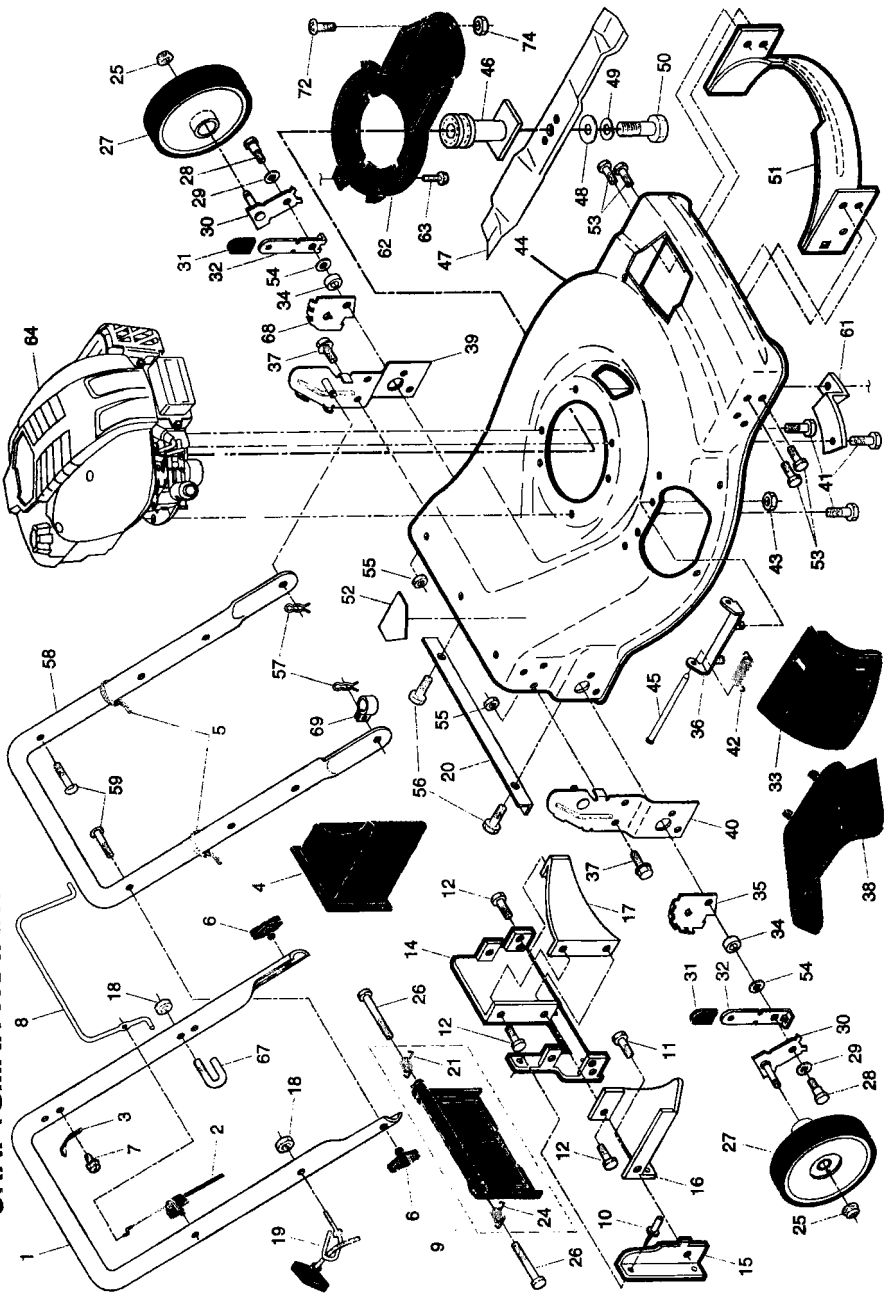


**REPAIR PARTS MANUAL**  
**MODEL NUMBER 917.389890**  
**Rotary Lawn Mower**

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**CRAFTSMAN ROTARY LAWN MOWER -- MODEL NUMBER 917.389890**

