

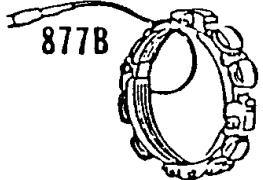


Parts Manual

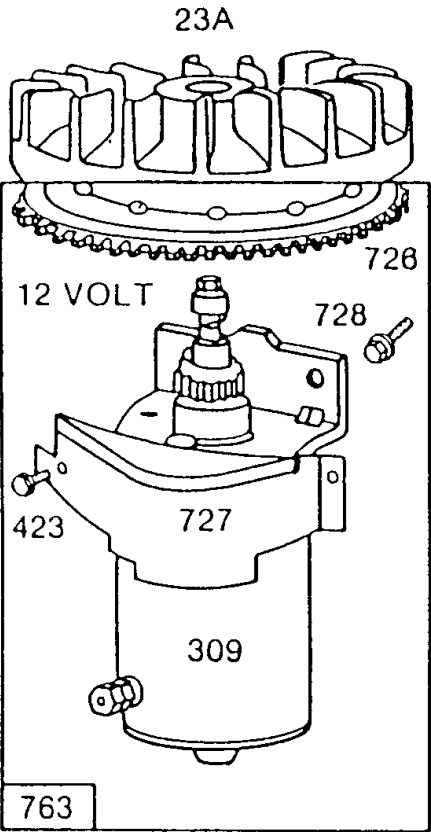
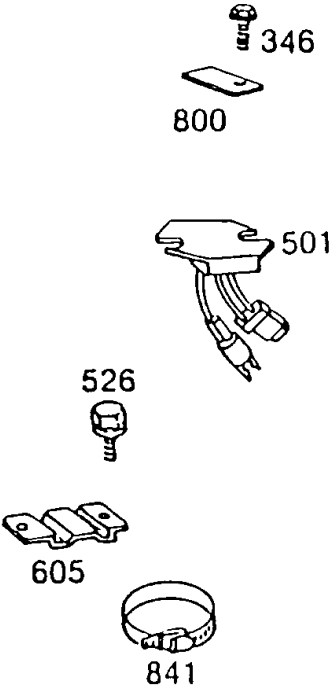
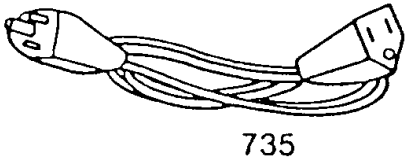
Mfg. No: 191702-2149-01

Model Components	Page
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Not For
Reproduction

DC ONLY	DUAL CIRCUIT	TRI - CIRCUIT	10 AMP
23A or NOTE under 23	23A or NOTE under 23	23A or NOTE under 23	23A or NOTE under 23
887 	474 	474A 	474B 
			
			501 

NOTE : All stators use No. 482 Mtg. Screw

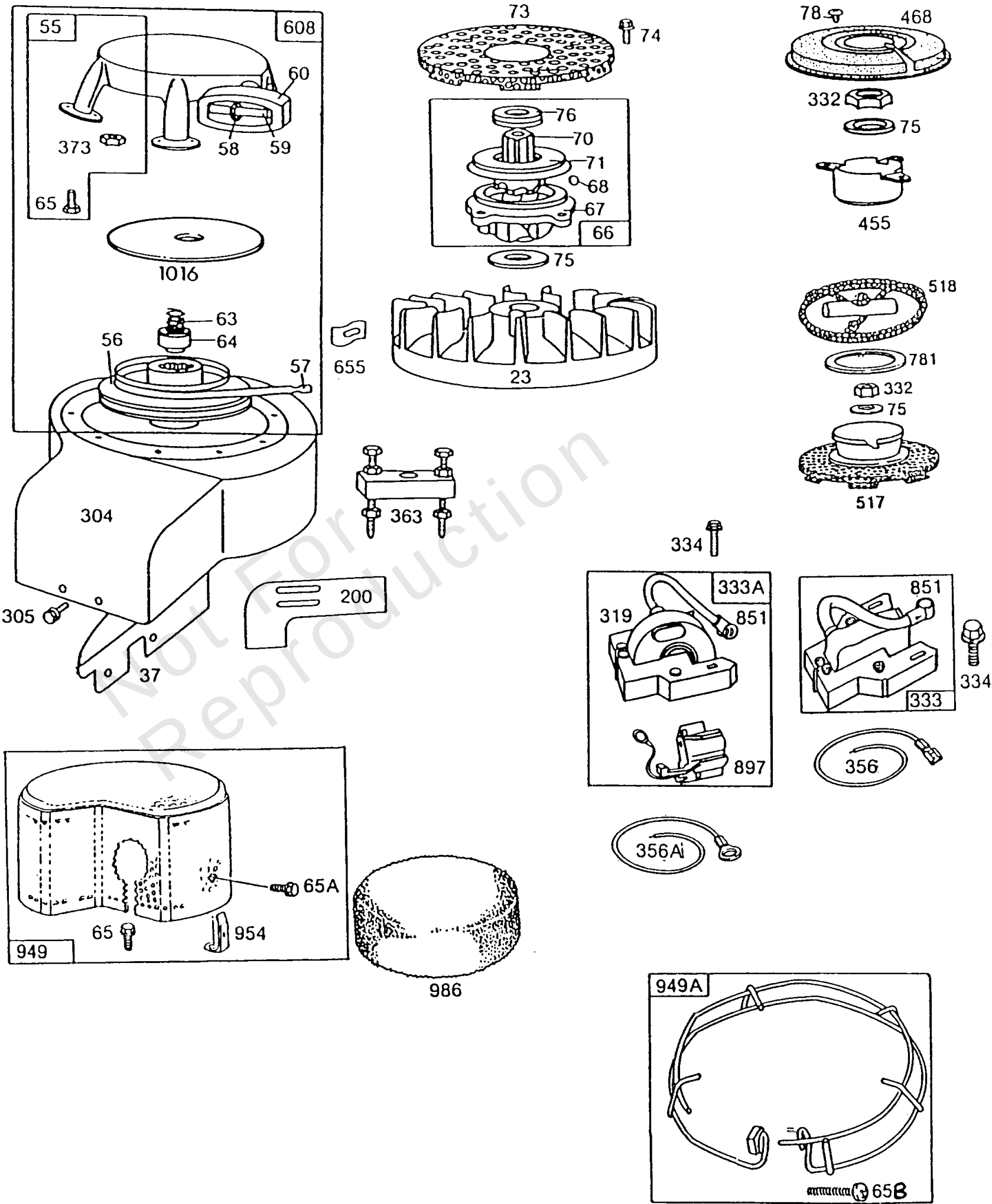


Alternator Chart & Starter

REF NO	PART NO	QTY	DESCRIPTION
23A	392034		FLYWHEEL -(Aluminum Ring Gear) For use only on electric starter engines WITHOUT ALTERNATOR (Includes aluminum ring gear.)
23A	391983		FLYWHEEL -(Engines With Alternator) For use on engines WITH ALTERNATOR (Includes aluminum ring gear.)
23	298260		FLYWHEEL
23	392028		FLYWHEEL -(Aluminum Ring Gear) For Use on Engines with Alternator
309	393851		MOTOR, Starter -(3 1/2 Housing) (Briggs & Stratton 110V)
309	394805		MOTOR, Starter -(3 1/16 Housing)
346	93705		SCREW -(8-32 X 3/8)
423	93984		SCREW
474A	392595		ALTERNATOR -(Tri Circuit) (9 Amp Regulated)
474B	393295		ALTERNATOR -(10, 13, or 16 Amp-Depending on Size of Flywheel Magnets) (Regulated)
474	393474		ALTERNATOR -(Dual Circuit)
482	93621		SCREW -(Tapping)
501	394890		REGULATOR -(10, 13, or 16 Amp, Depending on Size of Flywheel Magnets)
526	93343		SCREW -(Control Panel)
605	222934		BRACKET, Mounting
726	392134		GEAR, Ring
727	221940		GUARD, Flywheel -Used Before Code Date 86082600
727	223597		GUARD, Flywheel -Used After Code Date 86082500
727	395405		COVER, Starter Drive
728	93535		SCREW -(5/16-18 X 3/4)
735	390966		CORD, Starter -(Includes Adaptor Plug)
763	391604		KIT, Electric Starter -(12 Volt Gear Drive)
800	222095		RETAINER
814	392606		HARNESS, Alternator -(Tri Circuit)
841	393514		CLAMP
877A	393814		WIRE/CONNECTOR, Alternator -(10 Amp Regulated)
877B	393537		WIRE/CONNECTOR, Alternator -(Tri Circuit) (9 Amp)
877	393456		WIRE/CONNECTOR, Alternator
878A	393422		WIRE ASSEMBLY -(Dc Only)
878	393362		HARNESS, Alternator -(Dual Circuit)
887	391529		ALTERNATOR -(DC Only)

