

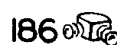
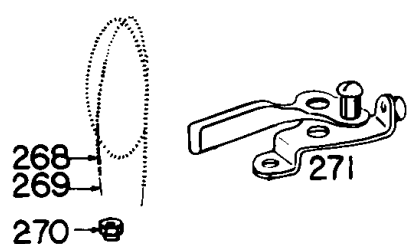
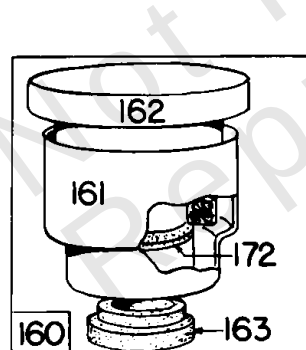
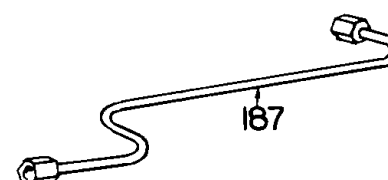
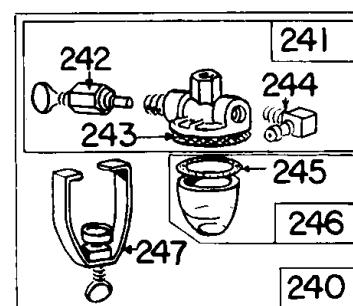
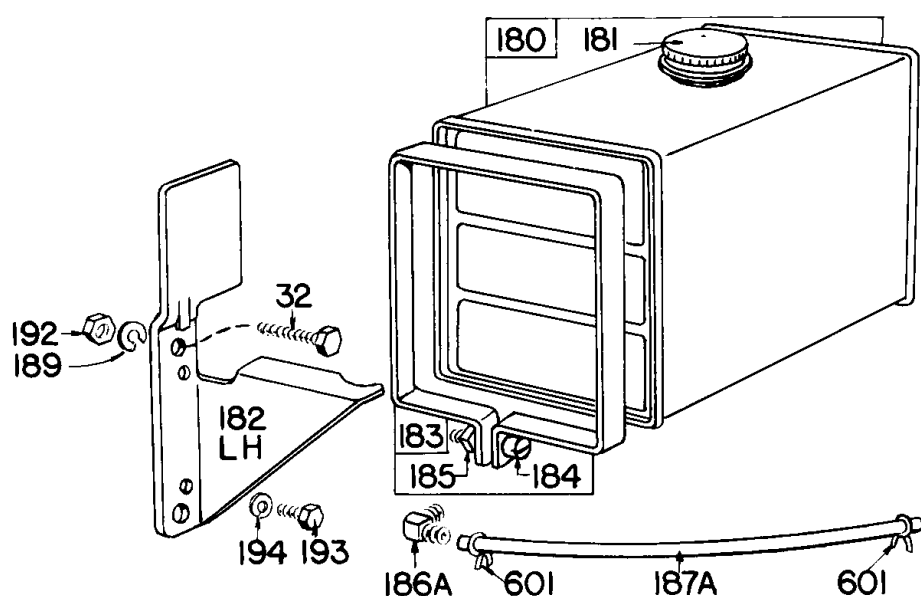


Parts Manual

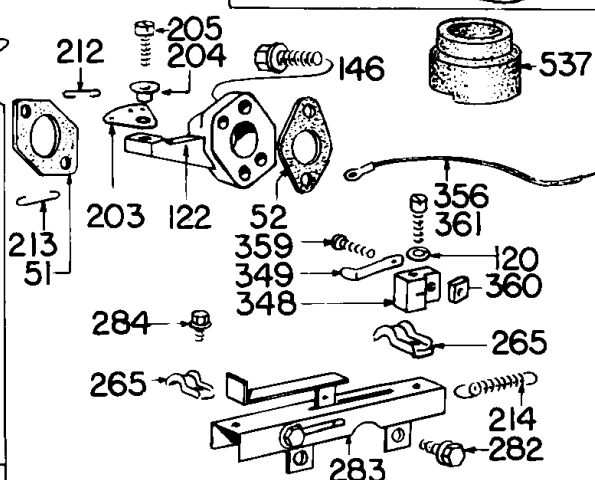
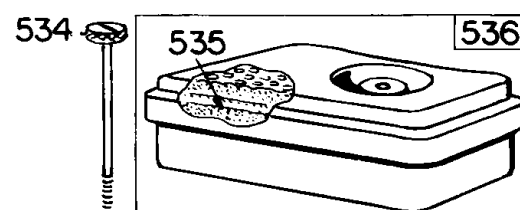
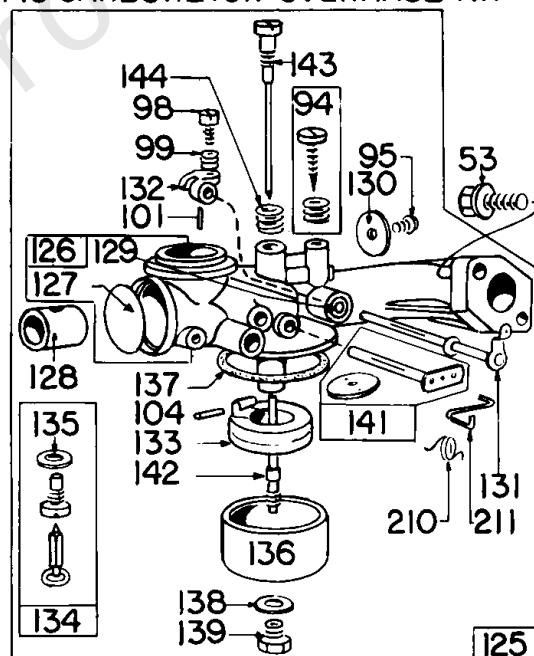
Mfg. No: 140701-0142-99

Model Components	Page
Carb Assy,Fuel Tank, A/C.	4
Cyl,Muffler,Piston,Sump,Rewind.	10
Electric Starter, Rewind.	16
Replacement Engine - US & Canada.	20

