

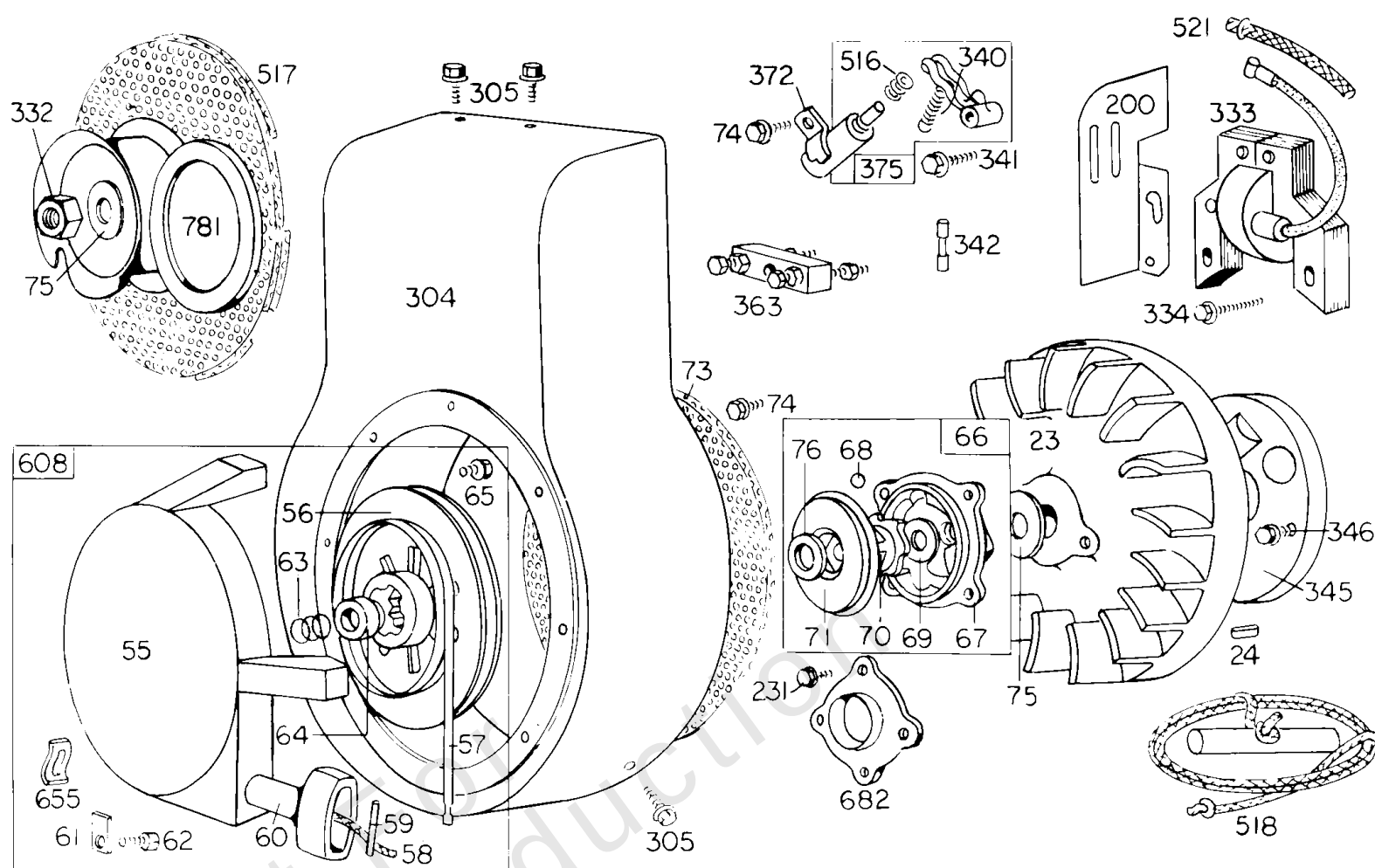


Parts Manual

Mfg. No: 146451-1144-99

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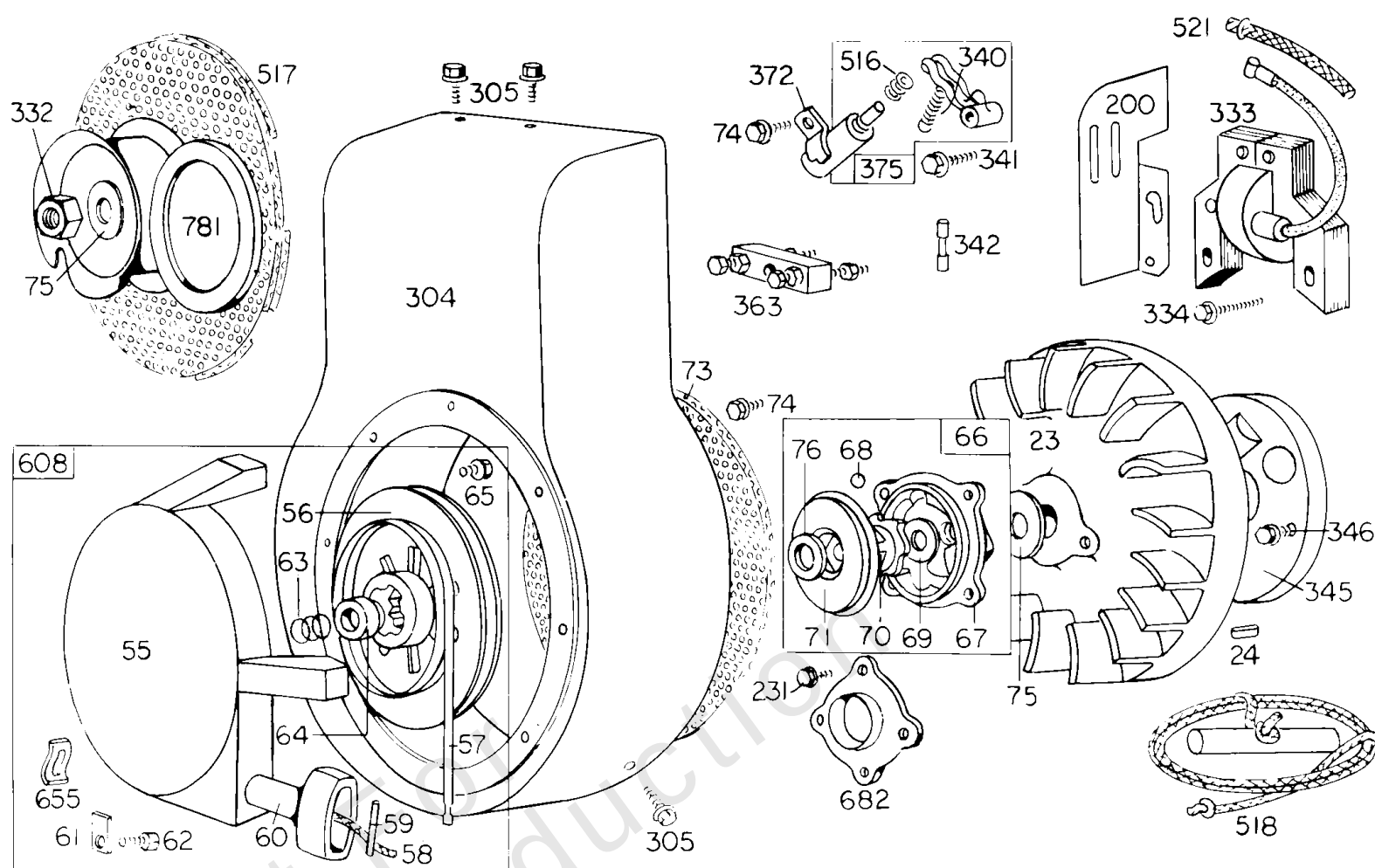


