

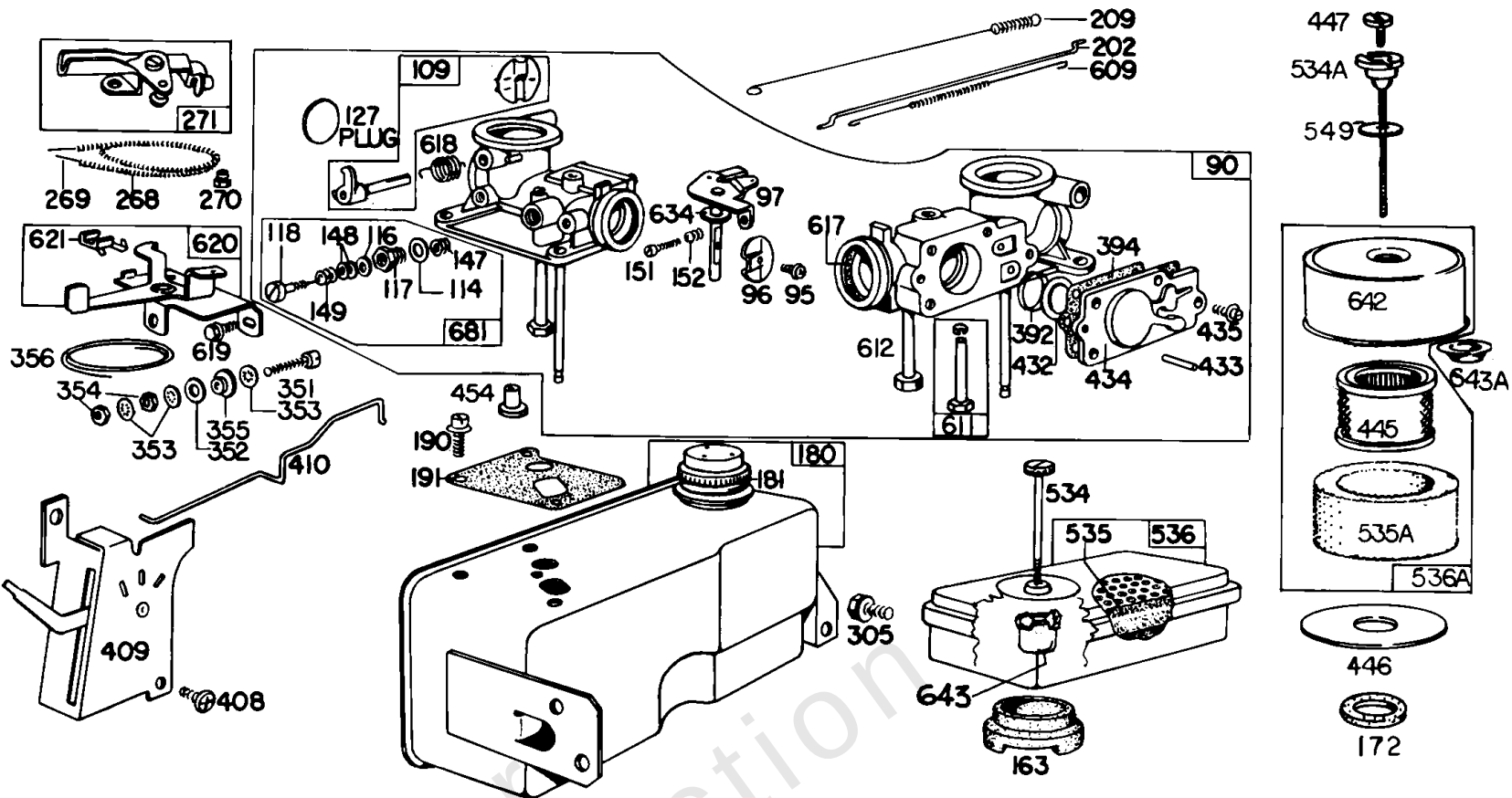


Parts Manual

Mfg. No: 100902-4000-22

Model Components	Page
Carburetor Assy,Fuel,A/C.....	4
Complete Engine Assembly.....	8
Replacement Engine - US & Canada.....	20

