

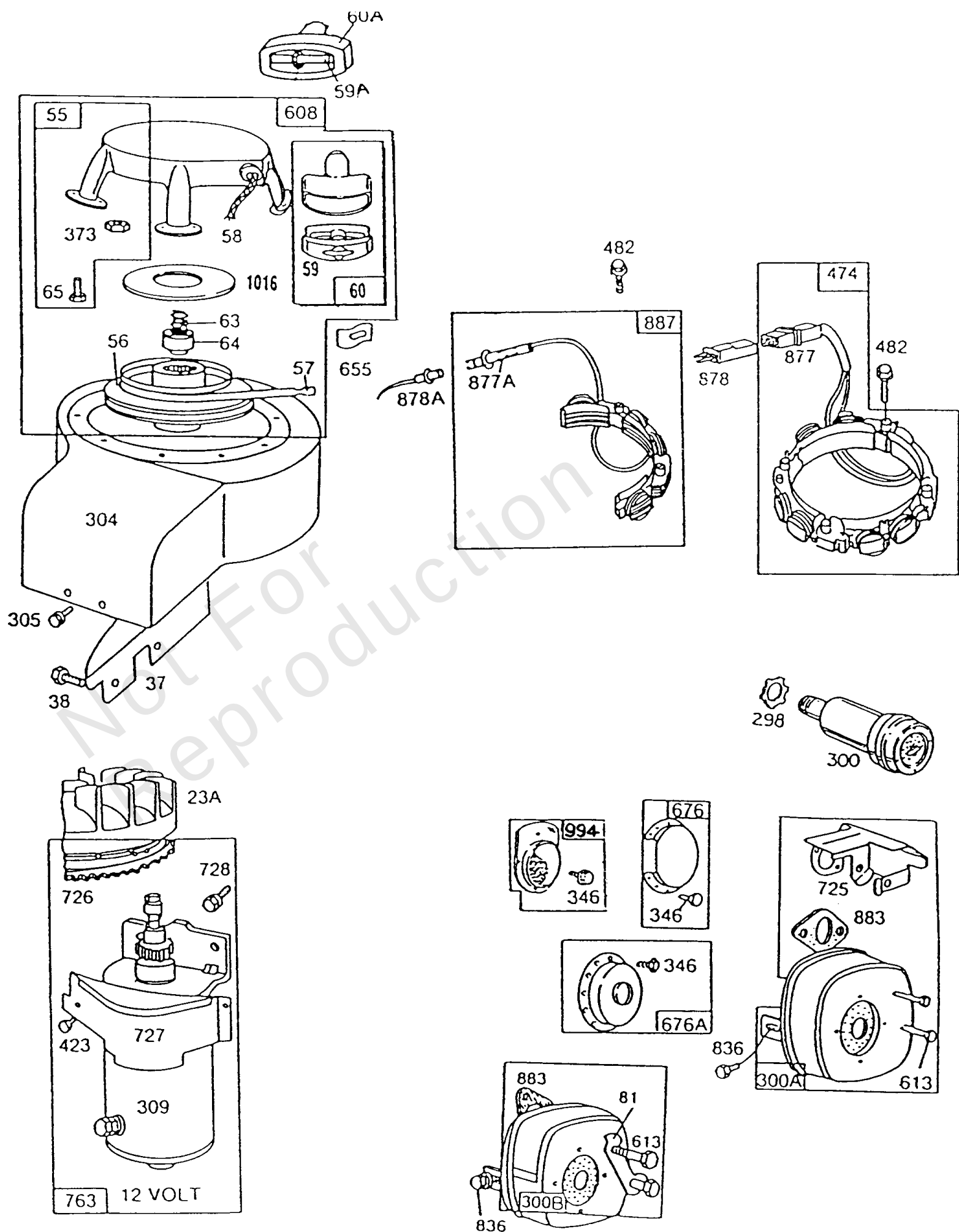


Parts Manual

Mfg. No: 170707-5725-01

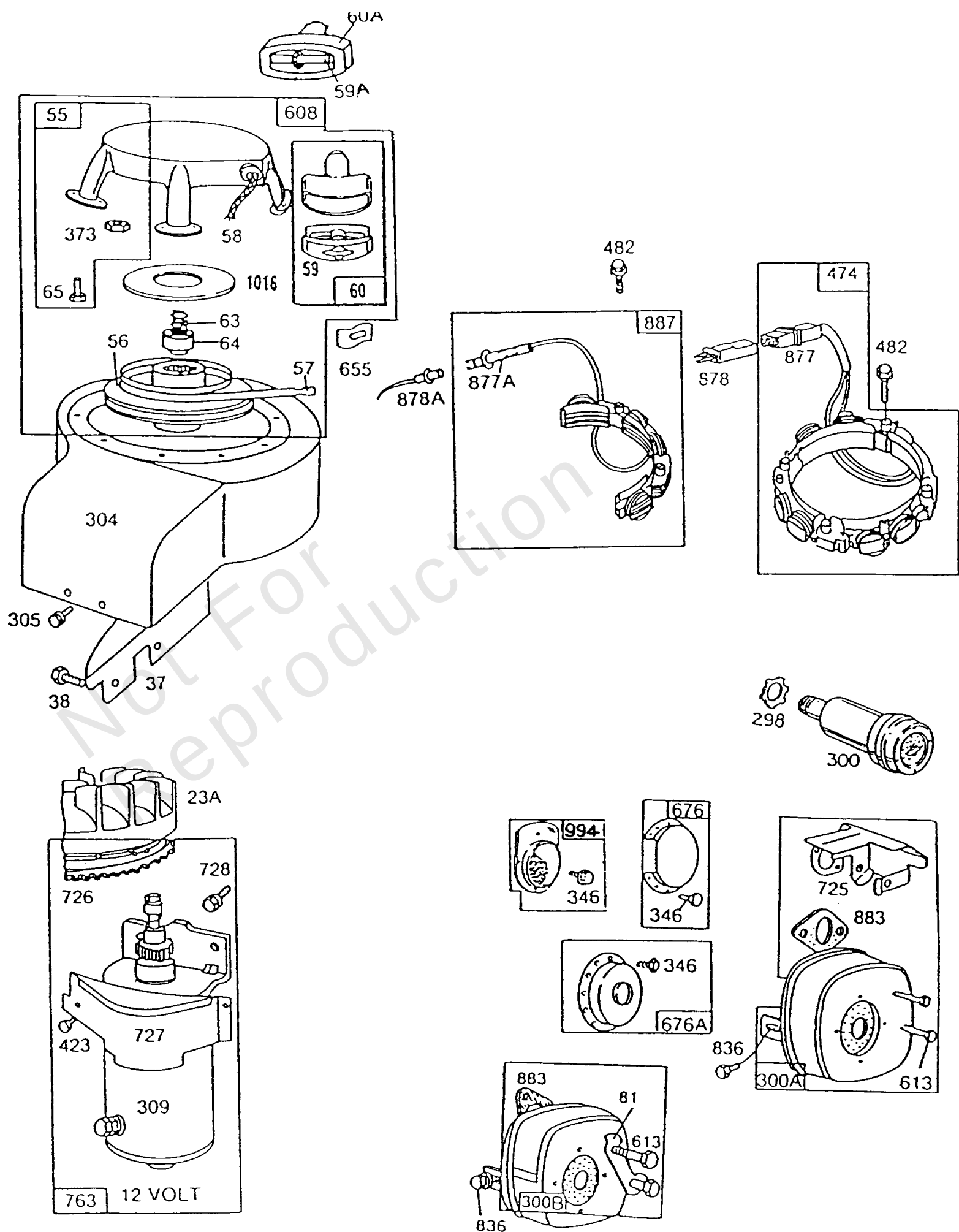
Model Components	Page
Blower Hsg,Rewind,Muffler.	4
Carburetor, Fuel Tank Assy.	8
Cyl, Sump, Piston,Oil Fill.	14
Electric Starter and Chart.	22
Replacement Engine - US & Canada.....	24

