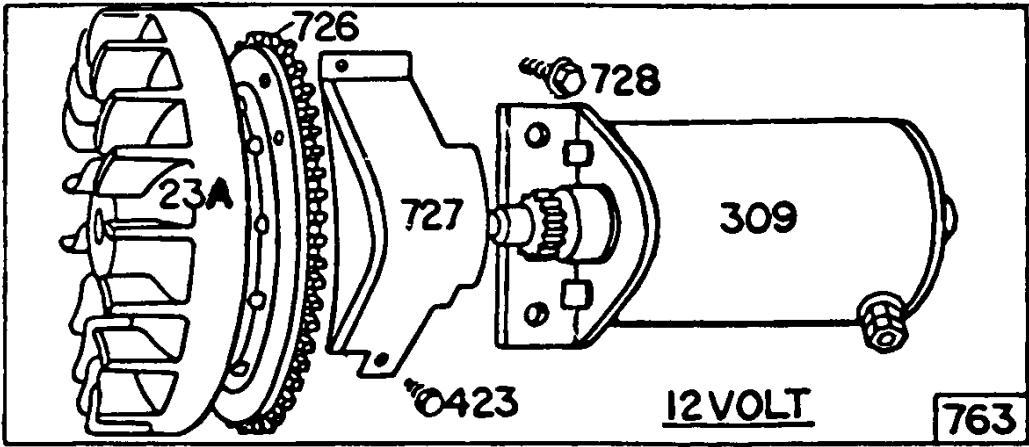
*Includes #391135 Clutch Assembly (Ref. No. 513)
#280104 Gear (Ref. No. 783)
#391462 Retainer and Pin (Ref. No. 773)
93754 Roll Pin (Ref. No. 896)



Subject	Ref. No. 891	Ref. No. 892	Ref. No. 893	Ref. No. 894	Ref. No. 895
Manufacturer	Housing Group	Switch Group	Rectifier Group	Lead Group	Control Group
Briggs & Stratton					
120 V	393705	393708	393707	393706	393486

Electric Starter and Starter

REF NO	PART NO	QTY	DESCRIPTION
801	390091		CAP, Drive
801	390092		CAP, Drive -(American Bosch 12V Or 110V)
801	390093		CAP, Drive
801	390444		CAP, Drive -(American Bosch 12V)
801	390454		CAP, Drive -(Mitsubishi 12V)
801	391585		CAP, Drive -(Mitsubishi 12V)
801	392061		CAP, Drive -(3-1/16 or 3-3/4 Housing)
801	393228		CAP, End -(3 1/2 Housing) (Briggs & Stratton 110V)
802	299965		CAP, End -(Mitsubishi 110V)
802	390089		CAP, End -(American Bosch 12V)
802	390098		CAP, End -(American Bosch 110 V Starters)
802	390448		CAP, End -(American Bosch 12V)
802	390455		CAP, End -(Mitsubishi 12Vstarters)
802	390846		CAP, End -(3 1/16 Housing)
802	393833		CAP, End -(3 1/2 Housing) (Briggs & Stratton 110V)
803	299967		HOUSING, Starter
803	390095		HOUSING, Starter -(American Bosch 110V)
803	390096		HOUSING, Starter -(American Bosch 110V)
803	390097		HOUSING, Starter
803	390447		HOUSING, Starter -(American Bosch 12V)
803	390452		HOUSING, Starter -(Mitsubishi 12V)
803	390453		HOUSING, Starter -(Mitsubishi 12V)
803	392744		HOUSING, Starter -(3 1/16 Housing)
803	393433		HOUSING, Starter -(3 1/2 Housing) (Briggs & Stratton 110V)
891	393705		HOUSING, Switch
892	393708		SWITCH, Starting -(Briggs & Stratton 110V)
893	393707		RECTIFIER -(Briggs & Stratton 110V)
894	393706		HARNESS, Wiring -(Briggs & Stratton 110V)
895	393486		SWITCH, Starting -(Briggs & Stratton 120V)
895	393851		MOTOR, Starter -(3 1/2 Housing) (Briggs & Stratton 110V)