Footnotes:

Both Guards Use: 93712 Screw (2)

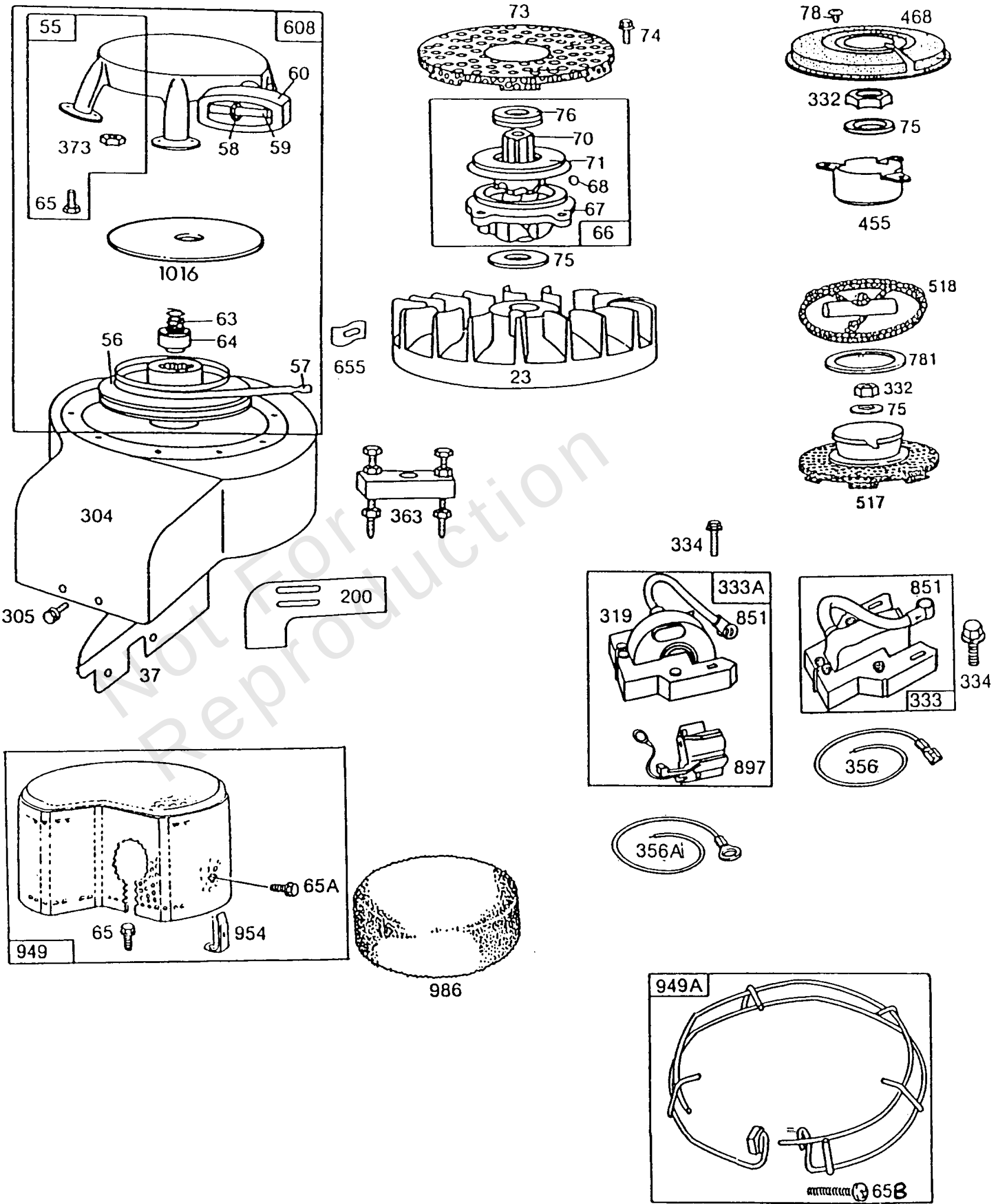


Blower Hsg,Rewind,Guards

REF NO	PART NO	QTY	DESCRIPTION
23	298260		FLYWHEEL
23	392028		FLYWHEEL -(Aluminum Ring Gear) For Use on Engines with Alternator
37	222475		GUARD, Flywheel
55	393576		HOUSING, Rewind Starter
56	295871		PULLEY, Starter -(63 Rope) Includes 63 Rope; if Longer Rope is required, Order Rope No. 66894 and cut to required length.
57	490179		SPRING-REWIND STR
58	66884		ROPE, Starter -(Cut To Required Length) if longer Rope is needed, Order No. 66894 and cut to required length.
59	230228		PIN, Starter Grip
60	66728		GRIP, Starter Rope
63	260414		SPRING, Ratchet
64	230543		ADAPTER, Ratchet Spring
65B	94124		SCREW
65A	94018		SCREW
65	93067		SCREW -(3/8)
66	394558		CLUTCH, Starter -(engines w/Ring Gear on Flywheel equipped for Electric Start)
66	399671		CLUTCH-STARTER -(Uses Rubber Coated Retainer Washer-Ref. 71)
67	394897		HOUSING, Clutch
68	63770		BALL, Clutch
70	298799		RATCHET, Clutch -(engine W/Ring Gear on FW equipped for Elec Start)
71	221653		WASHER
71	394506		COVER, Ratchet -(Rubber Coated)
73	221796		SCREEN, Rotating
74	93042		SCREW
75	220865		WASHER -(Heavy Flywheel)
76	68238		SEAL, Ratchet
78	93805		SCREW
200	221760		GUIDE, Air
304	398495		HOUSING, Blower
319	395326		ARMATURE, Magneto -(Electronic Ignition-Without Module)
332	92284		NUT -(Flywheel)
333A	395492		ARMATURE, Magneto -(Magnetron Ignition)
333	398811		ARMATURE, Magneto -(Magnetron Ignition)
334	93381		SCREW
356A	298693		WIRE, Stop -(Cut To Required Length)
356	398808		WIRE, Stop -(Cut To Required Length)
363	19165		PULLER, Flywheel

Footnotes:

Both Guards Use: 93712 Screw (2)