Not For
Reproduction



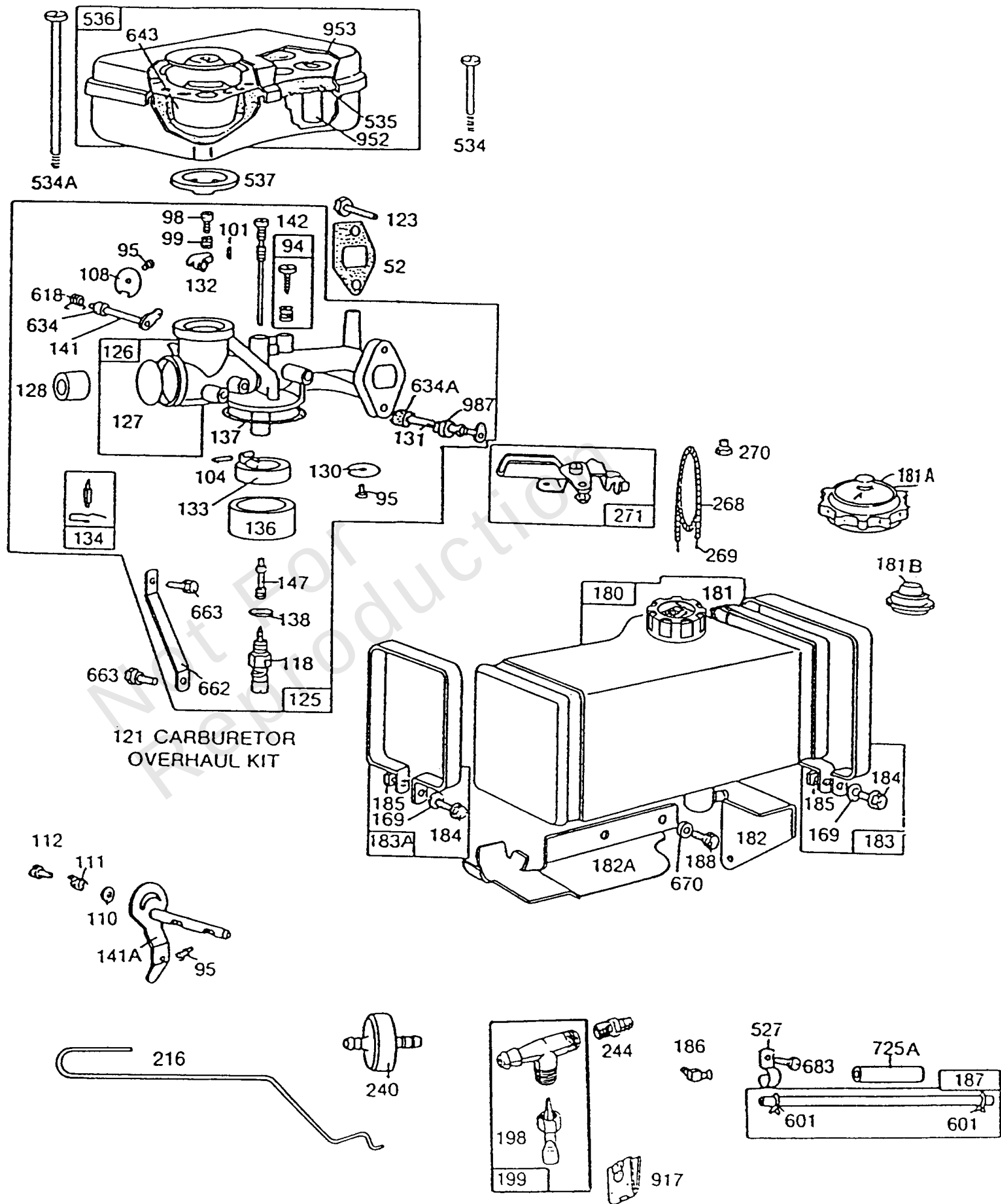
Blower Hsg,Rewind,Muffler

REF NO	PART NO	QTY	DESCRIPTION
23A	391983		FLYWHEEL -(Engines With Alternator) For Use on Engines WITH ALTERNATOR. (Includes Aluminum Ring Gear.) For Use Only With Starter Motors With Plastic Drive Gear.
23A	392034		FLYWHEEL -(Aluminum Ring Gear) For Use only on Electric Starter Engines WITHOUT ALTERNATOR (Includes Aluminum Ring Gear.) For Use Only With Starter Motors With Plastic Drive Gear.
37	222475		GUARD, Flywheel
38	93777		SCREW
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	490179		SPRING-REWIND STR
58	66884		ROPE, Starter -(Cut To Required Length) For Use With Plastic Pulley; if Longer Rope is Needed, Order No. 66894 and Cut to Required Length.
59A	230228		PIN, Starter Grip
59	490653		INSERT, Grip
60A	66728		GRIP, Starter Rope
60	490652		GRIP-STARTER ROPE
63	260414		SPRING, Ratchet
64	230543		ADAPTER, Ratchet Spring
65	93105		SCREW
81	222263		LOCK, Muffler Screw -(3/8 Diameter Bolt Holes)
298	261409		LOCKNUT -(Muffler and Elbow)
300B	391313		MUFFLER
300A	398507		MUFFLER
300	393010		MUFFLER -(Round Lo Tone)
304	491408		HOUSING, Blower
305	93158		SCREW -(1/4-20 X 5/8)
309	394805		MOTOR, Starter -(3 1/16 Housing)
346	93705		SCREW -(8-32 X 3/8)
373	92987		STARTER, Rewind
423	94625		SCREW
474	393474		ALTERNATOR -(Dual Circuit)
482	93621		SCREW -(Tapping)
608	390391		STARTER, Rewind
613	94042		SCREW -(Muffler)
655	222598		ANCHOR, Rewind Spring -(Stamped Rewind Housing)
676A	395700		DEFLECTOR, Muffler -(Direct Outlet)
676	393757		DEFLECTOR, Muffler -(Side Outlet)