Not For
Reproduction

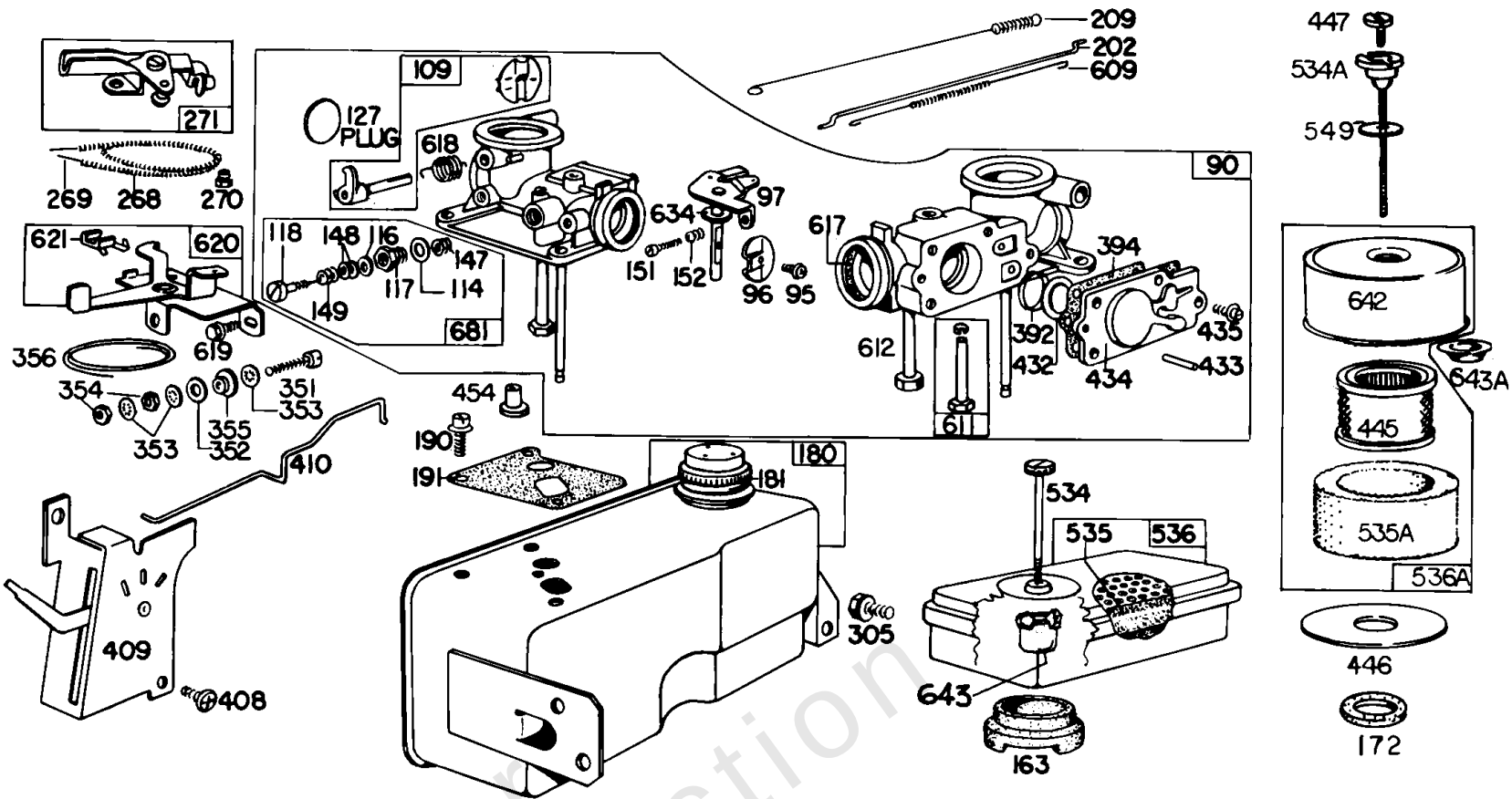


Carburetor Assy,Fuel,A/C

REF NO	PART NO	QTY	DESCRIPTION
90	297567		CARBURETOR
95	93499		SCREW -(Throttle Valve)
96	211237		VALVE, Throttle
97	299692		SHAFT, Throttle
109	390076		SHAFT, Choke
114	66594		WASHER, Sealing -(Needle Valve)
116	65978		SEAL, O-Ring -(Needle Valve)
117	230590		NUT
118	23433		VALVE, Float Needle
127	22831		PLUG, Welch
147	230591		SEAT, Needle Valve
148	22235		WASHER
149	26336		SPRING, Needle Valve
151	93527		SCREW -(5-40 X 5/8)
152	260575		SPRING, Throttle Return
163	27660		GASKET, Air Cleaner
172	271077		SPACER, Air Cleaner
180	297257		TANK, Fuel
181	392304		CAP, Fuel Tank
190	93440		SCREW
191	270073		GASKET, Fuel Tank -Included in Gasket Set-Part No. 297616
202	260654		LINK, Throttle
209	260703		SPRING, Governor
268	66986		CASING, Control Wire -(Cut To Required Length)
269	26099		WIRE, Control -(Cut To Required Length) If longer wire is needed, specify length in inches; if shorter wire is needed order No. 26099 and cut to required length.
270	63426		NUT -(Control Wire Casing)
271	290568		LEVER, Control
305	93158		SCREW -(1/4-20 X 5/8)
351	91920		SCREW -(8-32 X 5/8)
352	66794		WASHER -(Insulating)
353	92791		WASHER
354	90576		NUT -(Ground Terminal)
355	66554		WASHER -(Insulating)
356	298479		WIRE, Stop
392	260455		SPRING, Pump Diaphragm
394	270026		DIAPHRAGM, Carburetor
408	93537		SCREW
409	299509		CONTROL, Speed

Footnotes:

Cables used after this Code number are integral with the ignition coil

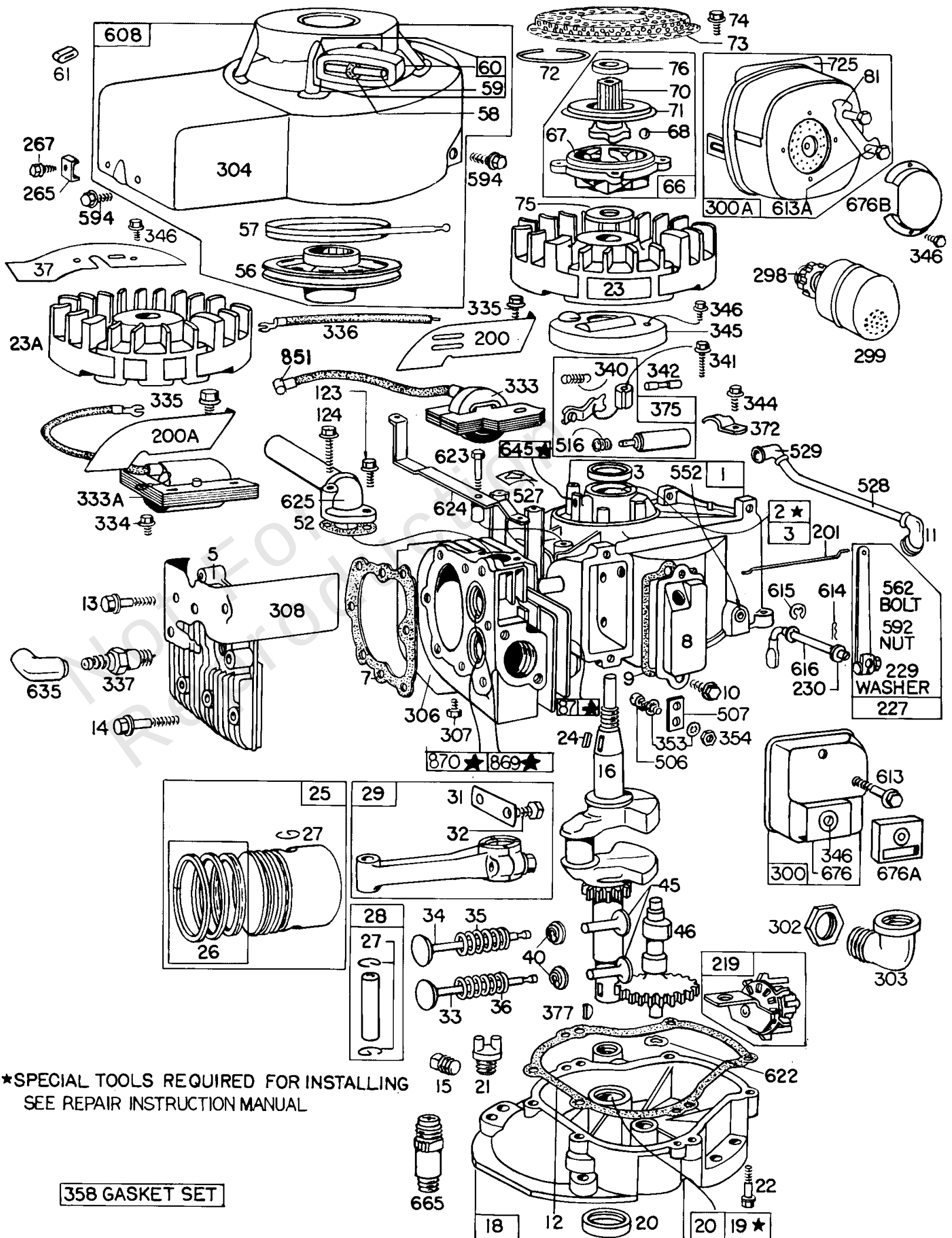


Carburetor Assy,Fuel,A/C

REF NO	PART NO	QTY	DESCRIPTION
410	260948		LINK, Throttle
432	221377		CAP, Spring
433	93265		PIN, Locating
434	210959		COVER, Diaphragm
435	93141		SCREW -(Diaphragm Cover)
445	392308		FILTER, A/C Cartridge
446	222844		BASE, Air Cleaner
447	93817		SCREW
454	296178		FILTER, Fuel -(3/16 O.D. Brass Pipe)
534A	93818		SCREW -(Air Cleaner)
534	63949		STUD -(Air Cleaner)
534	93374		SCREW -(Air Cleaner)
535A	270979		FILTER, Air Cleaner Foam
535	270067		FILTER, Air Cleaner Foam
535	270209		FILTER, Air Cleaner Foam -Uses: 221969 Support-Air Cleaner
535	390492		FILTER, A/C Cartridge -Uses: 221969 Support-Air Cleaner
536A	392368		CLEANER, Air
536	297595		CLEANER, Air
549	270978		WASHER -(Below Internal Screw Head)
609	260029		SPRING, Throttle Return
611	391813		TUBE-PICK UP -(2 And 3 Quart Tanks)
612	296811		TUBE, Pick Up
617	270074		SEAL, O-Ring -(Intake)
618	260648		SPRING, Choke Return
619	93380		SCREW
620	297457		BRACKET, Control
621	297472		SWITCH, Stop
634	270167		SEAL, Choke/Throttle Shaft -(Felt)
642	222626		COVER, Air Cleaner
643A	222594		SUPPORT, Foam Element -(1/4 Deep)
643	221321		CUP, Air Cleaner
681	299060		VALVE, High Speed -(Threaded)

Footnotes:

Cables used after this Code number are integral with the ignition coil



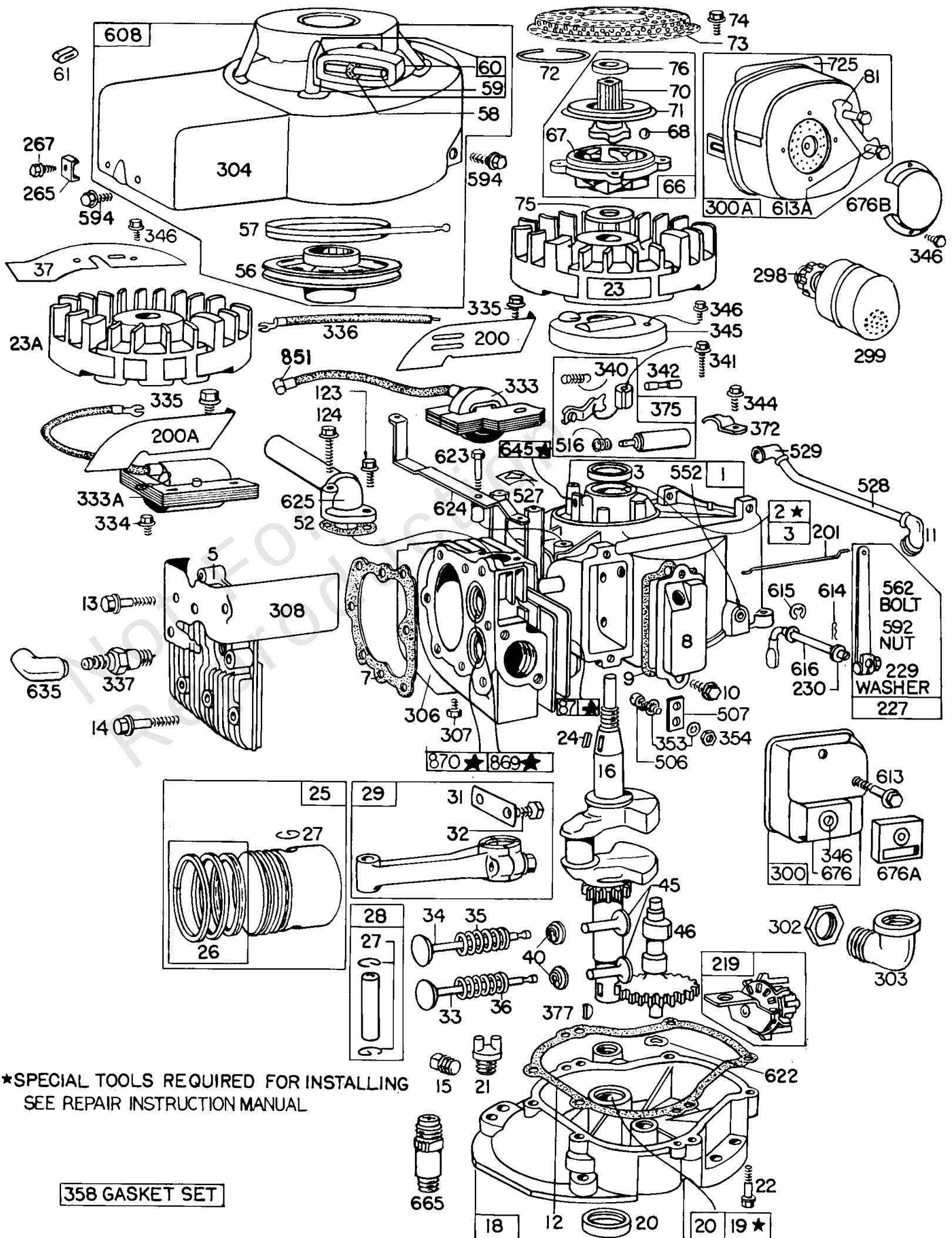
Complete Engine Assembly

REF NO	PART NO	QTY	DESCRIPTION
1	391976		CYLINDER ASSEMBLY
2	297565		KIT, Bushing/Seal
3	299819		SEAL, Oil -(Plain Bearing)
5	211127		HEAD, Cylinder -(High Compression)
7	270383		GASKET, Cylinder Head -Included in Gasket Set-Part No. 297616
8	297261		BREATHER ASSEMBLY
9	27549		GASKET, Rocker Cover -Included in Gasket Set-Part No. 297616
10	93394		SCREW
11	67738		TUBE, Breather
12	270069		GASKET, Crankcase -(.015) Included in Gasket Set-Part No. 297616
12	270122		GASKET, Crankcase -(.005) Included in Gasket Set-Part No. 297616
12	270123		GASKET, Crankcase -(.009) Included in Gasket Set-Part No. 297616
13	93368		SCREW -(2 3/32)
14	93369		SCREW -(2-15/32)(Cylinder Head)
15	91084		PLUG, Oil Drain -(3/8)
16	260646		CRANKSHAFT
18	297587		SUMP, Engine
19	297604		KIT, Bushing/Seal
20	294167		SEAL, Oil -(Crankshaft- PTO Side)
21	66768		PLUG, Oil
22	93032		SCREW -(Fuel Tank) (Tank)
23A	297348		FLYWHEEL -Used Before Code Date 6308261
23	297229		FLYWHEEL -Used After Code Date 6308231
24	61760		KEY, Flywheel -(Breaker Ignition)
25	298168		PISTON ASSEMBLY -(Standard)
25	298169		PISTON ASSEMBLY -(.010 Oversize)
25	298170		PISTON ASSEMBLY -(.020 Oversize)
25	298171		PISTON ASSEMBLY -(.030 Oversize)
26	297575		SET, Ring -Used Before Code Date 6306171
26	297576		SET, Ring -(.010 Oversize) -Used Before Code Date 6306171
26	297577		SET, Ring -(.020 Oversize) -Used Before Code Date 6306171

Footnotes:

Cables used after this Code number are integral with the ignition coil

If longer rope is needed-order No. 66684 (used after Code No. 6507211) or No. 66514 and cut to required length