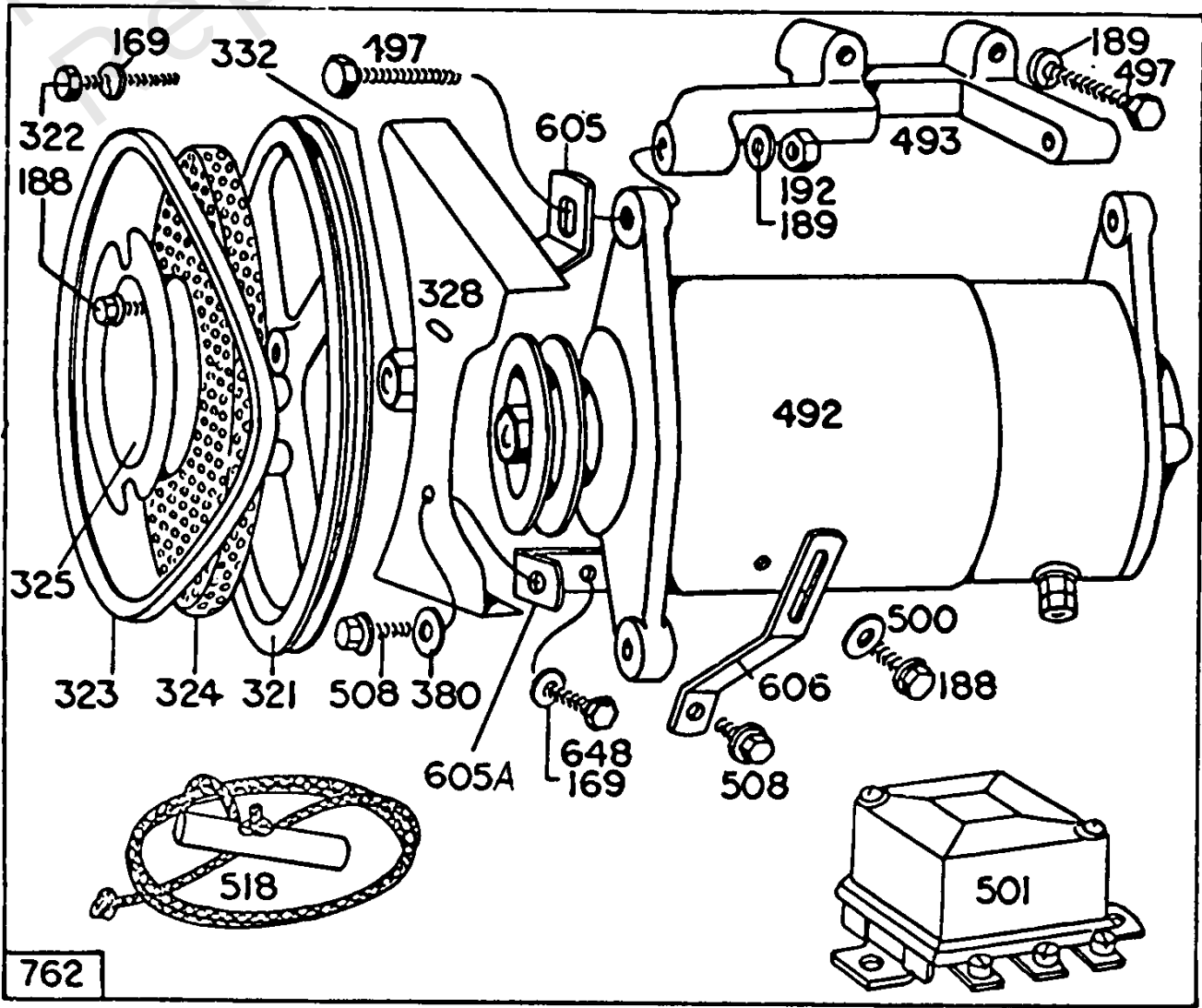
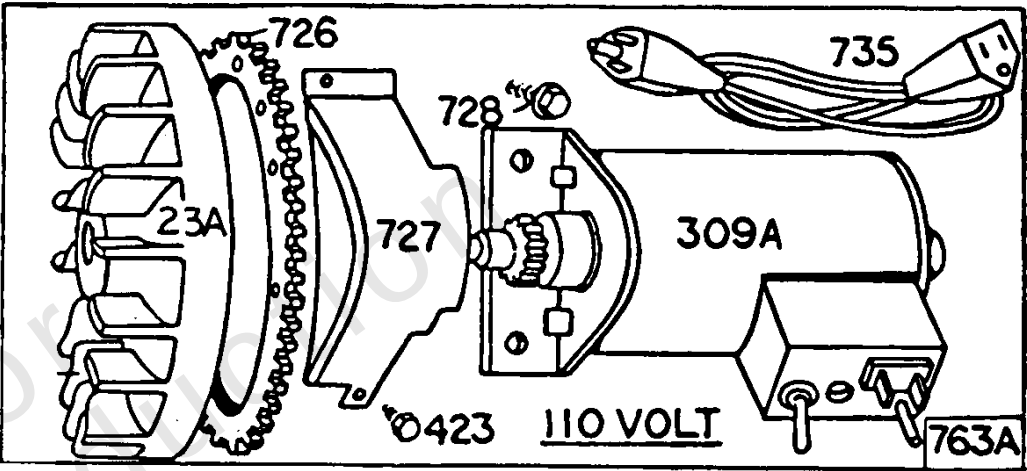
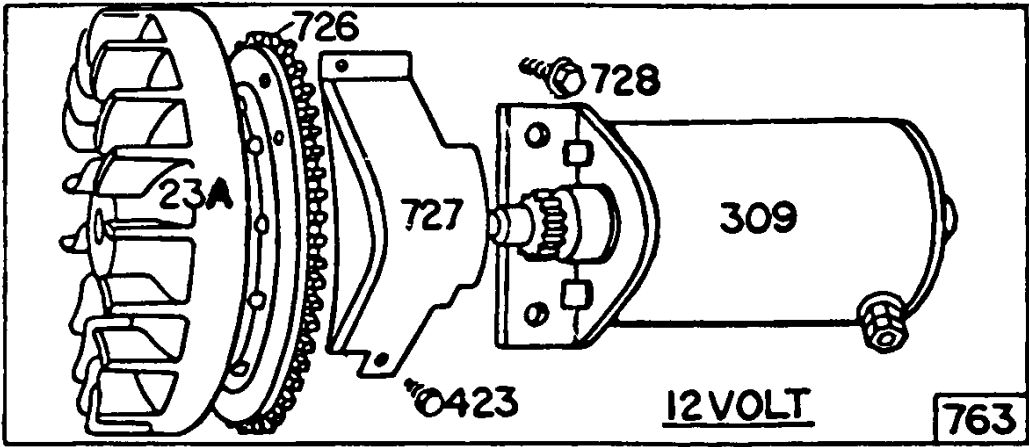