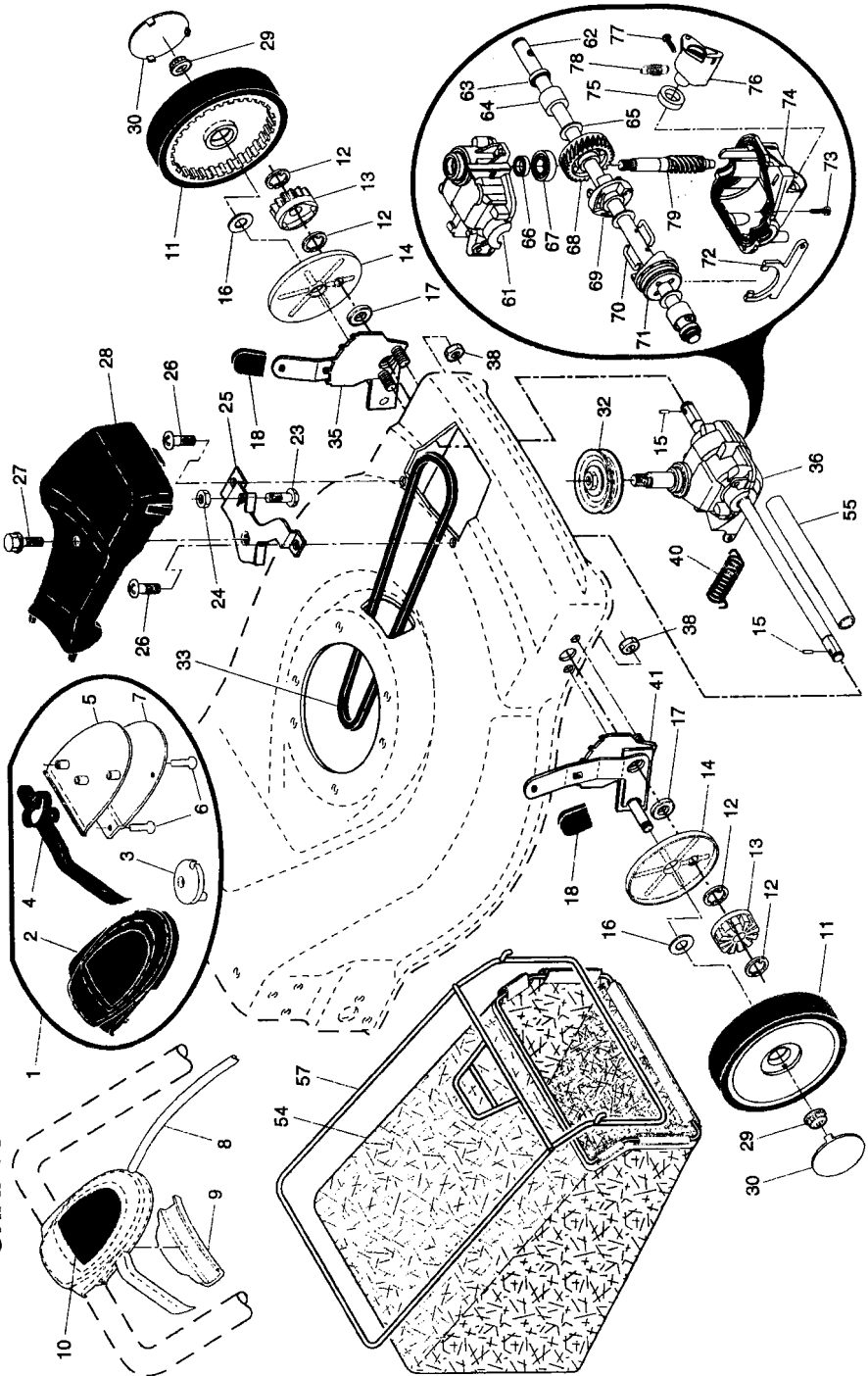


# CRAFTSMAN ROTARY LAWN MOWER - - MODEL NUMBER 917.38 9890

KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	194579X479	Upper Handle	39	195916X479	Handle Bracket Assembly, LH
2	183587	Engine Zone Control Cable	40	195917X479	Handle Bracket Assembly, RH
3	850733X004	Bracket, Upstop	41	150406	Screw, Hex Head, Threaded, Rolled 3/8-16 x 1-1/8
4	166649	Mulcher Plug	42	193000	Spring, Torsion
5	66426	Wire Tie	43	738004000	Nut, Hex, Nylock
6	189713X428	Handle Knob	44	194930	Kit, Lawn Mower Housing (Includes Key Numbers 14, 15 and 51)
7	750634	Screw	45	175650	Rod, Hinge
8	194580X428	Control Bar	46	194037	Blade Adapter / Pulley
9	193679	Rear Door Assembly (Includes Springs)	47	141114	Blade, 22"
10	128415	Pop Rivet	48	851074	Washer, Hardened
11	150050	Screw, Self-Tapping #10-24 x 5/8	49	850263	Washer, Helical
12	54583	Screw, Hex Hex Head, Sems 1/4-20 x 1/2	50	851084	Screw, Machine, Hex Head 3/8-24 x 1-3/8 Grade 8
14	195790X479	Back Plate	51	170491	Kit, Front Baffle (Includes Key Number 53)
15	700365X479	Side Baffle	52	182166	Danger Decal
16	176655X479	Discharge Baffle	53	176004006	Screw, Serrated, Type TT 1/4-20
17	140661X479	Rear Baffle	55	751592	Locknut, Hex 3/8-16
18	132004	Keys Locknut 1/4-20	56	146694	Hinge Screw 1/4-20 x 1-1/4
19	179585	Rope Guide	57	51793	Hairpin Cotter
20	146143X479	Footguard	58	151590X479	Lower Handle
21	170938	Spring, Rear Door, LH	59	191574	Handle Bolt
24	170939	Spring, Rear Door, RH	61	188839X004	Mounting Bracket, Debris Shield
25	83923	Nut, Hex, Flanged	62	197153	Debris Shield
26	184193	Bolt, Rear Door	63	192325	Screw, Debris Shield
27	194230X460	Wheel & Tire Assembly, Rear	64	---	Engine, Briggs & Stratton, Model Number 128602-0514-E1 (See Breakdown)
28	142748	Bolt, Shoulder 3/8-16 x 1	67	195504	Clip, Packaging
29	62335	Washer, Belleville	68	133759X007	Wheel Adjusting Bracket, LH
30	145935X004	Axle Arm Assembly	69	192770	Clip, Cable
31	701037	Selector Knob	72	175262	Screw
32	700331X004	Selector Spring	74	69180	Nut, Hex
33	189917X428	Mulcher Door	--	182134	Warning Decal (not shown)
34	146630	Spacer	--	197321	Operator's Manual, European
35	133757X007	Wheel Adjusting Bracket, RH	--	197320	Operator's Manual, Scandinavian
36	175735	Hinge Bracket Assembly	--	197324	Repair Parts Manual
37	150078	Screw, Sems, Thread Cutting 5/16-18 x 3/4			
38	189918X428	Discharge Deflector			