725	223540		SHIELD, Heat
726	392134		GEAR, Ring -(Includes Mtg. Parts)
727	395405		COVER, Starter Drive



Blower Hsg,Rewind,Muffler

REF NO	PART NO	QTY	DESCRIPTION
728	93523		SCREW -(5/16-18 X 11/16)
763	394952		KIT, Electric Starter -(12 Volt Gear Drive)
836	93559		SCREW -(Tank) (Fuel Tank)
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)
883	270918		GASKET, Exhaust
887	391529		ALTERNATOR -(DC Only)
994	399541		ARRESTOR, Spark
1016	490817		SPACER-REWIND -(Rewind)



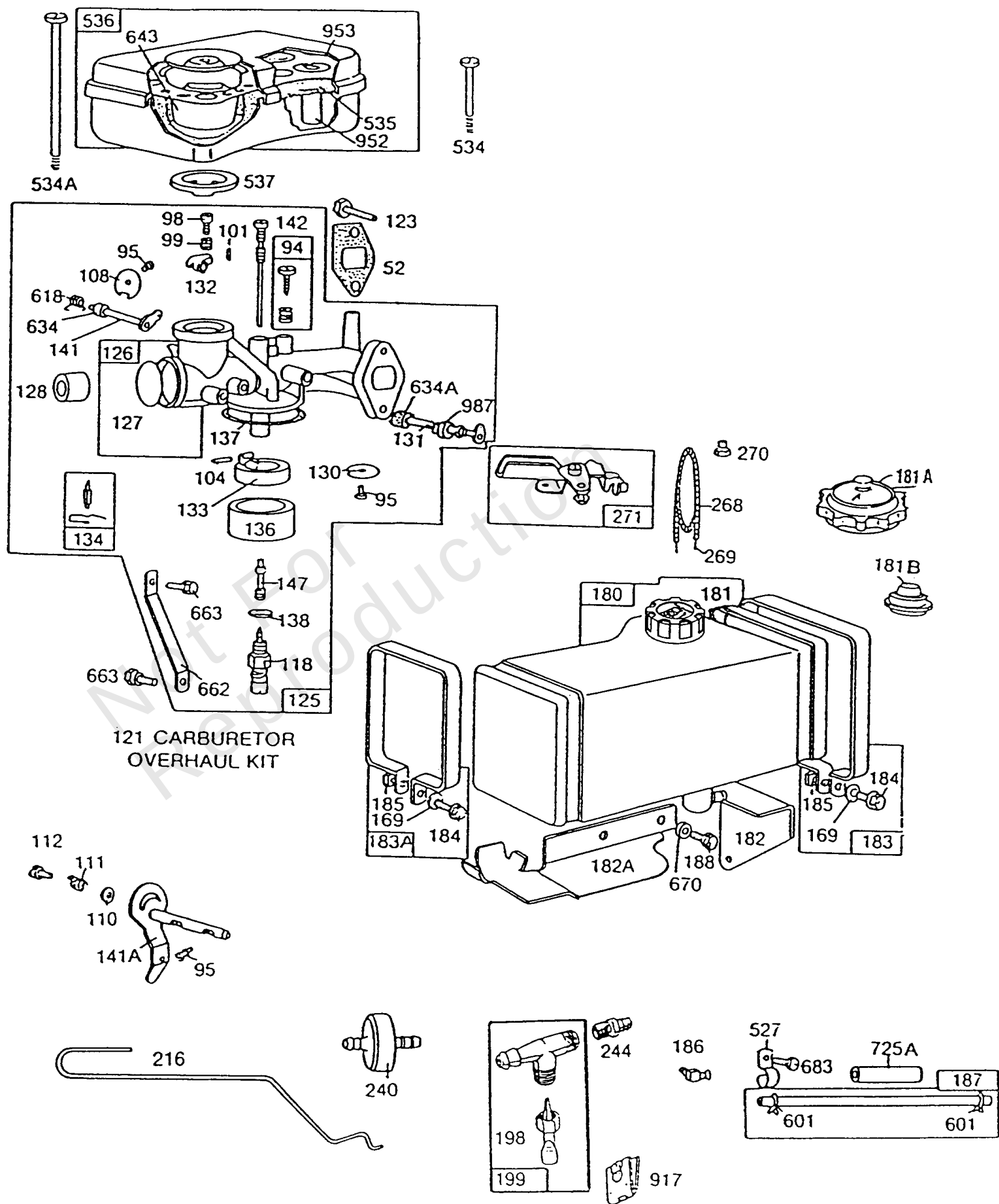
Carburetor, Fuel Tank Assy

REF NO	PART NO	QTY	DESCRIPTION
52	270824		GASKET, Intake -Included in Gasket Set-Part No. 299577
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
110	220899		WASHER -(Choke Lever)
111	26229		SPRING, Choke Return
112	23270		SCREW -(Choke Lever)
118	396568		VALVE, Float Needle -Used After Code Date 83051900
118	396795		VALVE, Float Needle -Used Before Code Date 83052000
121	394698		KIT, Carburetor Overhaul
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	491006		KIT, Throttle Shaft
132	211712		STOP, Throttle
133	299707		FLOAT, Carburetor
134	394681		KIT, Needle/Seat -(Gravity Feed) Included in Carburetor Overhaul Kit-Part No. 394698. Order 394683 For Fuel Pump Applications
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
141A	299647		SHAFT, Choke
141	390684		SHAFT, Choke -(Choke-A-Matic)
142	299740		NOZZLE, Carburetor -Included in Carburetor Overhaul Kit-Part No. 394698
147	230932		SCREW -(Nozzle) -Used Before Code Date 83052000
147	231323		SCREW -(Nozzle) -Used After Code Date 83051900
169	90832		SCREW -(Blower Housing)