Not For
Reproduction



145 CARBURETOR OVERHAUL KIT

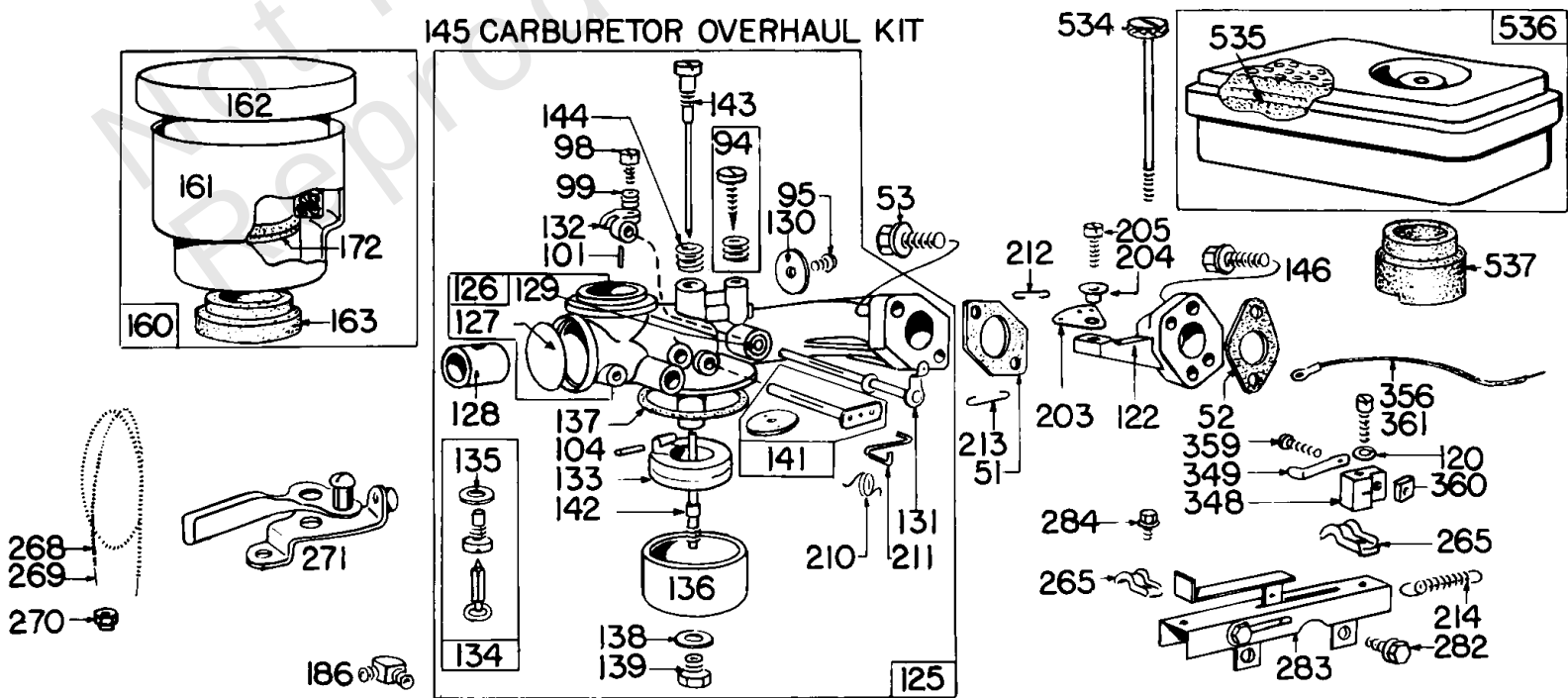
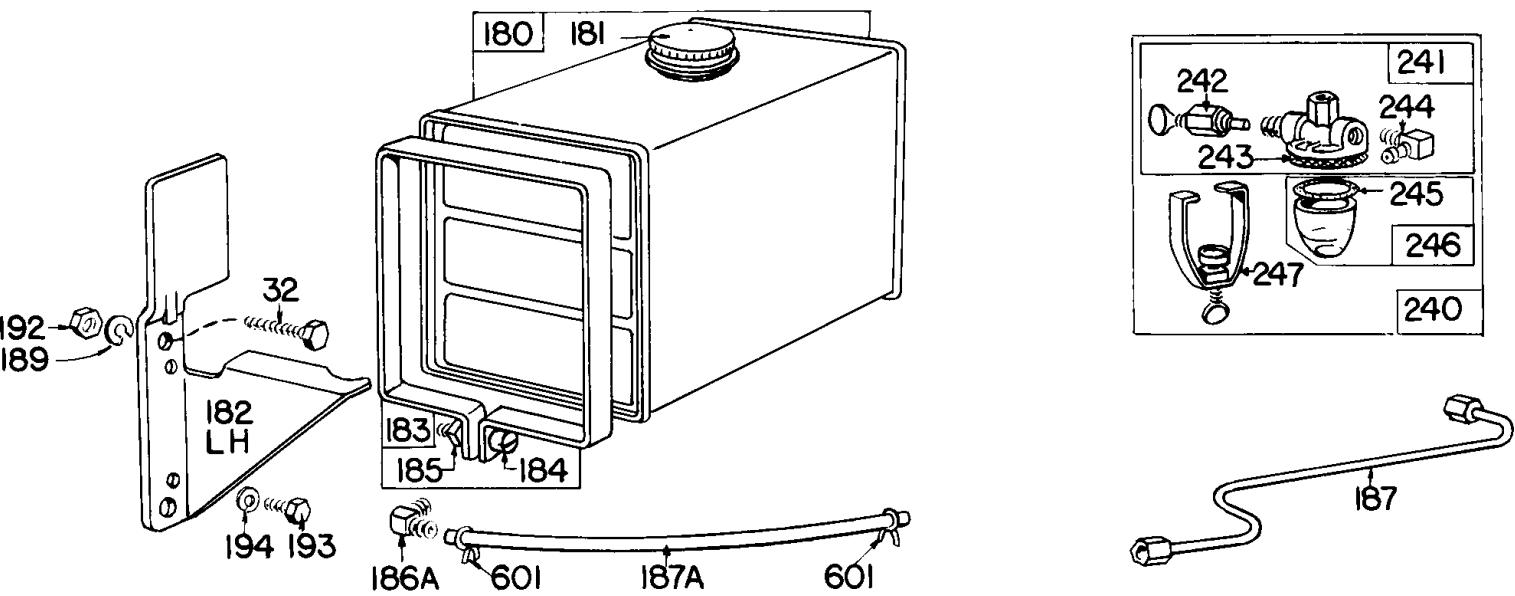