Blower Hsg, Rewind, Flywheel

REF NO	PART NO	QTY	DESCRIPTION
23	298260		FLYWHEEL
24	61760		KEY, Flywheel -(Breaker Ignition)
55	295272		HOUSING, Rewind Starter -(Casting) (Metal Pulley)
56	295871		PULLEY, Starter -(63 Rope)
57	294303		SPRING, Rewind Starter
58	66564		ROPE, Starter -(63 Rope) If longer rope is needed, order No. 66574 and cut to required 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	93420		SCREW -(3/4)
66	298798		CLUTCH, Starter -(Rewind Starter)
67	211383		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	93014		SCREW
74	93042		SCREW
75	220865		WASHER -(Heavy Flywheel)
76	68238		SEAL, Ratchet
200	221760		GUIDE, Air
231	93064		SCREW
304	299853		HOUSING, Blower
305	92666		SCREW -(1/4-20 X 1/2)
305	93158		SCREW -(1/4-20 X 5/8)
332	92284		NUT -(Flywheel)
333	298968		ARMATURE, Magneto -(Breaker Ignition)
334	93381		SCREW
340	26018		SPRING, Breaker Arm
341	93381		SCREW
342	65704		PLUNGER, Breaker

Footnotes:

For use only with Starter Motors with Plastic Drive Gear

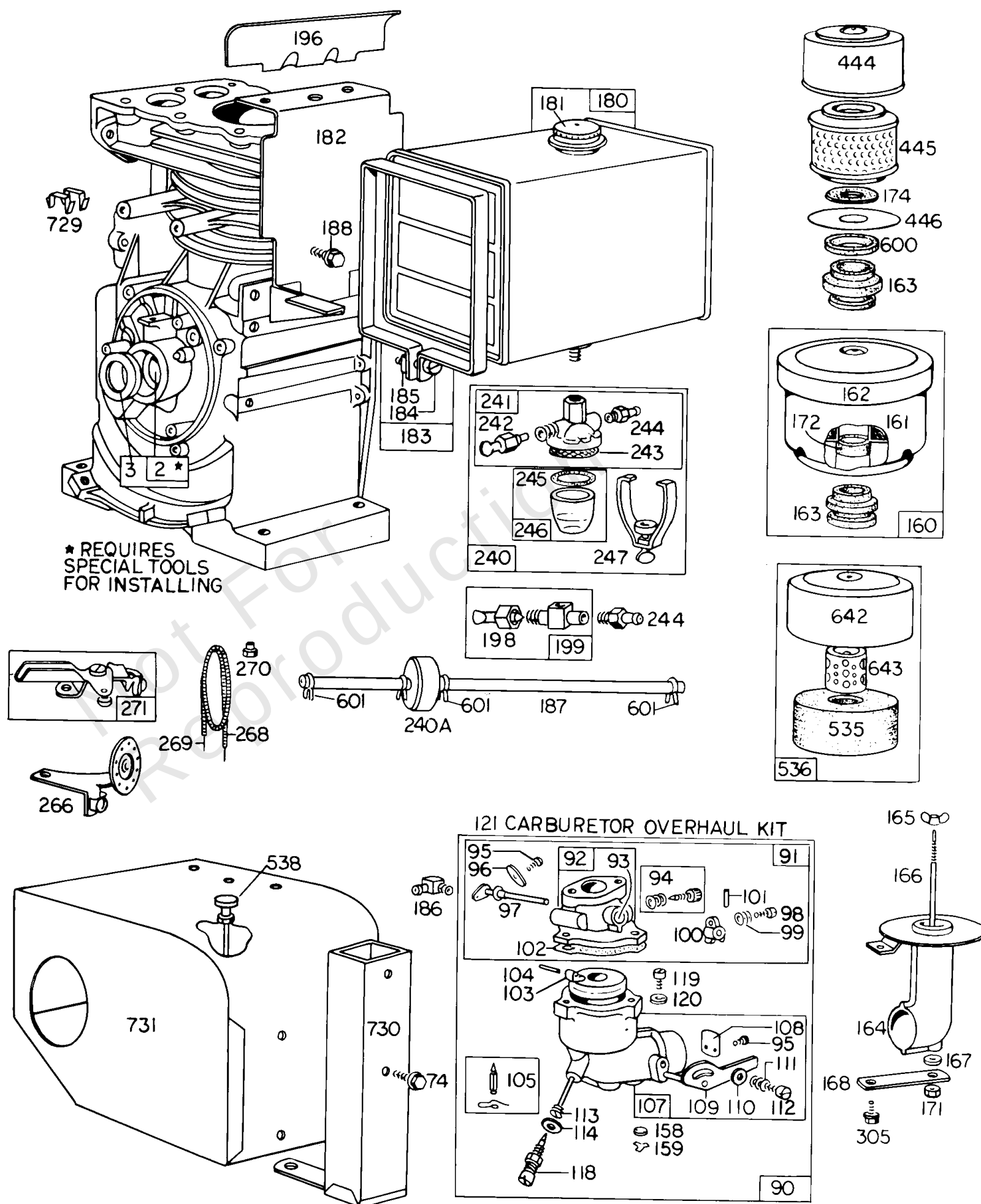


Blower Hsg, Rewind, Flywheel

REF NO	PART NO	QTY	DESCRIPTION
345	222117		COVER, Breaker
346	91920		SCREW -(8-32 X 5/8)
346	93014		SCREW
363	19165		PULLER, Flywheel
372	220477		CLAMP
375	294628		BREAKER, Ignition
375	299061		BREAKER, Ignition -Includes: 294628 Point Set 65704 Plunger 61760 Key-Flywheel
516	260374		SPRING, Condensor
517	295423		PULLEY, Rope Starter
518	69932		GRIP, Starter Rope
521	298529		SHIELD, Protective
608	295001		STARTER, Rewind -For Starter Assembly with longer than standard rope order No. 298107
655	221014		ANCHOR, Rewind Spring
682	211516		SHIELD, Starter
781	280068		CAP, Starter Pulley

Footnotes:

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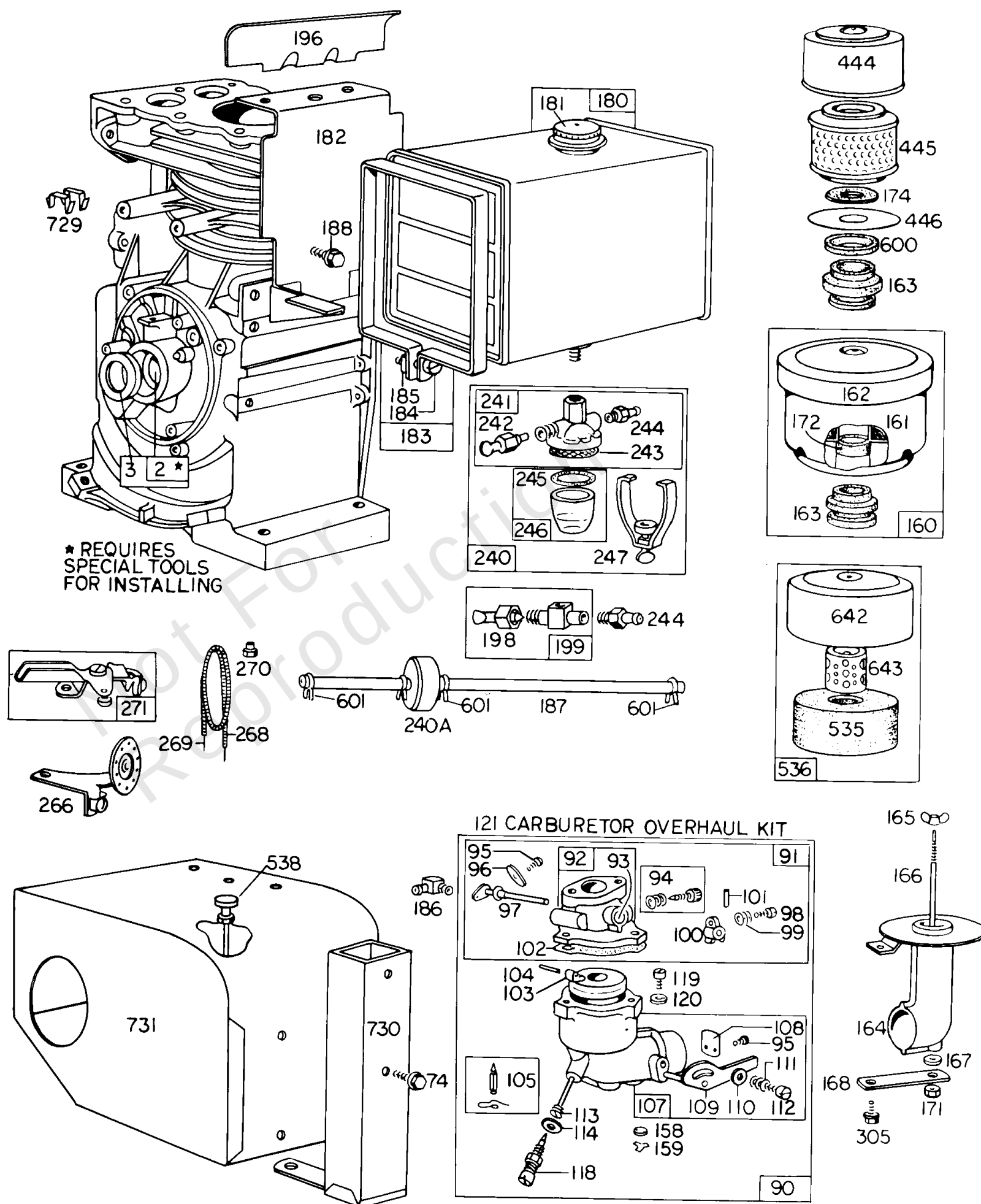


Carb Assy,Fuel Tank, A/C

REF NO	PART NO	QTY	DESCRIPTION
2	295962		KIT, Bushing/Seal
3	294606		SEAL, Oil
74	93014		SCREW
74	93042		SCREW
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. 295938
95	93038		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. 295938
103	99333		FLOAT, Carburetor
104	230896		PIN, Float Hinge -Included in Carburetor Overhaul Kit-Part No. 295938
105	299096		KIT, Needle/Seat
107	299170		BODY, Lower Carburetor
108	221835		VALVE, Choke
109	298875		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. 295938
114	68667		WASHER -(Viton Seat) Included in Carburetor Overhaul Kit-Part No. 295938
118	99525		VALVE, High Speed -Included in Carburetor Overhaul Kit-Part No. 295938
119	90746		SCREW -(10-32 X 5/8)
120	92290		WASHER
121	295938		KIT, Carburetor Overhaul
158	27590		PLUG, Carburetor Filter/Drain
159	220521		RETAINER, Carburetor Drain
160	296434		CLEANER, Air
161	296704		CLEANER, Air
162	296270		CLEANER, Air
163	27907		GASKET, Air Cleaner -Included in Gasket Set-Part No. 295970
164	390311		BASE, Air Cleaner

Footnotes:

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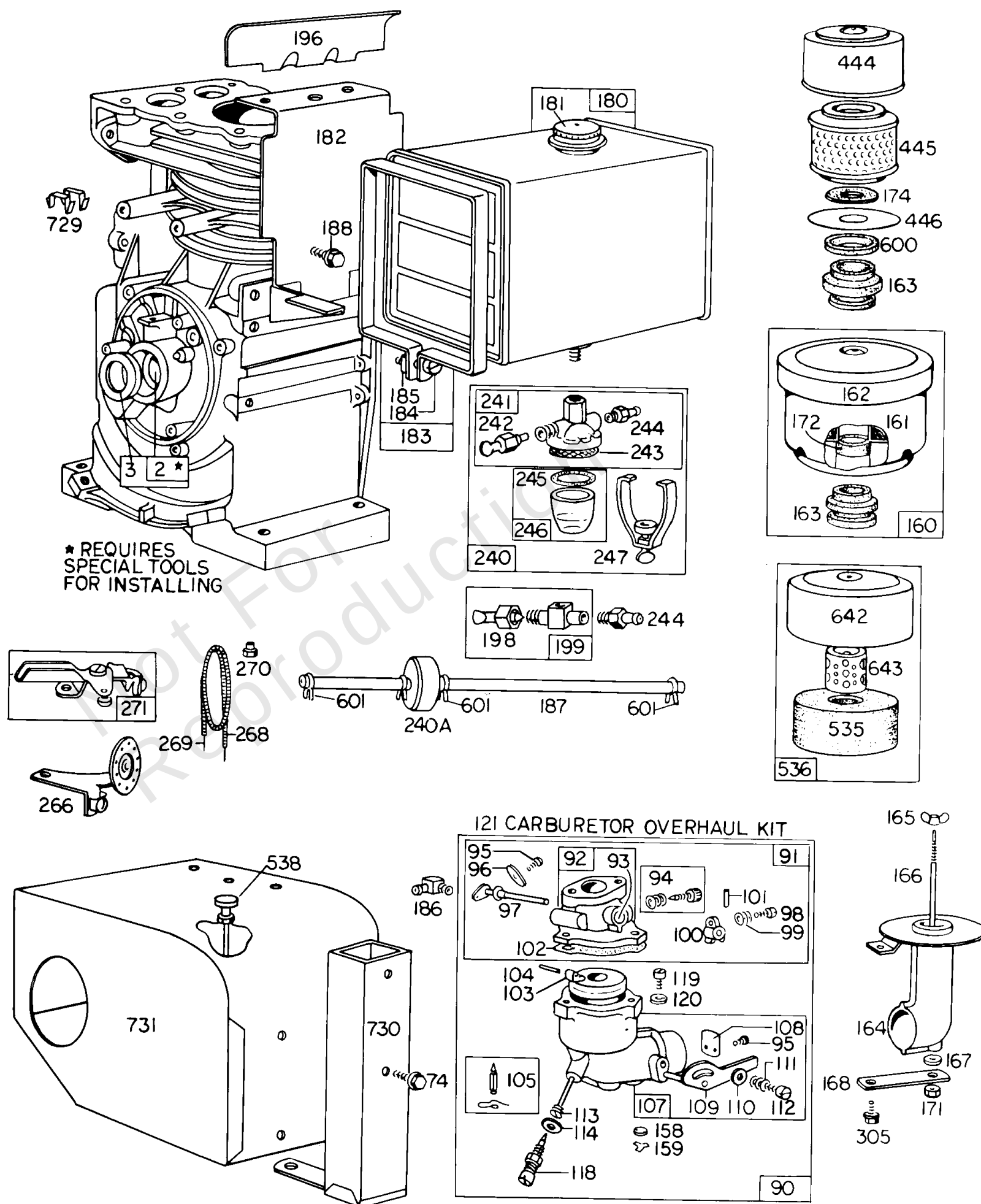