Footnotes:

Included in Carburetor Overhaul Kit-Part No. 394698

Included in Carburetor Overhaul Kit-Part No. 394698. Includes: 22235 Washer 26336 Spring 65978 O-Ring 230590 Nut-Hex.



Carburetor, Fuel Tank Assy

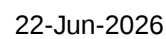
REF NO	PART NO	QTY	DESCRIPTION
180	390225		TANK, Fuel -(3 Quart) (Plastic) See Ref. 304 For Fuel Tank on Blower Housing.
181A	397975		CAP, Fuel Tank -(Plastic) (2 1/4 I.D.) -Used After Code Date 85113100
181B	392300		CAP, Fuel Tank -(Metal) (1 9/16 I.D.) -Used Before Code Date 85120100
181	493988		CAP, Fuel Tank -(Plastic)
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)
187	393815		HOSE, Vacuum -(Cylinder To Impulse Pump)(Cut To Required Length)
188	93535		SCREW -(5/16-18 X 3/4)
198	293934		VALVE, Fuel Shut Off
199	399949		OUTLET, Tank
216	261117		LINK, Choke -Used Before Code Date 82120910
216	261612		LINK, Choke -Used After Code Date 82121010
240	298090		FILTER, Fuel
240	394358		FILTER, Fuel -(Fuel Pump)
244	230318		CONNECTOR, Hose
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)
271	290568		LEVER, Control
527	221428		CLAMP, Tube
534A	93623		SCREW -(Flywheel Guard)
534	93322		SCREW -(1 15/16)
535	270528		FILTER, A/C Cartridge
536	391399		CLEANER, Air -Uses: 280111 Support-Air Cleaner Element (Plastic)
537	270539		GASKET, Air Cleaner -(Air Cleaner)

Footnotes:

Included in Carburetor Overhaul Kit-Part No. 394698

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Mfg. No: 170707-5725-01



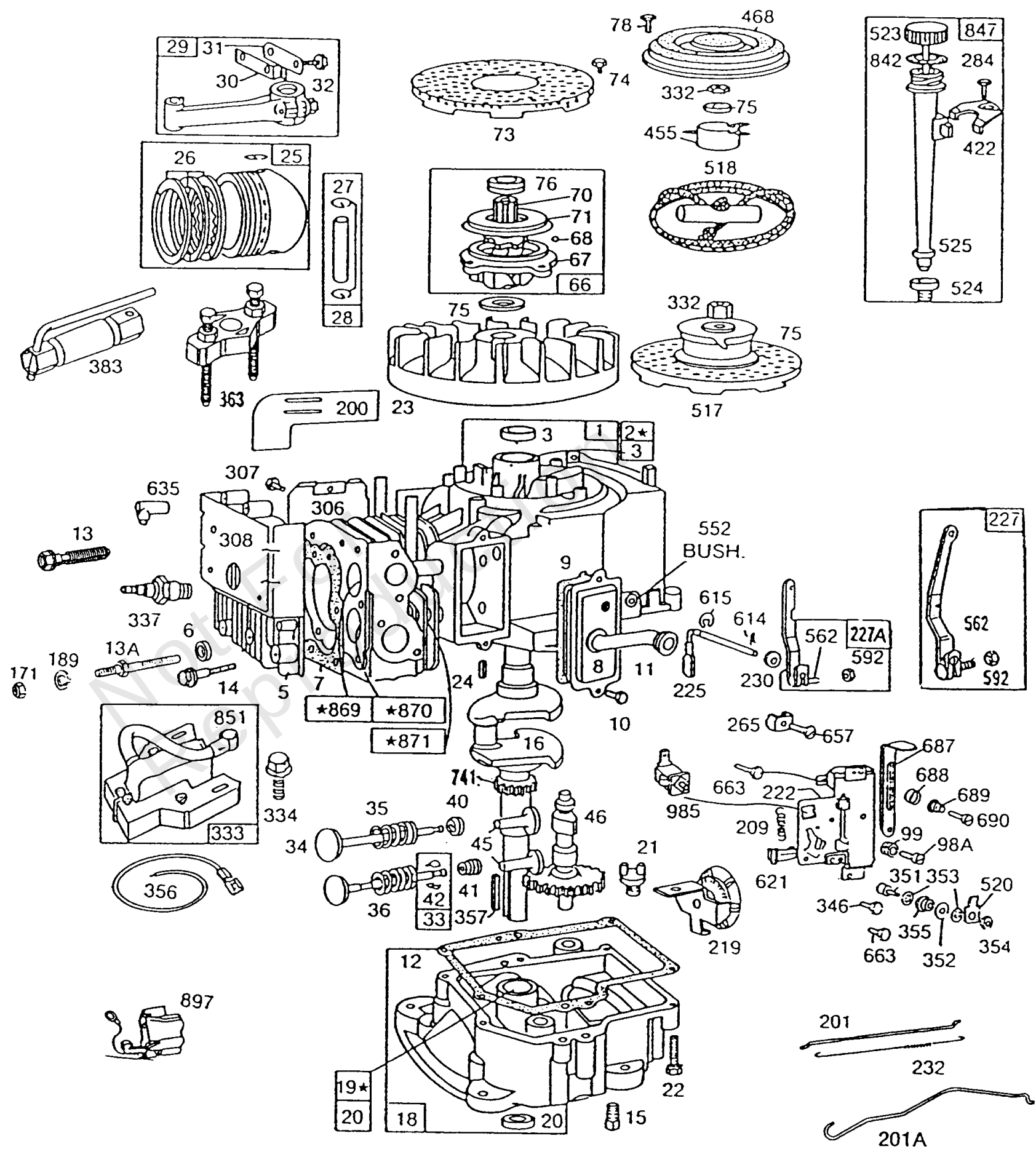
Carburetor, Fuel Tank Assy

REF NO	PART NO	QTY	DESCRIPTION
601	93053		CLAMP, Hose -(Green)
618	261116		SPRING, Choke Return
634A	271853		WASHER -(Foam)
634A	271013		WASHER, Sealing -(Foam)
634	270382		WASHER -(Foam)
643	222149		CUP, Air Cleaner
662	222027		BRACKET, Support
663	93572		SCREW -(10-32 X 3/8)
670	22963		WASHER
683	93572		SCREW -(10-32 X 3/8)
725A	222175		SHIELD, Heat
917	223271		VALVE, Handle Shutoff
952	222495		SPACER, Air Cleaner
953	222022		SCREEN, Air Cleaner
987	398970		SEAL, Throttle Shaft -(Lmt 46, 49, 50, 51, 53, 86)

Footnotes:

Included in Carburetor Overhaul Kit-Part No. 394698

Included in Carburetor Overhaul Kit-Part No. 394698. Includes: 22235 Washer 26336 Spring 65978 O-Ring 230590 Nut-Hex.



358 GASKET SET

★ REQUIRES SPECIAL TOOLS TO INSTALL.
SEE REPAIR INSTRUCTION MANUAL.

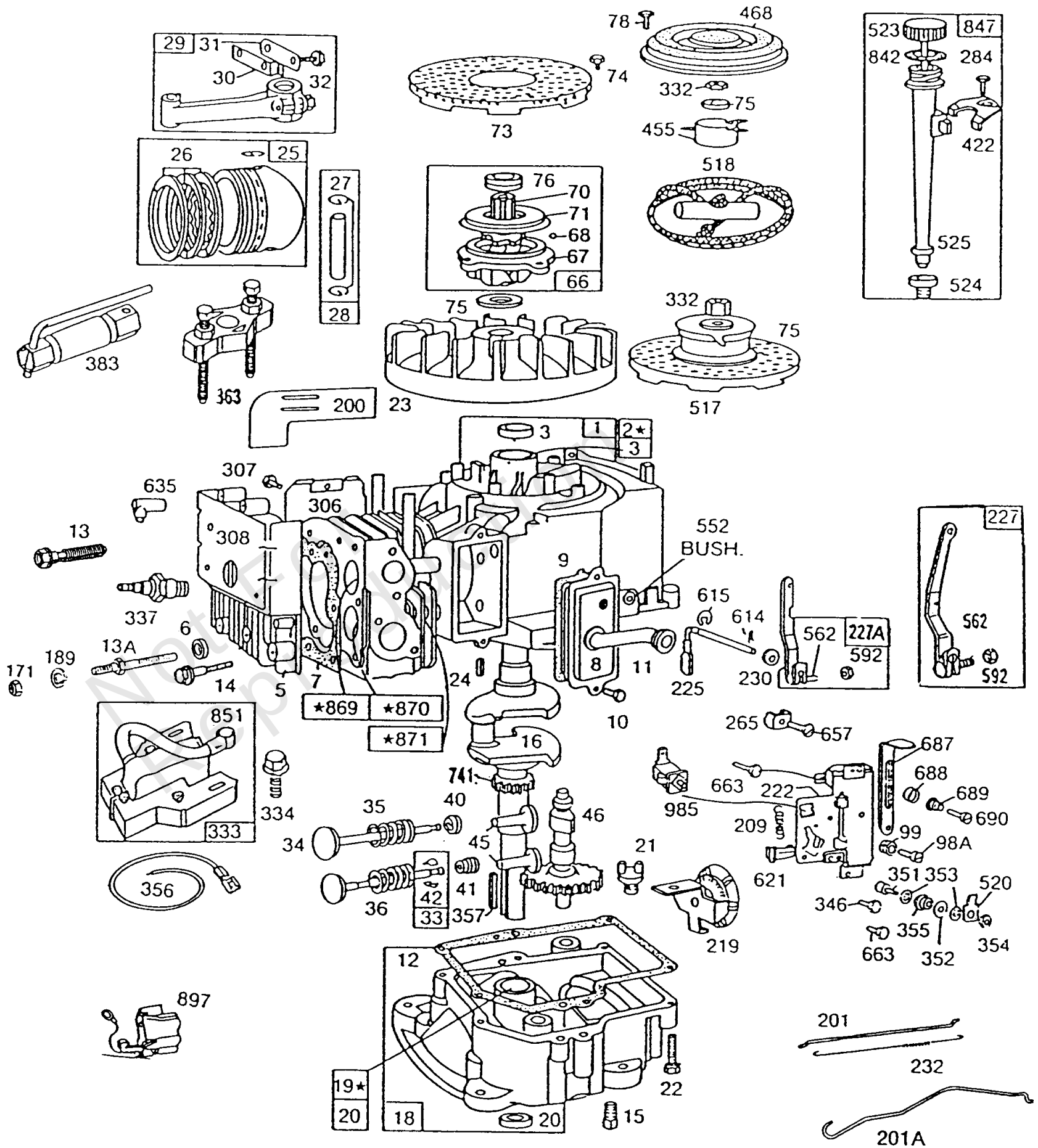
1019 LABEL KIT

Cyl, Sump, Piston, Oil Fill

REF NO	PART NO	QTY	DESCRIPTION
1	396213		CYLINDER ASSEMBLY
2	295962		KIT, Bushing/Seal
3	294606		SEAL, Oil
5	212285		HEAD, Cylinder
6	22963		WASHER
7	270430		GASKET, Cylinder Head -Included in Gasket Set-Part No. 299577
8	391406		BREATHER ASSEMBLY
9	27803		GASKET, Rocker Cover -Included in Gasket Set-Part No. 299577
10	94621		SCREW -(Breather Assembly)
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
13A	93776		STUD -(Cylinder Head)
13	93211		SCREW -(5/16-18 X 2-21/32)
14	93723		SCREW -(3)
14	93781		STUD -(3 15/16)
15	91084		PLUG, Oil Drain -(3/8)
15	93448		PLUG, Oil Drain -(Flush) (1/4-18 NPTF) (Flush) (1/4 18 NPTF)
16	492476		CRANKSHAFT -Order 94388 Key or 230978 Pin For Loose Timing Gear Retaining Device
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	222698		KEY, Flywheel
25	299566		PISTON ASSEMBLY -(.010 Oversize)
25	299567		PISTON ASSEMBLY -(.020 Oversize)
25	299568		PISTON ASSEMBLY -(.030 Oversize)
25	299573		PISTON ASSEMBLY -(Standard)
26	299743		SET, Ring -(.030 Oversize Chrome)
26	391669		SET, Ring -(Standard)