Blower Hsg,Rewind,Guards

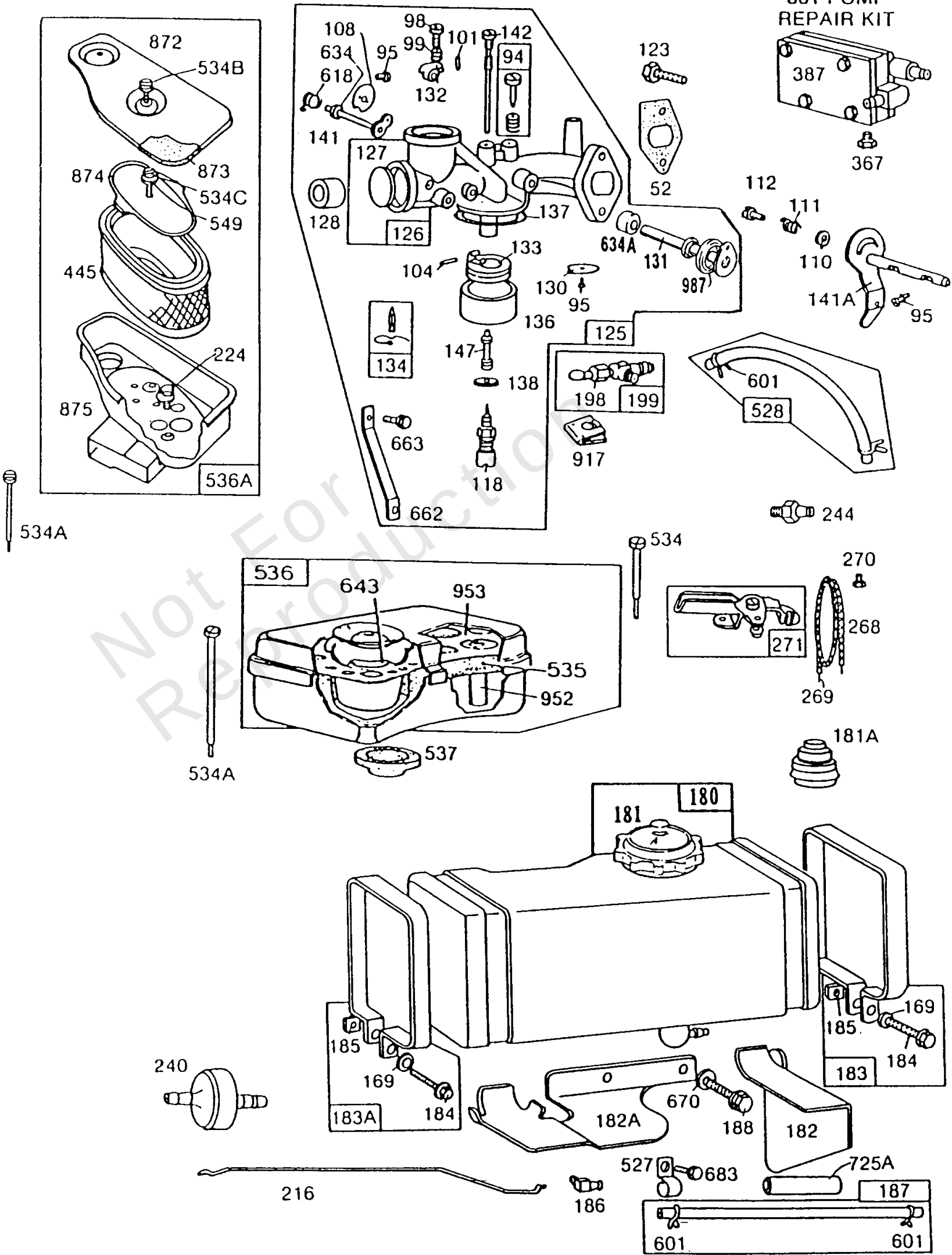
REF NO	PART NO	QTY	DESCRIPTION
373	92987		STARTER, Rewind
455	222561		CUP, Flywheel
468	222302		SCREEN, Rotating -(Stationary) Uses: 93572 Screw (8) 231020 Spacer (4)
468	222562		SCREEN, Rotating
517	295423		PULLEY, Rope Starter
518	69932		GRIP, Starter Rope
608	390391		STARTER, Rewind
655	222598		ANCHOR, Rewind Spring -(Stamped Rewind Housing)
781	280068		CAP, Starter Pulley
851	221798		TERMINAL, Spark Plug
897	394970		KIT, Magnetron Ignition
949A	396581		GUARD, Rewind
949	397530		GUARD, Debris Screen -(Rewind Starter)
949	398857		GUARD, Debris Screen -(Electric Starter)
954	223379		BRACKET, Mounting
986	271735		FILTER, Debris Foam
1016	490817		SPACER-REWIND -(Rewind)

Footnotes:

Both Guards Use: 93712 Screw (2)

121 CARBURETOR OVERHAUL KIT

861 PUMP
REPAIR KIT



Carburetor & Fuel Tank Assy

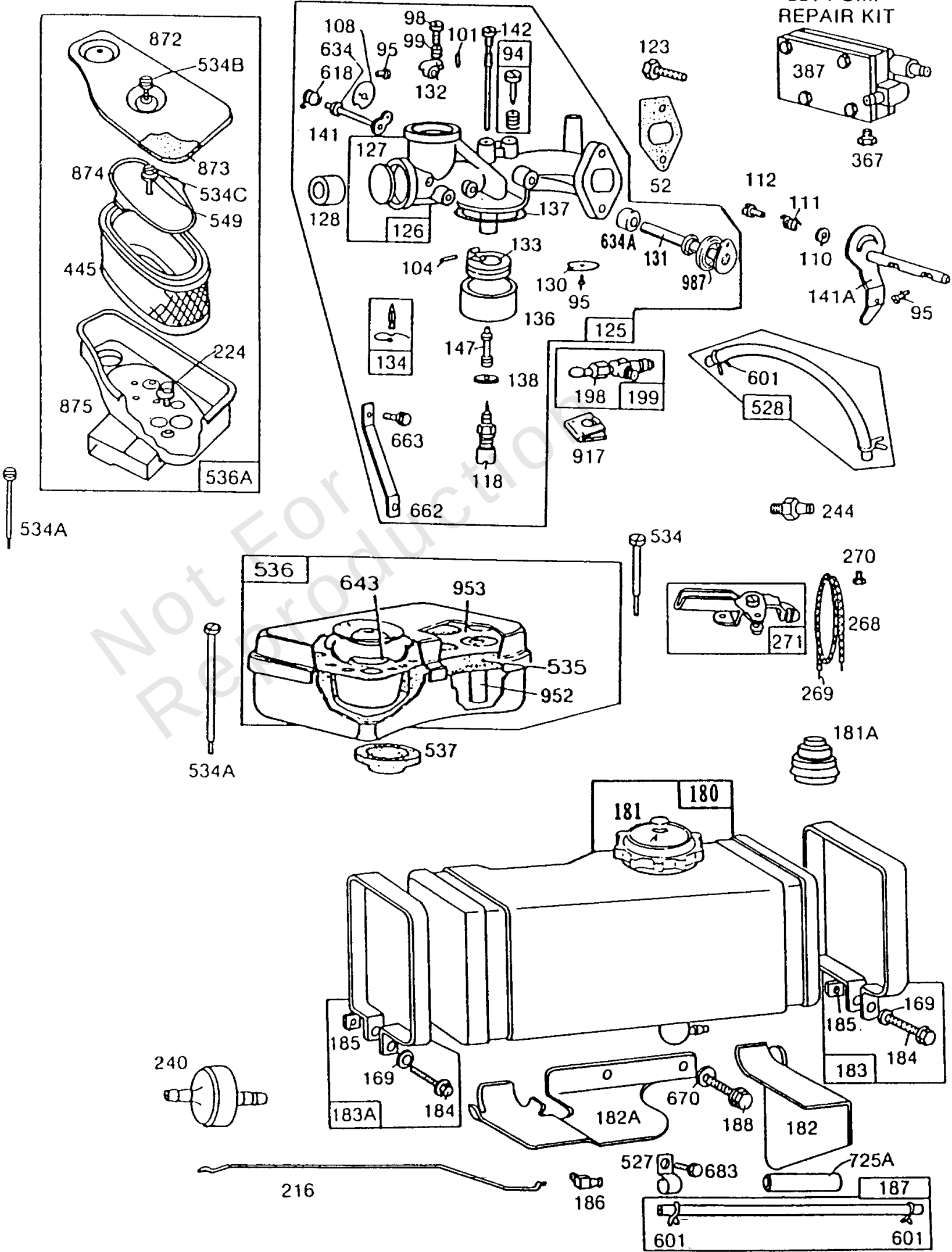
REF NO	PART NO	QTY	DESCRIPTION
52	270538		GASKET, Intake -Included in Carburetor Overhaul Kit-Part No. 394698
94	292681		VALVE, Idle Mixture -Included in Carburetor Overhaul Kit-Part No. 394698
95	93499		SCREW -(Throttle Valve)
98	91920		SCREW -(8-32 X 5/8)
99	26157		SPRING, Compression
101	93043		PIN, Shaft
104	230896		PIN, Float Hinge -Included in Carburetor Overhaul Kit-Part No. 394698
108	222010		VALVE, Choke
110	220899		WASHER -(Choke Lever)
111	26229		SPRING, Choke Return
112	23270		SCREW -(Choke Lever)
118	391233		VALVE, Float Needle -Used After Code Date 83052000
118	396568		VALVE, Float Needle -Used Before Code Date 83051900
121	394698		KIT, Carburetor Overhaul
123	93357		SCREW
125	390811		CARBURETOR -(Choke-A-Matic)
126	299851		BODY, Lower Carburetor
127	221997		PLUG, Welch -Included in Carburetor Overhaul Kit-Part No. 394698
128	211682		VENTURI, Carburetor
130	221986		VALVE, Throttle
131	391512		SHAFT, Throttle -Used Before Code Date 86071700
131	490017		SHAFT, Throttle
132	211712		STOP, Throttle
133	299707		FLOAT, Carburetor
134	394681		KIT, Needle/Seat -(Gravity Feed) Included in Carburetor Overhaul Kit-Part No. 394698. Order No. 394683 for Fuel Pump Applications.
136	221995		BOWL, Float
137	270511		GASKET, Float Bowl -Included in Carburetor Overhaul Kit-Part No. 394698
138	222014		WASHER -(Float Bowl) Included in Carburetor Overhaul Kit-Part No. 394698
141A	299647		SHAFT, Choke
141	390684		SHAFT, Choke -(Choke-A-Matic)
142	299740		NOZZLE, Carburetor -Included in Carburetor Overhaul Kit-Part No. 394698
147	230932		SCREW -(Nozzle) -Used Before Code Date 83052000
147	231323		SCREW -(Nozzle) -Used After Code Date 83051900

