

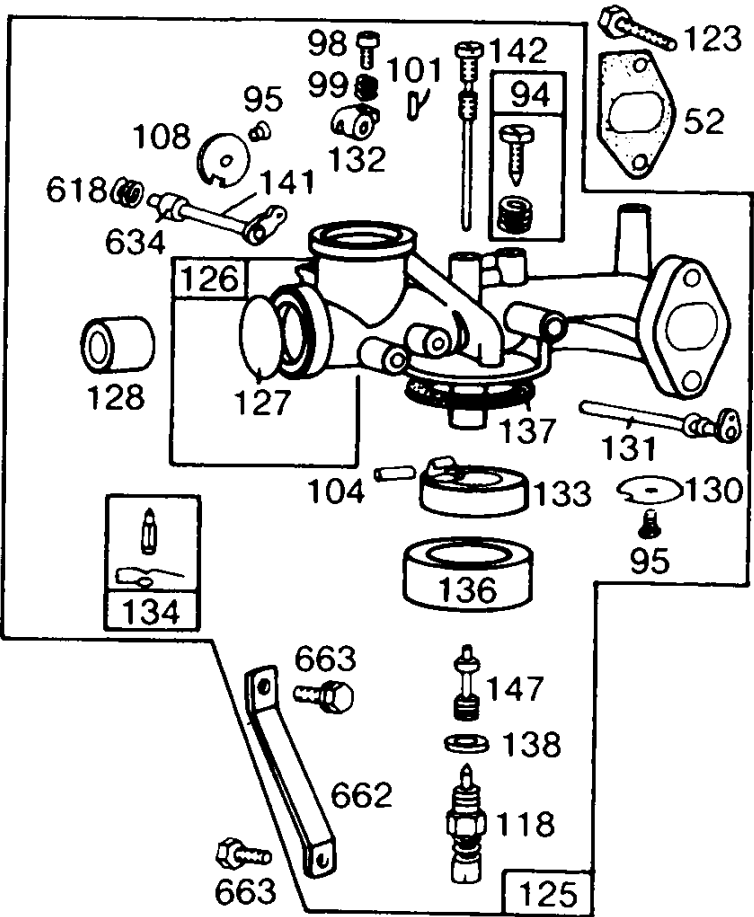
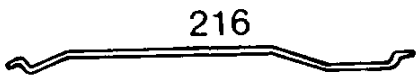
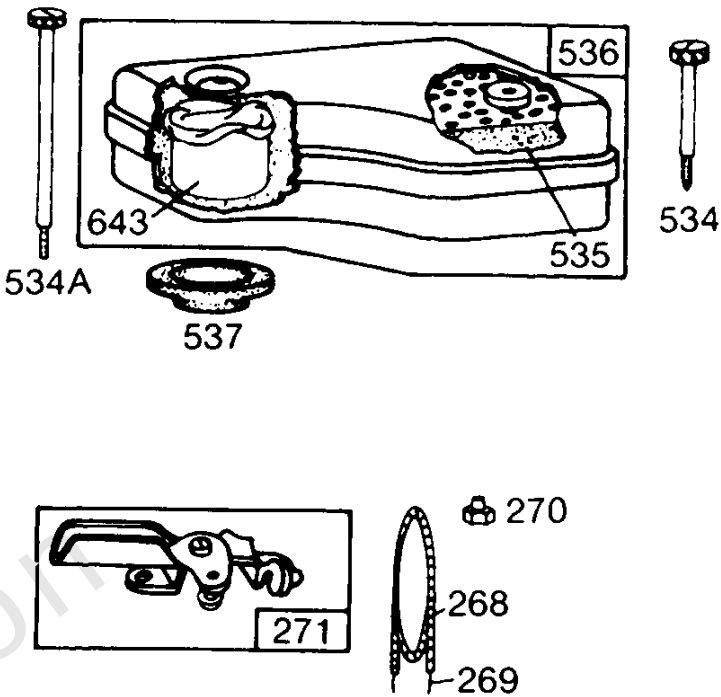
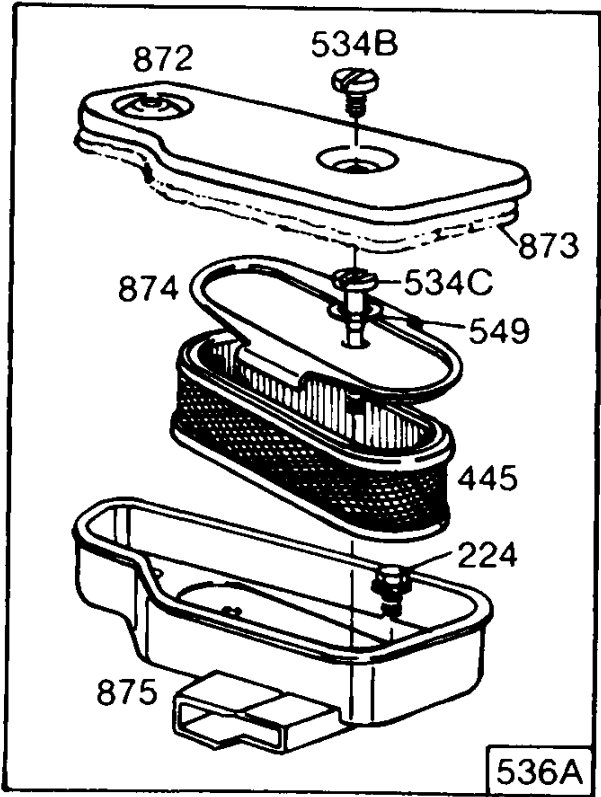


Parts Manual

Mfg. No: 190702-1015-99

Model Components	Page
Carburetors,Air Cleaner Grps.	4
Cyl, Sump, Piston,Oil Fill.	8
Electric Starter and Chart.	18
Electric Starter,Alternators.	20
Fuel Tank, Mufflers & Parts.	24
Replacement Engine - US & Canada.	26