Footnotes:

Included in Carburetor Overhaul Kit-Part No. 394698



358 GASKET SET

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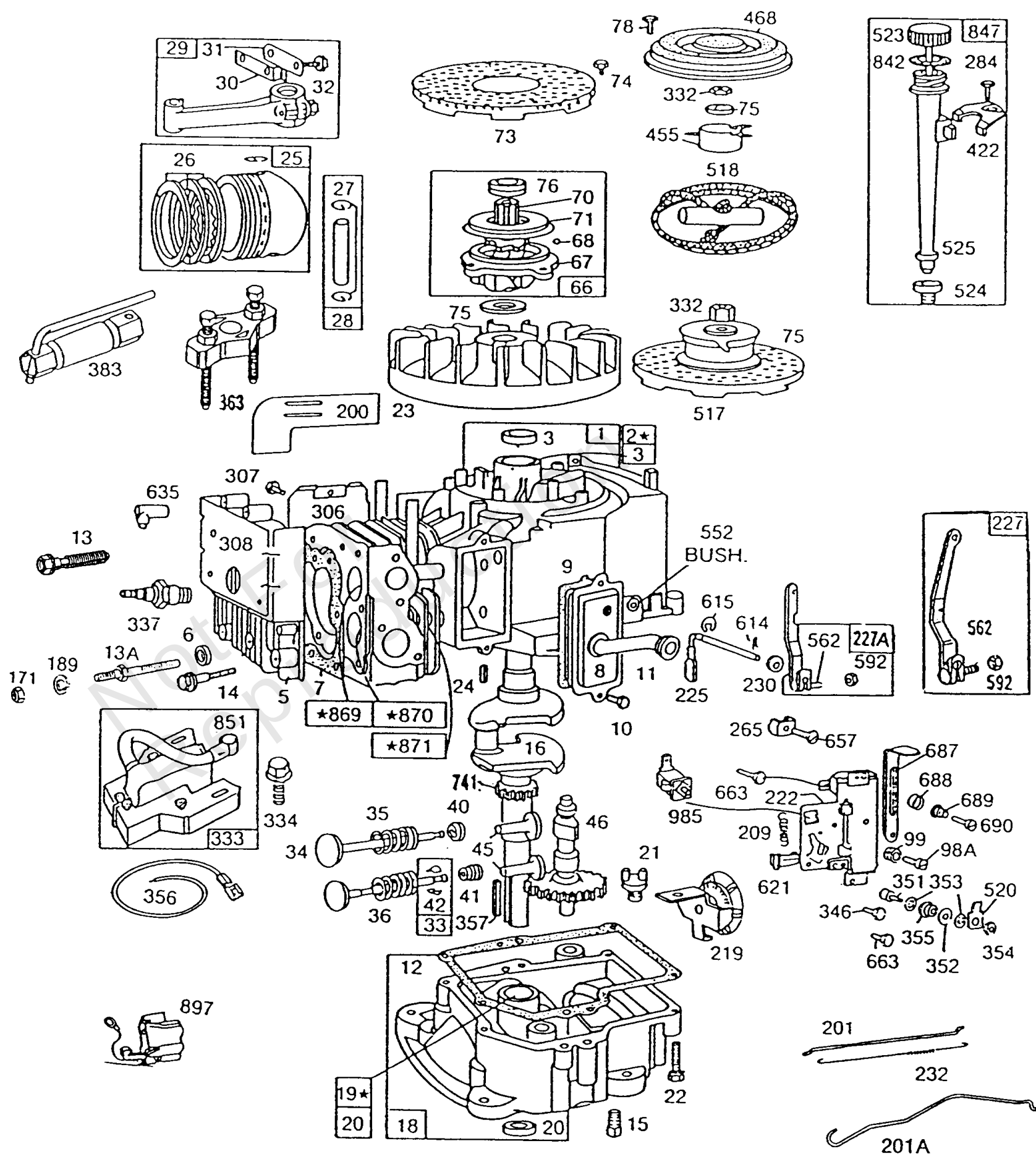
1019 LABEL KIT

Cyl, Sump, Piston,Oil Fill

REF NO	PART NO	QTY	DESCRIPTION
26	391670		SET, Ring -(.010 Oversize)
26	391671		SET, Ring -(.020 Oversize)
26	391672		SET, Ring -(.030 Oversize)
27	68546		LOCK, Piston Pin
28	295840		PIN, Piston -(Standard)
28	295841		PIN, Piston -(.005 Oversize)
29	295839		ROD, Connecting -For Connecting Rod With .020 Undersize Crankpin Bearing-Order No. 298788
30	221725		DIPPER, Connecting Rod
31	220811		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)
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
66	399671		CLUTCH-STARTER -(Uses Rubber Coated Retainer Washer-Ref. 71)
67	394897		HOUSING, Clutch
68	63770		BALL, Clutch
70	298799		RATCHET, Clutch -(engine W/Ring Gear on FW equipped for Elec Start)
71	394506		COVER, Ratchet -(Rubber Coated)
73	221796		SCREEN, Rotating
74	93758		SCREW -(Rotating Screen)
75	224061		WASHER -(5/8 Hole)
76	68238		SEAL, Ratchet
78	93805		SCREW
98A	90200		SCREW -(8-32 X 1/2)
99	26157		SPRING, Compression
171	94314		NUT
189	94315		WASHER
200	221760		GUIDE, Air
201A	262431		LINK, Choke

Footnotes:

Included in Carburetor Overhaul Kit-Part No. 394698



358 GASKET SET

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SEE REPAIR INSTRUCTION MANUAL.