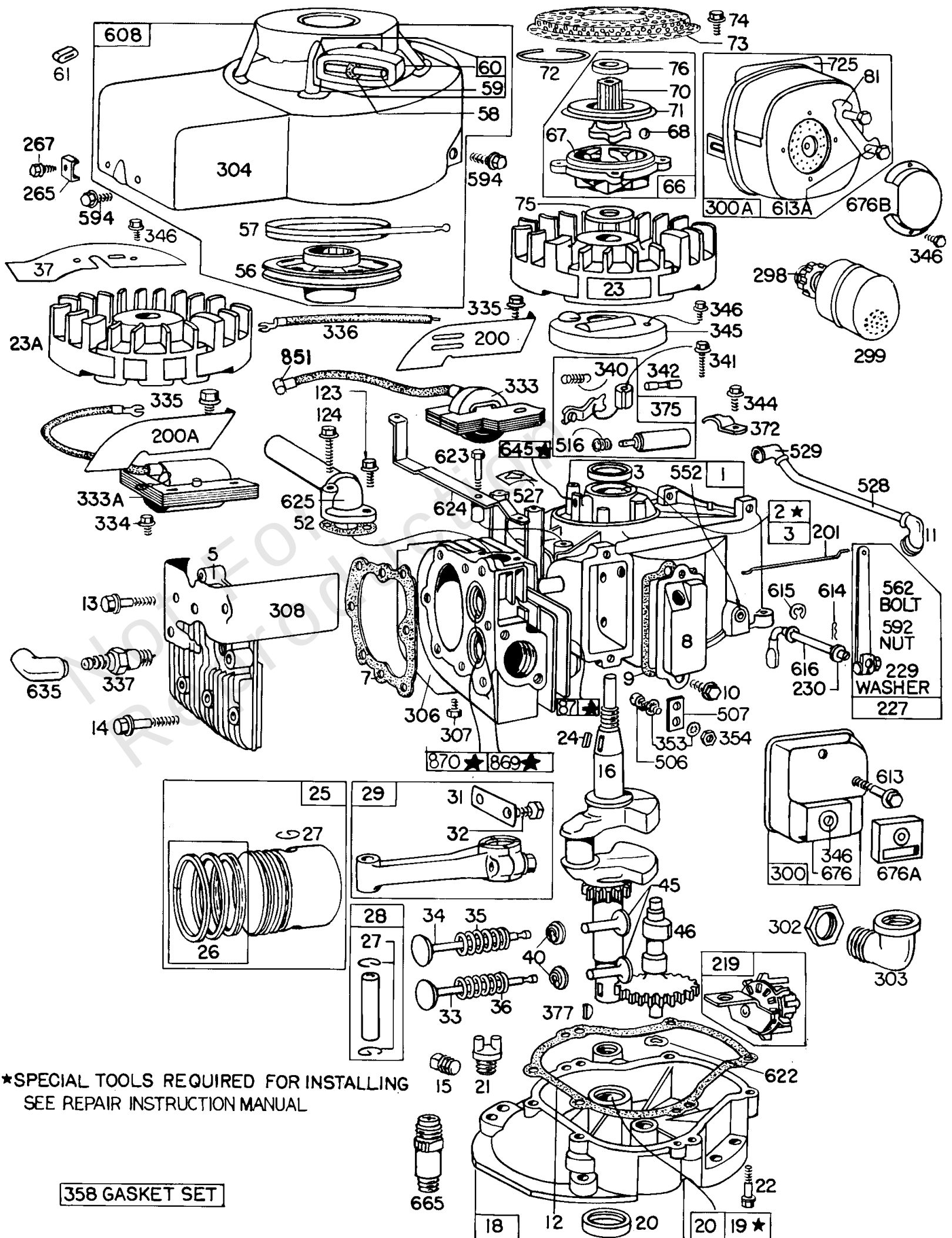
Complete Engine Assembly

REF NO	PART NO	QTY	DESCRIPTION
26	297578		SET, Ring -(.030 Oversize) -Used Before Code Date 6306171
26	298174		SET, Ring -Used After Code Date 6306141
26	298175		SET, Ring -(.010 Oversize) -Used After Code Date 6306141
26	298176		SET, Ring -(.020 Oversize) -Used After Code Date 6306141
26	298177		SET, Ring -(.030 Oversize) -Used After Code Date 6306141
26	298744		SET, Ring -Used After Code Date 6306141
27	260645		LOCK, Piston Pin
28	297581		PIN, Piston -(Standard)
28	297582		PIN, Piston -(.005 Oversize)
29	297568		ROD, Connecting -For Connecting Rod with .020 undersize Crankpin Bore-order No. 298786
31	221451		LOCK, Rod Screw -Used Before Code Date 6503241
31	221741		LOCK, Rod Screw -Used After Code Date 6503231
32	91162		SCREW -(5/16-18 X 1-1/2) -Used Before Code Date 6503241
32	93450		SCREW -(Connecting Rod) -Used After Code Date 6503231
33	211119		VALVE, Exhaust
34	260961		VALVE, Intake -Used Before Code Date 6911211
34	261044		VALVE, Intake -Used After Code Date 6911201
35	260552		SPRING, Valve -(Exhaust)
36	26478		SPRING, Valve -(Exhaust)
37	222443		GUARD, Flywheel
40	93312		RETAINER, Valve -(Valves With Groove In Stem)
45	260642		TAPPET, Valve
46	211117		CAMSHAFT
52	270070		GASKET, Intake -Included in Gasket Set-Part No. 297616
56	280117		PULLEY, Rope Starter -Used After Code Date 6507211
56	294088		PULLEY, Starter -Used Before Code Date 6507221
57	294303		SPRING, Rewind Starter
58	294584		ROPE, Starter -(47-1/8) -Used Before Code Date 6507221

Footnotes:

Cables used after this Code number are integral with the ignition coil

If longer rope is needed-order No. 66684 (used after Code No. 6507211) or No. 66514 and cut to required length