Carb Assy,Fuel Tank, A/C

REF NO	PART NO	QTY	DESCRIPTION
32	92659		SCREW -(Connecting Rod)
51	27355		GASKET, Intake -(2) Included in Gasket Set-Part No. 295970
52	27828		GASKET, Intake -Included in Gasket Set-Part No. 295970
53	93357		SCREW
94	292681		VALVE, Idle Mixture -Included in Carburetor Overhaul Kit-Part No. 298951
95	93038		SCREW -(Throttle Valve)
98	91920		SCREW -(8-32 X 5/8)
99	26157		SPRING, Compression
101	93043		PIN, Shaft
104	23114		PIN, Float Hinge -Included in Carburetor Overhaul Kit-Part No. 298951
120	92290		WASHER
122	210596		SPACER, Carburetor
125	299403		CARBURETOR -(Choke-A-Matic)
126	294717		BODY, Carburetor -(Choke-A-Matic)
127	220751		PLUG, Welch -Included in Carburetor Overhaul Kit-Part No. 298951
128	211182		VENTURI, Carburetor
129	23230		BUSHING, Throttle Shaft
130	220791		VALVE, Throttle
131	294437		SHAFT, Throttle
132	61967		STOP, Throttle
133	293477		FLOAT, Carburetor
134	293478		VALVE, Float Needle -Included in Carburetor Overhaul Kit-Part No. 298951
135	68877		GASKET, Valve Seat -Included in Carburetor Overhaul Kit-Part No. 298951
136	220761		BOWL, Float
137	27682		GASKET, Float Bowl -Included in Carburetor Overhaul Kit-Part No. 298951
138	221172		WASHER -(Float Bowl) Included in Carburetor Overhaul Kit-Part No. 298951
139	93086		SCREW -(Carburetor Bowl)
141	297024		KIT, Choke Shaft -(Choke-A-Matic)
142	298947		NOZZLE, Carburetor -Included in Carburetor Overhaul Kit-Part No. 298951
143	294473		VALVE, Float Needle -Included in Carburetor Overhaul Kit-Part No. 298951
144	260256		SPRING, Needle Valve
145	298951		KIT, Carburetor Overhaul
146	93357		SCREW
160	294872		CLEANER, Air -(With Mounting Stud)
161	293991		CLEANER, Air

Footnotes:

where Cable is not molded into coil

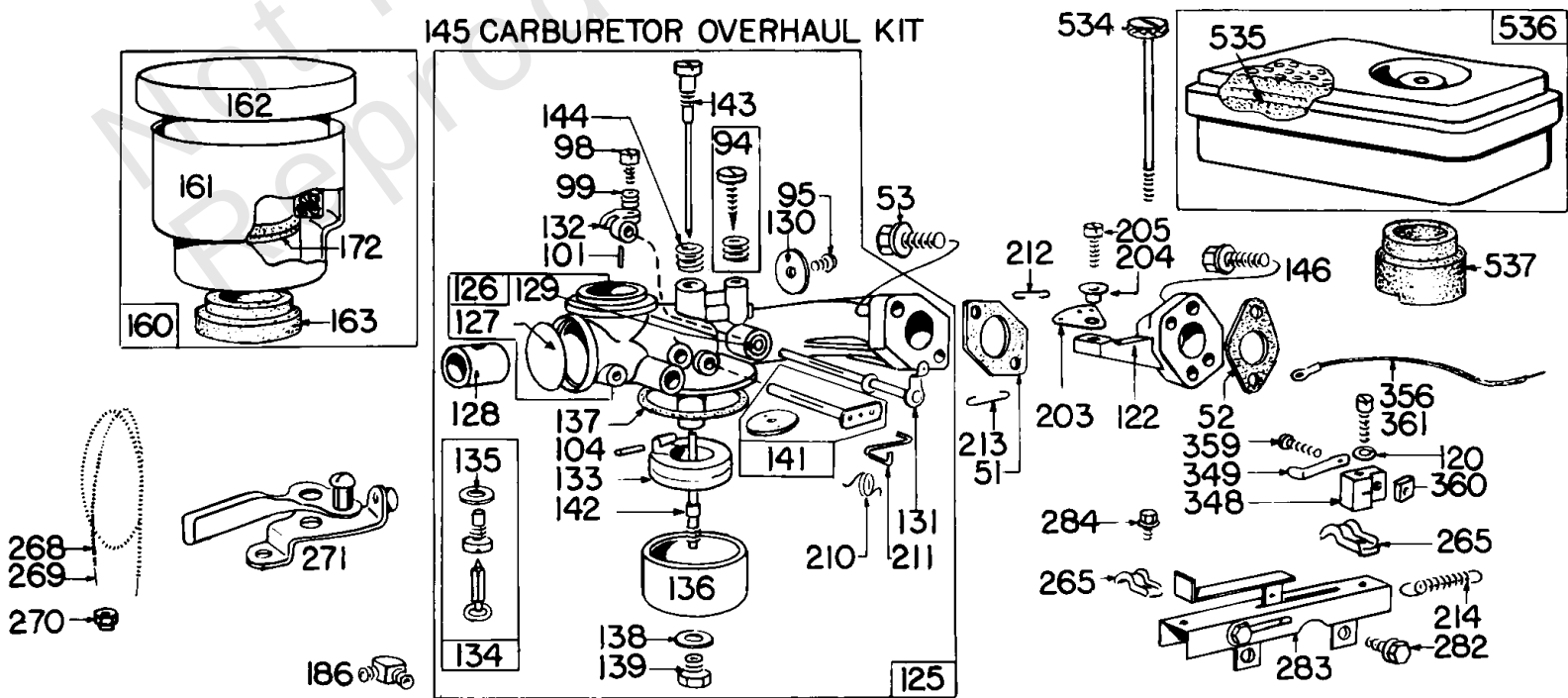
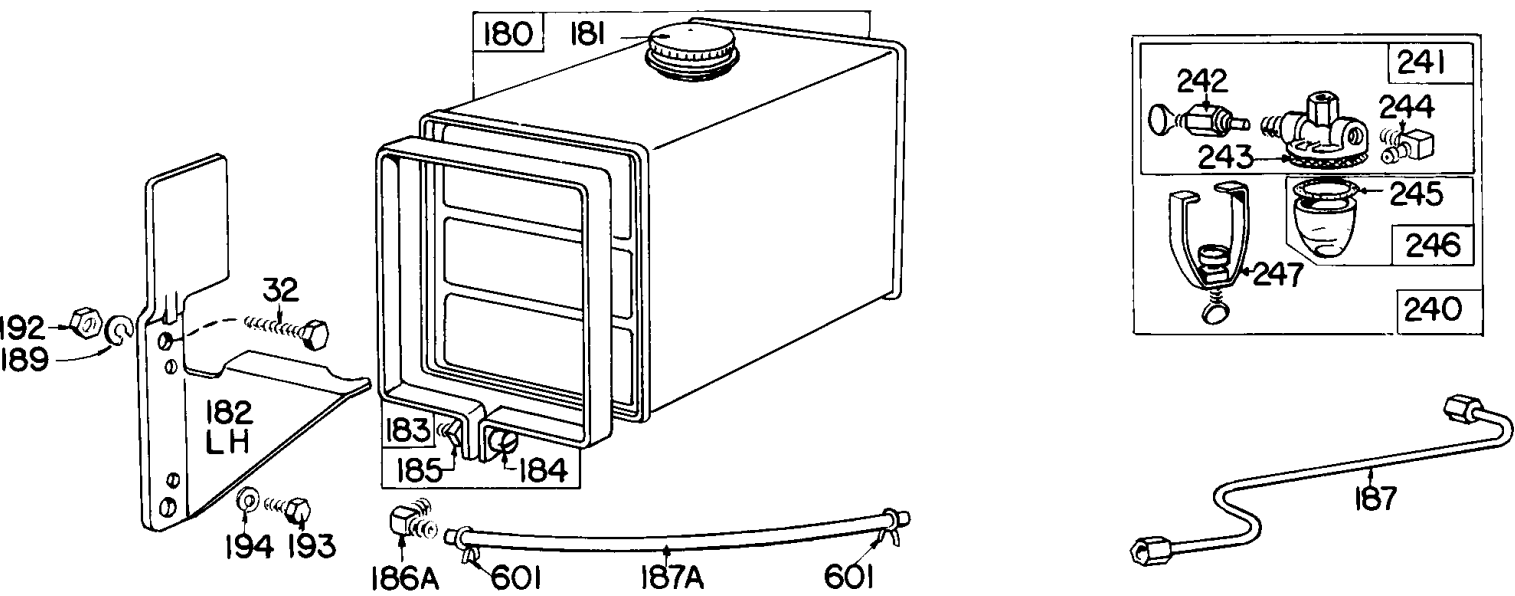