Not For
Reproduction

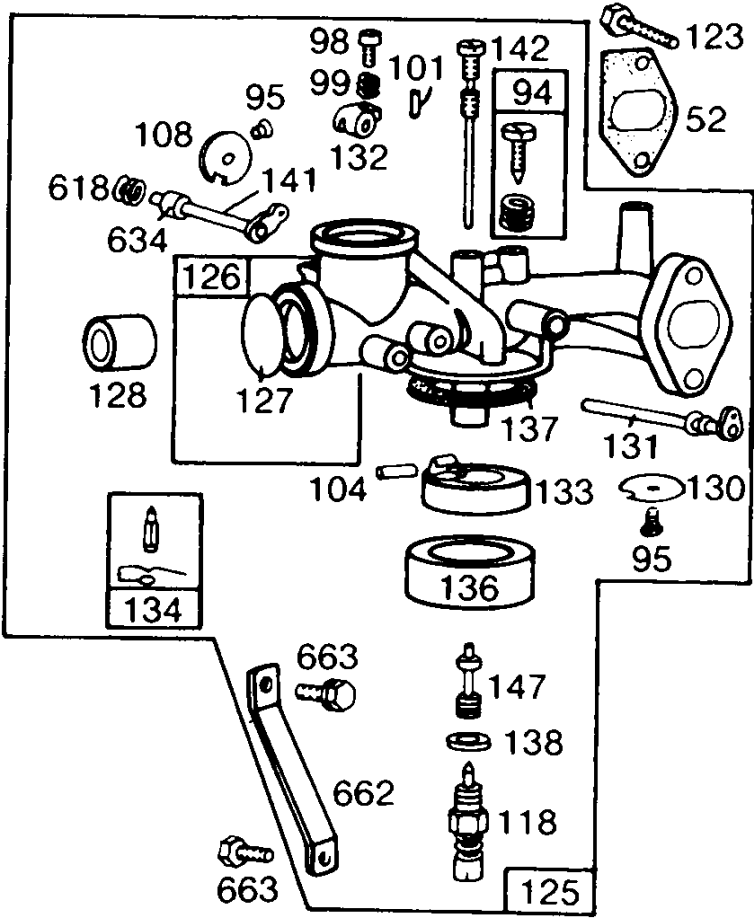
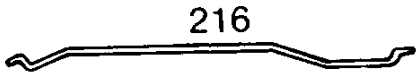
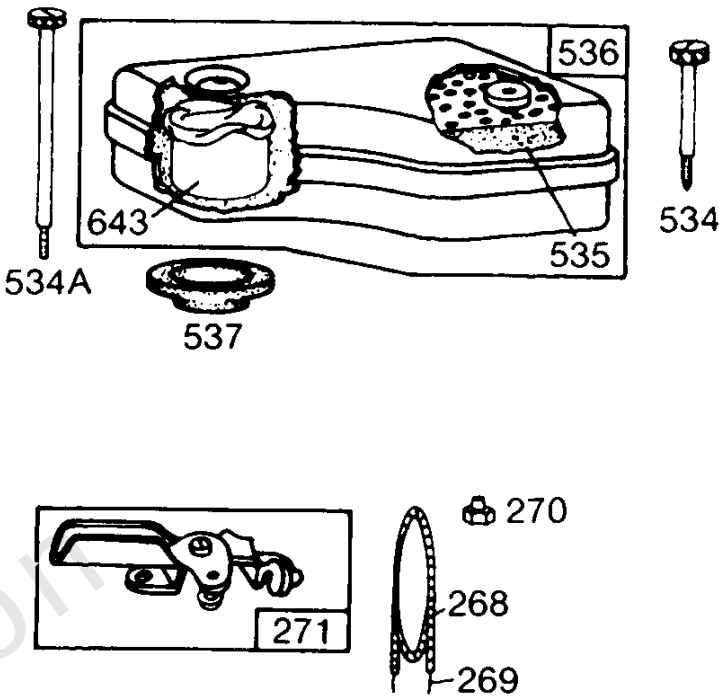
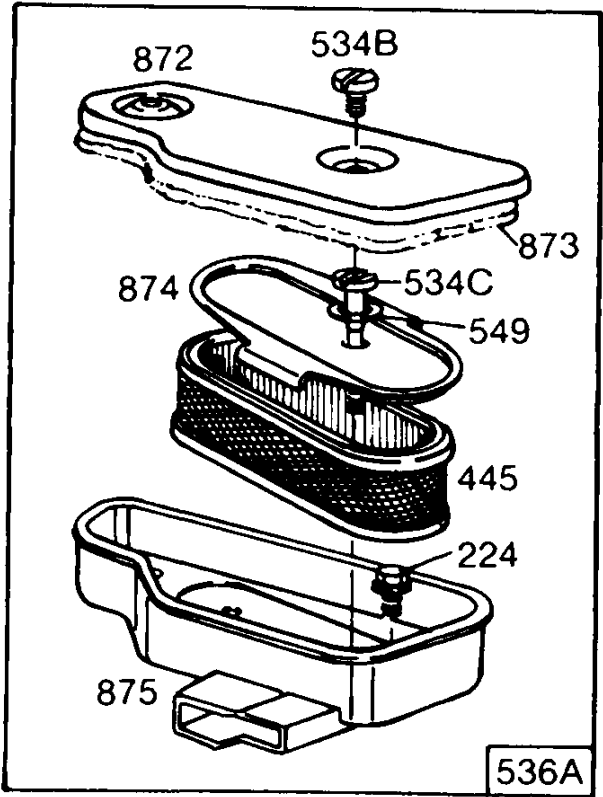


Carburetors,Air Cleaner Grps

REF NO	PART NO	QTY	DESCRIPTION
52	270538		GASKET, Intake
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
118	391233		VALVE, Float Needle -Included in Carburetor Overhaul Kit-Part No. 394698
121	299852		CARBURETOR -Used Before Code Date 81033000
121	394698		KIT, Carburetor Overhaul -Used After Code Date 81032700
123	93357		SCREW
125	390811		CARBURETOR -(Choke-A-Matic)
126	299851		BODY, Lower Carburetor
127	221997		PLUG, Welch
128	211682		VENTURI, Carburetor
130	221986		VALVE, Throttle
131	391512		SHAFT, Throttle
132	211712		STOP, Throttle
133	299707		FLOAT, Carburetor
134	394681		KIT, Needle/Seat -(Gravity Feed) Order No. 394683 for Fuel Pump Application. Included in Carburetor Overhaul Kit-Part No. 394698
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
141	299647		SHAFT, Choke -Uses: 23270 Screw-Choke Lever 26229 Spring-Choke Lever
141	390684		SHAFT, Choke -(Choke-A-Matic)
142	299740		NOZZLE, Carburetor -Included in Carburetor Overhaul Kit-Part No. 394698
147	230932		SCREW -(Nozzle) Included in Carburetor Overhaul Kit-Part No. 394698
216	261117		LINK, Choke
224	94018		SCREW
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)

Footnotes:

Use 392918 Starter Panel Kit on Engines
Use 222751 Instrument Panel on Engines
(Used only for Ref. No. 125 Carburetors)