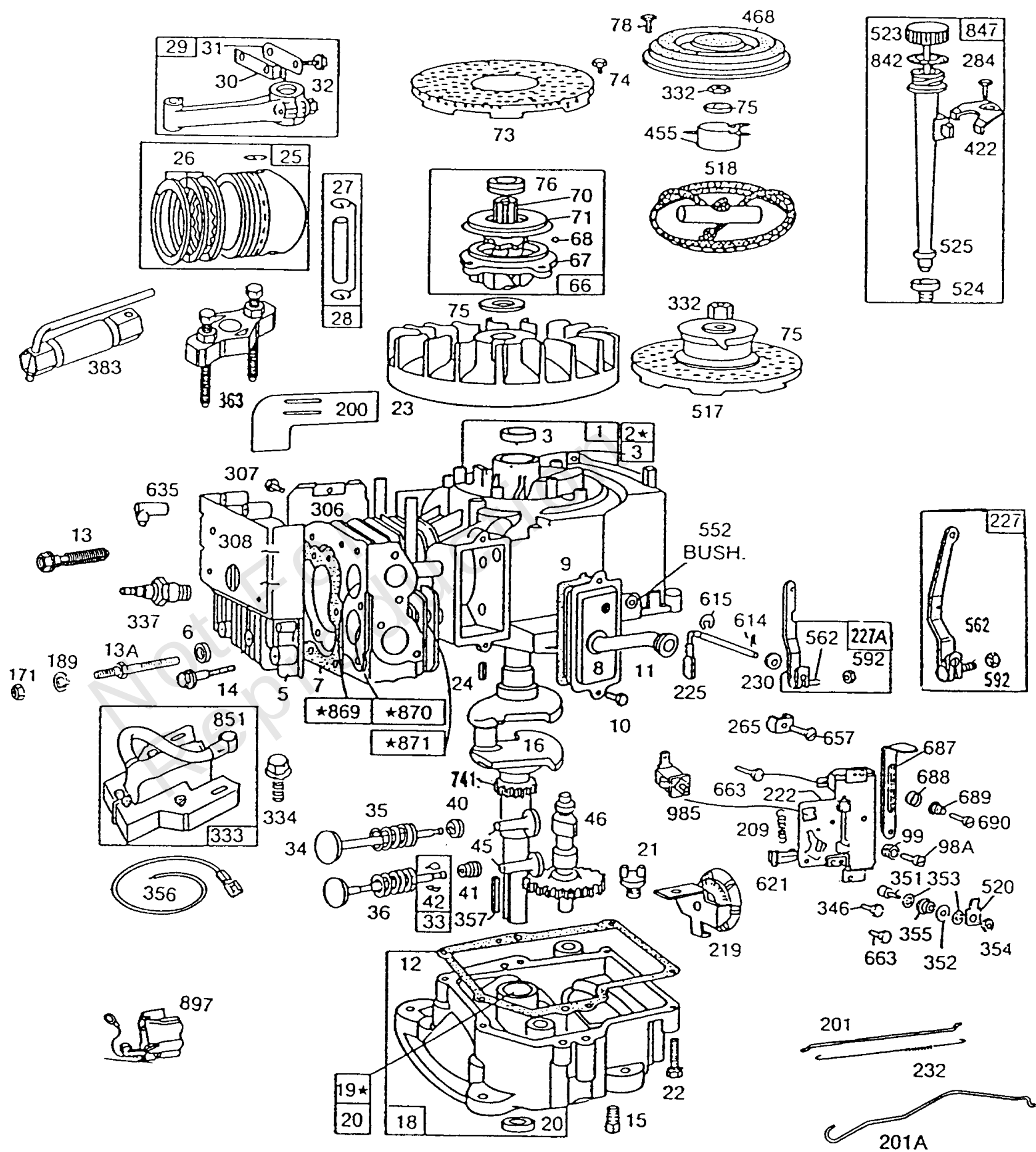
1019 LABEL KIT

Cyl, Sump, Piston, Oil Fill

REF NO	PART NO	QTY	DESCRIPTION
201	260971		LINK, Choke -Used Before Code Date 82120910
201	261611		LINK, Choke -Used After Code Date 82121010
209	261306		SPRING, Governor
219	491397		SLINGER, Governor/Oil
222	396349		BRACKET, Control -(Not Illustrated) -Used Before Code Date 82120910
222	491594		BRACKET, Control -(Choke-A-Matic) -Used After Code Date 82121010
225	231058		CRANK, Governor -(1/4 Diameter)
227A	391733		LEVER, Governor Control -(1/4 Diameter)
227	490927		LEVER, Governor Control -(1/4 Diameter)
230	222450		WASHER
232	260584		SPRING/LINK, Mechanical Governor -Used Before Code Date 82120910
232	261911		SPRING/LINK, Governor -Used After Code Date 82121010
265	221535		CLAMP, Casing -(Stamped Steel)
284	94419		SCREW
306	222830		SHIELD, Cylinder
307	93949		SCREW
308	222636		COVER, Cylinder Head
332	92284		NUT -(Flywheel)
333	398811		ARMATURE, Magneto -(Magnetron Ignition)
334	93381		SCREW
337	293918		PLUG, Spark
337	298809		PLUG, Spark
337	492167		PLUG, Spark
346	93705		SCREW -(8-32 X 3/8)
351	91920		SCREW -(8-32 X 5/8)
352	66068		WASHER -(Fiber)
353	92791		WASHER
354	90576		NUT -(Ground Terminal)
355	66554		WASHER -(Insulating)
356	398808		WIRE, Stop -(Cut To Required Length)
357	91540		KEY, Drive Pulley -(1/4)
358	299577		GASKET SET, Engine
363	19165		PULLER, Flywheel

Footnotes:

Included in Carburetor Overhaul Kit-Part No. 394698



358 GASKET SET

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SEE REPAIR INSTRUCTION MANUAL.

