

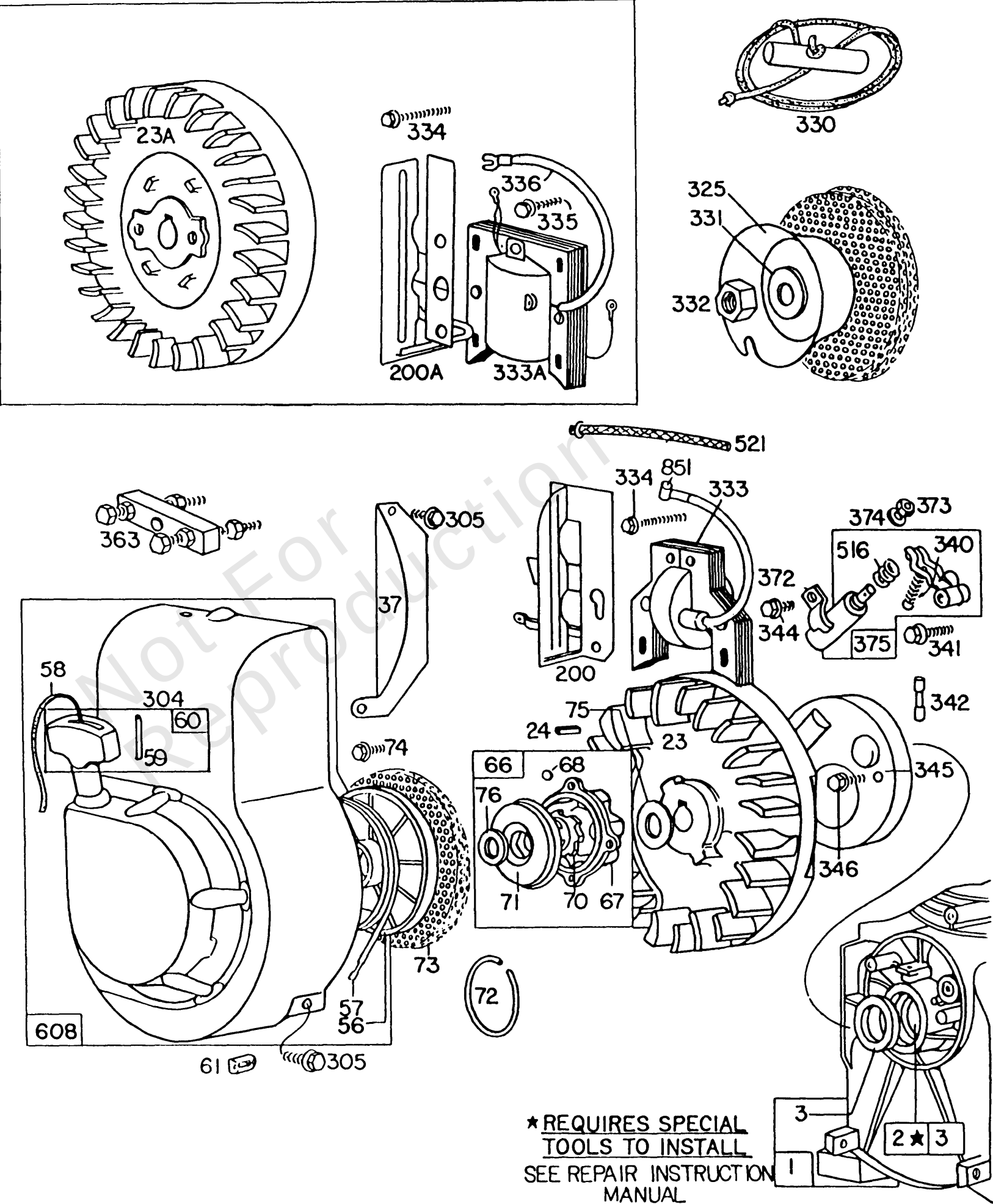


Parts Manual

Mfg. No: 060351-9421-57

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Not For
Reproduction

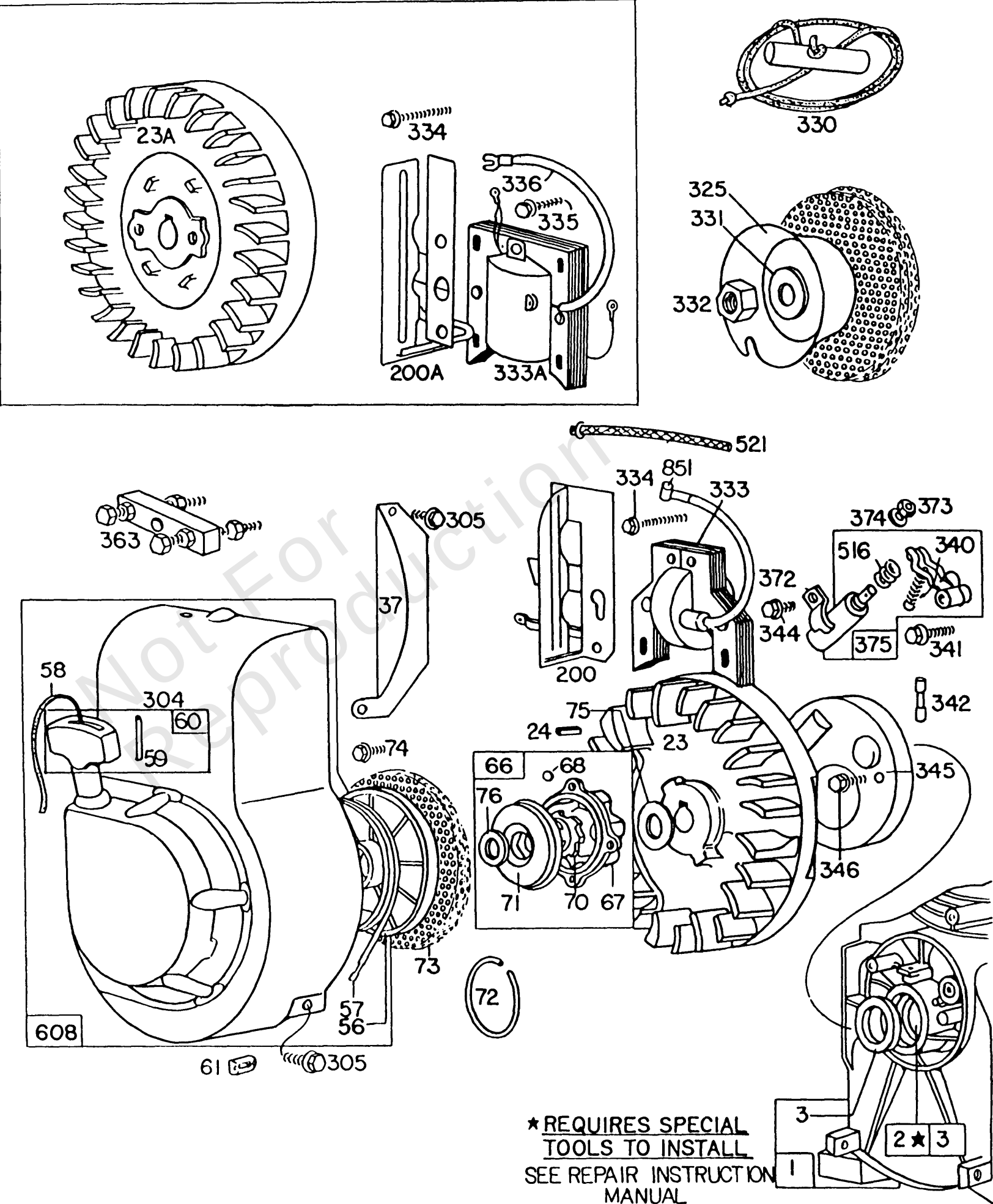


Blower Hsg,Flywheels,Rewind

REF NO	PART NO	QTY	DESCRIPTION
1	294301		CYLINDER ASSEMBLY -Used Before Code Date 5810060
1	296561		CYLINDER ASSEMBLY -Used After Code Date 5810030
2	293708		KIT, Bushing/Seal -(Plain Bearing)
3	89660		SEAL, Oil
23A	295936		FLYWHEEL -Used Before Code Date 6212310
23	296884		FLYWHEEL -Used After Code Date 6212310
24	61760		KEY, Flywheel -(Breaker Ignition)
37	220971		GUARD, Flywheel -Used with valves with groove in stem.
37	23184		RETAINER, Valve
37	23187		PIN, Locating -Used with valves with hole in stem, except those with Rotocap (Use with valves with hole in stem except with rotocap)
56	280117		PULLEY, Rope Starter -Used After Code Date 6506301
56	294088		PULLEY, Starter -Used Before Code Date 6507011
57	294303		SPRING, Rewind Starter
58	294584		ROPE, Starter -(47-1/8) If longer rope is needed, order No. 66684 or No. 66514 and cut to required length. -Used After Code Date 6506301 and Before Code Date 6507011
58	66694		ROPE, Starter -(47-1/8) -Used After Code Date 6506301
59	230228		PIN, Starter Grip
60	393152		GRIP-STARTER ROPE
61	68618		BUMPER, Starter Pulley -(Used with Steel Pulley only)
66	290221		CLUTCH, Starter
66	296468		CLUTCH, Starter -(Rewind and Wind-up Starter) -Used Before Code Date 6405250
66	298310		CLUTCH, Starter -(Rewind Starter) -Used After Code Date 6405220
67	210400		HOUSING, Clutch -Used Before Code Date 6405250
67	211383		HOUSING, Clutch -Used After Code Date 6405220
68	63770		BALL, Clutch
70	296597		RATCHET, Clutch -Used Before Code Date 6405250
70	298436		RATCHET, Clutch -Used After Code Date 6405220
71	220575		WASHER
71	221301		WASHER -Used Before Code Date 6405250
71	221653		WASHER -Used After Code Date 6405220