Footnotes:

Both Guards Use: 93712 Screw (2)
Included in Carburetor Overhaul Kit-Part No. 394698

121 CARBURETOR OVERHAUL KIT

861 PUMP
REPAIR KIT



Carburetor & Fuel Tank Assy

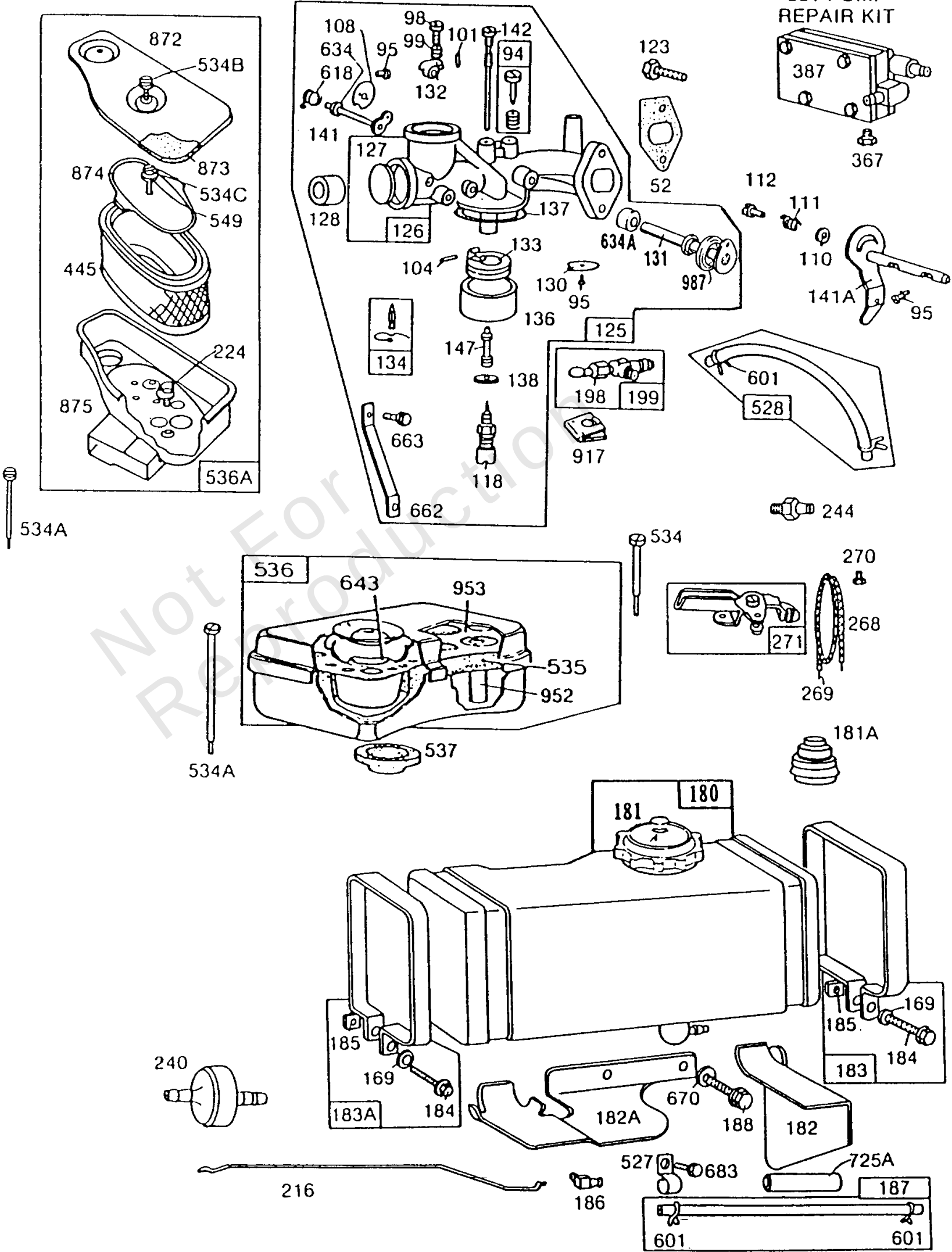
REF NO	PART NO	QTY	DESCRIPTION
169	90832		SCREW -(Blower Housing)
180	390225		TANK, Fuel -(3 Quart) (Plastic)
181A	392300		CAP, Fuel Tank -(Metal) (1 9/16 I.D.) -Used After Code Date 85120100
181	397975		CAP, Fuel Tank -(Plastic) (2 1/4 I.D.) -Used After Code Date 85113100
182A	222112		BRACKET, Fuel Tank -(L.H.)
182	222813		BRACKET, Fuel Tank -(R.H.)
183A	390405		STRAP, Fuel Tank -(L.H.)
183	390406		STRAP, Fuel Tank -(R.H.)
184	93803		SCREW
185	90970		NUT -(1/4-20)
186	67218		CONNECTOR, Hose
187	296004		LINE, Fuel -(Cut To Required Length)
187	393815		HOSE, Vacuum -(Cylinder To Impulse Pump)(Cut To Required Length)
188	93535		SCREW -(5/16-18 X 3/4)
198	293934		VALVE, Fuel Shut Off
199	390303		OUTLET, Tank
216	261117		LINK, Choke -Used Before Code Date 82121010
216	261612		LINK, Choke -Used After Code Date 82121110
224	94018		SCREW
240	298090		FILTER, Fuel
240	394358		FILTER, Fuel -(Fuel Pump)
244	230318		CONNECTOR, Hose
268	65616		CASING, Control Wire -(Cut To Required Length)
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
367	93380		SCREW
387	390818		PUMP, Fuel -Order No. 394462 for Pump Repair Kit
445	393406		FILTER, A/C Cartridge
527	221428		CLAMP, Tube
528	394045		HOSE, Vacuum
534B	93913		SCREW