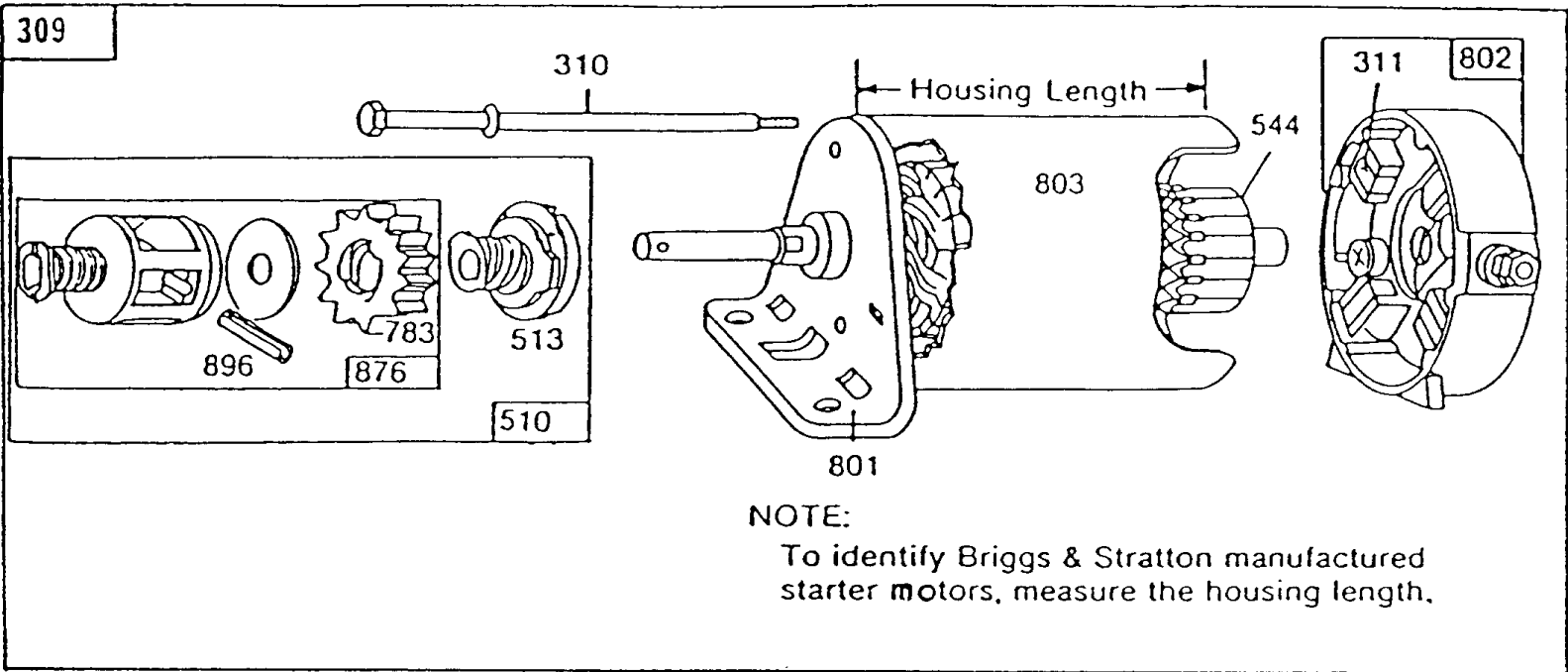
1019 LABEL KIT

Cyl, Sump, Piston, Oil Fill

REF NO	PART NO	QTY	DESCRIPTION
383	89838		WRENCH, Spark Plug
422	223394		CLAMP, Tube
455	222561		CUP, Flywheel
468	222562		SCREEN, Rotating
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	491986		BUSHING, Governor Crank -(1/4 I.D.)
562	92613		BOLT -(Governor Lever)
592	231082		NUT -(Governor Control)
614	93306		PIN, Cotter
615	93307		RETAINER, Governor Shaft
621	297472		SWITCH, Stop -Used Before Code Date 85041500
621	396847		SWITCH, Stop -Used After Code Date 85041400
635	66538		BOOT, Spark Plug
657	93496		SCREW -(10-32 X 5/8)
663	93572		SCREW -(10-32 X 3/8)
687	390690		SLIDE, Control
688	221766		SPRING, Friction
689	260847		SPRING, Friction
690	92484		SCREW
741	261195		GEAR, Timing -(Pin)
741	262479		GEAR, Timing -(Key)
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	231218		BUSHING, Valve Guide -(Intake)
871	261961		BUSHING, Valve Guide -(Exhaust)
897	394970		KIT, Magnetron Ignition
985	398525		INSULATOR
1019	491182		KIT, Label

Footnotes:

Included in Carburetor Overhaul Kit-Part No. 394698



Reference No.		309	310	311	510	544	801	802	803
Starter Motor Mfr.		Motor & Drive Ass'y.	Thru Boly Assembly	Brush Assembly	Drive Assembly	Armature Assembly	End Cap Ass'y. Drive	End Cap Ass'y. Commutator	Housing Assembly
Briggs & Stratton	Housing Length								
12V	3-21/32"	394805	94003	395538	490421**	390837	394856	395537*	398159
United Technologies	Housing Length								
12V	3-15/32"	394805	-	492020	490421**	-	394856	492021*	-

*Includes Brush Set

**Includes #398003 Clutch Assembly (Ref. No. 513)
#280104 Gear (Ref. No. 783)
#490467 Retainer Kit (Ref. No. 876)
94192(Black) or 94288(Yellow)Roll Pin (Ref. No. 896)

Electric Starter and Chart

REF NO	PART NO	QTY	DESCRIPTION
309	394805		MOTOR, Starter -(3 1/16 Housing)
310	94003		SCREW -(3 5/8 Housing)
311	395538		SET, Brush -(3-5/8 or 4 3/8 Housing)
311	492020		SET, Brush -(3 15/32 Housing)
510	490421		DRIVE, Starter -Includes #398003 Clutch Assembly (Ref. No. 513) #280104 Gear (Ref. No. 783) #490467 Retainer Kit (Ref. No. 876) #94192 (Black) or 94288 (Yellow) Roll Pin (Ref. No. 896) (3-21/32 or 4 9/16 Housing)
544	390837		ARMATURE, Starter -(3 5/8 Housing)
801	394856		CAP, Drive
802	395537		CAP, End -(3 5/8 Housing) Includes Brush Set
802	492021		CAP, End -(3 15/32 Housing) Includes Brush Set
803	398159		HOUSING, Starter -(3 5/8 Housing)

Replacement Engine - US & Canada

REF NO	PART NO	QTY	DESCRIPTION
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Not For Reproduction