Carb Assy,Fuel Tank, A/C

REF NO	PART NO	QTY	DESCRIPTION
162	294802		COVER, Air Cleaner -(With Mounting Stud)
163	27660		GASKET, Air Cleaner
172	27795		GASKET, Air Cleaner -(Air Cleaner)
181	69221		CAP, Fuel Tank -(1 3/4 O.D. Top)
182	221087		BRACKET, Fuel Tank -(R.H.)
182	221088		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)
186A	67218		CONNECTOR, Hose
186	63377		CONNECTOR, Hose -(Metal Fuel Pipe)
187A	296004		LINE, Fuel -(Cut To Required Length)
187	295995		LINE, Fuel -(Metal)
189	90366		WASHER
192	91397		NUT -(5/16-18)
193	92272		SCREW -(5/16-18 X 3/4)
193	93136		SCREW
194	91808		WASHER
203	221052		CRANK, Bell
204	230117		BUSHING, Governor Crank
205	92722		SCREW -(Bell Crank)
210	260136		SPRING, Choke Return -(Choke-A-Matic)
211	260137		LINK, Choke -(Choke-A-Matic)
212	26235		LINK, Air Vane
213	260385		LINK, Air Vane
214	260384		SPRING, Governor
240	293964		FILTER, Fuel
241	293966		COVER, Fuel Filter
242	295913		VALVE, Fuel Shut Off
243	22547		STRAINER, Fuel
244	63377		CONNECTOR, Hose -(Metal Fuel Pipe)
245	68477		GASKET, Fuel Bowl -Included in Gasket Set-Part No. 295970
246	298683		BOWL, Fuel Filter
247	99665		YOKE, Bowl
265	220796		CLAMP, Casing
268	65616		CASING, Control Wire -(Cut To Required Length)

Footnotes:

where Cable is not molded into coil

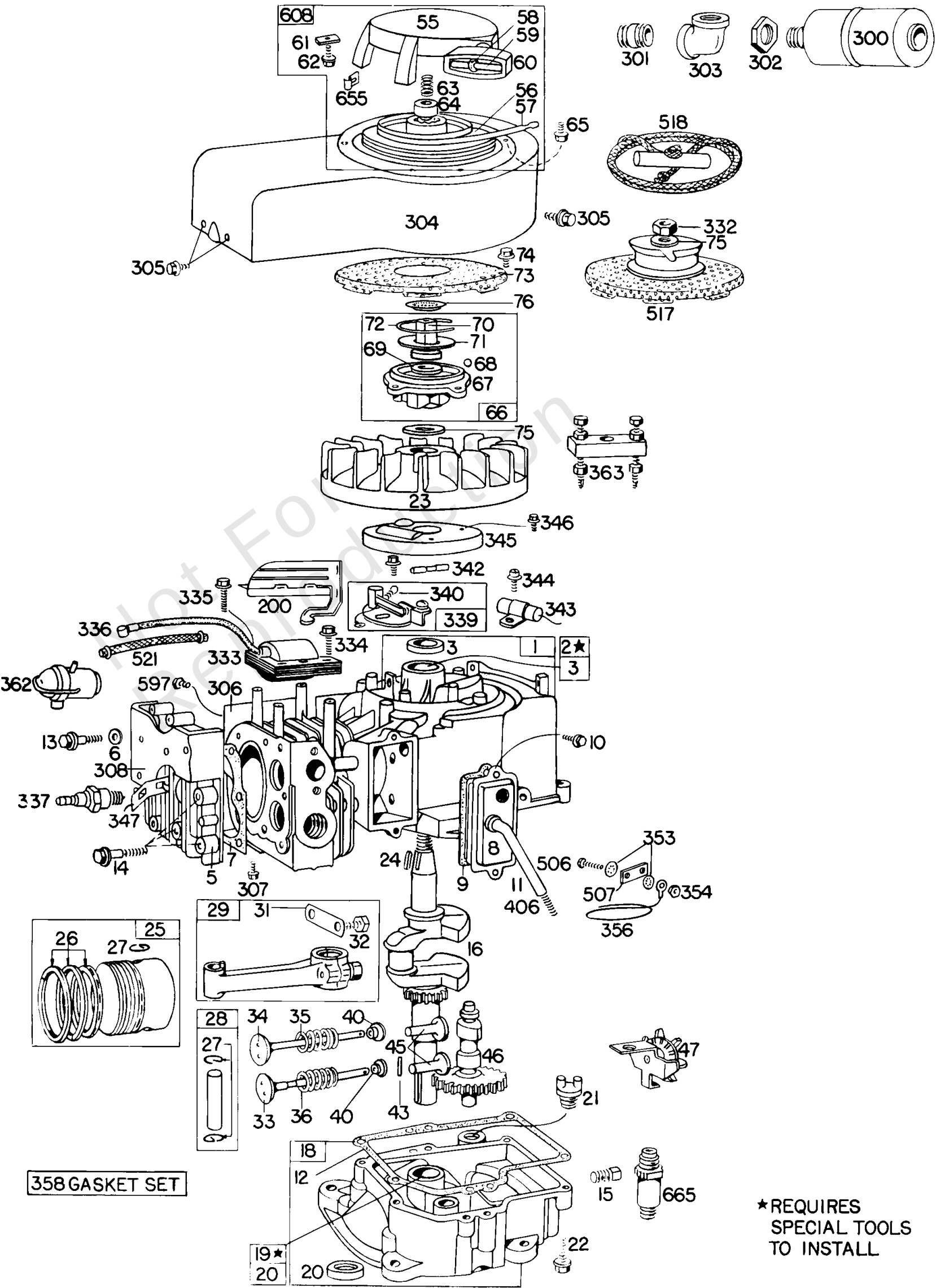


Carb Assy,Fuel Tank, A/C

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
282	93106		SCREW
283	294946		CONTROL, Speed -Uses: 260183 Spring-Control Rod (Used with Choke-A-Matic remote control)
284	93108		SCREW
348	66898		SWITCH, Stop
349	220902		SWITCH, Stop
356	295413		WIRE, Stop
359	93149		SCREW -(5-40 X 3/8)
360	93150		NUT
361	91432		SCREW -(10-32 X 7/8)
535	27987		FILTER, Air Cleaner Foam
536	297036		CLEANER, Air -(Used with Pull Choke Carburetor-Ref. 90A)
537	27994		GASKET, Air Cleaner -(Air Cleaner)
601	93053		CLAMP, Hose -(Green)

Footnotes:

where Cable is not molded into coil

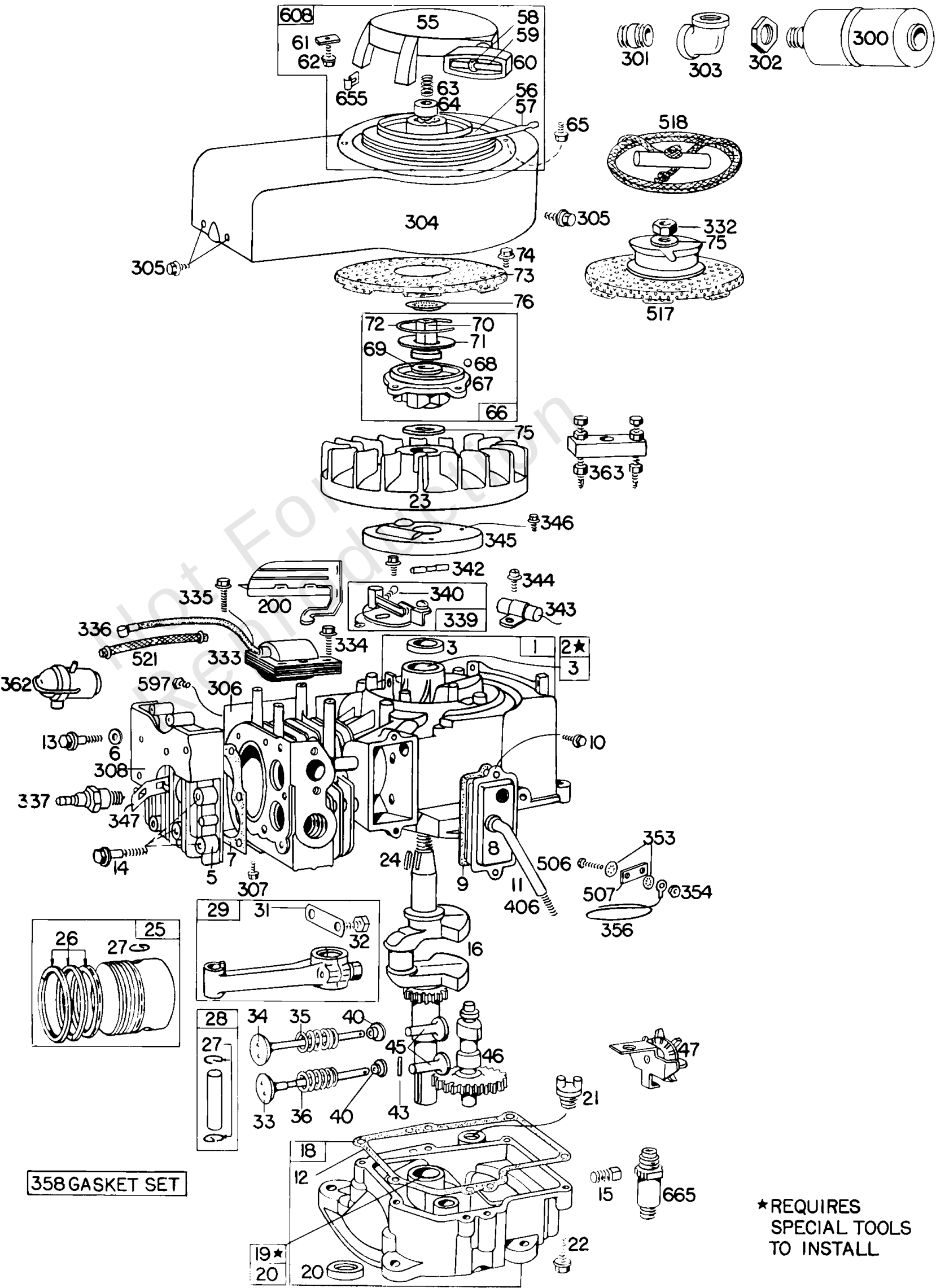


Cyl,Muffler,Piston,Sump,Rewind

REF NO	PART NO	QTY	DESCRIPTION
1	297721		CYLINDER ASSEMBLY
1	299218		CYLINDER ASSEMBLY
2	295962		KIT, Bushing/Seal
3	294606		SEAL, Oil
5	210578		HEAD, Cylinder
6	22963		WASHER
7	270340		GASKET, Cylinder Head -Included in Gasket Set-Part No. 295970
8	294988		BREATHER ASSEMBLY
9	27803		GASKET, Rocker Cover -Included in Gasket Set-Part No. 295970
10	93394		SCREW
11	67158		TUBE, Breather
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	260356		CRANKSHAFT
18	296594		SUMP, Engine
19	295963		KIT, Bushing/Seal
20	298423		SEAL, Oil
21	66768		PLUG, Oil
22	93205		SCREW
23	295214		FLYWHEEL
24	61760		KEY, Flywheel -(Breaker Ignition)
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)

Footnotes:

where Cable is not molded into coil

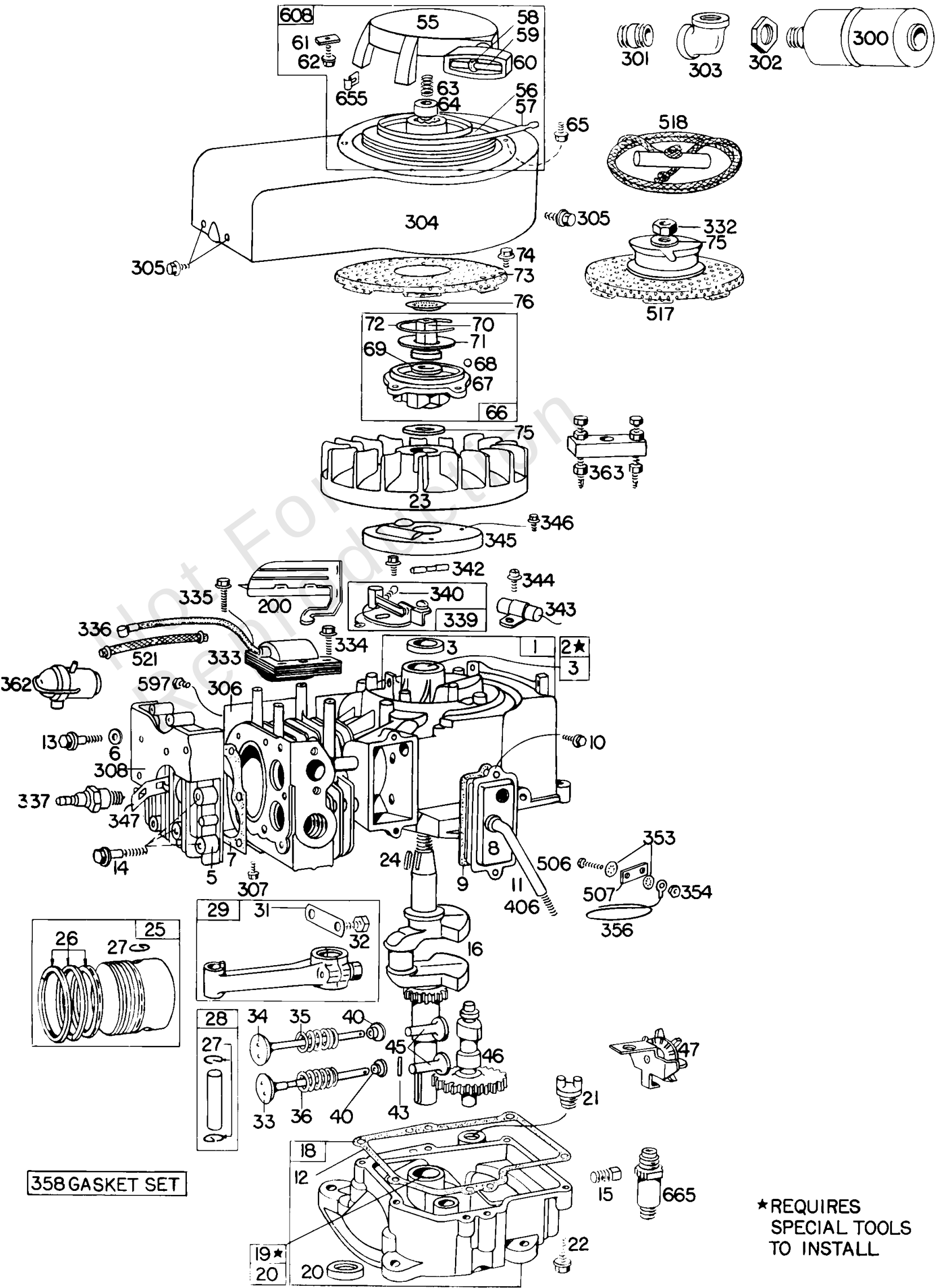


Cyl,Muffler,Piston,Sump,Rewind

REF NO	PART NO	QTY	DESCRIPTION
28	295841		PIN, Piston -(.005 Oversize)
29	295839		ROD, Connecting
31	220811		LOCK, Rod Screw
32	92659		SCREW -(Connecting Rod)
33	230385		VALVE, Exhaust -(With Hole In Stem)
34	230386		VALVE, Intake -(With Hole In Stem)
35	65906		SPRING, Valve -(Intake)
36	65906		SPRING, Valve -(Intake)
40	230477		RETAINER, Valve
43	230476		PIN, Retainer
43	230570		PIN, Retainer
45	260125		TAPPET, Valve
46	210728		CAMSHAFT
47	295063		SLINGER, Governor/Oil
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	66918		BUMPER, Starter Pulley
62	93254		SCREW -(Pulley)
63	260414		SPRING, Ratchet
64	230543		ADAPTER, Ratchet Spring
65	93163		SCREW
66	295684		CLUTCH, Starter -(Rewind Starter)
67	210400		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	296916		RATCHET, Clutch
71	220575		WASHER
71	221301		WASHER
71	66738		WASHER, Sealing -Used in clutches with 7 point shank ratchet. (Used only with 7 point shank ratchet)
72	26032		RETAINER
73	220823		SCREEN, Rotating
74	93042		SCREW
75	220865		WASHER -(Heavy Flywheel)