Footnotes:

Both Guards Use: 93712 Screw (2)
Included in Carburetor Overhaul Kit-Part No. 394698

121 CARBURETOR OVERHAUL KIT

861 PUMP
REPAIR KIT

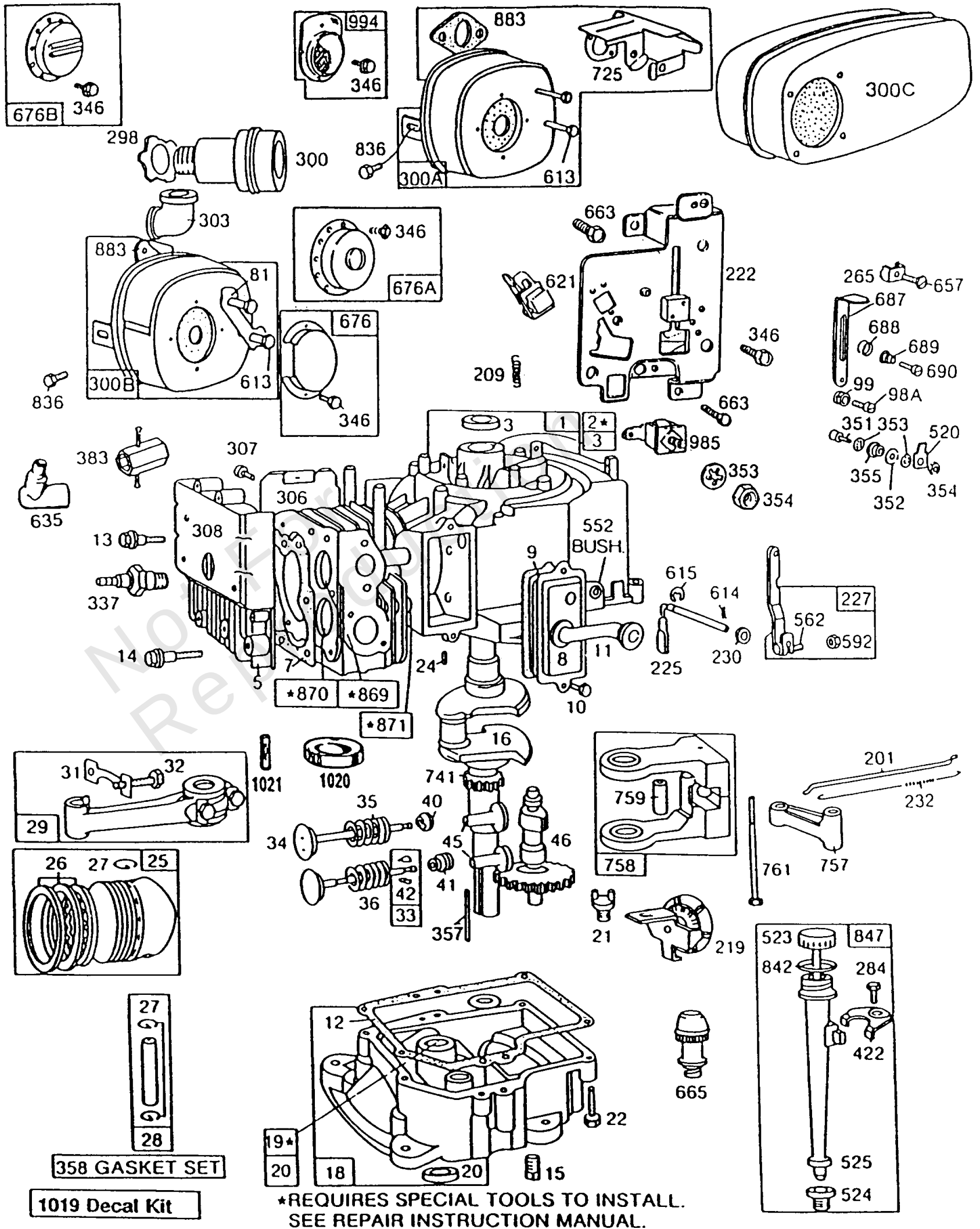


Carburetor & Fuel Tank Assy

REF NO	PART NO	QTY	DESCRIPTION
534A	93323		SCREW
534C	93881		SCREW -(Air Cleaner)
534	93622		SCREW
535	270528		FILTER, A/C Cartridge
536A	393481		CLEANER, Air
536	390379		CLEANER, Air
537	270539		GASKET, Air Cleaner -(Air Cleaner)
549	270978		WASHER -(Below Internal Screw Head)
601	93053		CLAMP, Hose -(Green)
618	261116		SPRING, Choke Return
634A	271013		WASHER, Sealing -(Foam) -Used Before Code Date 86071700
634	270382		WASHER -(Foam)
643	222149		CUP, Air Cleaner
662	222027		BRACKET, Support
663	93572		SCREW -(10-32 X 3/8)
670	22963		WASHER
683	93572		SCREW -(10-32 X 3/8)
725A	222175		SHIELD, Heat
861	394462		KIT, Fuel Pump -(Use With Pump 390818 Only)
872	222897		COVER, Air Cleaner
873	271171		GASKET, Air Cleaner
874	222898		RETAINER, Air Filter
875	393828		BASE, Air Cleaner
917	223271		VALVE, Handle Shutoff
952	222495		SPACER, Air Cleaner
953	222022		SCREEN, Air Cleaner
987	398970		SEAL, Throttle Shaft -(Lmt 46, 49, 50, 51, 53, 86) -Used After Code Date 86071600

Footnotes:

Both Guards Use: 93712 Screw (2)
Included in Carburetor Overhaul Kit-Part No. 394698