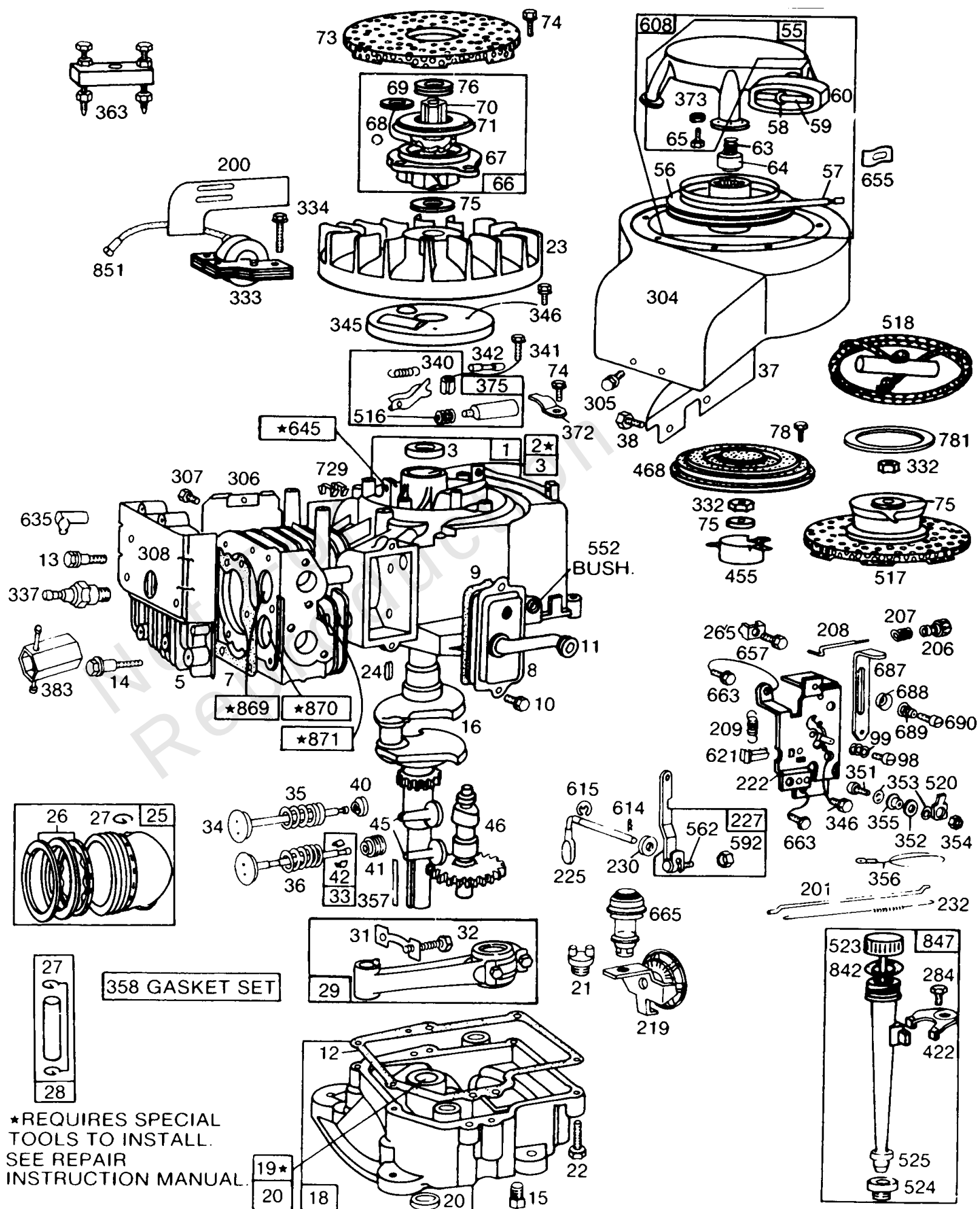
121 CARBURETOR OVERHAUL KIT

Carburetors,Air Cleaner Grps

REF NO	PART NO	QTY	DESCRIPTION
271	290568		LEVER, Control
445	393406		FILTER, A/C Cartridge
534C	93881		SCREW -(Air Cleaner)
534B	93913		SCREW
534A	93323		SCREW
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)
618	261116		SPRING, Choke Return
634	270382		WASHER -(Foam)
643	222149		CUP, Air Cleaner
662	222027		BRACKET, Support
663	93572		SCREW -(10-32 X 3/8)
872	222897		COVER, Air Cleaner
873	271171		GASKET, Air Cleaner
874	222898		RETAINER, Air Filter
875	393828		BASE, Air Cleaner

Footnotes:

Use 392918 Starter Panel Kit on Engines
Use 222751 Instrument Panel on Engines
(Used only for Ref. No. 125 Carburetors)

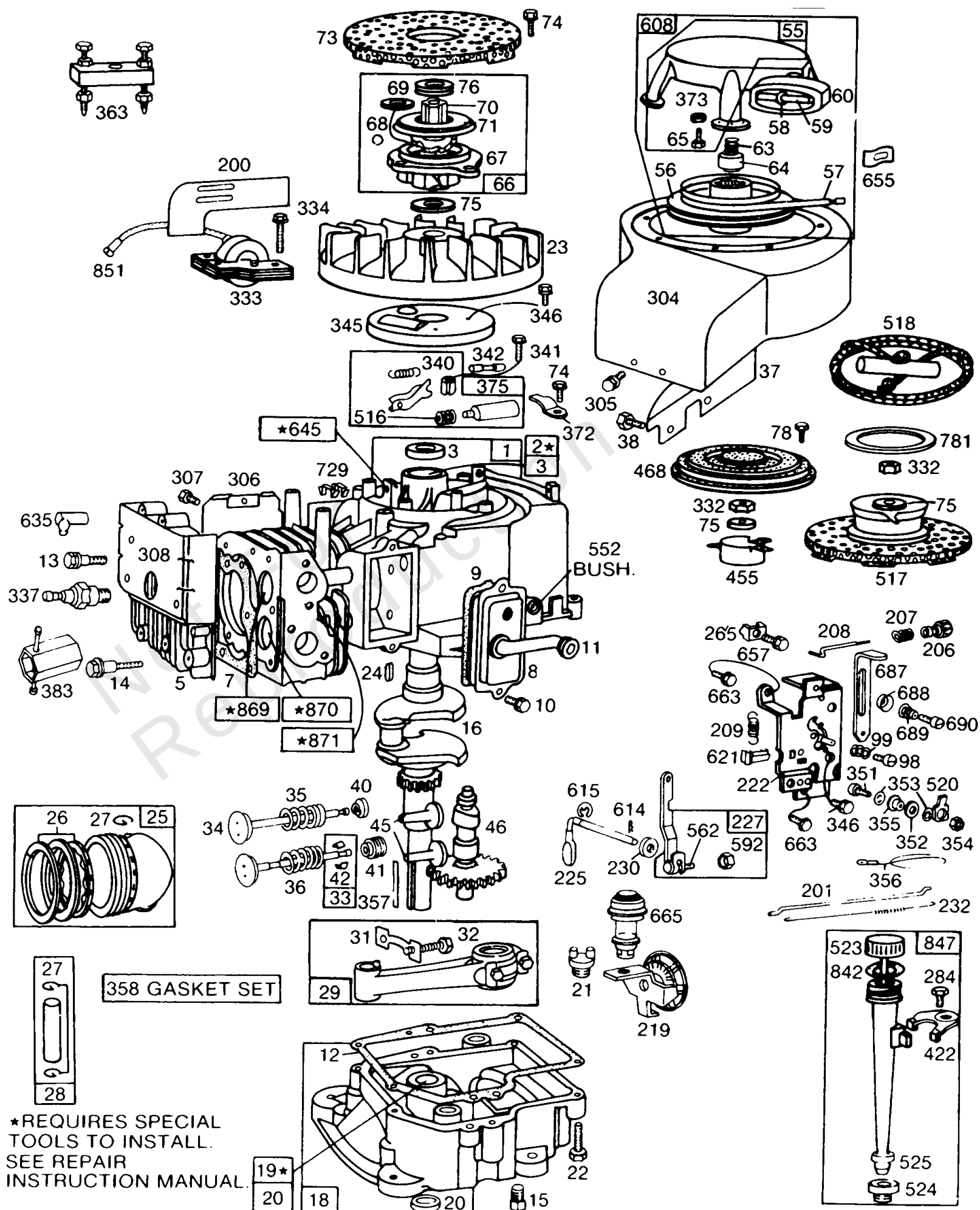


Cyl, Sump, Piston, Oil Fill

REF NO	PART NO	QTY	DESCRIPTION
1	392004		CYLINDER ASSEMBLY
2	295962		KIT, Bushing/Seal
3	294606		SEAL, Oil
5	212286		HEAD, Cylinder
7	270430		GASKET, Cylinder Head -Included in Gasket Set-Part No. 299577
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	261038		CRANKSHAFT
18	392548		SUMP, Engine
19	295963		KIT, Bushing/Seal
20	391086		SEAL, Oil -(Magnetos Side)
21	66768		PLUG, Oil
22	93585		SCREW -(Crankcase Cover)
23	298260		FLYWHEEL
24	61760		KEY, Flywheel -(Breaker Ignition)
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)

Footnotes:

Use 392918 Starter Panel Kit on Engines
Use 222751 Instrument Panel on Engines

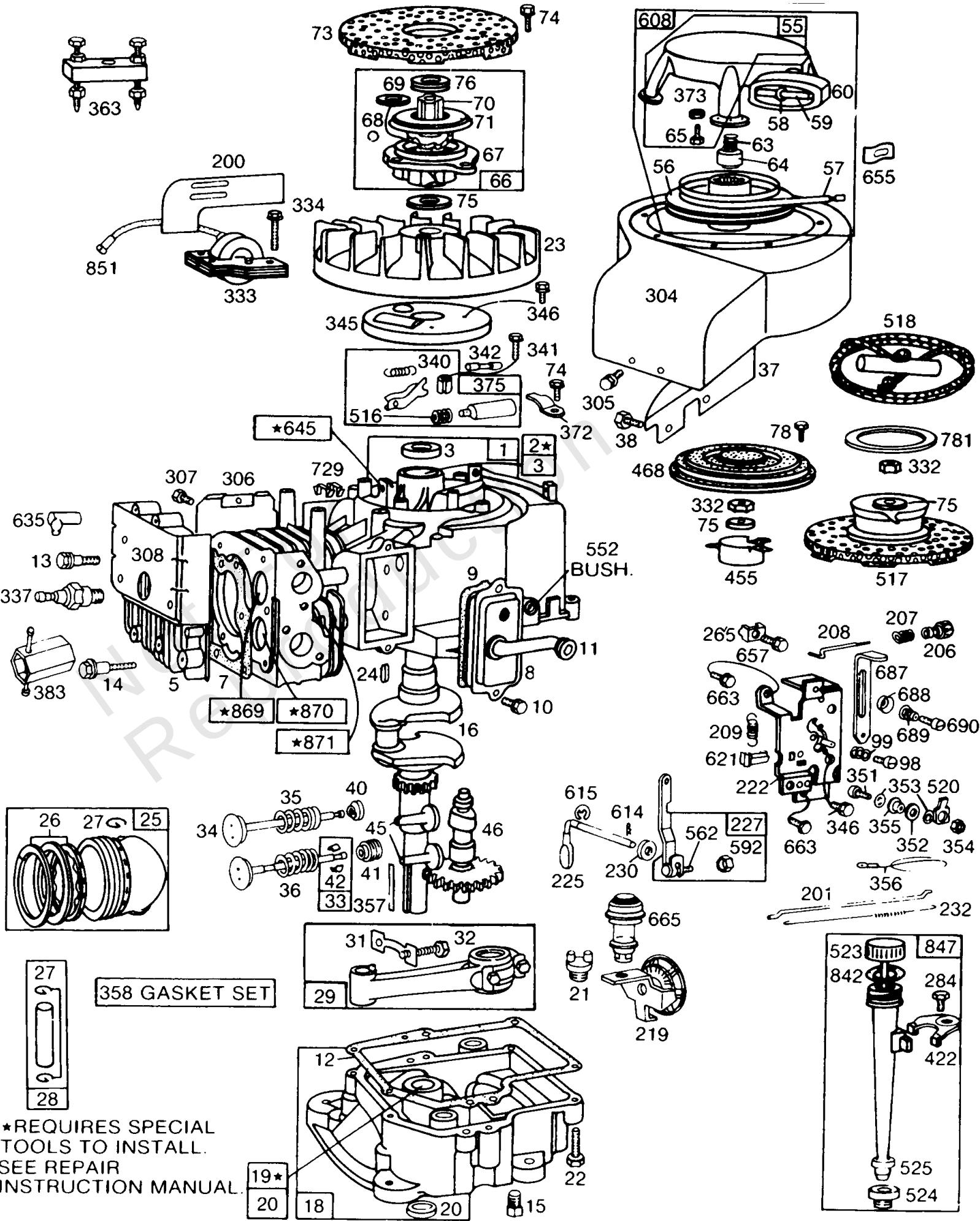


Cyl, Sump, Piston, Oil Fill

REF NO	PART NO	QTY	DESCRIPTION
26	391672		SET, Ring -(.030 Oversize)
27	68546		LOCK, Piston Pin
28	295840		PIN, Piston -(Standard)
28	295841		PIN, Piston -(.005 Oversize)
29	390402		ROD, Connecting -For Connecting Rod with .020 undersize Crankpin Bearing-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)
37	222475		GUARD, Flywheel
38	93777		SCREW
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
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	294303		SPRING, Rewind Starter
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
65	93067		SCREW -(3/8)
66	394588		SHAFT, Throttle
67	394897		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

Footnotes:

Use 392918 Starter Panel Kit on Engines
Use 222751 Instrument Panel on Engines

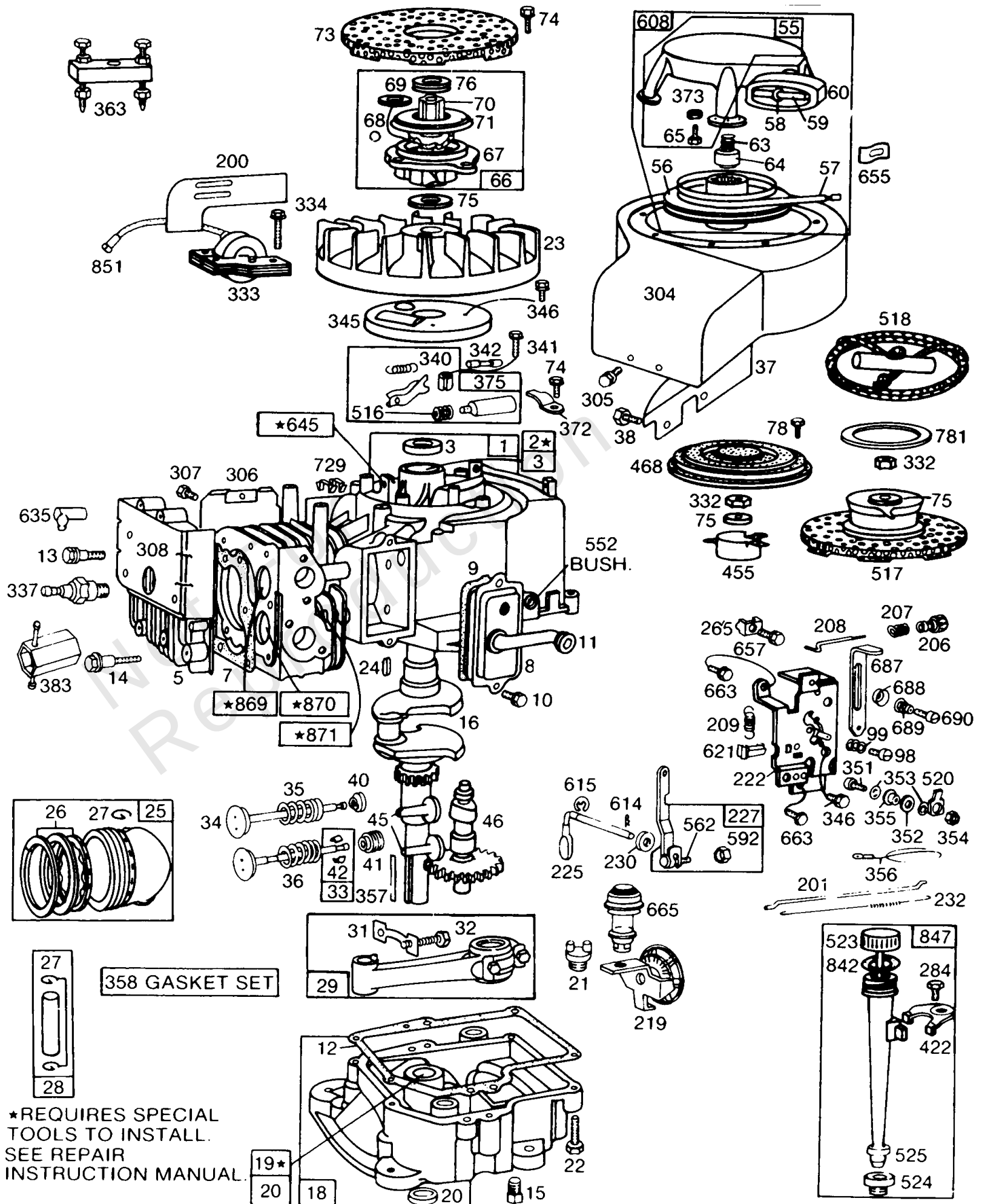


Cyl, Sump, Piston, Oil Fill

REF NO	PART NO	QTY	DESCRIPTION
75	220865		WASHER -(Heavy Flywheel)
76	68238		SEAL, Ratchet
78	93805		SCREW
98	91920		SCREW -(8-32 X 5/8)
99	26157		SPRING, Compression
200	221760		GUIDE, Air
201	260971		LINK, Choke
206	230149		NUT, Governor Adjusting -(5-44)
207	26855		SPRING, Governor Link
208	230841		ROD, Governor Control
209	261306		SPRING, Governor
219	392718		SLINGER, Governor/Oil
222	390662		BRACKET, Control
225	231058		CRANK, Governor -(1/4 Diameter)
227	391733		LEVER, Governor Control -(1/4 Diameter)
230	222450		WASHER
232	260584		SPRING/LINK, Mechanical Governor
265	221535		CLAMP, Casing -(Stamped Steel)
284	93804		SCREW -(Clamp Mounting)
304	299853		HOUSING, Blower
304	391379		HOUSING, Blower
305	93158		SCREW -(1/4-20 X 5/8)
306	222830		SHIELD, Cylinder
307	93163		SCREW
308	222636		COVER, Cylinder Head
332	92284		NUT -(Flywheel)
333	298968		ARMATURE, Magneto -(Breaker Ignition)
334	93381		SCREW
337	293918		PLUG, Spark
337	29693		PLUG, Spark
337	298809		PLUG, Spark
340	26018		SPRING, Breaker Arm
341	93381		SCREW
342	65704		PLUNGER, Breaker
345	222117		COVER, Breaker
346	93705		SCREW -(8-32 X 3/8)
351	93735		SCREW
352	66068		WASHER -(Fiber)
353	92791		WASHER