Carb Assy,Fuel Tank, A/C

REF NO	PART NO	QTY	DESCRIPTION
165	93453		NUT
166	230633		STUD -(Air Cleaner) (8 13/32)
167	66648		GASKET, Air Cleaner
168	222150		STRAP/STUD, Air Cleaner Mounting
171	92129		NUT -(1/4-28)
172	27906		GASKET, Air Cleaner -(Air Cleaner)
174	270730		GASKET, Air Cleaner
180	290816		TANK, Fuel -(4 Quart)
181	69221		CAP, Fuel Tank -(1 3/4 O.D. Top)
182	221906		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
187	296537		LINE, Fuel -(Carburetor To Filter)
187	299942		LINE, Fuel -(13)
187	89248		LINE, Fuel -(2 1/4) (Metal)
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	295984		CARBURETOR -(Flexible Line)
241	296005		COVER, Fuel Filter
242	295913		VALVE, Fuel Shut Off
243	22547		STRAINER, Fuel
244	230318		CONNECTOR, Hose
245	68477		GASKET, Fuel Bowl -Included in Gasket Set-Part No. 295970
246	298683		BOWL, Fuel Filter
247	99665		YOKE, Bowl
266	291460		CONTROL, Throttle -(Disc Type)
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:

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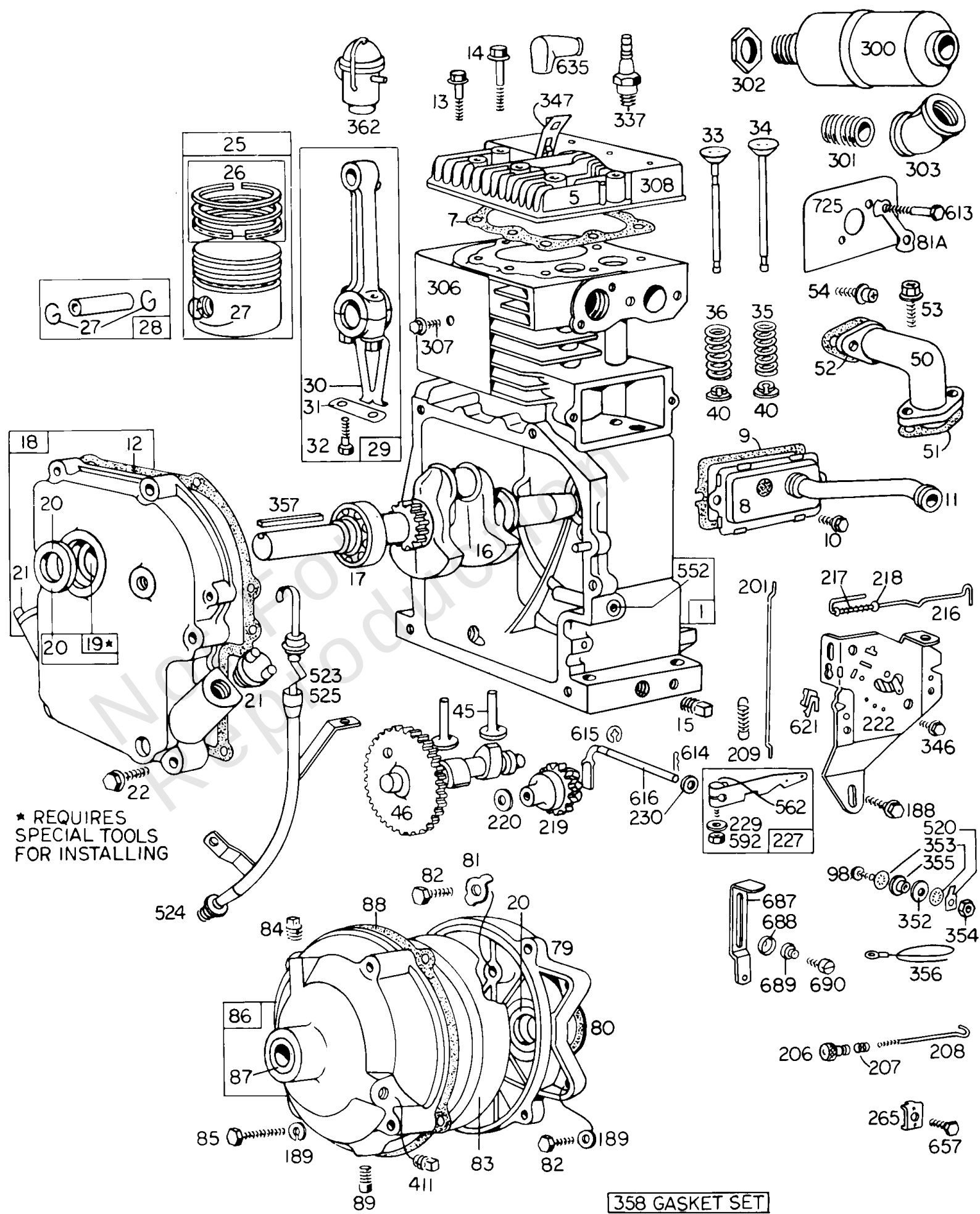