Footnotes:

Used on engines

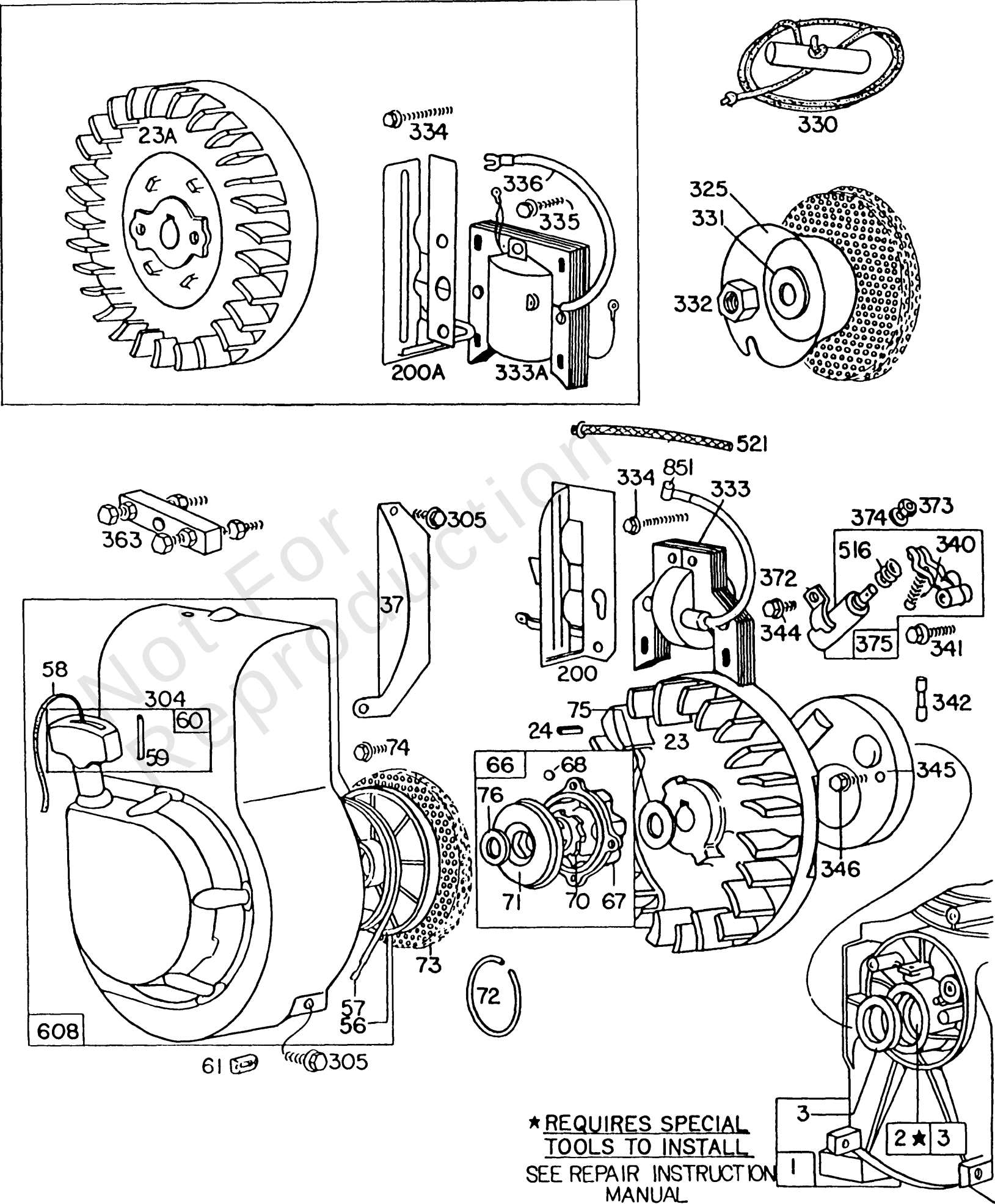


Blower Hsg,Flywheels,Rewind

REF NO	PART NO	QTY	DESCRIPTION
72	26032		RETAINER -Used Before Code Date 6405250
73	220648		SCREEN, Rotating -Used Before Code Date 6405250
73	221661		SCREEN, Rotating -(Rewind Starter) -Used After Code Date 6405220
74	93490		SCREW -(Rotating Screen)
75	220865		WASHER -(Heavy Flywheel)
76	68238		SEAL, Ratchet -Used After Code Date 6405220
200A	294617		BLADE, Governor -Used Before Code Date 6212310
200	297309		BLADE, Governor -Used After Code Date 6212310
304	-----		No Nomenclature -For type Numbers not listed below, see Ref. No. 608
305	92666		SCREW -(1/4-20 X 1/2)
305	93158		SCREW -(1/4-20 X 5/8)
325	293959		PULLEY, Rope Starter -(1/2 Hole In Pulley) For Pulley with Screen with 5/8 Hole in Pulley-order No. 298731
330	29878		ROPE, Starter
331	62577		WASHER -(1/2 Hole) For Washer with 5/8 Hole-order No. 220865
332	91708		NUT -(1/2-20 L.H. Thread) For Flywheel Nut with 5/8-18 Right Hand Thread order No. 92284
333	298502		ARMATURE, Magneto -(Points And Condenser) -Used After Code Date 6212310
334	93381		SCREW
335	93381		SCREW
340	26018		SPRING, Breaker Arm
341	93381		SCREW
342	65704		PLUNGER, Breaker
344	93042		SCREW
345	220366		COVER, Breaker
346	93014		SCREW
363	19069		PULLER, Flywheel
372	220477		CLAMP
373	92987		STARTER, Rewind
374	92813		WASHER
375	294628		BREAKER, Ignition
375	299061		BREAKER, Ignition -Includes: 294628 Point Set 65704 Plunger 61760 Key-Flywheel
516	260374		SPRING, Condensor
521	298445		SHIELD, Protective
521	92704		TERMINAL, Spark Plug
608	294259		HOUSING, Blower -(10 O'clock)

Footnotes:

Used on engines

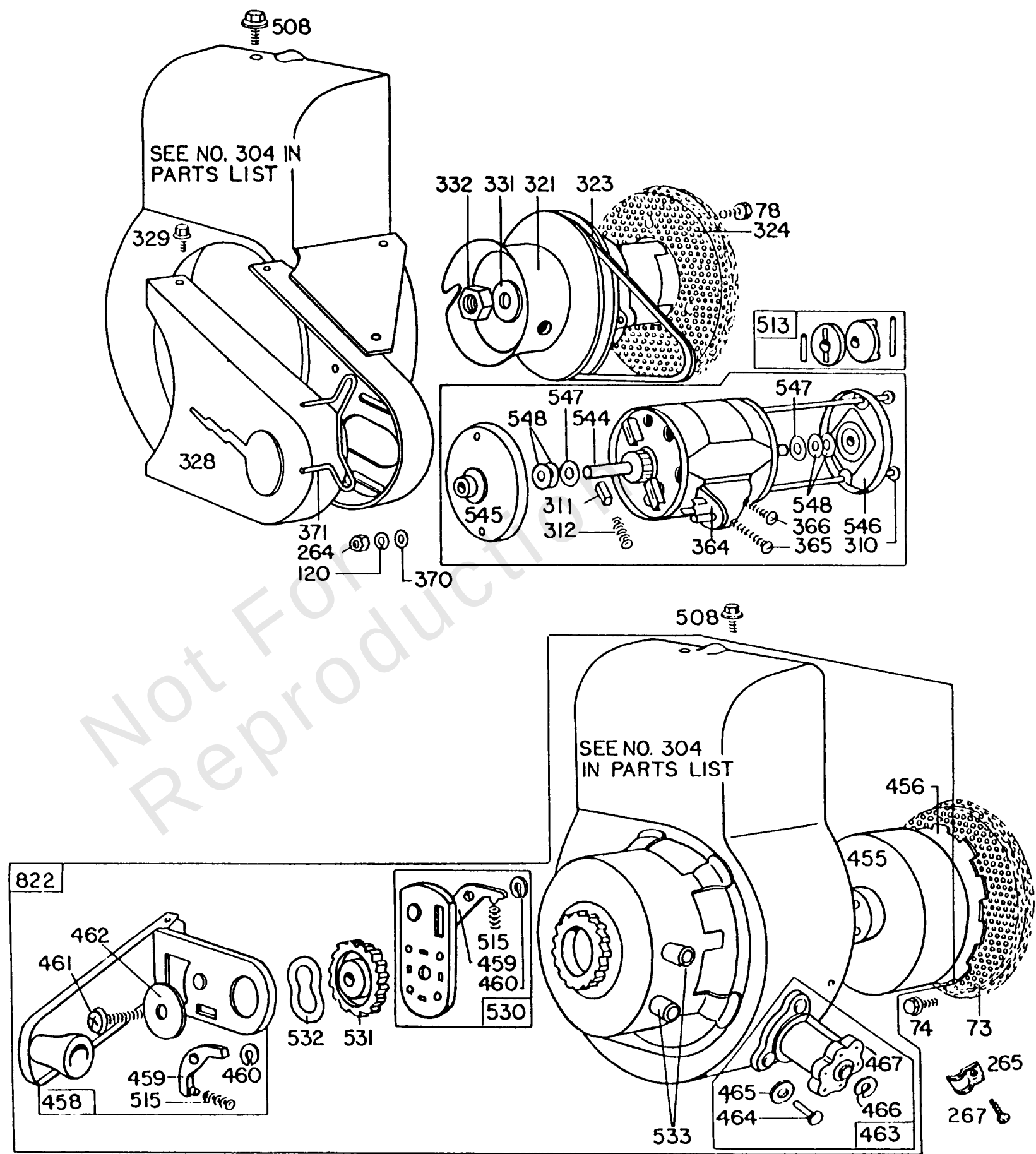


Blower Hsg,Flywheels,Rewind

REF NO	PART NO	QTY	DESCRIPTION
851	221798		TERMINAL, Spark Plug

Not For
Reproduction

Footnotes:
Used on engines

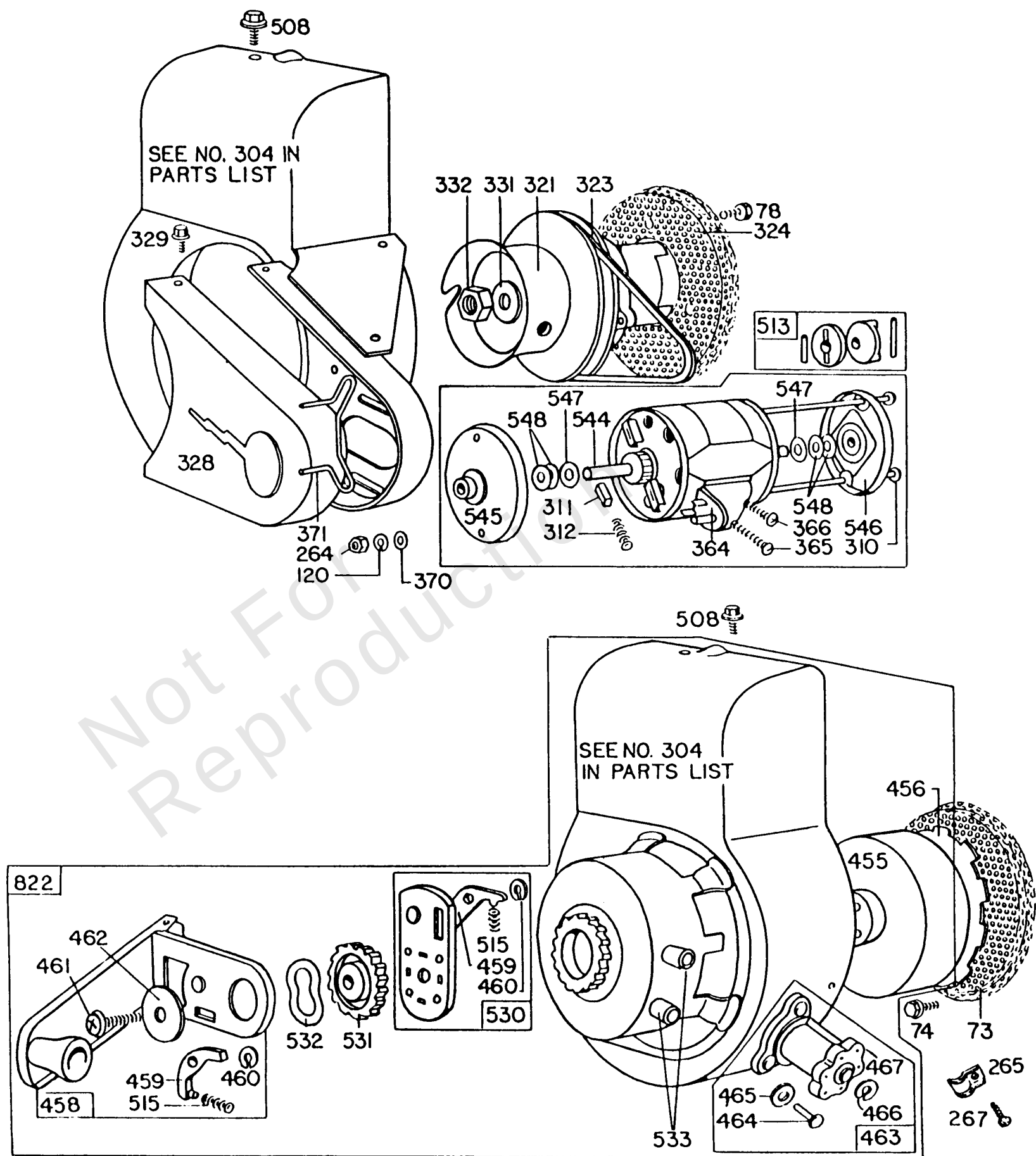


Blower Hsgs,Rewind Starters

REF NO	PART NO	QTY	DESCRIPTION
73	220648		SCREEN, Rotating -Used Before Code Date 6405250
73	221661		SCREEN, Rotating -(Rewind Starter) -Used After Code Date 6405220
74	93490		SCREW -(Rotating Screen)
78	93014		SCREW
120	92290		WASHER
264	90355		NUT, Hex
265	22372		CLAMP, Casing
267	90080		SCREW
304	-----		No Nomenclature -For type Numbers not listed below, see Ref. No. 608
310	93239		BOLT -(Starter Motor)
311	295697		SET, Brush
312	260404		SPRING, Brush
321	210711		PULLEY, Starter -(Fits Crankshafts With 1/2-20 Thread) When ordering this pulley, order No. 67228 Vee Belt also.
323	67038		BELT, Vee -Used Before Code Date 5905040
323	67228		BELT, Vee
324	220648		SCREEN, Rotating
328	221038		GUARD, Belt
329	93014		SCREW
331	62577		WASHER -(1/2 Hole) For Washer with 5/8 Hole-order No. 220865
332	91708		NUT -(1/2-20 L.H. Thread) For Flywheel Nut with 5/8-18 Right Hand Thread order No. 92284
364	295698		PLUG
365	93241		SCREW -(long) ()
366	93240		SCREW -(short)
370	66432		WASHER
371	260275		GUARD, Belt
455	296455		CUP, Flywheel -(With Pinned Spring)
456	221222		PLATE, Retainer
458	296305		HANDLE, Cranking
459	221332		PAWL, Ratchet
460	93272		RETAINER, E Ring
461	93231		SCREW
462	221237		WASHER
463	296445		HOUSING, Flywheel
464	93291		RIVET -(2)
465	221226		WASHER
466	93272		RETAINER, E Ring
467	211017		KNOB, Air Cleaner Cover

Footnotes:

Used on engines



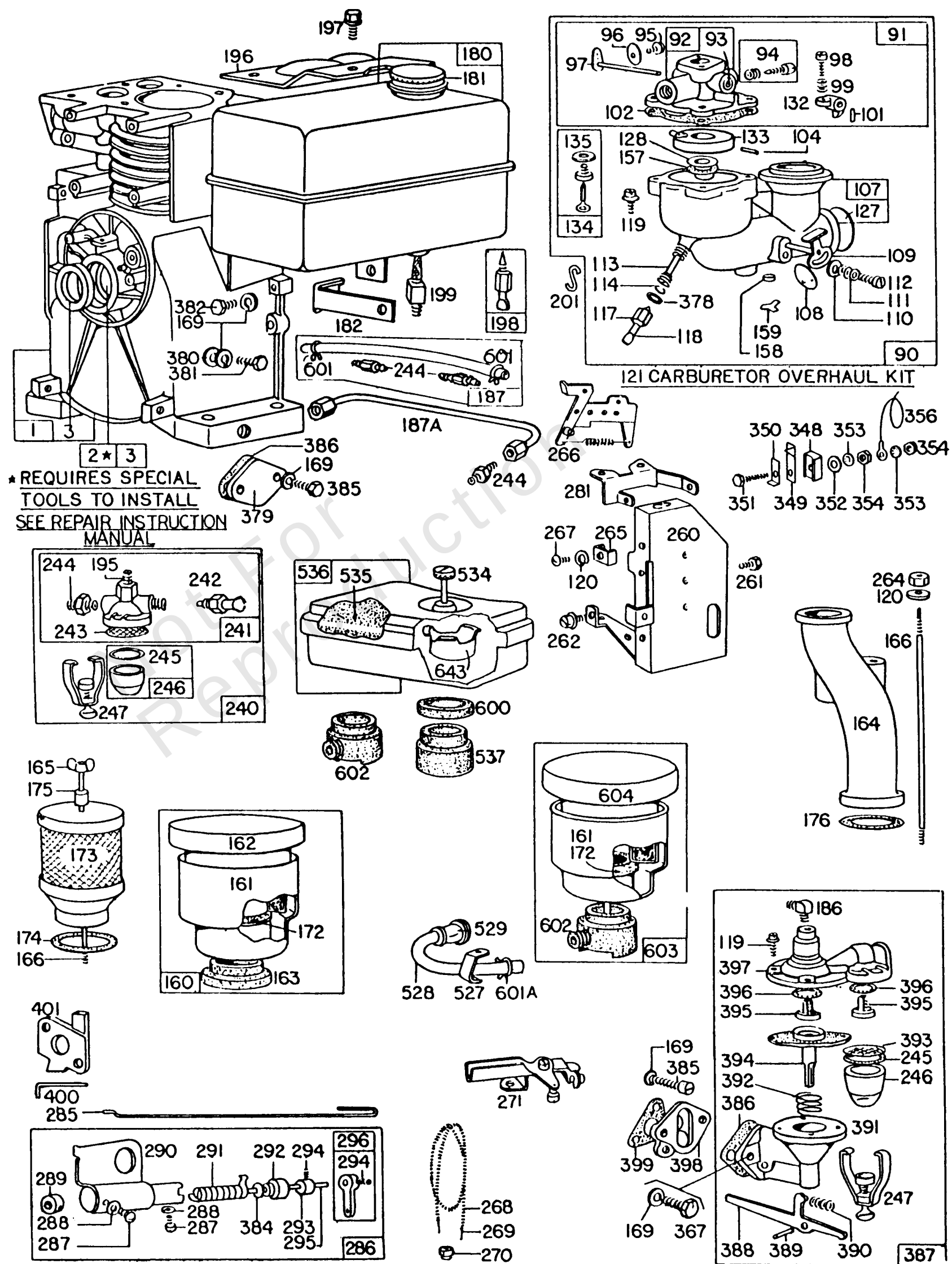
Blower Hsgs,Rewind Starters

REF NO	PART NO	QTY	DESCRIPTION
508	93294		SCREW -(5/8)
513	296567		CLUTCH, Starter
515	260537		SPRING, Ratchet
530	296304		PLATE, Pawl Friction
531	230615		PAWL, Ratchet
532	260500		WASHER -(Spring)
533	67478		SWITCH, Stop
544	296769		ARMATURE, Starter
545	296770		CAP, Drive
546	296775		CAP, End
547	270025		WASHER -(Fiber)
548	221381		WASHER, Thrust -(Steel)
822	296732		STARTER SUB ASSEMBLY

Not For
Reproduction

Footnotes:

Used on engines

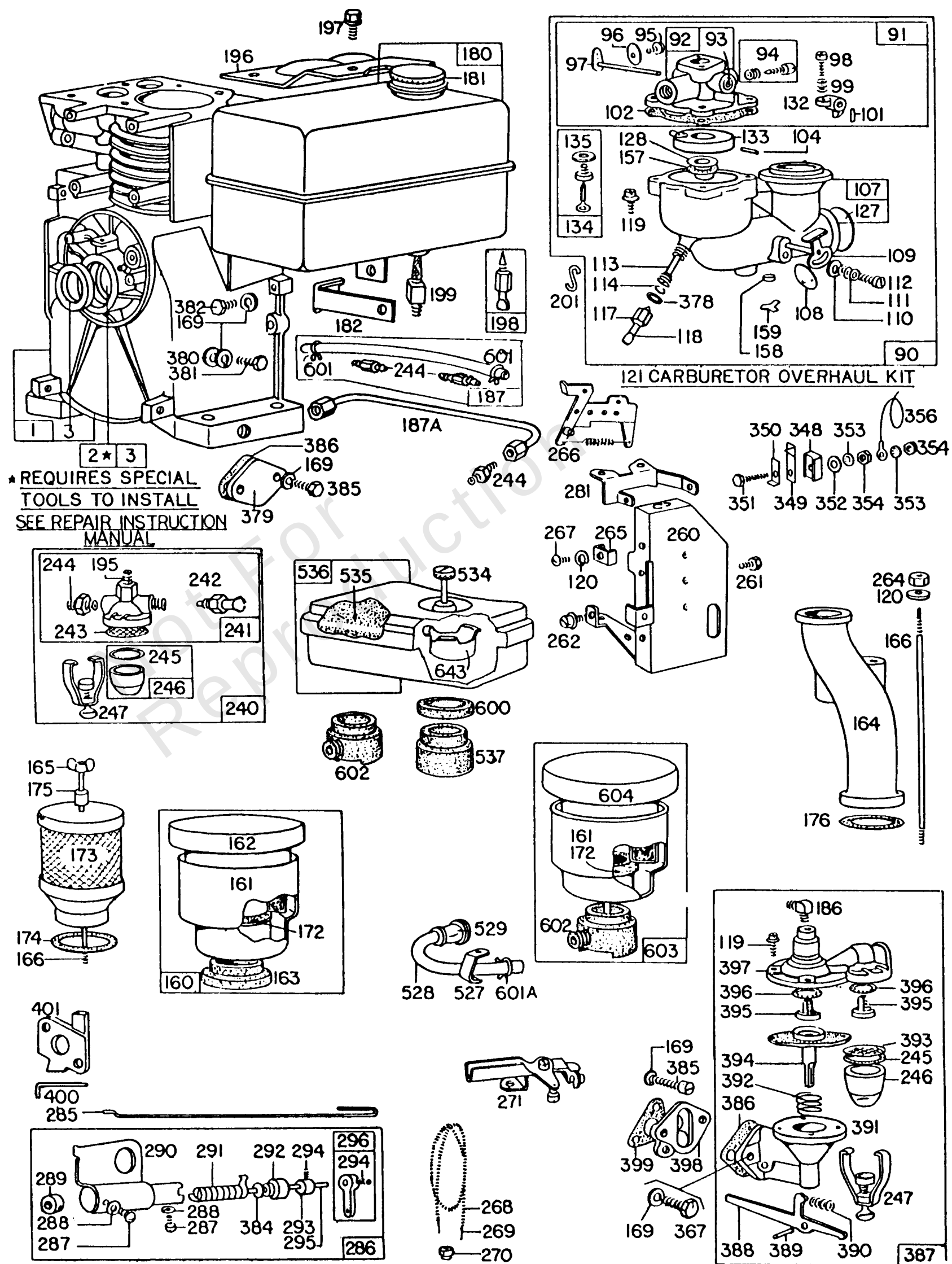


Carburetors,AirCleaners,Fuel

REF NO	PART NO	QTY	DESCRIPTION
1	294301		CYLINDER ASSEMBLY -Used Before Code Date 5810060
1	296561		CYLINDER ASSEMBLY -Used After Code Date 5810030
2	293708		KIT, Bushing/Seal -(Plain Bearing)
3	89660		SEAL, Oil
90	294311		CARBURETOR -(Manual Choke)
91	294312		BODY, Upper Carburetor
92	99634		BODY, Upper Carburetor
93	23230		BUSHING, Throttle Shaft
94	292681		VALVE, Idle Mixture
95	93038		SCREW -(Throttle Valve)
96	22036		VALVE, Throttle
97	293907		SHAFT, Throttle
98	91920		SCREW -(8-32 X 5/8)
99	26157		SPRING, Compression -Included in Carburetor Overhaul Kit-Part No. 291691
101	93043		PIN, Shaft
102	27917		GASKET, Carburetor Body -Included in Carburetor Overhaul Kit-Part No. 291691
104	23114		PIN, Float Hinge -Included in Carburetor Overhaul Kit-Part No. 291691
107	293515		BODY, Lower Carburetor
108	220897		VALVE, Choke
109	294874		KIT, Choke Shaft -(Manual Choke)
110	220899		WASHER -(Choke Lever)
111	26229		SPRING, Choke Return
112	23270		SCREW -(Choke Lever)
113	23222		NOZZLE, Carburetor -Included in Carburetor Overhaul Kit-Part No. 291691
114	68887		PACKING, Needle Valve -Included in Carburetor Overhaul Kit-Part No. 291691
117	23227		NUT -Included in Carburetor Overhaul Kit-Part No. 291691
118	230005		VALVE, Float Needle
119	93347		SCREW -(Throttle) (Fuel Pump)
120	92290		WASHER
121	291691		KIT, Carburetor Overhaul
127	220352		PLUG, Welch
128	21216		VENTURI, Carburetor
132	61967		STOP, Throttle
133	293477		FLOAT, Carburetor
134	293478		VALVE, Float Needle -Included in Carburetor Overhaul Kit-Part No. 291691
135	68877		GASKET, Valve Seat

Footnotes:

Used on engines

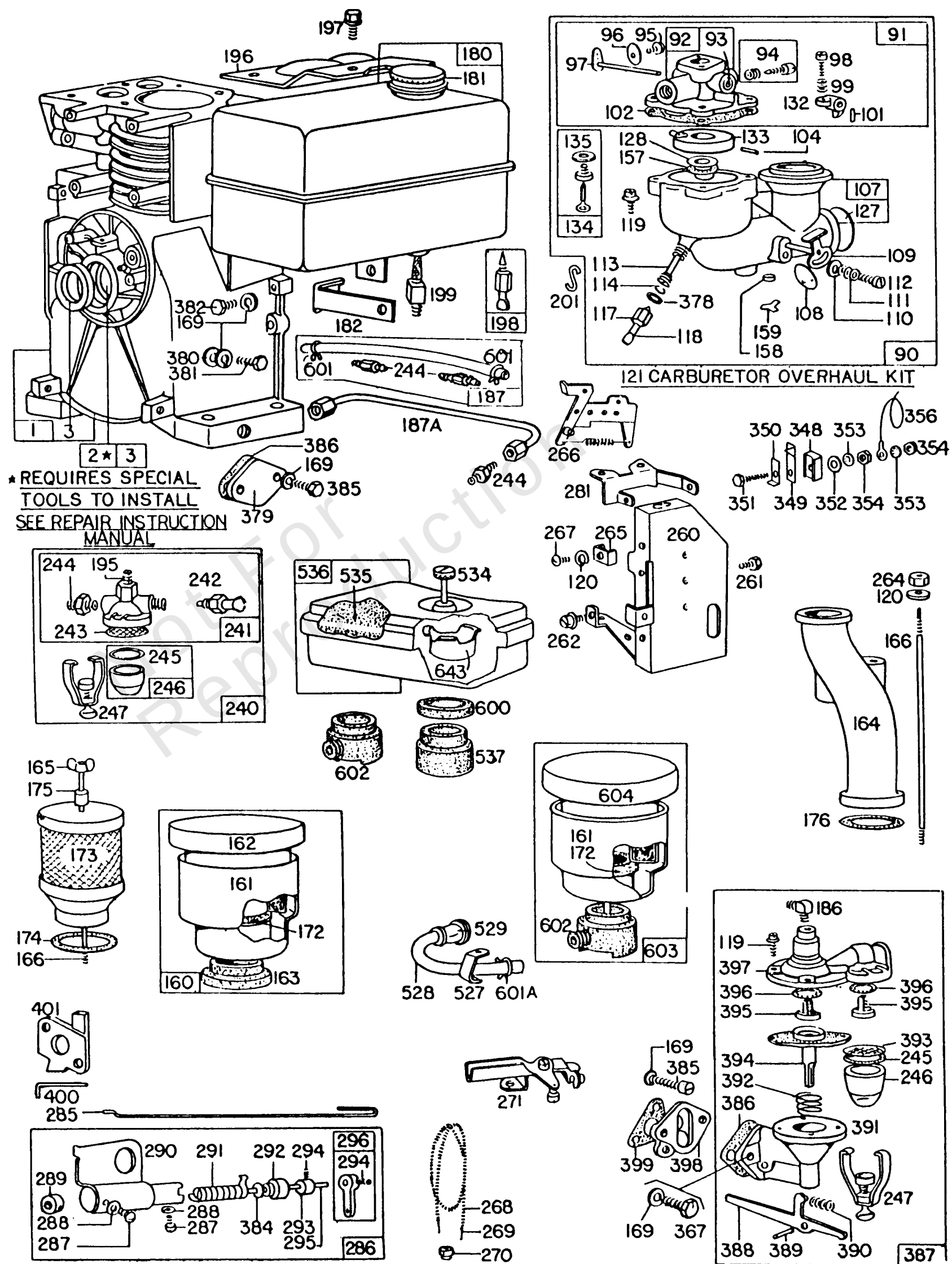


Carburetors,AirCleaners,Fuel

REF NO	PART NO	QTY	DESCRIPTION
157	68897		GASKET, Venturi
158	27590		PLUG, Carburetor Filter/Drain
159	220521		RETAINER, Carburetor Drain
160	294868		CLEANER, Air -(With Mounting Stud)
161	293991		CLEANER, Air
162	294863		COVER, Air Cleaner -(With Mounting Stud)
163	27660		GASKET, Air Cleaner
164	210534		ELBOW, Intake
165	92067		NUT
166	230238		STUD -(Air Cleaner)
166	230361		STUD -(Air Cleaner)
169	90832		SCREW -(Blower Housing)
172	27795		GASKET, Air Cleaner -(Air Cleaner)
173	99395		ARRESTOR, Spark
174	27423		GASKET, Air Cleaner
175	23215		SPACER
176	27603		GASKET, Air Cleaner
181	69221		CAP, Fuel Tank -(1 3/4 O.D. Top)
182	220195		BRACKET, Fuel Tank
186	66111		CONNECTOR, Hose -(Metal Fuel Pipe)
187A	292486		PLUG
187A	294530		LINE, Fuel
187A	92713		CONNECTOR, Hose
187A	99511		TEE -(Imperial Brass Co. No. 72-f)
187A	294531		LINE, Fuel
187A	-----		No Nomenclature
187	391409		LINE, Fuel -(Flexible Line)
195	91635		NIPPLE, Fuel
196	220358		BRACKET, Fuel Tank
197	93083		SCREW
198	293934		VALVE, Fuel Shut Off
199	292797		OUTLET, Tank -(Used with brass fitting-includes strainer) (Metal Fuel Pipe)
199	295896		OUTLET, Tank -(Includes Strainer)
201	26235		LINK, Air Vane
240	89346		FILTER, Fuel
241	89347		COVER, Air Cleaner -(Metal Fuel Pipe)
242	295913		VALVE, Fuel Shut Off
243	22547		STRAINER, Fuel
244	230318		CONNECTOR, Hose

Footnotes:

Used on engines

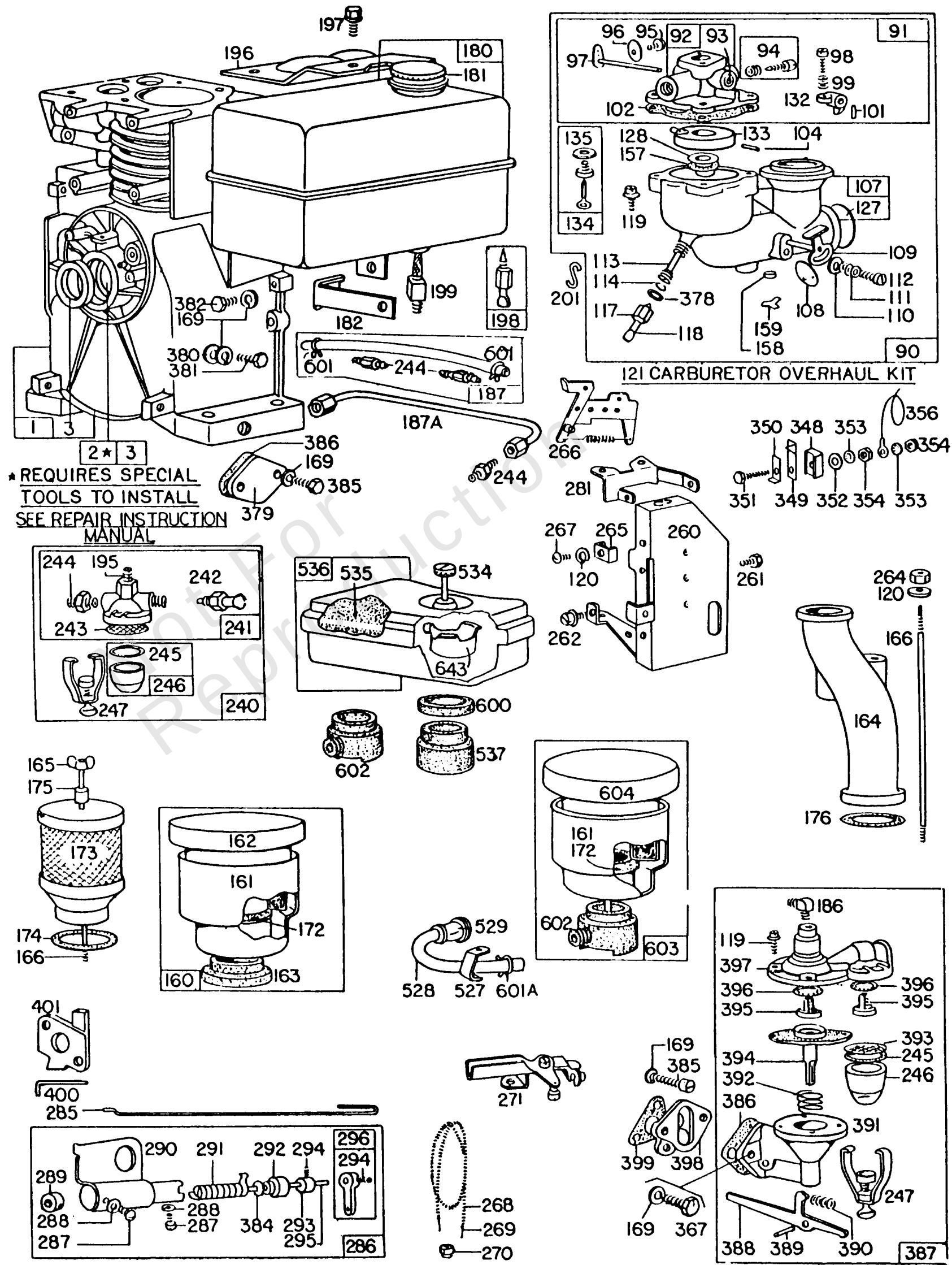


Carburetors,AirCleaners,Fuel

REF NO	PART NO	QTY	DESCRIPTION
245	68477		GASKET, Fuel Bowl
246	298683		BOWL, Fuel Filter
247	99665		YOKE, Bowl
260	295756		CONTROL, Speed
261	93105		SCREW
262	93394		SCREW
264	90355		NUT, Hex
265	22372		CLAMP, Casing
266	290062		CONTROL, Throttle
267	90080		SCREW
268	66986		CASING, Control Wire -(Cut To Required Length)
269	26099		WIRE, Control -(Cut To Required Length) If longer wire is needed, specify length by inches; if shorter wire is needed order No. 26099 and cut to required length.
270	63426		NUT -(Control Wire Casing)
271	290568		LEVER, Control
281	221090		BRACKET, Mounting
285	26687		LINK, Choke
286	294491		THERMOSTAT
287	90050		SCREW -(6-32 X 1/4)
288	90362		WASHER -(6 X 3/64 X 1/32)
289	23886		THERMOSTAT
290	294492		BRACKET, Mounting
291	26594		THERMOSTAT
292	23885		THERMOSTAT
293	23884		STOP, Shaft
294	92678		SCREW
295	230365		ROD, Control
296	291044		LEVER, Actuator
348	67118		SWITCH, Stop
349	221077		SWITCH, Stop
350	221078		CLAMP
351	93218		SCREW -(Stop Switch)
352	66068		WASHER -(Fiber)
353	92791		WASHER
354	90576		NUT -(Ground Terminal)
356	296185		WIRE, Stop
367	91183		SCREW
378	22032		WASHER -Included in Gasket Set-Part No. 297275
379	22984		COVER, Fuel Pump
380	62199		WASHER
381	91419		SCREW
382	92636		SCREW -(1/4-20 X 2)

Footnotes:

Used on engines

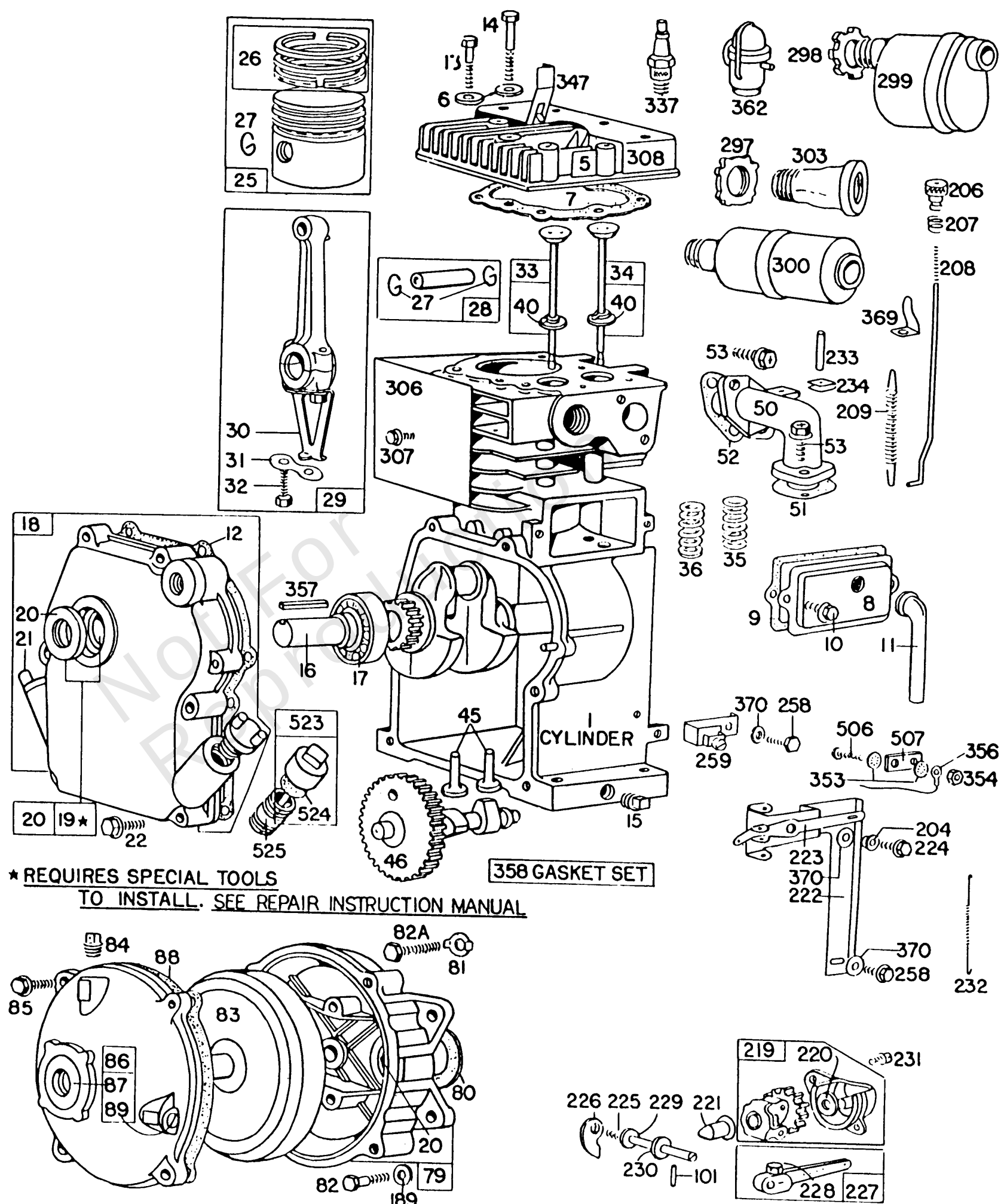


Carburetors,AirCleaners,Fuel

REF NO	PART NO	QTY	DESCRIPTION
382	93158		SCREW -(1/4-20 X 5/8)
384	62899		WASHER -(Thermostat)
385	93110		SCREW
386	27314		GASKET, Fuel Bowl
387	290465		PUMP, Fuel
388	22735		LEVER, Control -(Fuel Pump)
389	23783		PIN, Retainer
390	26587		KIT, Spring/Screw
391	21695		BODY, Fuel Pump
392	26588		SPRING, Pump Diaphragm
393	22740		STRAINER, Fuel
394	290622		DIAPHRAGM, Carburetor
395	290623		SEAT, Valve
396	66204		GASKET, Fuel Bowl
397	21694		COVER, Fuel Filter
398	210533		SPACER -(Fuel Pump)
399	27699		GASKET, Fuel Bowl
400	230010		WRENCH
401	21927		SPACER -(Carburetor) Used only on engines Equipped with automatic choke.
527	220754		CLAMP, Tube
528	230346		TUBE, Breather
529	66578		TUBE, Breather
534	63949		STUD -(Air Cleaner)
534	93323		SCREW
535	27987		FILTER, Air Cleaner Foam
536	296766		CLEANER, Air
537	27666		GASKET, Air Cleaner -Used on engines with vented breather and No. 296766 Air Cleaner (Ref. No. 536)
537	27994		GASKET, Air Cleaner -(Air Cleaner)
600	270003		SPACER -(Air Cleaner)
601A	93807		CLAMP, Hose -(Black)
601	93053		CLAMP, Hose -(Green)
602	27666		GASKET, Air Cleaner
603	294873		CLEANER, Air -(With Mounting Stud) (Vented Breather)
604	294864		COVER, Air Cleaner -(with mounting stud) (Used with vented breather)
643	221321		CUP, Air Cleaner

Footnotes:

Used on engines



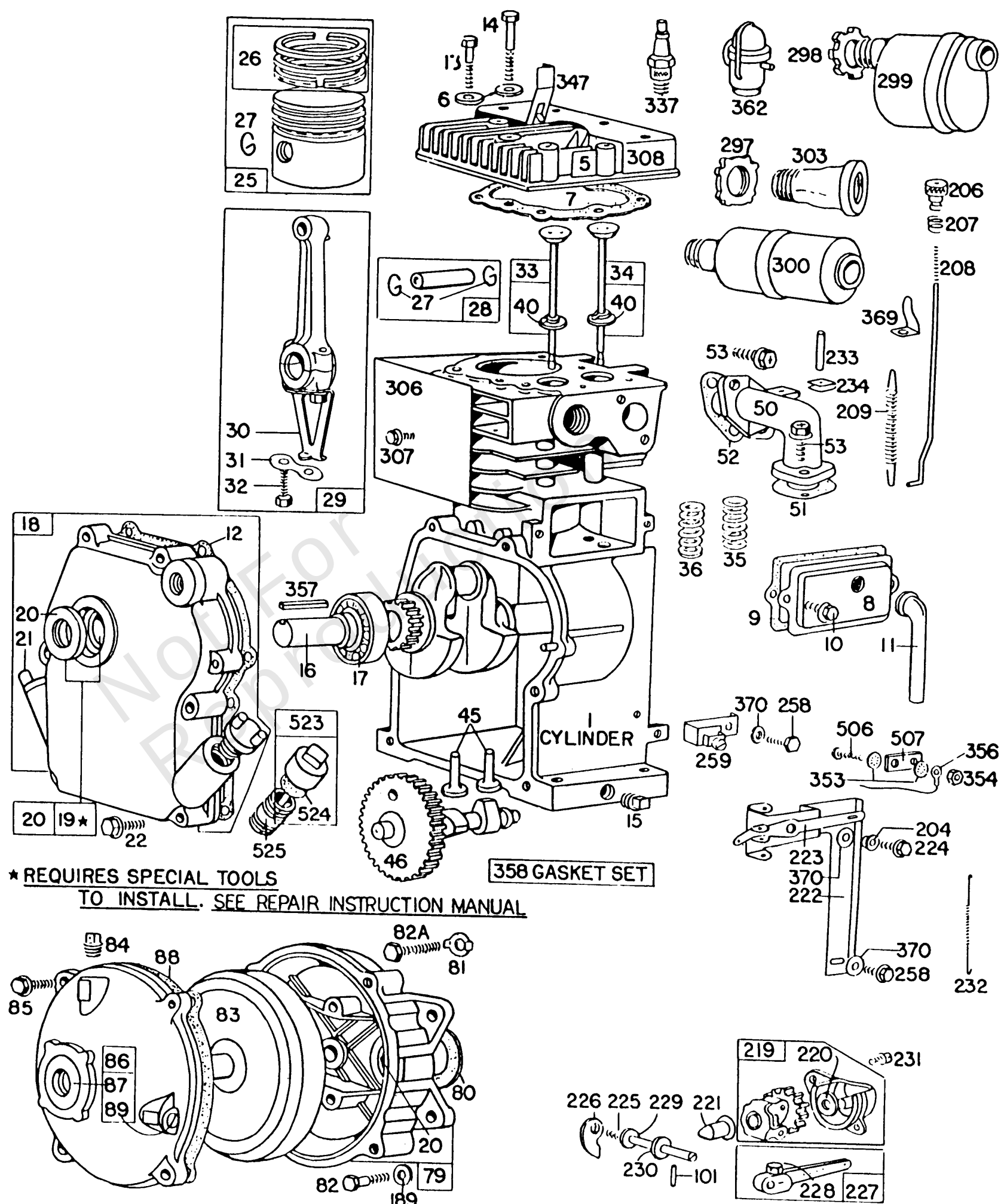
Cylinder,Crankcase,Gear Case

REF NO	PART NO	QTY	DESCRIPTION
5	210209		HEAD, Cylinder -Used Before Code Date 5810060
5	210624		HEAD, Cylinder -Used Before Code Date 5810060
5	210812		HEAD, Cylinder
6	22963		WASHER
8	294178		COVER, Breather Passage
9	27549		GASKET, Rocker Cover -Included in Gasket Set-Part No. 297275
10	93394		SCREW
11	66638		TUBE, Breather
12	27586		GASKET, Crankcase -(.015) Included in Gasket Set-Part No. 297275
12	27617		GASKET, Crankcase -(.005) Included in Gasket Set-Part No. 297275
12	27618		GASKET, Crankcase -(.009) Included in Gasket Set-Part No. 297275
13	91386		SCREW -(2)
14	92674		SCREW -(2-7/16)
14	92985		SCREW -(3)(Cylinder Head)
15	91249		PLUG, Oil Drain -(1/4 Square)
16	260043		CRANKSHAFT
17	99158		BEARING-BALL
19	293708		KIT, Bushing/Seal -(Plain Bearing) Parts 220538, 293708 and 294499 require special tools for installation.
20	89660		SEAL, Oil
21	66768		PLUG, Oil
22	93032		SCREW -(Fuel Tank) (Tank)
25	293400		PISTON ASSEMBLY -(2-5/16 Bore) -Used Before Code Date 5810060
25	293401		PISTON ASSEMBLY -(2-5/16 Bore) -Used Before Code Date 5810060
25	293402		PISTON ASSEMBLY -(2-5/16 Bore) -Used Before Code Date 5810060
25	293403		PISTON ASSEMBLY -(2-5/16 Bore) -Used Before Code Date 5810060
25	295587		PISTON ASSEMBLY -Used After Code Date 5810030
25	295588		PISTON ASSEMBLY -(2-3/8 Bore) -Used After Code Date 5810030
25	295589		PISTON ASSEMBLY -(2-3/8 Bore) -Used After Code Date 5810030
25	295590		PISTON ASSEMBLY -(2-3/8 Bore) -Used After Code Date 5810030

Footnotes:

Used on engines

Uses: 220863 Washer-Spacer (Between tank bracket and one boss on cylinder head)



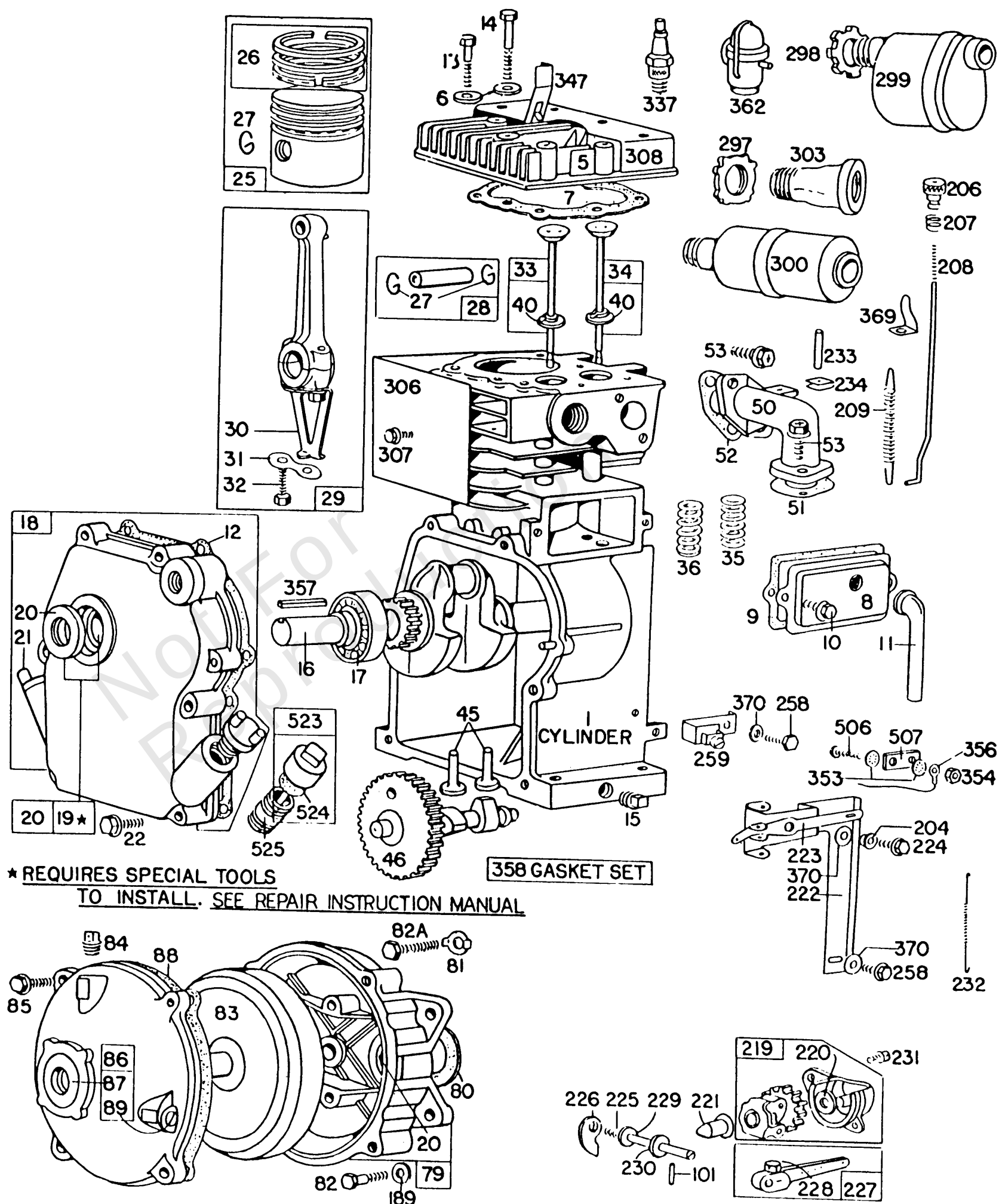
Cylinder,Crankcase,Gear Case

REF NO	PART NO	QTY	DESCRIPTION
26	293506		SET, Ring -Used Before Code Date 5810060
26	293507		SET, Ring -(.010 Oversize) -Used Before Code Date 5810060
26	293508		SET, Ring -(.020 Oversize) -Used Before Code Date 5810060
26	293509		SET, Ring -(.030 Oversize) -Used Before Code Date 5810060
26	294224		SET, Ring -(.010 Oversize) -Used After Code Date 5810030
26	294225		SET, Ring -(.020 Oversize) -Used After Code Date 5810030
26	294226		SET, Ring -(.030 Oversize) -Used After Code Date 5810030
26	294232		SET, Ring -Used After Code Date 5810030
26	297201		SET, Ring -(Standard)
27	26026		LOCK, Piston Pin
28	298908		PIN, Piston -(.005 Oversize)
28	298909		PIN, Piston
29	294300		ROD, Connecting
30	220459		DIPPER, Connecting Rod
31	220460		LOCK, Rod Screw
32	92296		SCREW -(Connecting Rod)
33	296676		VALVE, Exhaust -(Grooved Stem-Includes Retainer)
34	23386		VALVE, Intake -(With Hole In Stem) -Used Before Code Date 5810060
34	296677		VALVE, Intake -(Grooved stem-includes Retainer)
35	260552		SPRING, Valve -(Exhaust)
36	26478		SPRING, Valve -(Exhaust)
40	93312		RETAINER, Valve -(Valves With Groove In Stem)
45	230173		TAPPET, Valve
46	210453		CAMSHAFT
50	210201		MANIFOLD, Intake
51	68987		GASKET, Intake -Included in Gasket Set-Part No. 297275. Included in Carburetor Overhaul Kit-Part No. 291691
52	27355		GASKET, Intake -(2) Included in Carburetor Overhaul Kit-Part No. 291691
53	93170		SCREW -(Intake) (Intake Manifold)