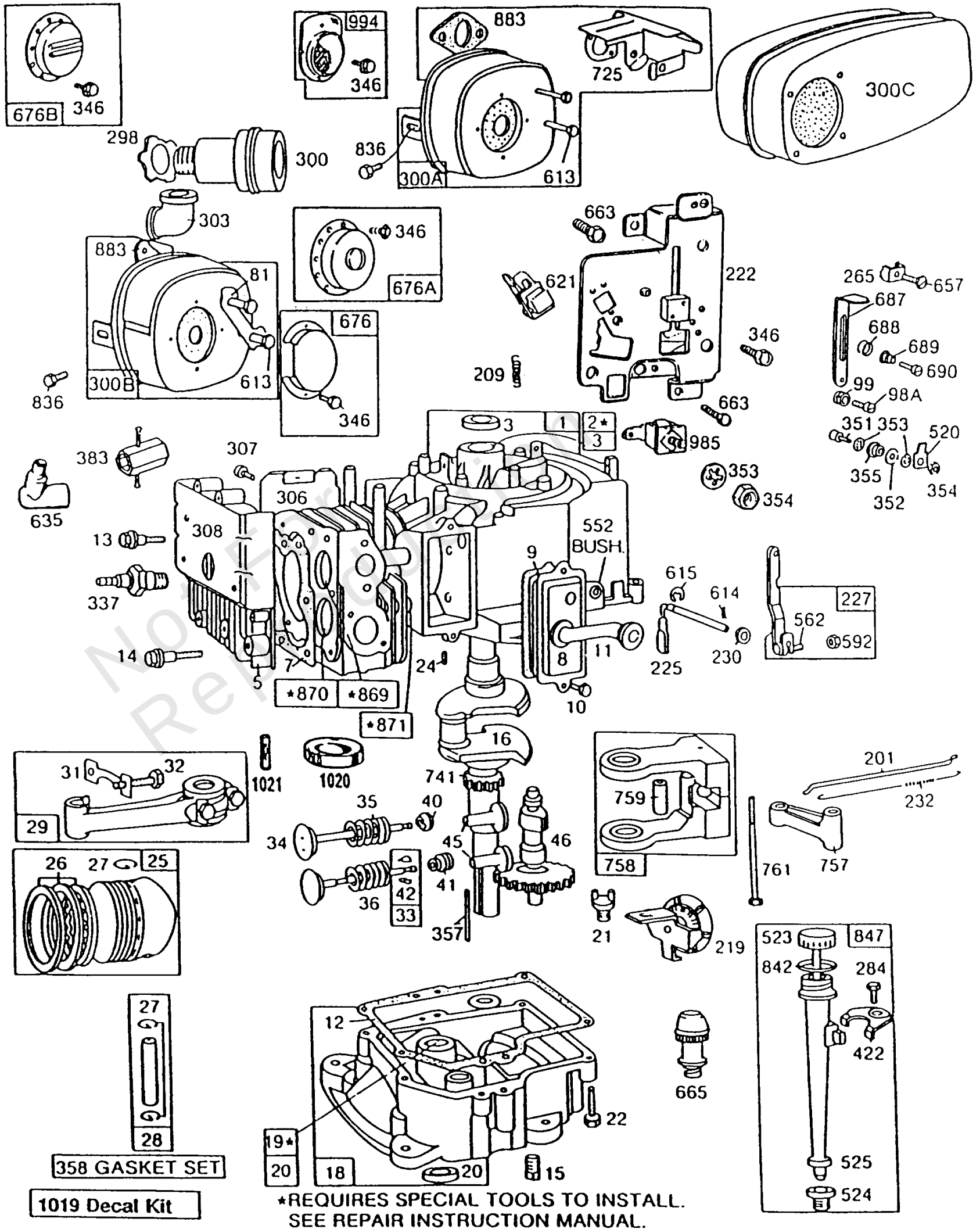


Cyl, Sump, Piston, Controls

REF NO	PART NO	QTY	DESCRIPTION
1	396269		CYLINDER ASSEMBLY
2	261960		KIT, Bushing/Seal
3	294606		SEAL, Oil
5	212286		HEAD, Cylinder
8	299848		BREATHER ASSEMBLY
9	27803		GASKET, Rocker Cover -Included in Gasket Set-Part No. 299577
10	93394		SCREW
11	280005		TUBE, Breather
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	93211		SCREW -(5/16-18 X 2-21/32)
13	93776		STUD -(Cylinder Head)
14	93723		SCREW -(3)
14	93781		STUD -(3 15/16)
15	91084		PLUG, Oil Drain -(3/8)
16	396876		CRANKSHAFT -Order Part 230978 for Timing Gear Pin Replacement
18	392548		SUMP, Engine
19	295963		KIT, Bushing/Seal
20	391086		SEAL, Oil -(Magnetos Side)
21	66768		PLUG, Oil
22	93585		SCREW -(Crankcase Cover)
24	222698		KEY, Flywheel
25	391673		PISTON ASSEMBLY -(Standard)
25	391674		PISTON ASSEMBLY -(.010 Oversize)
25	391675		PISTON ASSEMBLY -(.020 Oversize)
25	391676		PISTON ASSEMBLY -(.030 Oversize)
26	299743		SET, Ring -(.030 Oversize Chrome)
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:

Both Guards Use: 93712 Screw (2)

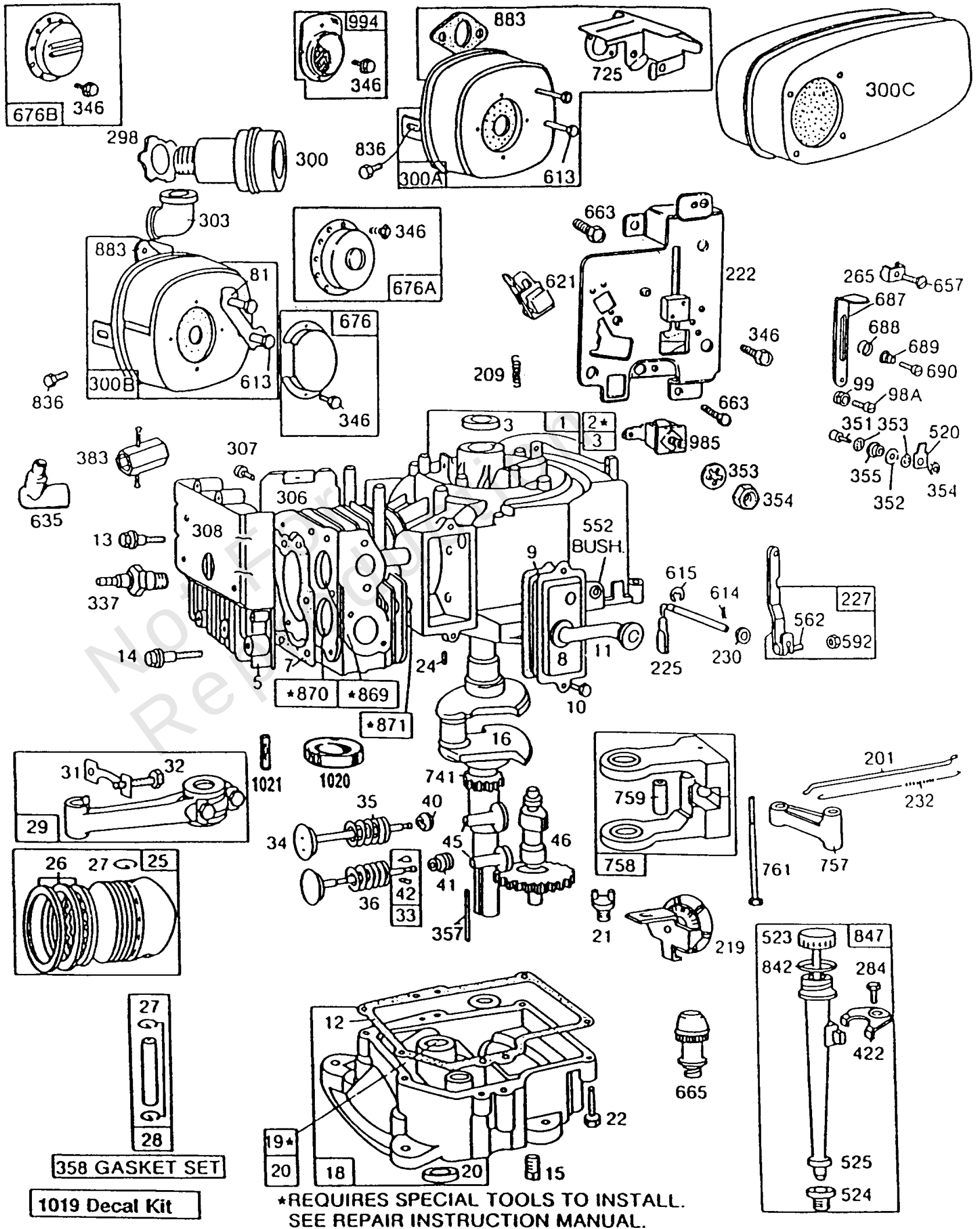


Cyl, Sump, Piston, Controls

REF NO	PART NO	QTY	DESCRIPTION
28	295840		PIN, Piston -(Standard)
28	295841		PIN, Piston -(.005 Oversize)
29	390402		ROD, Connecting -For Connecting Rod with .020 Undersize Crankpin Bore-Order No. 390773
31	222114		LOCK, Rod Screw
32	92659		SCREW -(Connecting Rod)
33	390419		VALVE, Exhaust -(Includes Retainer(s))
34	261055		VALVE, Intake
35	65906		SPRING, Valve -(Intake)
36	26828		SPRING, Valve -(Exhaust)
40	221596		RETAINER, Valve -(Valves With Groove In Stem)
41	292260		RETAINER, Valve -(Exhaust Valve) (Exhaust)
42	93630		KEEPER, Valve -(2)
45	260933		TAPPET, Valve
46	211689		CAMSHAFT
81	222263		LOCK, Muffler Screw -(3/8 Diameter Bolt Holes)
98A	90200		SCREW -(8-32 X 1/2)
99	26157		SPRING, Compression
201	260971		LINK, Choke -Used Before Code Date 82121010
201	261611		LINK, Choke -Used After Code Date 82121110
209	261306		SPRING, Governor
219	392718		SLINGER, Governor/Oil
222	390662		BRACKET, Control -Used Before Code Date 82121010
222	390746		BRACKET, Control -(Manual Choke) -Used After Code Date 82121110
222	390784		BRACKET, Control -(Choke-A-Matic) -Used After Code Date 85041400
222	396199		BRACKET, Control -Used After Code Date 82121110 and Before Code Date 85041500
225	231058		CRANK, Governor -(1/4 Diameter)
227	391733		LEVER, Governor Control -(1/4 Diameter)
230	222450		WASHER
232	260584		SPRING/LINK, Mechanical Governor -Used Before Code Date 82121010
232	261911		SPRING/LINK, Governor -Used After Code Date 82121110
265	221535		CLAMP, Casing -(Stamped Steel)