Footnotes:

where Cable is not molded into coil

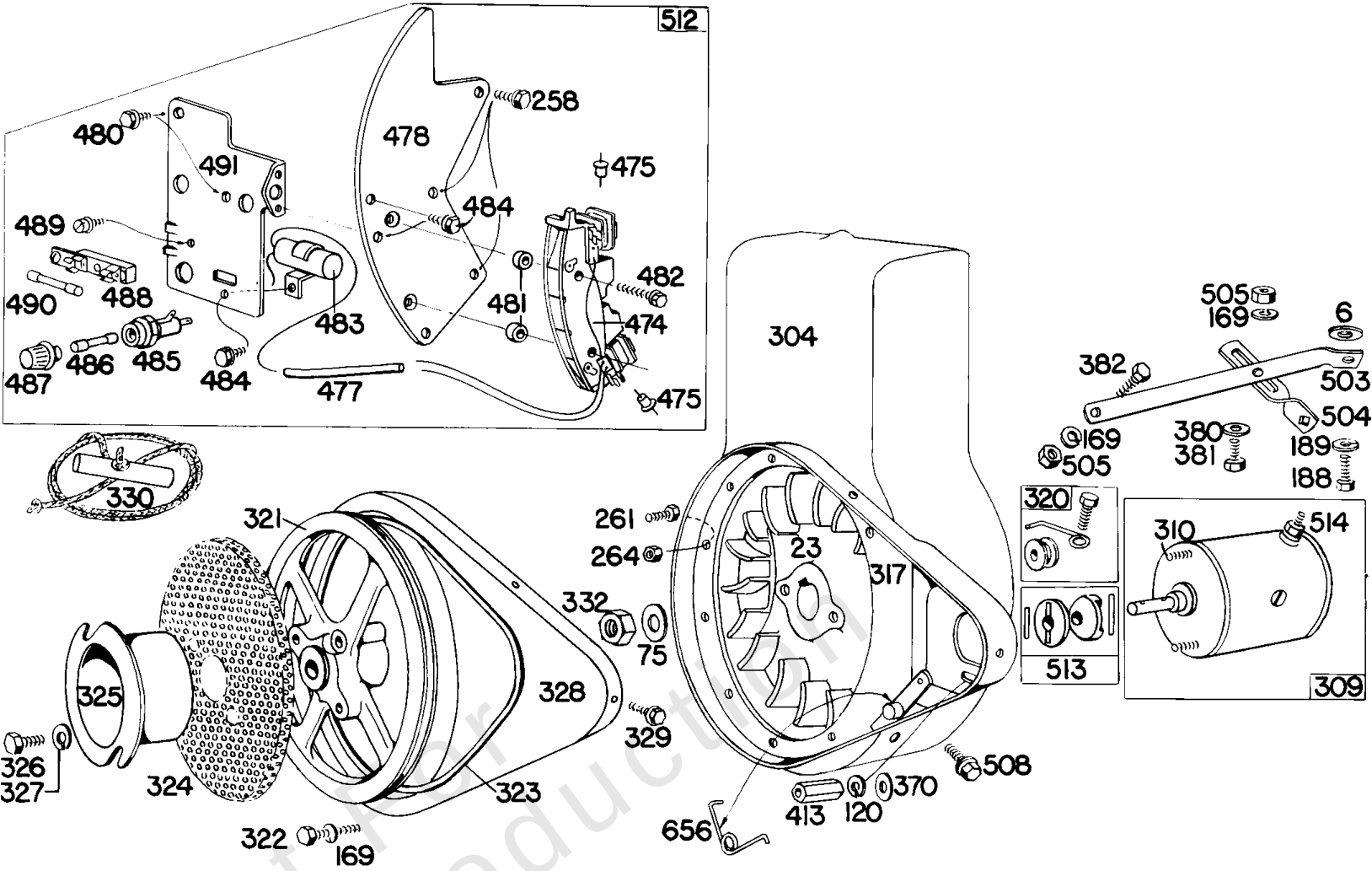


Cyl,Muffler,Piston,Sump,Rewind

REF NO	PART NO	QTY	DESCRIPTION
76	66738		WASHER, Sealing -Used with 7 point ratchet. (Used only with 7 point shank ratchet)
200	295844		BLADE, Governor
300	294599		MUFFLER
301	91245		ELBOW, Exhaust
302	91242		LOCKNUT -(Muffler and Elbow)
303	91205		ELBOW, Exhaust -(90 Degree)
304	295389		HOUSING, Blower
305	93158		SCREW -(1/4-20 X 5/8)
306	221005		SHIELD, Cylinder
307	93163		SCREW
308	220824		SWITCH, Stop
332	92284		NUT -(Flywheel)
333	296834		ARMATURE, Magneto
334	93381		SCREW
335	93381		SCREW
336	294735		CABLE, Ignition -Used Before Code Date 14677
337	29693		PLUG, Spark
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	93014		SCREW
347	221808		SWITCH, Stop
354	90576		NUT -(Ground Terminal)
356	295413		WIRE, Stop
358	295970		GASKET SET, Engine
362	291630		SHIELD, Spark Plug -(With Stop Switch)
363	19165		PULLER, Flywheel
406	260386		SPRING, Breather Tube
506	90072		SCREW -(8-32 X 5/8)
507	66895		INSULATOR
517	295423		PULLEY, Rope Starter
518	69932		GRIP, Starter Rope
521	298529		SHIELD, Protective
597	93258		SCREW
608	295001		STARTER, Rewind
655	221014		ANCHOR, Rewind Spring
665	296768		MINDER, Oil