Electric Starters

REF NO	PART NO	QTY	DESCRIPTION
23A	299375		FLYWHEEL -Use on engs W/O ALT (machined for STEEL ring gear, not incl)
23A	392034		FLYWHEEL -(Aluminum Ring Gear) For use only on electric starter engines WITHOUT ALTERNATOR (Aluminum Ring Gear Inc.) For Plastic Drive Gear Starter
169	90832		SCREW -(Blower Housing)
188	93535		SCREW -(5/16-18 X 3/4)
189	90366		WASHER
192	91397		NUT -(5/16-18)
309A	299329		MOTOR, Starter -(Mitsubishi and American Bosch 110V)
309A	299556		MOTOR, Starter -(American Bosch 110V)
309A	299764		MOTOR, Starter -(American Bosch 110V)
309A	299329		MOTOR, Starter -(Mitsubishi and American Bosch 110V) Uses #392247 Switch Shield Assembly
309	299330		MOTOR, Starter -(Mitsubishi and American Bosch 12V)
309	390307		MOTOR, Starter -(Bosch or Mitsubishi)
309	390838		MOTOR, Starter -(3 1/16 Housing)
309	392749		MOTOR, Starter -(3 1/16 Housing)
309	393851		MOTOR, Starter -(3 1/2 Housing) (Briggs & Stratton 110V)
321	210899		PULLEY, Starter
321	221067		SCREEN, Rotating -Uses: 93506 Screw
322	90931		SCREW
323	67708		BELT, Vee
324	221067		SCREEN, Rotating
325	299307		PULLEY, Rope Starter -(With Screen)
328	221447		GUARD, Belt
332	92284		NUT -(Flywheel)
380	91324		WASHER
423	93410		SCREW
492	296028		MOTOR, Starter -(12v Delco-Remy #1101695 & Pulley #1949358)
493	211594		BRACKET, Starter Motor
497	91203		SCREW -(5/16-18 X 1-3/4)
500	91325		WASHER
501	295924		REGULATOR -(Flat Mount, Delco-remy)
508	93294		SCREW -(5/8)
518	69932		GRIP, Starter Rope
605A	297171		BRACKET, Support -(Lower)

Footnotes:

For use only with Starter Motors with Plastic Drive Gear



Electric Starters

REF NO	PART NO	QTY	DESCRIPTION
605	297187		BRACKET, Mounting -(Upper)
606	221443		STRAP, Adjusting
648	91439		SCREW
726	299543		GEAR, Ring -(Steel) (Includes Mounting Hardware)
727	221940		GUARD, Flywheel -Uses: 93623 Screw (2)
727	390233		COVER, Starter Drive
728	93523		SCREW -(5/16-18 X 11/16)
735	390966		CORD, Starter -(Includes Adaptor Plug)
762	297335		KIT, Electric Starter -(12 Volt) (Low Position)
763A	393611		KIT, Electric Starter -(110 Volt Gear Drive)
763	391604		KIT, Electric Starter -(12 Volt Gear Drive)

Footnotes:

For use only with Starter Motors with Plastic Drive Gear

Replacement Engine - US & Canada

REF NO	PART NO	QTY	DESCRIPTION
	20S2320036	1	Replacement Engine
	-----		Top No-Load Speed: 4000 -Trim: ALL
	-----		Service Note: If necessary, to make the original engine crankshaft center line the same add 695154 spacer kit.
	-----		Service Note: For all Go-Karts use only a Model 136200 series engine as a replacement, regardless of the original Model.
	-----		Service Note: If the replacement engine supersedes to or is a Model 200000 series engine, refer to the illustrations located after the conversion data for this model series.
	-----		Service Note: To make the crankshaft center line the same add 695154 spacer kit, other overall dimensions which differ, are shown in the illustrations.
	-----		Service Note: If after making a visual inspection and it is determined the Model 200000 series engine cannot be used because of equipment interference, the original engine should be repaired with a short block and/or individual parts.