Footnotes:

Used on engines

Uses: 220863 Washer-Spacer (Between tank bracket and one boss on cylinder head)



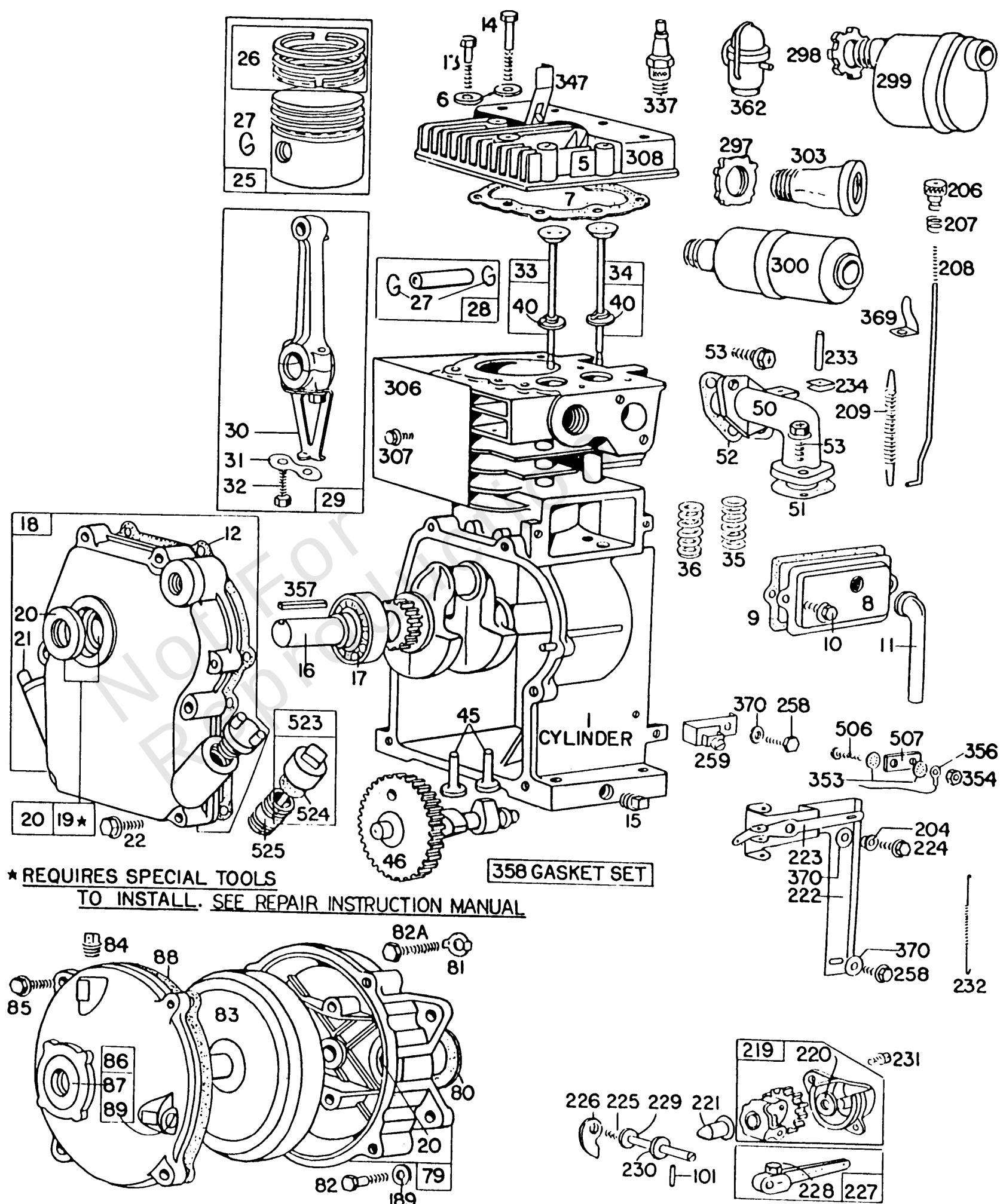
Cylinder,Crankcase,Gear Case

REF NO	PART NO	QTY	DESCRIPTION
53	93357		SCREW
79	290779		CASE, Gear Reduction
80	27667		GASKET, Gear Case
81	220234		LOCK, Muffler Screw
82A	92279		SCREW -(5/16-24 X 1/2)
82	91541		SCREW -(5/16-24 X 7/8) Use: 92279 Screw, Cap, Hex. Hd.-5/16-24 x 1-1/2 on inside of gear case to mount same to crankcase.
84	92617		SCREW -(Gear Case)
85	92747		SCREW -(Used on Two Top Holes to Mount Cover)
86	291730		COVER, Gear
87	19011		SEAL, Oil
88	27313		GASKET, Gear Cover/Housing
89	92015		PLUG, Oil Drain -(1/8 Standard)
89	93448		PLUG, Oil Drain -(Flush) (1/4-18 NPTF) -Used After Code Date 6304170
101	93043		PIN, Shaft
189	90366		WASHER
204	23688		LEVER, Governor Control -(With 3/8 Dia. Flange)
206	230149		NUT, Governor Adjusting -(5-44)
207	26855		SPRING, Governor Link
208	230194		ROD, Control
209	26925		SPRING, Governor
219	296688		GEAR, Governor
220	220673		WASHER, Thrust -(1/16 Thick) -Used Before Code Date 6104010
220	221361		WASHER, Thrust -(.030 Thick) (.030)
221	230177		CUP, Governor
222	220691		BRACKET, Control -(Mechanical Governor)
223	220690		LEVER, Governor Control
224	93067		SCREW -(3/8)
225	230181		SHAFT, Governor Gear
226	220381		CRANK, Governor
227	294077		LEVER, Governor Control
228	93100		SCREW -(Governor Lever)
229	220680		WASHER
230	22826		WASHER
231	93064		SCREW
232	260178		SPRING/LINK, Governor
233	230253		STOP, Shaft -(7/8)

Footnotes:

Used on engines

Uses: 220863 Washer-Spacer (Between tank bracket and one boss on cylinder head)



Cylinder,Crankcase,Gear Case

REF NO	PART NO	QTY	DESCRIPTION
234	220730		CLIP, Control Rod
258	93062		SCREW
259	294502		BRACKET, Control
297	91811		LOCKNUT -(Elbow)
298	220859		LOCKNUT -(Muffler and Elbow)
299	294441		MUFFLER -(Lo Tone)
300	89966		MUFFLER
303	91810		ELBOW, Exhaust -(45 Degree Street)
306	220478		SHIELD, Cylinder
307	93042		SCREW
308	220581		COVER, Cylinder Head
337	29693		PLUG, Spark
337	298809		PLUG, Spark -Spark Plugs 298809, 29693 and 293918 use Ignition Cable Terminal No. 221798
347	220884		SWITCH, Stop
347	221808		SWITCH, Stop
353	92791		WASHER
354	90576		NUT -(Ground Terminal)
356	296185		WIRE, Stop
357	91539		KEY, Drive Pulley -(3/16 Square)
358	297275		GASKET SET, Engine -(Used with Rotary Choke Carburetors)
362	291630		SHIELD, Spark Plug -(With Stop Switch)
369	220705		GUIDE, Rod
370	66432		WASHER
506	90200		SCREW -(8-32 X 1/2)
507	66895		INSULATOR
523	69345		CAP, Oil Fill
524	65304		SEAL, O-Ring -(Dipstick Cap)
525	91258		TUBE, Dipstick -(2 1/2)

Footnotes:

Used on engines

Uses: 220863 Washer-Spacer (Between tank bracket and one boss on cylinder head)

Replacement Engine - US & Canada

REF NO	PART NO	QTY	DESCRIPTION
	831320049	1	Replacement Engine
	-----		Top No-Load Speed: 3000 -Trim: ALL
	-----		Service Note: If the replacement engine supersedes to or is a Model 83100 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 that the Model 83100 series engine cannot be used because of equipment interference, the engine should be repaired with a short block and/or individual parts.
	-----		Service Note: Replacement engine listed is not available in the State of California. Repair with individual parts.
	-----		Service Note: For all Go-Karts use only a Model 136200 series engine as a replacement, regardless of the original Model.