Footnotes:

where Cable is not molded into coil

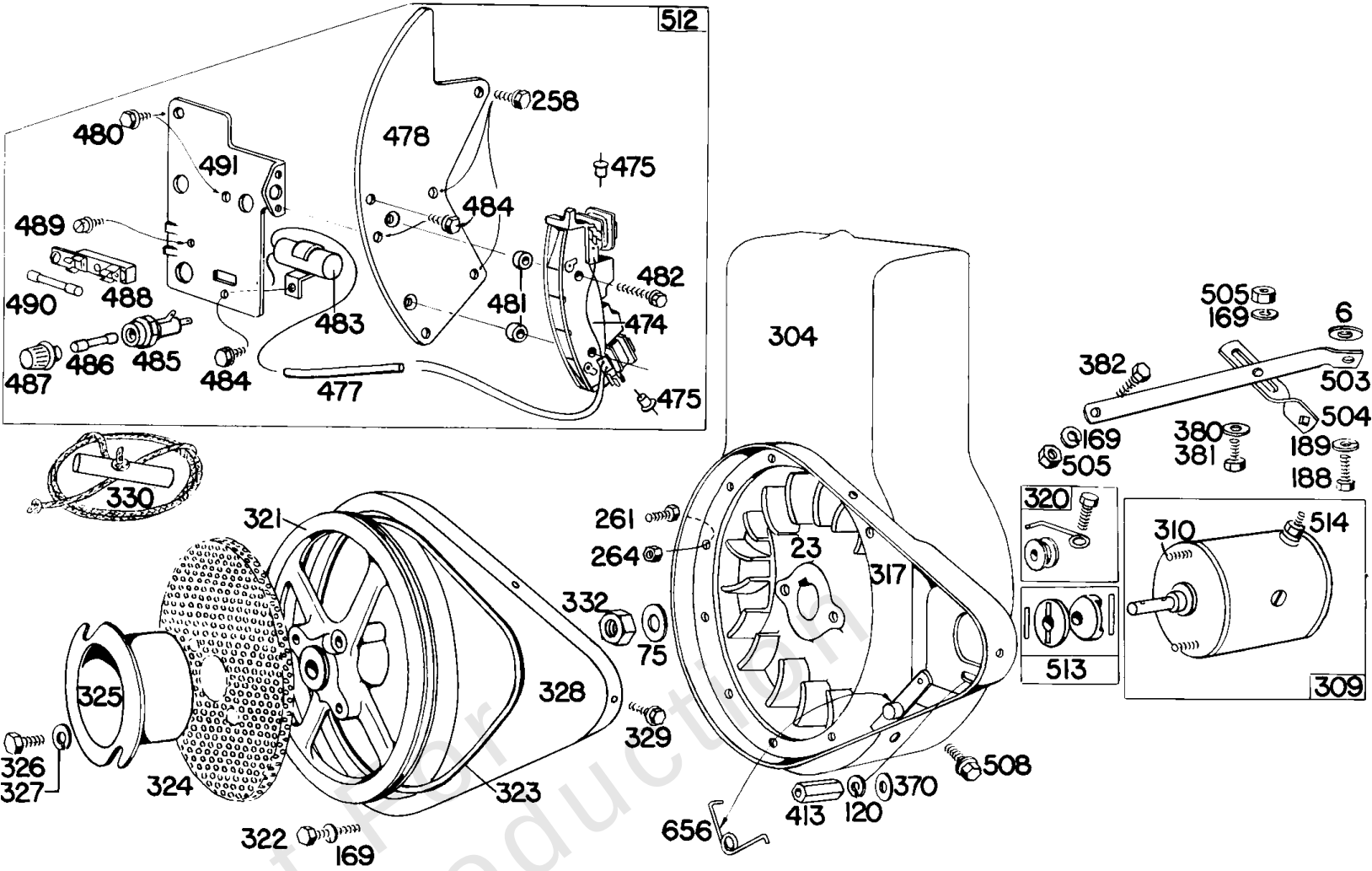


Electric Starter, Rewind

REF NO	PART NO	QTY	DESCRIPTION
6	22963		WASHER
23	295214		FLYWHEEL
75	220865		WASHER -(Heavy Flywheel)
120	92290		WASHER
169	90832		SCREW -(Blower Housing)
189	90366		WASHER
258	93062		SCREW
261	93105		SCREW
264	90355		NUT, Hex
304	295389		HOUSING, Blower
309	296122		MOTOR, Starter -(12 Volt) For service on these motors see your nearest Authorized Auto-Lite Service Station.
310	93268		BOLT -(Starter Motor)
317	296013		BRACKET, Starter Motor
320	297162		GEAR, Idler
321	210961		PULLEY, Starter
322	90931		SCREW
323	67318		BELT, Vee
324	221067		SCREEN, Rotating
325	221400		PULLEY, Rope Starter
326	92272		SCREW -(5/16-18 X 3/4)
327	91388		WASHER -(5/16 X 3/32 X 5/64)
328	221122		GUARD, Belt
329	93246		SCREW -(Belt Guard)
330	29878		ROPE, Starter
332	92284		NUT -(Flywheel)
370	66432		WASHER
380	62199		WASHER
381	91419		SCREW
382	92666		SCREW -(1/4-20 X 1/2)
413	230581		NUT -(Starter)
474	296436		ALTERNATOR
475	296562		RECTIFIER
477	67538		COVER, Wire
478	296367		BRACKET, Mounting
480	93163		SCREW
481	230582		SPACER -(Armature)
482	93234		SCREW -(Armature)
483	296266		CAPACITOR -(Condenser)

Footnotes:

where Cable is not molded into coil



Electric Starter, Rewind

REF NO	PART NO	QTY	DESCRIPTION
484	93166		SCREW
485	296437		HOLDER, Fuse
486	67135		FUSE -(1 1/2 Amp)
487	296347		HOLDER, Fuse
488	296579		BRACKET, Fuse
489	93237		SCREW -(Fuse Block)
490	67125		FUSE -(7 1/2 Amp)
491	221241		BRACKET, Support
503	221205		STRAP, Starter -(long) ()
504	221206		STRAP, Starter -(short)
505	92278		NUT -(Starting Switch)
508	93294		SCREW -(5/8)
512	296560		ARMATURE, Magneto
513	296567		CLUTCH, Starter
514	91700		NUT
656	260672		SPRING, Torsion

Footnotes:

where Cable is not molded into coil

Replacement Engine - US & Canada

REF NO	PART NO	QTY	DESCRIPTION
	-----		Top No-Load Speed: 3600 -Trim: ALL

Not For Reproduction