Carb Assy,Fuel Tank, A/C

REF NO	PART NO	QTY	DESCRIPTION
271	290568		LEVER, Control
305	92666		SCREW -(1/4-20 X 1/2)
305	93158		SCREW -(1/4-20 X 5/8)
444	390588		COVER, Air Cleaner
445	390492		FILTER, A/C Cartridge
446	221969		BRACKET, Air Cleaner
535	270093		FILTER, Air Cleaner Foam
536	390400		CLEANER, Air
538	390167		ROD, Governor Control
600	270055		SPACER
601	93053		CLAMP, Hose -(Green)
642	221468		COVER, Air Cleaner
643	280001		SUPPORT, Foam Element
729	221907		CLIP, Wire
730	299384		MANIFOLD, Intake
731	299391		HOOD, Snow

Footnotes:

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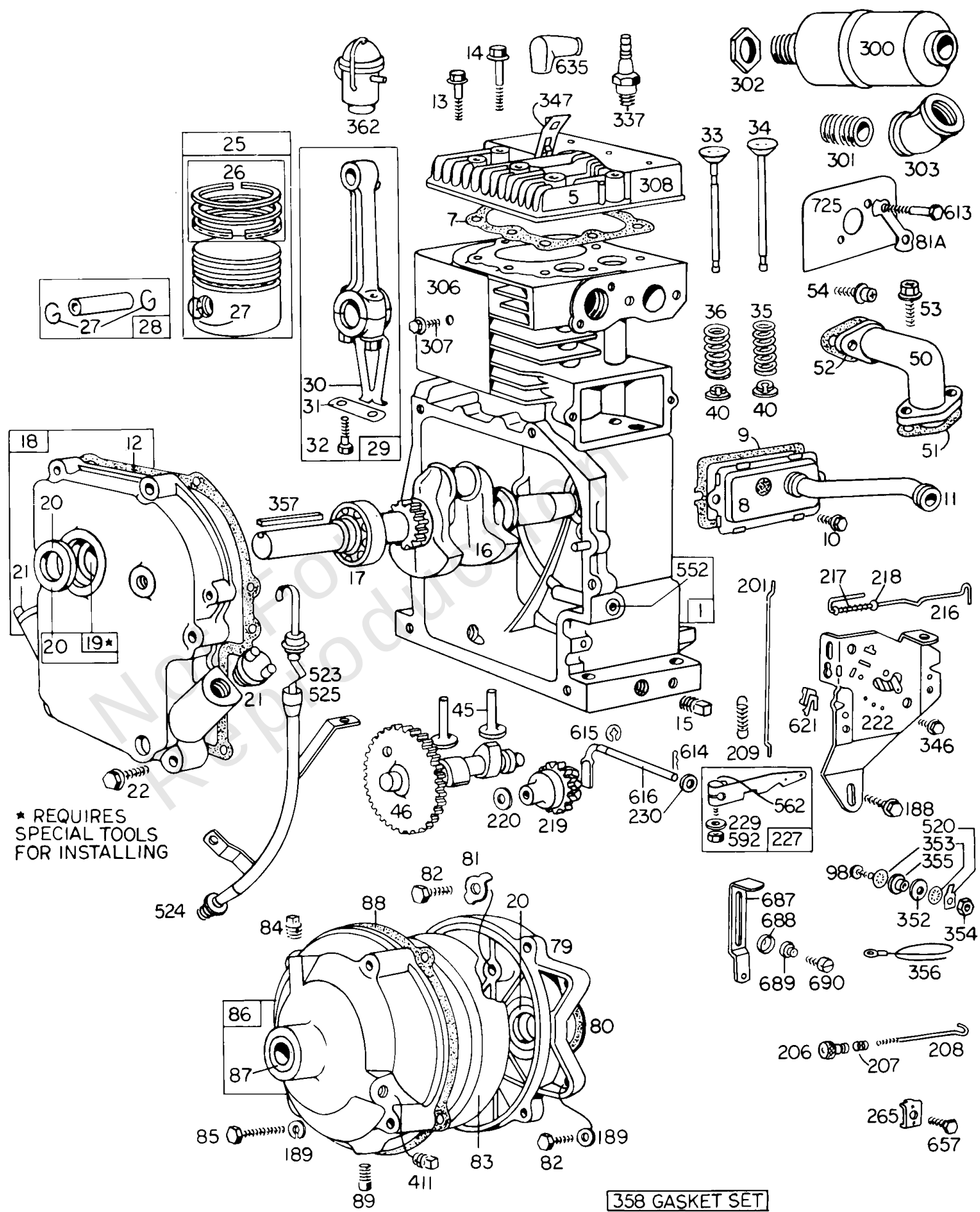


Cyl, Piston, Muffler, CrnkCse

REF NO	PART NO	QTY	DESCRIPTION
1	390397		CYLINDER ASSEMBLY
5	210578		HEAD, Cylinder
7	270340		GASKET, Cylinder Head -Included in Gasket Set-Part No. 295970
8	294948		BREATHER ASSEMBLY
9	27803		GASKET, Rocker Cover -Included in Gasket Set-Part No. 295970
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. 295970
12	27876		GASKET, Crankcase -(.005) Included in Gasket Set-Part No. 295970
12	27877		GASKET, Crankcase -(.009) Included in Gasket Set-Part No. 295970
13	93210		SCREW -(2-9/32)
14	93211		SCREW -(5/16-18 X 2-21/32)
15	91084		PLUG, Oil Drain -(3/8)
16	260389		CRANKSHAFT
17	29530		BEARING, Ball
18	299175		COVER, Crankcase
19	295964		KIT, Bushing/Seal -(PTO Side)
20	298423		SEAL, Oil
21	66768		PLUG, Oil
22	93585		SCREW -(Crankcase Cover)
25	297692		PISTON ASSEMBLY -(Standard)
25	297693		PISTON ASSEMBLY -(.010 Oversize)
25	297694		PISTON ASSEMBLY -(.020 Oversize)
25	297695		PISTON ASSEMBLY -(.030 Oversize)
26	297705		SET, Ring -(.010 Oversize)
26	297706		SET, Ring -(.020 Oversize)
26	297707		SET, Ring -(.030 Oversize)
26	297815		SET, Ring -(Standard)
26	298745		SET, Ring -(Standard)
27	68546		LOCK, Piston Pin
28	295840		PIN, Piston -(Standard)
28	295841		PIN, Piston -(.005 Oversize)

Footnotes:

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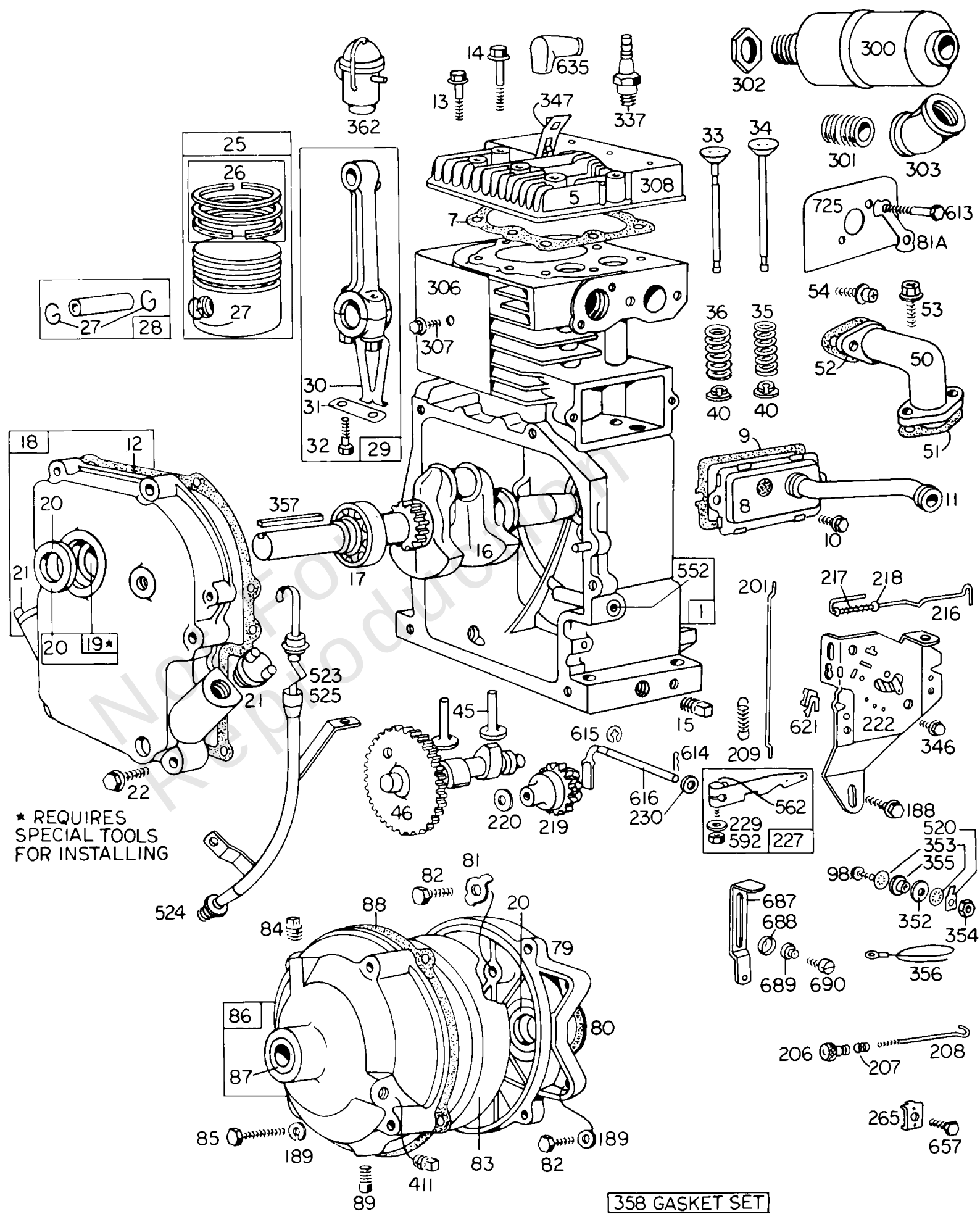


Cyl, Piston, Muffler, CrnkCse

REF NO	PART NO	QTY	DESCRIPTION
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	299885		VALVE, Exhaust -(Grooved Stem-Includes Retainer)
34	261055		VALVE, Intake
35	65906		SPRING, Valve -(Intake)
36	65906		SPRING, Valve -(Intake)
40	221596		RETAINER, Valve -(Valves With Groove In Stem)
40	292260		RETAINER, Valve -(Exhaust Valve) (Exhaust)
45	260933		TAPPET, Valve
46	210728		CAMSHAFT
50	211812		MANIFOLD, Intake
51	65647		GASKET, Intake -Included in Carburetor Overhaul Kit-Part No. 295938. Included in Gasket Set-Part No. 295970.
52	27828		GASKET, Intake -Included in Gasket Set-Part No. 295970
53	93128		SCREW
54	93208		SCREW -(Intake Manifold)
79	296179		CASE, Gear Reduction
80	27884		GASKET, Gear Cover/Housing
81A	222263		LOCK, Muffler Screw -(3/8 Diameter Bolt Holes)
81	220234		LOCK, Muffler Screw
82	92502		SCREW
83	296298		SHAFT, Auxiliary Drive
84	92617		SCREW -(Gear Case)
85	91386		SCREW -(2)
86	296053		COVER, Gear
87	298423		SEAL, Oil
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

Footnotes:

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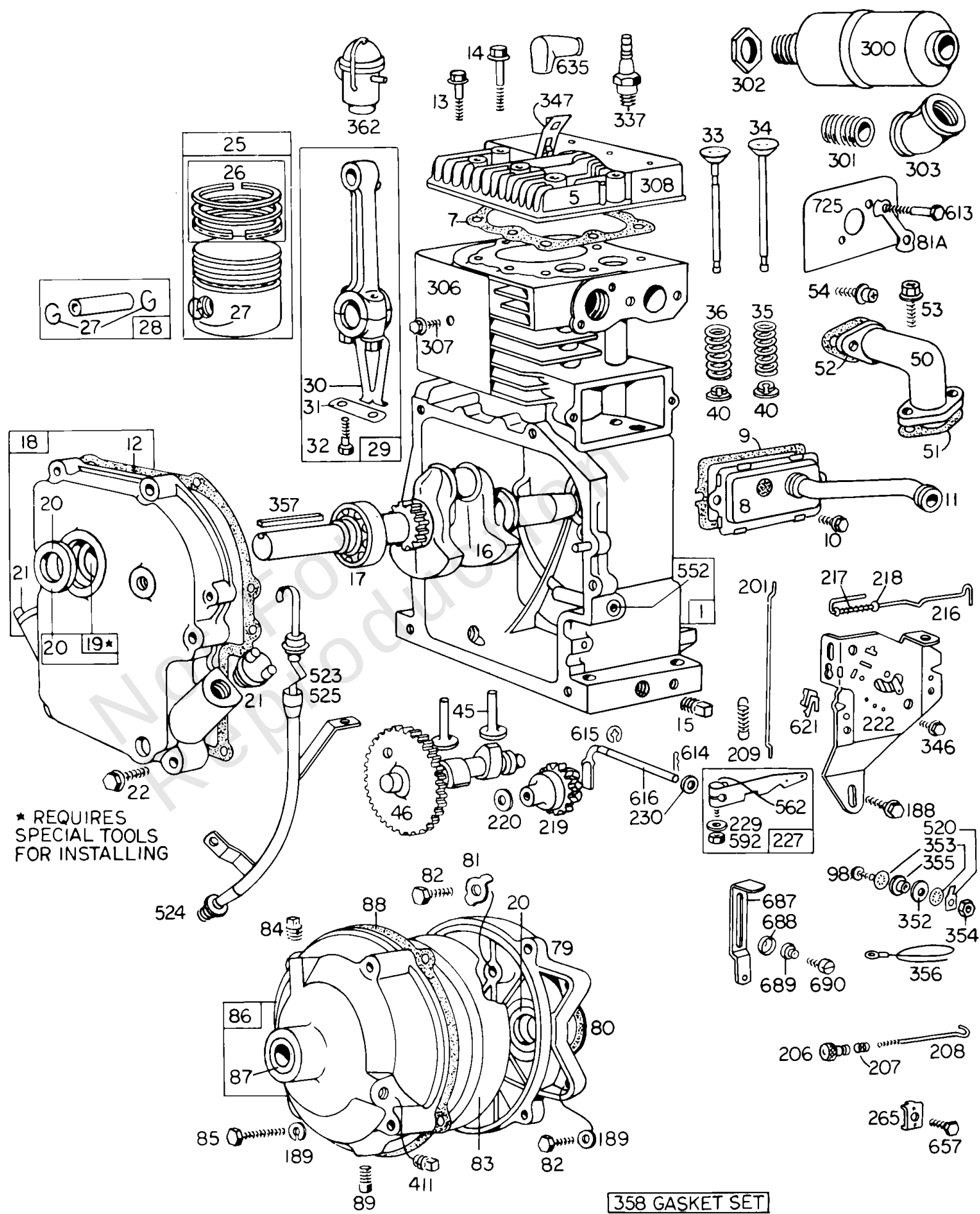