★SPECIAL TOOLS REQUIRED FOR INSTALLING
SEE REPAIR INSTRUCTION MANUAL

358 GASKET SET

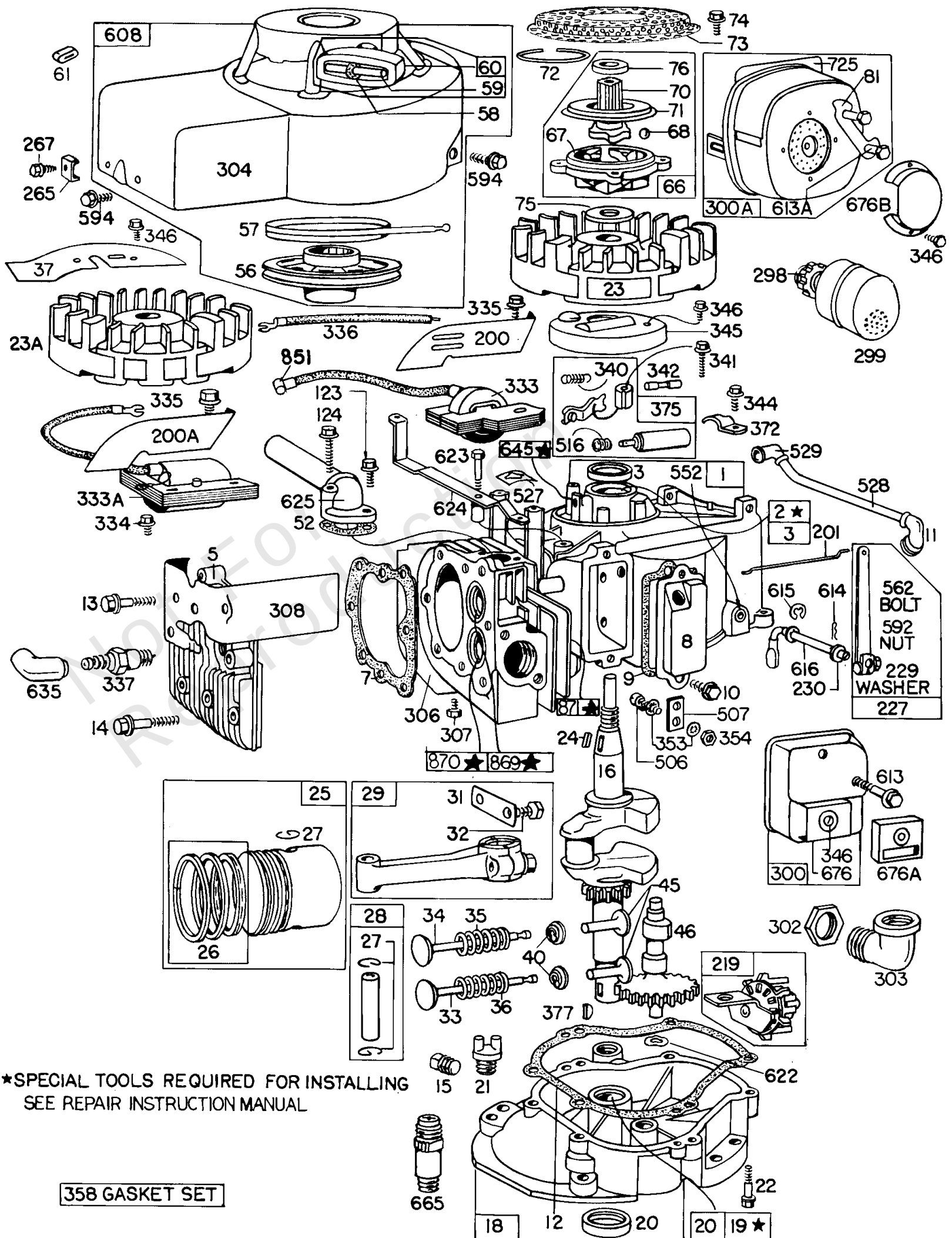
Complete Engine Assembly

REF NO	PART NO	QTY	DESCRIPTION
58	66694		ROPE, Starter -(47-1/8) -Used After Code Date 6507211
59	230228		PIN, Starter Grip
60	66728		GRIP, Starter Rope
61	68618		BUMPER, Starter Pulley -(Used with Steel Pulley only)
66	221653		WASHER -Used Before Code Date 6405250
66	298310		CLUTCH, Starter -(Rewind Starter) -Used After Code Date 6405220
66	298798		CLUTCH, Starter -(Rewind Starter) Uses: 212132 Housing-Starter Clutch 66718 Washer-Thrust 298799 Ratchet
67	210400		HOUSING, Clutch -Used Before Code Date 6405250
67	212131		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	221301		WASHER -Used Before Code Date 6405250
71	221653		WASHER -Used After Code Date 6405220
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
81	222263		LOCK, Muffler Screw -(3/8 Diameter Bolt Holes)
123	93512		SCREW -(53/64)
124	93367		SCREW -(1-1/8) (1 1/8)
200A	221508		GUIDE, Air -Used Before Code Date 6308261
200	221480		GUIDE, Air -Used After Code Date 6308231
201	260649		LINK, Mechanical Governor
219	297249		SLINGER, Governor/Oil
227	297583		LEVER, Governor Control -(3/16 Diameter) -Used Before Code Date 75102906

Footnotes:

Cables used after this Code number are integral with the ignition coil

If longer rope is needed-order No. 66684 (used after Code No. 6507211) or No. 66514 and cut to required length