Footnotes:

Both Guards Use: 93712 Screw (2)

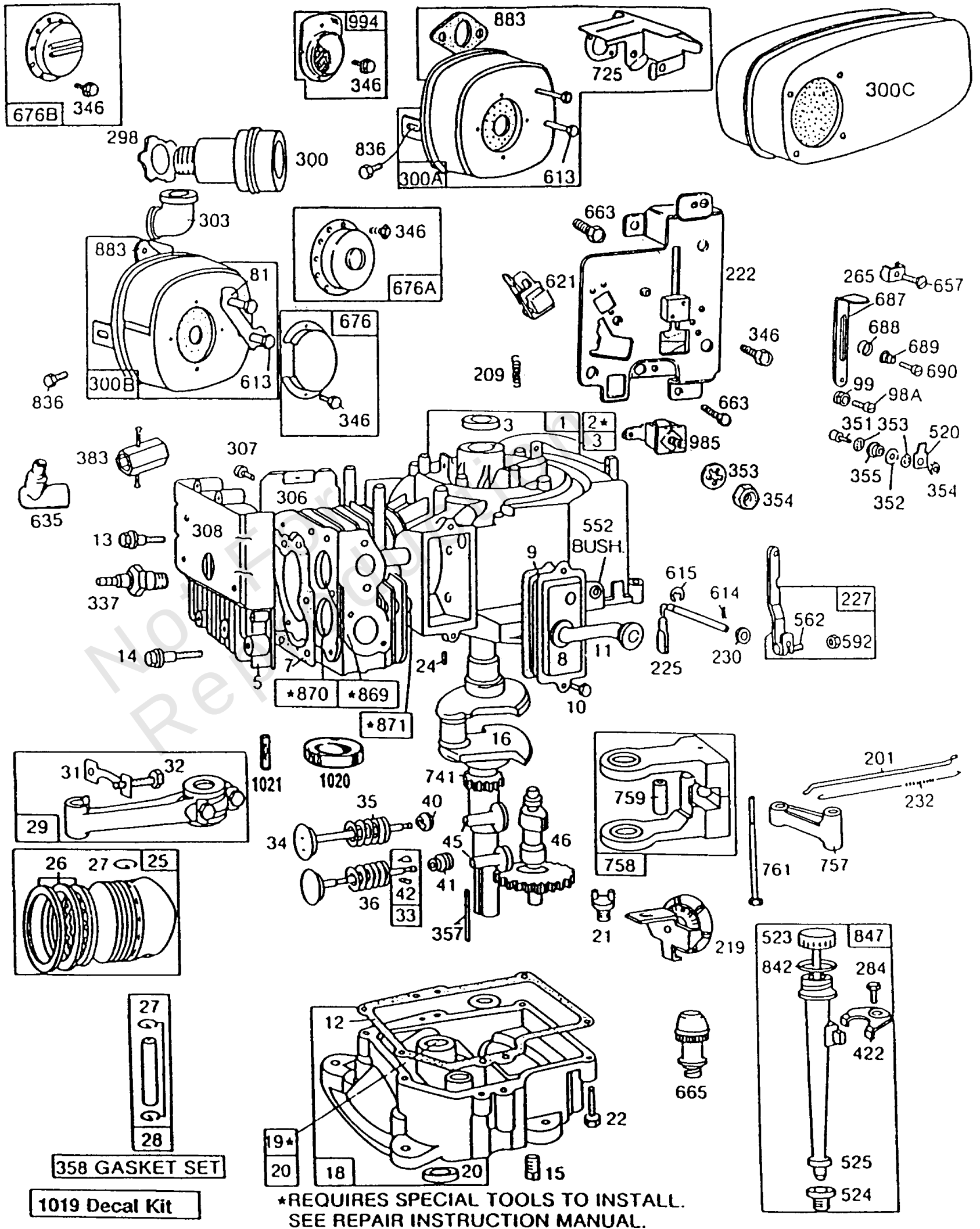


Cyl, Sump, Piston, Controls

REF NO	PART NO	QTY	DESCRIPTION
284	93804		SCREW -(Clamp Mounting)
298	261409		LOCKNUT -(Muffler and Elbow)
300C	392101		MUFFLER -(Super Lo Tone)
300B	391313		MUFFLER
300B	391232		MUFFLER -Uses: 93587 Screw-Muffler Bracket to Head 93606 Screw-Guard to Muffler
300A	398507		MUFFLER
300	393010		MUFFLER -(Round Lo Tone)
303	91205		ELBOW, Exhaust -(90 Degree)
306	222830		SHIELD, Cylinder
307	93163		SCREW
308	222636		COVER, Cylinder Head
337	293918		PLUG, Spark
337	298809		PLUG, Spark
346	93705		SCREW -(8-32 X 3/8)
351	91920		SCREW -(8-32 X 5/8)
351	93735		SCREW
352	66068		WASHER -(Fiber)
353	92791		WASHER
354	90576		NUT -(Ground Terminal)
355	66554		WASHER -(Insulating)
357	91540		KEY, Drive Pulley -(1/4)
358	299577		GASKET SET, Engine
383	89838		WRENCH, Spark Plug
422	222502		CLAMP, Tube
520	93722		TERMINAL, Ground
523	391840		DIPSTICK/CAP ASSEMBLY -(Screw Cap)
524	68838		SEAL, O-Ring -(Dipstick Tube)
525	280133		TUBE, Dipstick -(Plastic Screw Cap Dipstick)
552	231055		BUSHING, Governor Crank -(1/4 I.D.)
562	92613		BOLT -(Governor Lever)
592	231082		NUT -(Governor Control)
613	93704		SCREW -(Muffler) -Used Before Code Date 82091300
613	94042		SCREW -(Muffler) -Used After Code Date 82091400

Footnotes:

Both Guards Use: 93712 Screw (2)