Cyl, Piston, Muffler, CrnkCse

REF NO	PART NO	QTY	DESCRIPTION
209	260695		SPRING, Governor
209	260871		SPRING, Governor -(2700 To 3300 RPM)
216	261122		LINK, Choke
217	261119		SPRING, Choke Return
218	221198		WASHER
219	297656		GEAR, Governor
220	221551		WASHER -(Governor Lever)
222	299012		BRACKET, Control
222	390670		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
301	91245		ELBOW, Exhaust
302	91242		LOCKNUT -(Muffler and Elbow)
303	91246		ELBOW, Exhaust -(45 Degree)
306	221005		SHIELD, Cylinder
307	221834		CLAMP, Tube
307	93163		SCREW
308	220824		SWITCH, Stop
337	29693		PLUG, Spark
337	298809		PLUG, Spark -Spark Plugs 298809, 29693 and 293918 use Ignition Cable Terminal No. 221798
346	91920		SCREW -(8-32 X 5/8)
346	93014		SCREW
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	295970		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)
523	390848		DIPSTICK

Footnotes:

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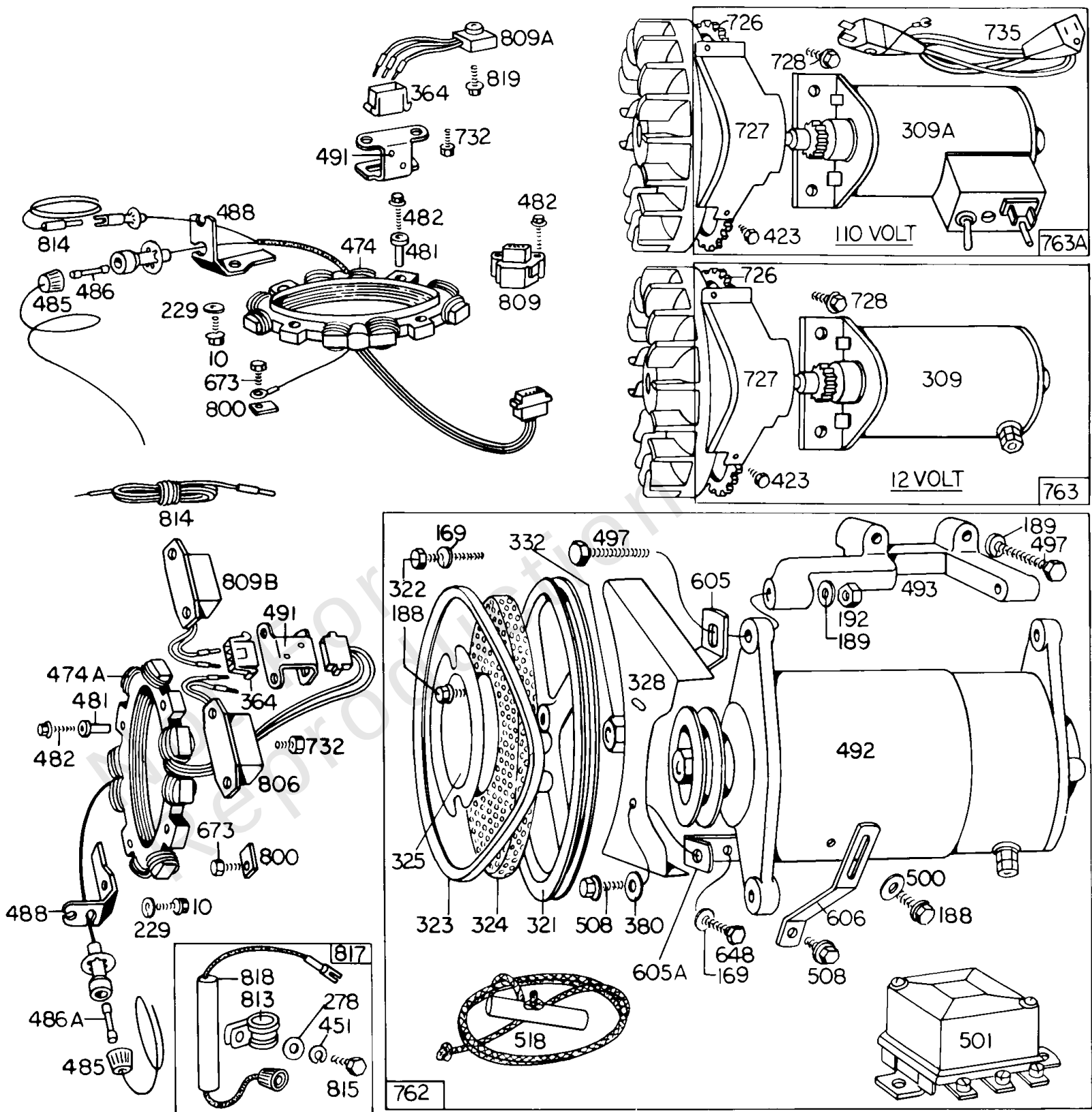


Cyl, Piston, Muffler, CrnkCse

REF NO	PART NO	QTY	DESCRIPTION
524	68838		SEAL, O-Ring -(Dipstick Tube)
525	299284		TUBE, Dipstick
552	230843		BUSHING, Governor Crank -(3/16 I.D.)
562	92613		BOLT -(Governor Lever)
592	90356		NUT -(10-24)
613	93704		SCREW -(Muffler)
614	93306		PIN, Cotter
615	93307		RETAINER, Governor Shaft
616	230842		CRANK, Governor
621	297472		SWITCH, Stop
635	66538		BOOT, Spark Plug
657	93496		SCREW -(10-32 X 5/8)
687	298957		SLIDE, Control
688	221766		SPRING, Friction
689	260847		SPRING, Friction
690	92484		SCREW
725	221885		SHIELD, Heat