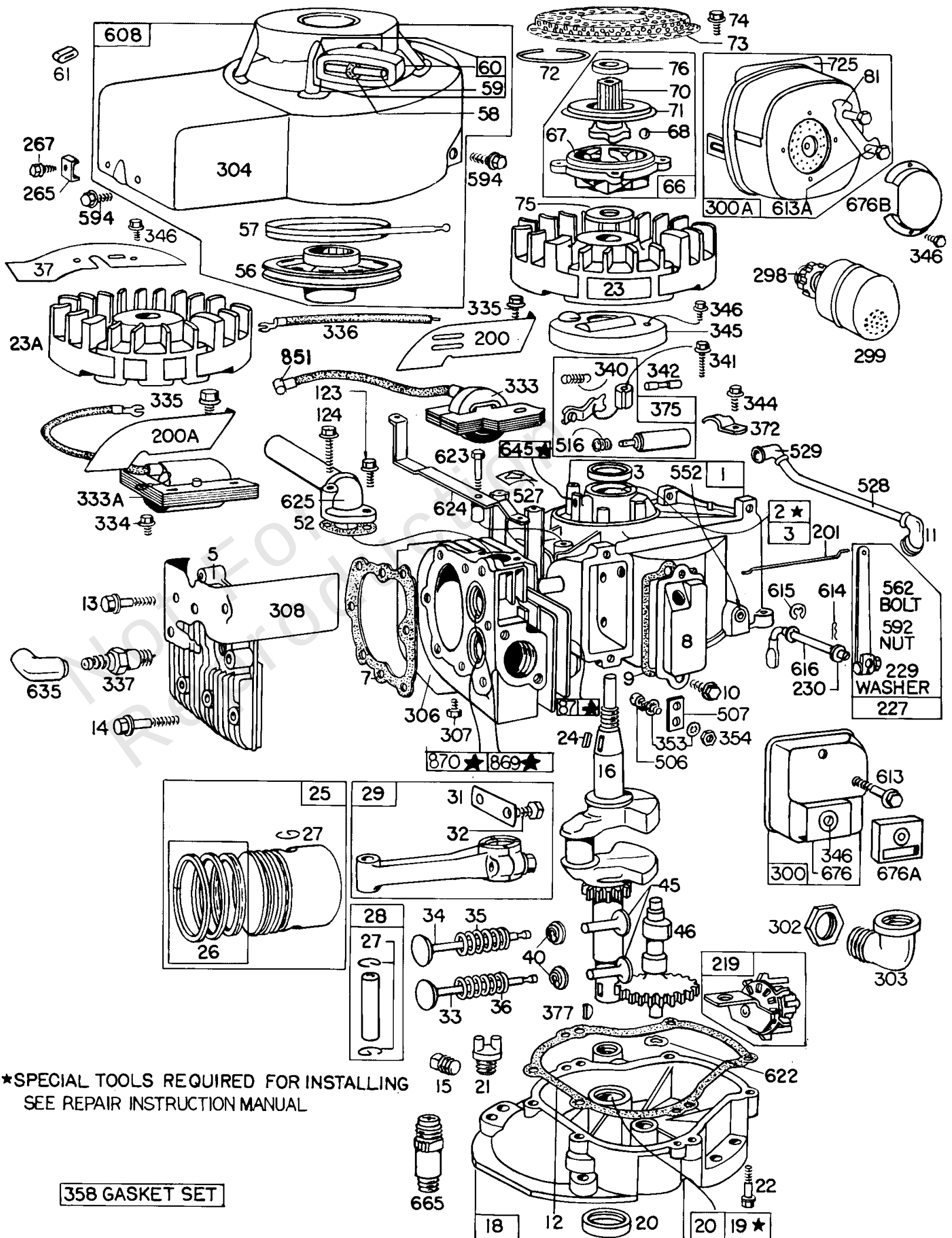


Complete Engine Assembly

REF NO	PART NO	QTY	DESCRIPTION
227	391967		LEVER, Governor Control -(1/4 Diameter) -Used After Code Date 75102806
229	220680		WASHER
230	221559		WASHER -(3/16 I.D.)
230	222450		WASHER
265	22372		CLAMP, Casing -For clamp mounted with cylinder head screw-order No. 221534
267	93469		SCREW
298	220859		LOCKNUT -(Muffler and Elbow)
299	392811		MUFFLER -(Lo Tone)
300A	391313		MUFFLER
300	297274		DEFLECTOR, Muffler
302	261409		LOCKNUT -(Muffler and Elbow)
303	91464		ELBOW, Exhaust -(90 Degree Street)
304	297631		HOUSING, Blower -(Rewind Starter)
306	221484		SHIELD, Cylinder
307	93042		SCREW
308	221452		COVER, Cylinder Head
333A	297594		ARMATURE, Magneto -Used Before Code Date 6308261
333	298316		ARMATURE, Magneto -(Points And Condenser) -Used After Code Date 6308231
334	93705		SCREW -(8-32 X 3/8)
335	93414		SCREW
336	297250		CABLE, Ignition -Used Before Code Date 6208220
337	293918		PLUG, Spark
337	29693		PLUG, Spark
337	298809		PLUG, Spark -Spark Plugs use Ignition Cable Terminal No. 221798
340	26018		SPRING, Breaker Arm
341	93381		SCREW
342	65704		PLUNGER, Breaker
344	93042		SCREW
345	220366		COVER, Breaker
346	93705		SCREW -(8-32 X 3/8)
353	92791		WASHER
354	90576		NUT -(Ground Terminal)
358	297616		GASKET SET, Engine
372	220477		CLAMP
375	294628		BREAKER, Ignition

Footnotes:

Cables used after this Code number are integral with the ignition coil
If longer rope is needed-order No. 66684 (used after Code No. 6507211) or No. 66514 and cut to required length