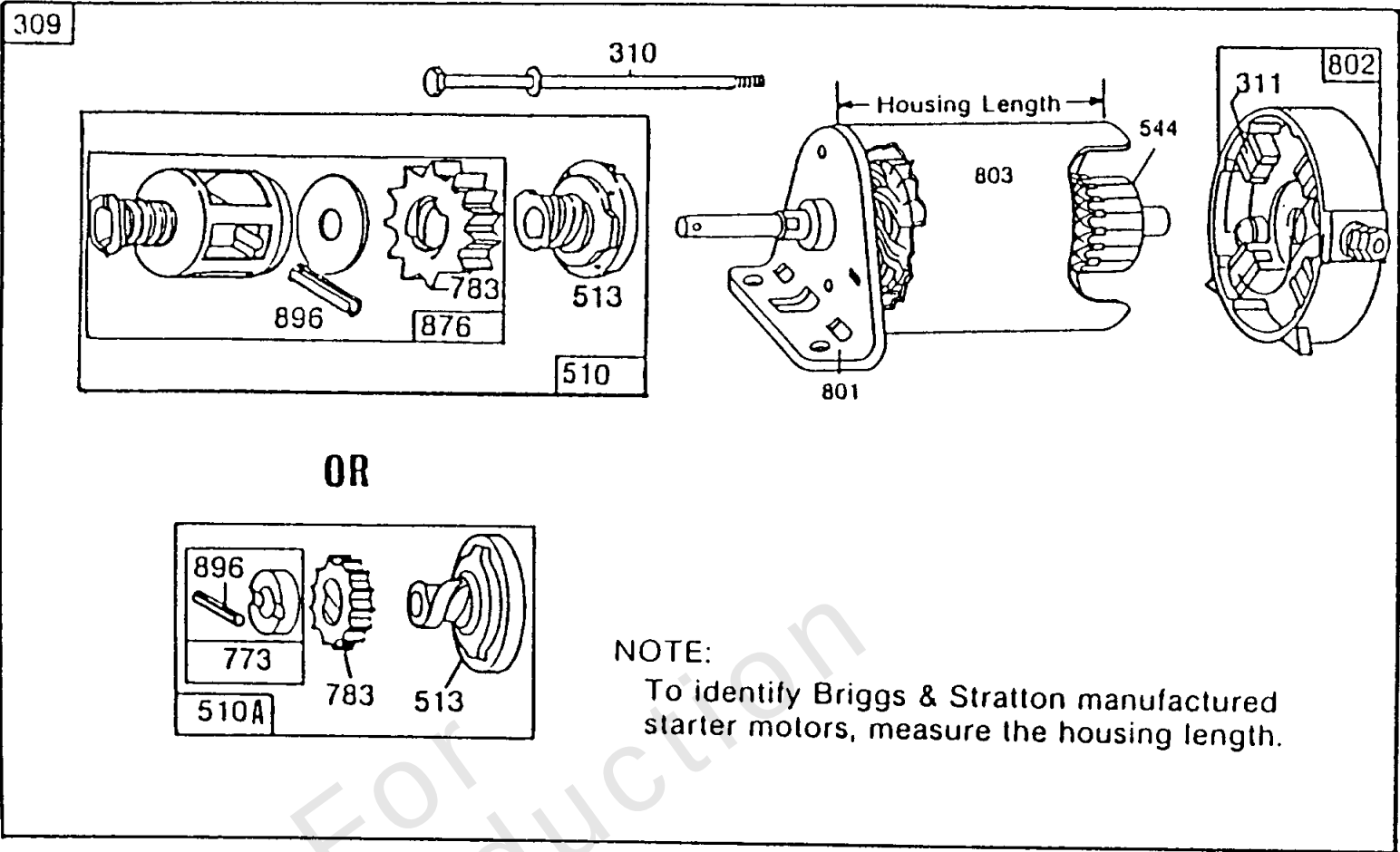


Cyl, Sump, Piston, Controls

REF NO	PART NO	QTY	DESCRIPTION
614	93306		PIN, Cotter
615	93307		RETAINER, Governor Shaft
621	297472		SWITCH, Stop -Used After Code Date 85041500
621	396847		SWITCH, Stop -Used After Code Date 85041400
635	66538		BOOT, Spark Plug
657	93496		SCREW -(10-32 X 5/8)
663	93572		SCREW -(10-32 X 3/8)
665	296768		MINDER, Oil
676A	395700		DEFLECTOR, Muffler -(Direct Outlet)
676B	393758		DEFLECTOR, Muffler -(Louvered Outlet)
676	393757		DEFLECTOR, Muffler -(Side Outlet)
687	390690		SLIDE, Control
688	221766		SPRING, Friction
689	260847		SPRING, Friction
690	92484		SCREW
725	223540		SHIELD, Heat
741	261195		GEAR, Timing -(Pin)
757	212359		LINK, Counterweight
758	390172		PIN, Counterweight
759	298909		PIN, Piston
761	93874		SCREW
836	93559		SCREW -(Tank) (Fuel Tank)
842	270920		SEAL, O-Ring -(Dipstick Tube) (Oil Fill)
847	392066		DIPSTICK/TUBE ASSEMBLY
869	211661		SEAT, Valve -(Exhaust)
870	211661		SEAT, Valve -(Exhaust)
871	231218		BUSHING, Valve Guide -(Intake)
883	270918		GASKET, Exhaust
985	398525		INSULATOR
994	399541		ARRESTOR, Spark
1019	491182		KIT, Label
1020	261190		ECCENTRIC -Used After Code Date 85020100
1021	94160		PIN, Retainer -Used After Code Date 85020100

Footnotes:

Both Guards Use: 93712 Screw (2)



Reference Number		309	310	311	510	510A	544	801	802	803
Manufacturer		Motor and Control Ass'y.	Thru Bolt Assembly	Brush Assembly	Drive Assembly	Drive Assembly	Armature Assembly	Drive End Cap Assembly	End Cap Ass'y. Commutator	Housing Assembly
Briggs & Stratton	Housing Length									
12V	3-21/32"	394805	94003	395538	396865**	-	390837	394857	395537*	393825
120V	3-1/2"	393851	94004	393612	-	391461***	393607	394398	393833*	393433

- *Includes Brush Set
- **Includes #391135 Clutch Assembly (Ref. No. 513)
#280104 Gear (Ref. No. 783)
#393254 Retainer and Pin (Ref. No. 773)
93754 Roll Pin (Ref. No. 896)
- ***Includes #391135 Clutch Assembly (Ref. No. 513)
#280104 Gear (Ref. No. 783)
#393254 Retainer and Pin (Ref. No. 876)
93754 Roll Pin (Ref. No. 896)

Electric Starter and Chart

REF NO	PART NO	QTY	DESCRIPTION
309	393851		MOTOR, Starter -(3 1/2 Housing) (Briggs & Stratton 110V)
309	394805		MOTOR, Starter -(3 1/16 Housing)
310	94003		SCREW -(3 5/8 Housing)
310	94004		SCREW -(4 3/8 Housing)
311	393612		SET, Brush -(3 1/2 Housing) (110V)
311	395538		SET, Brush -(3-5/8 or 4 3/8 Housing)
510A	391461		DRIVE, Starter -(3 1/2 Housing) Includes #391135 Clutch Assembly (Ref. No. 513) #280104 Gear (Ref. No. 783) #393254 Retainer and Pin (Ref. No. 876) #93754 Roll Pin (Ref. No. 896)
510	396865		DRIVE, Starter -(3 21/32 Housing) Includes #391135 Clutch Assembly (Ref. No. 513) #280104 Gear (Ref. No. 783) #393254 Retainer and Pin (Ref. No. 773) #93754 Roll Pin (Ref. No. 896)
544	390837		ARMATURE, Starter -(3 5/8 Housing)
544	393607		ARMATURE, Starter -(3 1/2 Housing) (110V)
801	394398		CAP, Drive -(3 1/2 Housing)
801	394857		CAP, Drive -(3-21/32 or 4 9/16 Housing)
802	393833		CAP, End -(3 1/2 Housing) (Briggs & Stratton 110V) Includes Brush Set
802	395537		CAP, End -(3 5/8 Housing) Includes Brush Set
803	393433		HOUSING, Starter -(3 1/2 Housing) (Briggs & Stratton 110V)
803	393825		HOUSING, Starter -(3 5/8 Housing)

Footnotes:

Both Guards Use: 93712 Screw (2)

Replacement Engine - US & Canada

REF NO	PART NO	QTY	DESCRIPTION
	2179024020	1	Replacement Engine
	-----		Top No-Load Speed: 3600 -Trim: ALL
	-----		Service Note: If the replacement engine supersedes to or is a Model 210000 series engine, refer to the illustrations located after the conversion data for this model series. The overall dimensions which differ, are shown in the illustrations.
	-----		Service Note: If after making a visual inspection and it is determined the Model 210000 series engine cannot be used because of equipment interference, the original engine should be repaired with a short block and/or individual parts.