Footnotes:

Use 392918 Starter Panel Kit on Engines
Use 222751 Instrument Panel on Engines

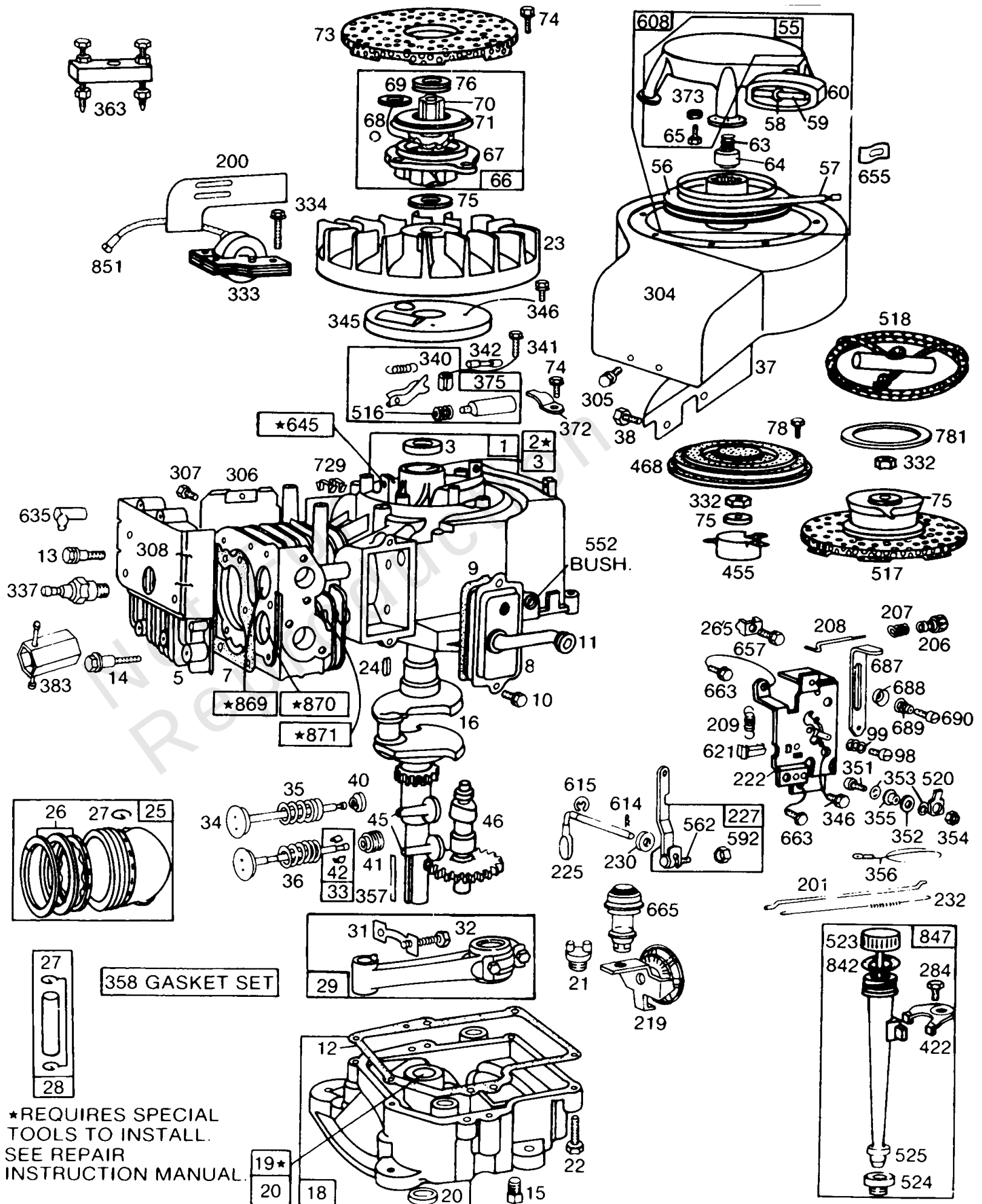


Cyl, Sump, Piston, Oil Fill

REF NO	PART NO	QTY	DESCRIPTION
354	90576		NUT -(Ground Terminal)
355	66554		WASHER -(Insulating)
356	391255		WIRE, Stop -Used in addition to No. 299500 Ground Wire
357	91540		KEY, Drive Pulley -(1/4)
358	299577		GASKET SET, Engine
363	19165		PULLER, Flywheel
372	220477		CLAMP
373	92987		STARTER, Rewind
375	294628		BREAKER, Ignition
383	89838		WRENCH, Spark Plug
422	222502		CLAMP, Tube
455	222561		CUP, Flywheel
468	222562		SCREEN, Rotating
516	260374		SPRING, Condensor
517	295423		PULLEY, Rope Starter
518	69932		GRIP, Starter Rope
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)
608	390391		STARTER, Rewind
614	93306		PIN, Cotter
615	93307		RETAINER, Governor Shaft
621	297472		SWITCH, Stop
635	66538		BOOT, Spark Plug
645	23513		BUSHING, Plunger -(Used only with Breaker Point Ignition)
655	222598		ANCHOR, Rewind Spring -(Stamped Rewind Housing)
657	93496		SCREW -(10-32 X 5/8)
663	93572		SCREW -(10-32 X 3/8)
665	296768		MINDER, Oil
687	390690		SLIDE, Control
688	221766		SPRING, Friction
689	260847		SPRING, Friction
690	92484		SCREW
729	221907		CLIP, Wire

Footnotes:

Use 392918 Starter Panel Kit on Engines
Use 222751 Instrument Panel on Engines



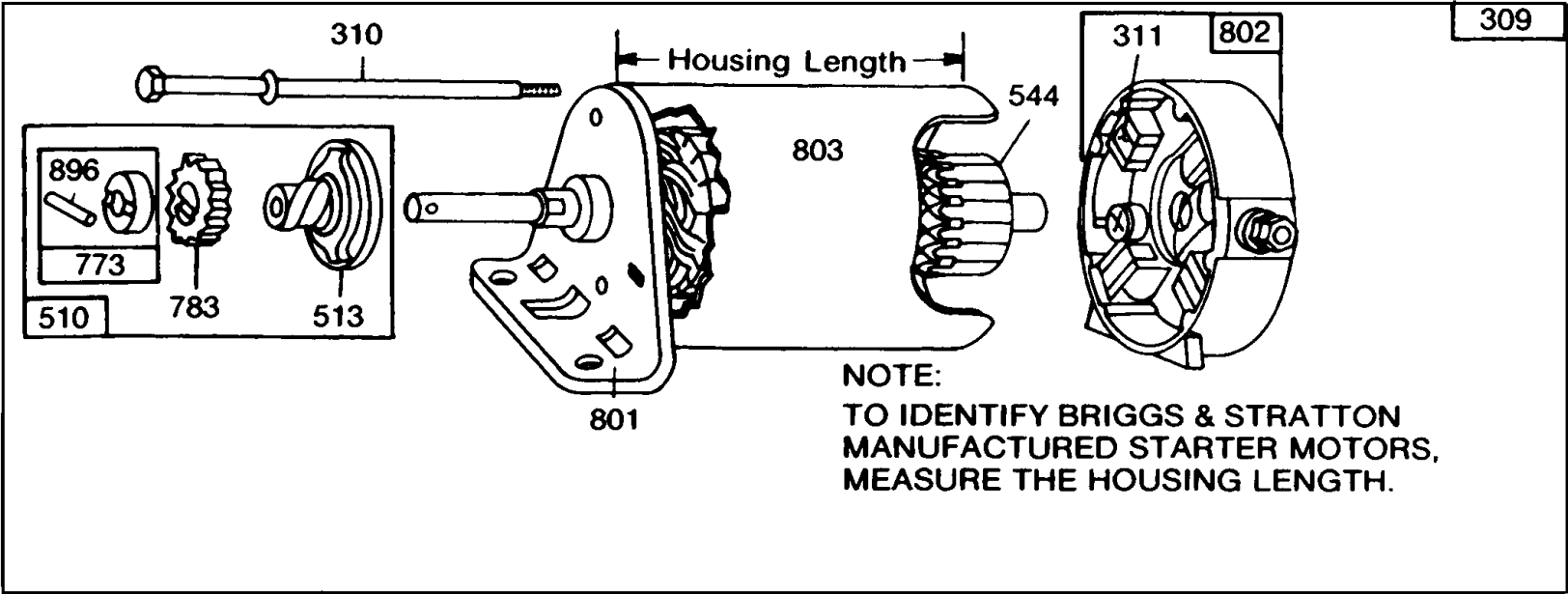
Cyl, Sump, Piston,Oil Fill

REF NO	PART NO	QTY	DESCRIPTION
781	280068		CAP, Starter Pulley
842	270920		SEAL, O-Ring -(Dipstick Tube) (Oil Fill)
847	392066		DIPSTICK/TUBE ASSEMBLY
851	221798		TERMINAL, Spark Plug
869	211661		SEAT, Valve -(Exhaust)
870	211661		SEAT, Valve -(Exhaust)
871	-----		No Nomenclature -231218 or 230655 See Repair Manual

Not For
Reproduction

Footnotes:

Use 392918 Starter Panel Kit on Engines
Use 222751 Instrument Panel on Engines



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
Starter Motor Mfr		Motor and Drive Assy.	Drive Assembly	End Cap Assy Drive	Armature Assembly	Housing Assembly	End Cap Assy Commutator*	Brush Assembly	Thru Bolt Assembly
Briggs & Stratton	Housing Length								
†12V	3-1/16"	392749	391461**	392061	392747	392744	390846	391705	391706
12V	3-21/32"	394805	391461**	394856	392747	393825	395537	395538	94003

*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)

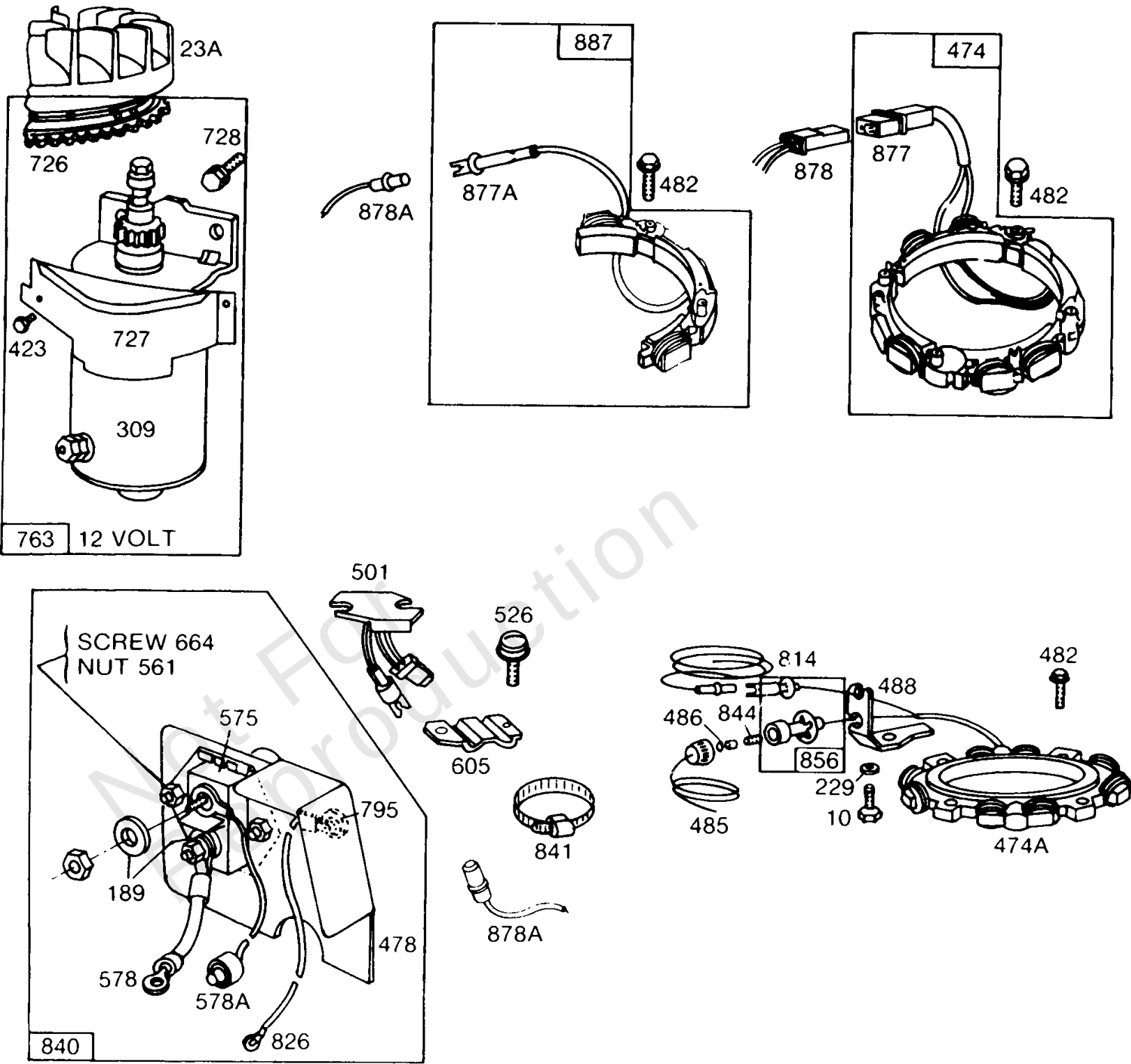
NOTE **Style Identification** of 12 Volt Motors New Style Thru Bolt Heads are Located on the Brush End Head Side
†Old Style Brush End Head is 13 16" Wide

Electric Starter and Chart

REF NO	PART NO	QTY	DESCRIPTION
309	392749		MOTOR, Starter -(3 1/16 Housing) Old Style: Brush End Head is 13/16 Wide
309	394805		MOTOR, Starter -(3 1/16 Housing)
310	391706		SCREW -(3 1/16 Housing) Old Style: Brush End Head is 13/16 Wide
310	94003		SCREW -(3 5/8 Housing)
311	391705		SET, Brush -(3 1/16 Housing) Old Style: Brush End Head is 13/16 Wide
311	395538		SET, Brush -(3-5/8 or 4 3/8 Housing)
510	391461		DRIVE, Starter -(3 1/2 Housing) Old Style: Brush End Head is 13/16 Wide. 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)
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	392747		ARMATURE, Starter -(3 21/32 Housing)
544	392747		ARMATURE, Starter -(3 21/32 Housing) Old Style: Brush End Head is 13/16 Wide
801	392061		CAP, Drive -Old Style: Brush End Head is 13/16 Wide (3-1/16 or 3-3/4 Housing)
801	394856		CAP, Drive
802	390846		CAP, End -(3 1/16 Housing) Old Style: Brush End Head is 13/16 Wide. Includes Brush Set
802	395537		CAP, End -(3 5/8 Housing) Includes Brush Set
803	392744		HOUSING, Starter -(3 1/16 Housing) Old Style: Brush End Head is 13/16 Wide
803	393825		HOUSING, Starter -(3 5/8 Housing)

Footnotes:

Use 222751 Instrument Panel on Engines

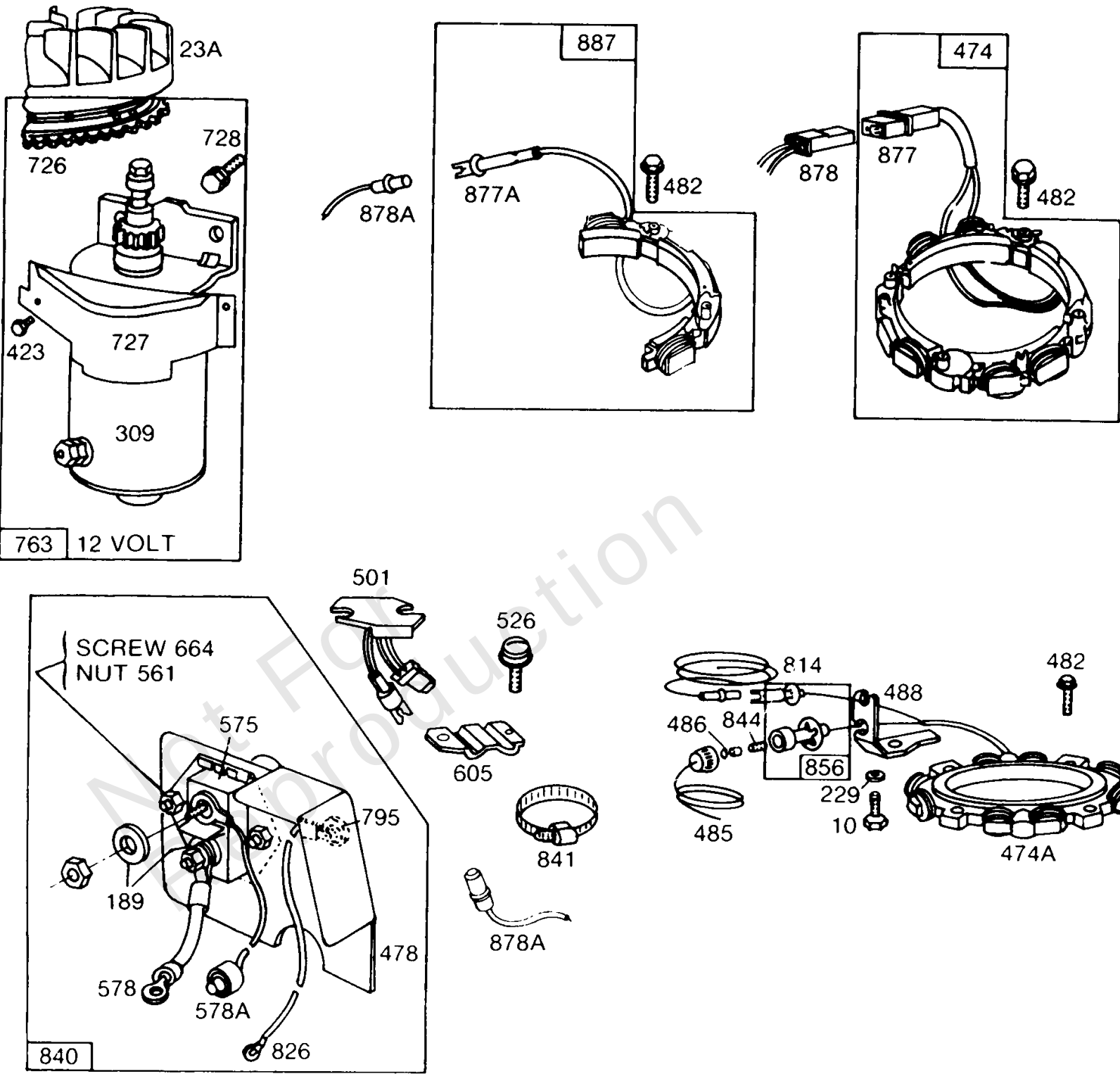


Electric Starter, Alternators

REF NO	PART NO	QTY	DESCRIPTION
10	93394		SCREW
23A	392034		FLYWHEEL -(Aluminum Ring Gear) For use only on electric starter engines WITHOUT ALTERNATOR (Aluminum Ring Gear Inc.) For Plastic Drive Gear Starter
23A	391983		FLYWHEEL -(Engines With Alternator) For use on engines WITH ALTERNATOR (Includes aluminum ring gear.) for Plastic Drive Gear Starter
189	90366		WASHER
229	220680		WASHER
309	392749		MOTOR, Starter -(3 1/16 Housing) Old Style: Brush End Head is 13/16 Wide
309	394805		MOTOR, Starter -(3 1/16 Housing)
423	93410		SCREW -Used with Metal Starter Cover
423	93984		SCREW
474A	393800		ALTERNATOR -(Dual Circuit With Fuse)
474	393295		ALTERNATOR -(Uses Ref. No. 878A) (10, 13, or 16 Amp-Depending on Size of Flywheel Magnets) (Regulated)
474	393474		ALTERNATOR -(Dual Circuit)
478	395410		KIT, Panel -Used Before Code Date 81102100
482	93621		SCREW -(Tapping)
485	390888		CAP, Wire/Fuse
486	391507		RECTIFIER
488	222211		BRACKET, Mounting
501	393374		REGULATOR -(10 Amp)
526	93343		SCREW -(Control Panel)
561	92278		NUT -(Starting Switch)
575	299139		SWITCH, Starting
578A	393109		WIRE ASSEMBLY -(Starter Switch To Alternator)
578	392683		CABLE, Starter
605	222934		BRACKET, Mounting
664	93415		SCREW -(1/4-20 X 3/4)
726	392134		GEAR, Ring
727	391629		COVER, Starter Drive -(Motor 392749) (Not Used with Starter Motor 394805)
727	395405		COVER, Starter Drive
728	93523		SCREW -(5/16-18 X 11/16)
763	391604		KIT, Electric Starter -(12 Volt Gear Drive)
795	392697		SWITCH, Toggle -(Toggle Switch) Uses: 93888 Nut-Hex.

Footnotes:

Use 392725 Starter Panel Kit on Engines
Use 392918 Starter Panel Kit on Engines
Use 222751 Instrument Panel on Engines