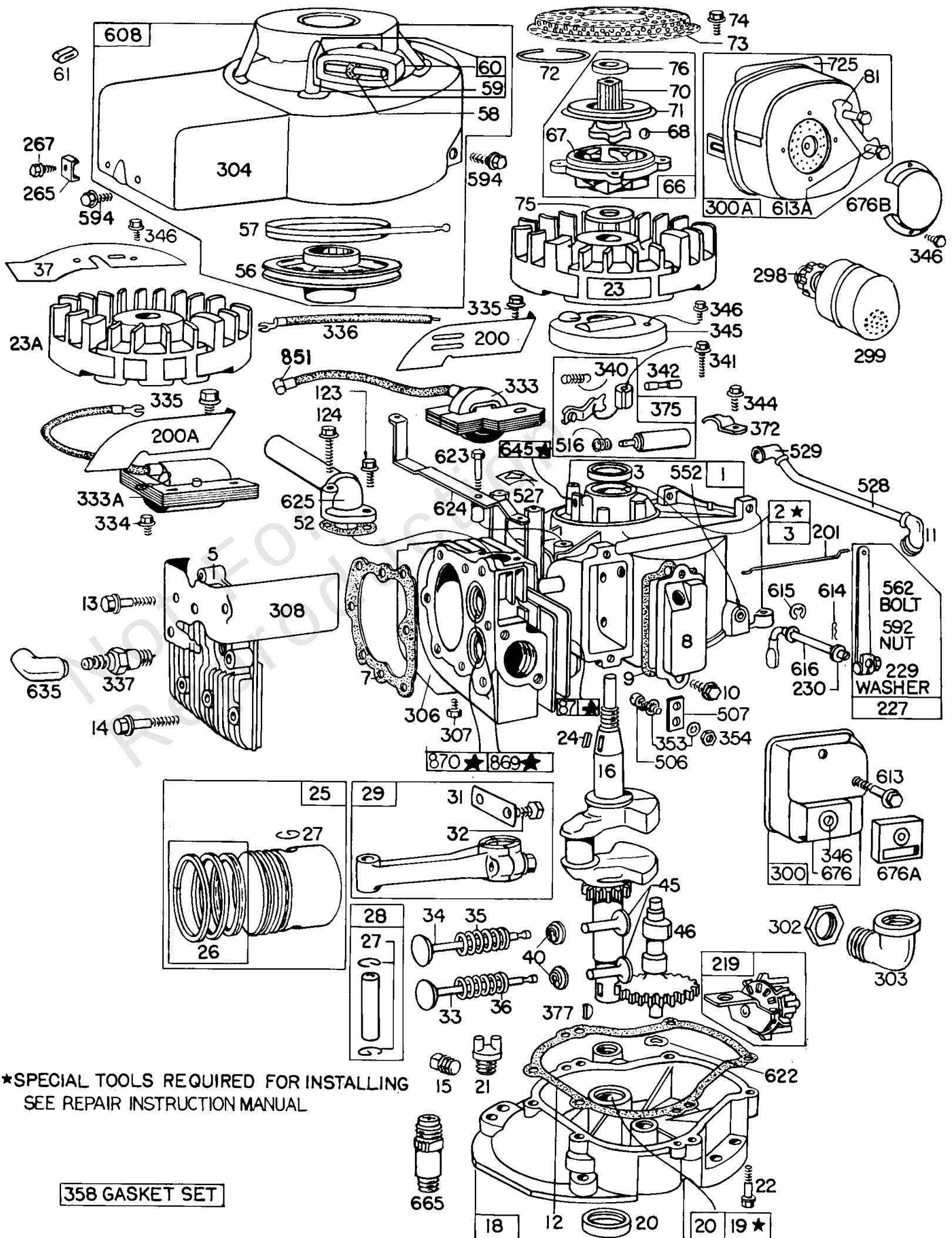


Complete Engine Assembly

REF NO	PART NO	QTY	DESCRIPTION
375	299061		BREAKER, Ignition -Includes: 294628 Point Set 65704 Plunger 61760 Key-Flywheel
377	93065		KEY, Woodruff -(#6)
506	90200		SCREW -(8-32 X 1/2)
507	66895		INSULATOR
516	260374		SPRING, Condensor
527	93376		CLAMP, Tube
528	230717		TUBE, Breather
529	67608		GROMMET -(Used with Pull Choke Carburetors)
552	230735		BUSHING, Governor Crank -(3/16 I.D.) -Used Before Code Date 75102906
552	231078		BUSHING, Governor Crank -(1/4 I.D.) -Used After Code Date 75102806
562	92613		BOLT -(Governor Lever)
592	231082		NUT -(Governor Control)
594	93559		SCREW -(Tank) (Fuel Tank)
608	297259		HOUSING, Blower -(10 O'clock)
613A	93704		SCREW -(Muffler)
613	93377		SCREW -(Muffler)
614	93306		PIN, Cotter
615	93307		RETAINER, Governor Shaft
616	230714		CRANK, Governor -(3/16 Diameter) -Used Before Code Date 75102906
616	231076		CRANK, Governor -(1/4 Diameter) -Used After Code Date 75102806
622	260676		WASHER -(Spring)
623	93838		SCREW -(6-32)
624	297252		LEVER, Linkage
625	297254		MANIFOLD, Intake
635	66538		BOOT, Spark Plug
645	23513		BUSHING, Plunger -(Used only with Breaker Point Ignition)
665	296768		MINDER, Oil
676B	222292		DEFLECTOR, Muffler -(Side Outlet)
676A	221527		DEFLECTOR, Muffler -(Direct Outlet)
676	221488		DEFLECTOR, Muffler -(Side Outlet)
725	221885		SHIELD, Heat

Footnotes:

Cables used after this Code number are integral with the ignition coil
If longer rope is needed-order No. 66684 (used after Code No. 6507211) or No. 66514 and cut to required length



Complete Engine Assembly

REF NO	PART NO	QTY	DESCRIPTION
851	221798		TERMINAL, Spark Plug
869	211158		SEAT, Valve -(Intake)
870	211172		SEAT, Valve -(Intake)
871	63709		BUSHING, Valve Guide -(Intake)

Not For
Reproduction

Footnotes:

Cables used after this Code number are integral with the ignition coil

If longer rope is needed-order No. 66684 (used after Code No. 6507211) or No. 66514 and cut to required length

Replacement Engine - US & Canada

REF NO	PART NO	QTY	DESCRIPTION
	-----		No engine replacement. Repair engine with individual parts.
	-----		Top No-Load Speed: 4000 -Trim: ALL

Not For Reproduction