Footnotes:

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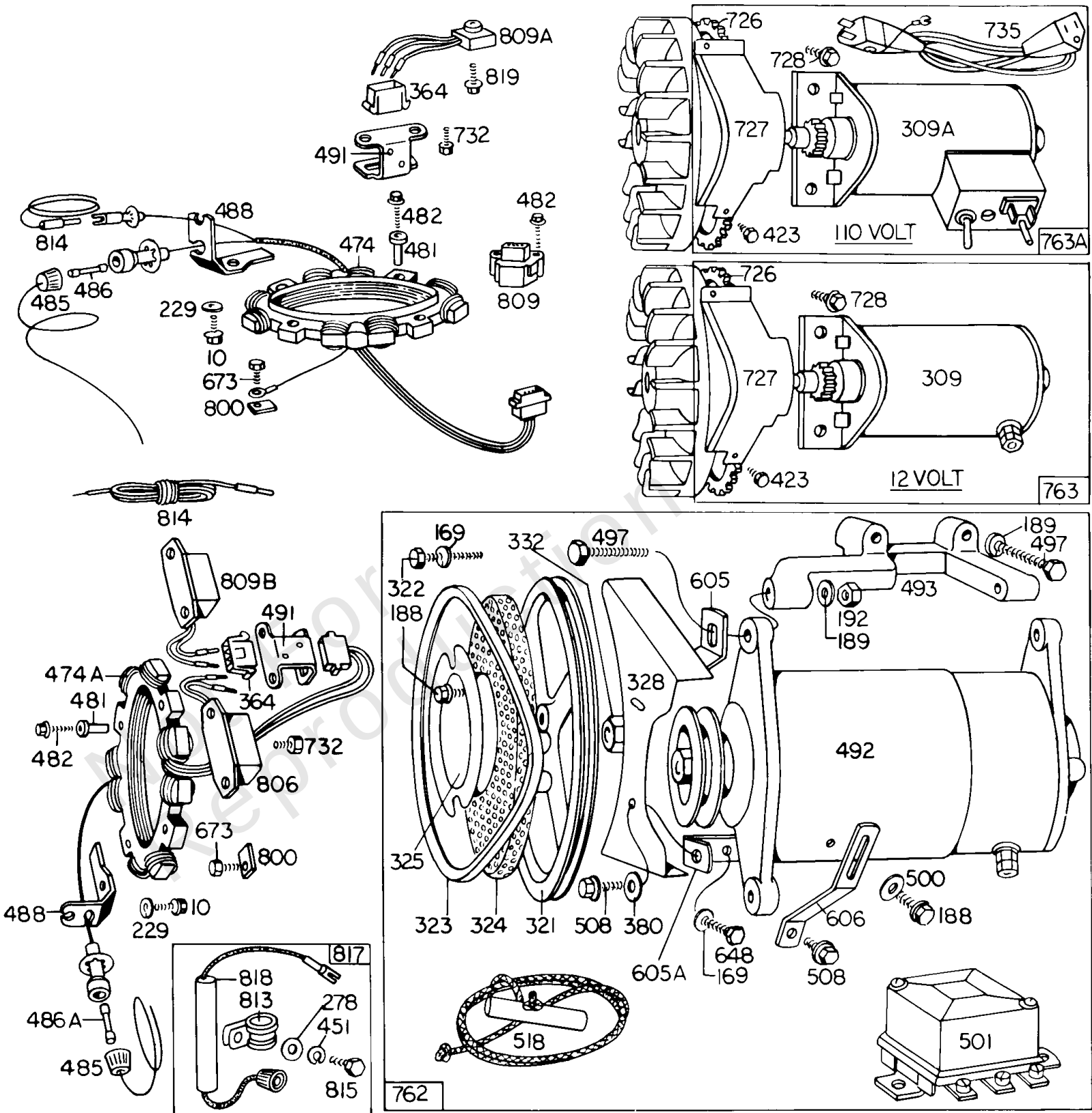


Electric Starters, Misc Elect

REF NO	PART NO	QTY	DESCRIPTION
10	93536		SCREW
110	62899		WASHER -(Thermostat)
169	90832		SCREW -(Blower Housing)
188	93535		SCREW -(5/16-18 X 3/4)
189	90366		WASHER
192	91397		NUT -(5/16-18)
229	220680		WASHER
278	22358		WASHER
309A	299329		MOTOR, Starter -(Mitsubishi and American Bosch 110V)
309	390307		MOTOR, Starter -(Bosch or Mitsubishi)
321	210899		PULLEY, Starter
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)
364	280081		WIRE/CONNECTOR, Alternator
380	91324		WASHER
423	93410		SCREW
451	90364		WASHER
474A	50704		ALTERNATOR
474A	299139		SWITCH, Starting
474	391222		ALTERNATOR -(Fuse Type)
481	230976		BUSHING, Alternator
482	93621		SCREW -(Tapping)
485	390888		CAP, Wire/Fuse
486	67125		FUSE -(7 1/2 Amp)
488	222211		BRACKET, Mounting
491	222115		BRACKET, Mounting
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) For 1/2 long Screw order Part No. 93158
518	69932		GRIP, Starter Rope
605A	297171		BRACKET, Support -(Lower)

Footnotes:

For use only with Starter Motors with Plastic Drive Gear



Electric Starters, Misc Elect

REF NO	PART NO	QTY	DESCRIPTION
605	297187		BRACKET, Mounting -(Upper)
606	221443		STRAP, Adjusting
648	91439		SCREW
673	93438		SCREW
726	299543		GEAR, Ring -(Steel) (Includes Mounting Hardware)
727	390233		COVER, Starter Drive
728	93523		SCREW -(5/16-18 X 11/16)
732	93490		SCREW -(Rotating Screen)
735	390966		CORD, Starter -(Includes Adaptor Plug)
762	297335		KIT, Electric Starter -(12 Volt) (Low Position)
763A	299914		KIT, Electric Starter -(110 Volt Gear Drive)
763	390211		KIT, Electric Starter -(12 Volt Gear Drive)
800	222212		RETAINER
809A	390692		RECTIFIER
809	390892		RECTIFIER
813	93660		CLAMP
814	390867		HARNESS, Alternator -(Ac Only)
815	93661		SCREW -(Diode Clamp)
817	390624		WIRE/CONNECTOR, Alternator -For Isolation Diode Kit for 7 Amp. Alternator-order No. 390607
818	390608		WIRE/CONNECTOR, Alternator
819	93680		SCREW

Footnotes:

For use only with Starter Motors with Plastic Drive Gear

Replacement Engine - US & Canada

REF NO	PART NO	QTY	DESCRIPTION
	20S2520049	1	Replacement Engine
	-----		Service Note: For all Go-Karts use only a Model 136200 series engine as a replacement, regardless of the original Model.
	-----		Service Note: If necessary, to make the original engine crankshaft center line the same add 695154 spacer kit.
	-----		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.
	-----		Service Note: Gear Red. @ 3 o'clock.