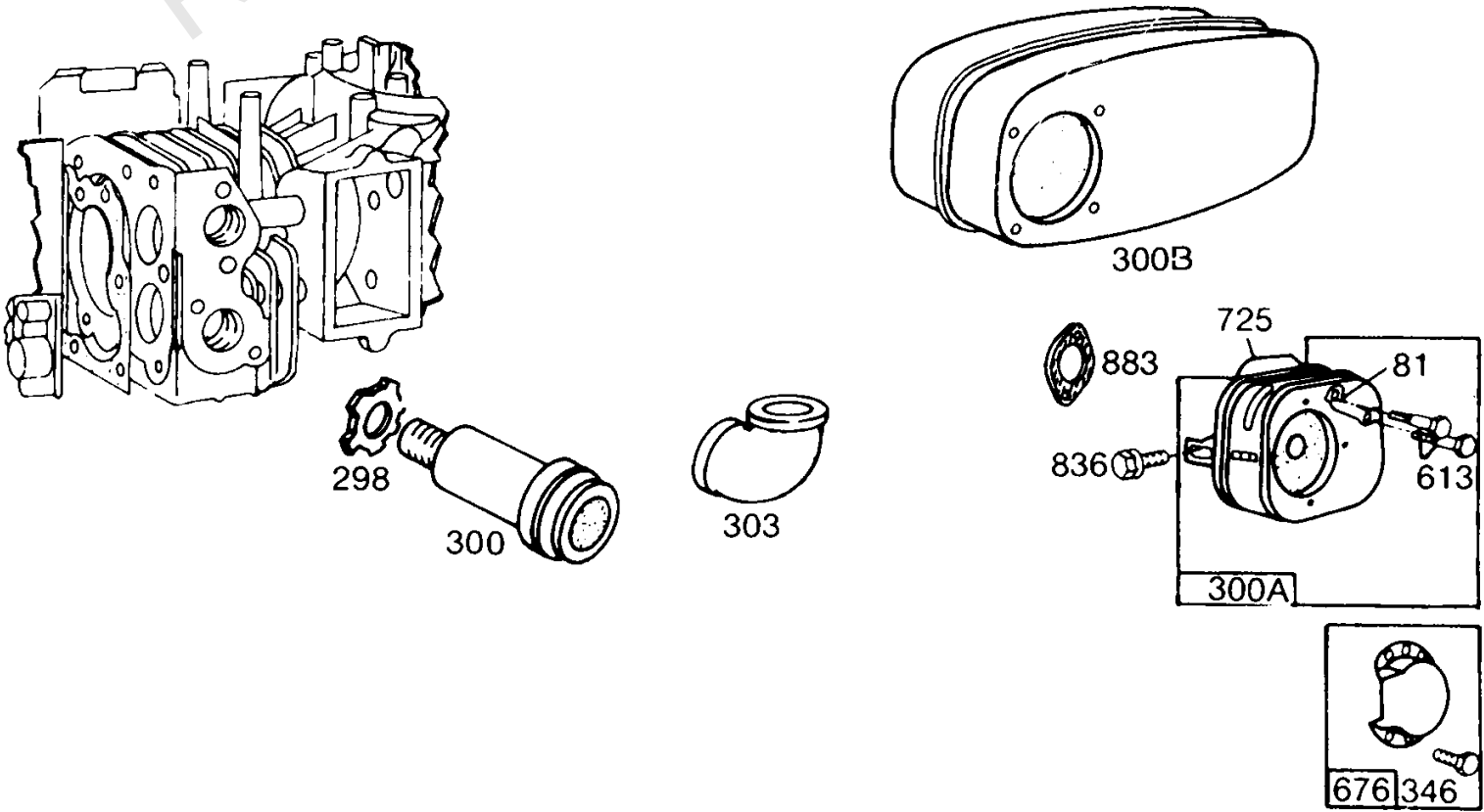
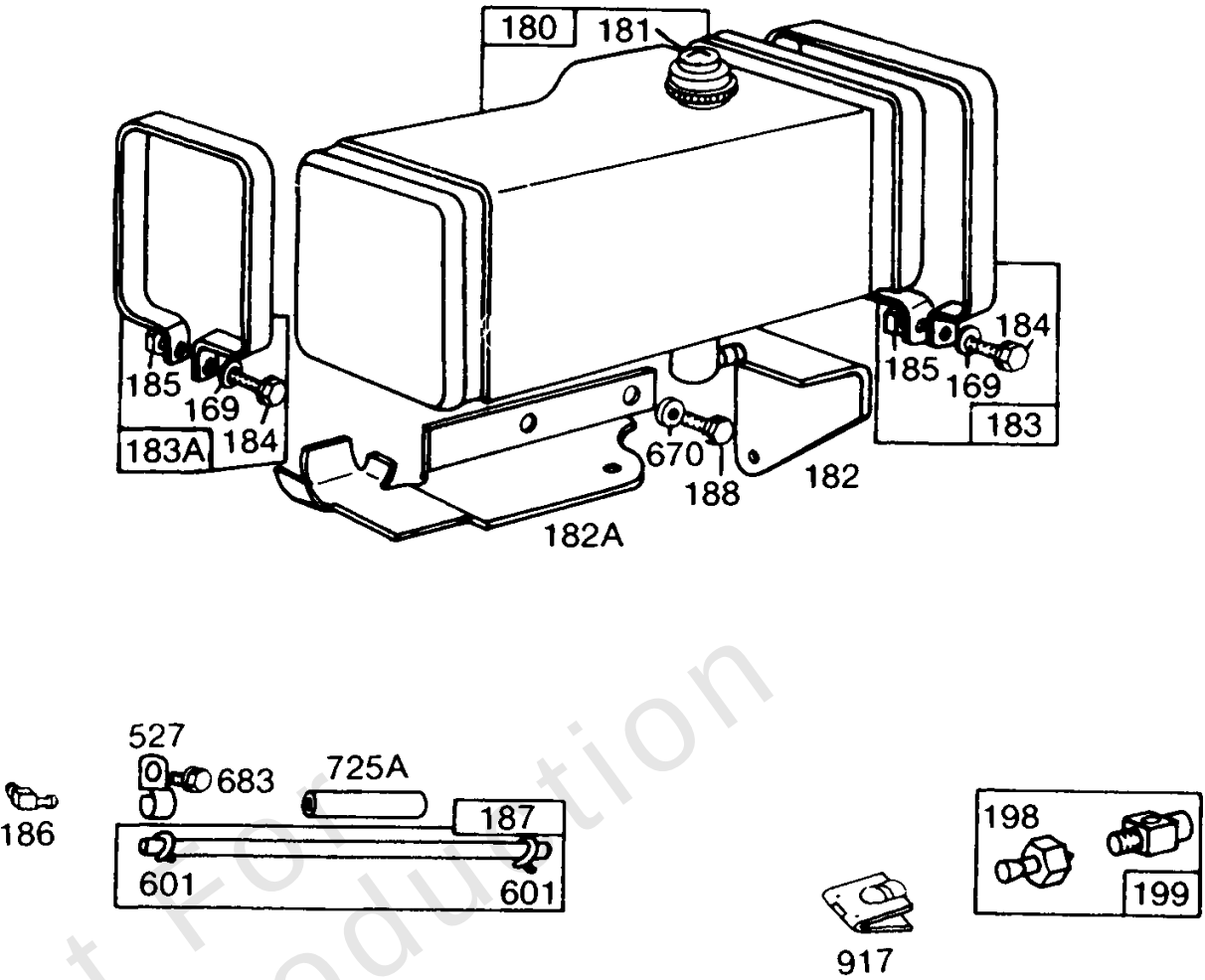


Electric Starter, Alternators

REF NO	PART NO	QTY	DESCRIPTION
795	392833		SWITCH, Key
814	390867		HARNESS, Alternator -(Ac Only)
826	392684		WIRE, Stop -(Starter Switch to Ground Wire Terminal)
840	395408		KIT, Panel -(Toggle Switch) -Used Before Code Date 81102100
840	395409		KIT, Panel -(Key Switch) -Used Before Code Date 81102100
841	393514		CLAMP
844	261269		SPRING, Diode
856	393304		HOLDER, Fuse
877A	393814		WIRE/CONNECTOR, Alternator -(10 Amp Regulated)
877	393456		WIRE/CONNECTOR, Alternator
878A	393422		WIRE ASSEMBLY -(Dc Only)
878	393362		HARNESS, Alternator -(Dual Circuit)
887	391529		ALTERNATOR -(DC Only)

Footnotes:

Use 392725 Starter Panel Kit on Engines
Use 392918 Starter Panel Kit on Engines
Use 222751 Instrument Panel on Engines



Fuel Tank, Mufflers & Parts

REF NO	PART NO	QTY	DESCRIPTION
81	222263		LOCK, Muffler Screw -(3/8 Diameter Bolt Holes)
169	90832		SCREW -(Blower Housing)
180	390225		TANK, Fuel -(3 Quart) (Plastic)
181	392300		CAP, Fuel Tank -(Metal) (1 9/16 I.D.)
182A	223157		BRACKET, Fuel Tank
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)
188	93535		SCREW -(5/16-18 X 3/4)
198	293934		VALVE, Fuel Shut Off
199	390303		OUTLET, Tank
298	261409		LOCKNUT -(Muffler and Elbow)
300A	391313		MUFFLER
300B	392101		MUFFLER -(Super Lo Tone)
300	393010		MUFFLER -(Round Lo Tone)
303	91219		ELBOW, Exhaust -(45 Degree Street)
346	93705		SCREW -(8-32 X 3/8)
527	221428		CLAMP, Tube
601	93053		CLAMP, Hose -(Green)
613	93704		SCREW -(Muffler)
670	22963		WASHER
676	393757		DEFLECTOR, Muffler -(Side Outlet)
683	93804		SCREW -(Clamp Mounting)
725A	222175		SHIELD, Heat
725	221885		SHIELD, Heat
836	93559		SCREW -(Tank) (Fuel Tank)
883	270918		GASKET, Exhaust
917	223271		VALVE, Handle Shutoff

Footnotes:

Use 392918 Starter Panel Kit on Engines
Use 222751 Instrument Panel on Engines

Replacement Engine - US & Canada

REF NO	PART NO	QTY	DESCRIPTION
	2158023015	1	Replacement Engine
	-----		Top No-Load Speed: 4000 -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.