**IMPORTANT:** Use only Original Equipment Manufacturer (O.E.M.) replacement parts. Failure to do so could be hazardous, damage your lawn mower and void your warranty.

**CRAFTSMAN ROTARY LAWN MOWER -- MODEL NUMBER 917.389890**

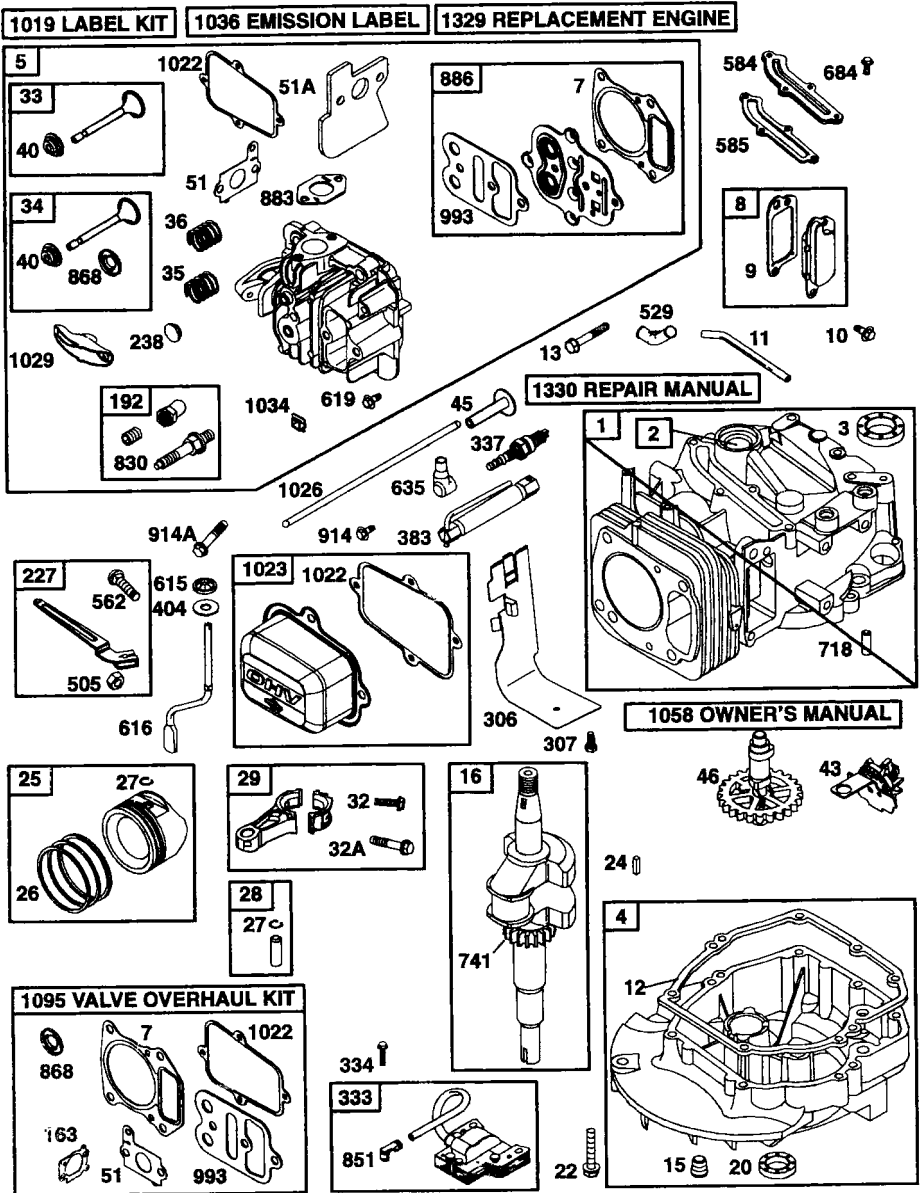


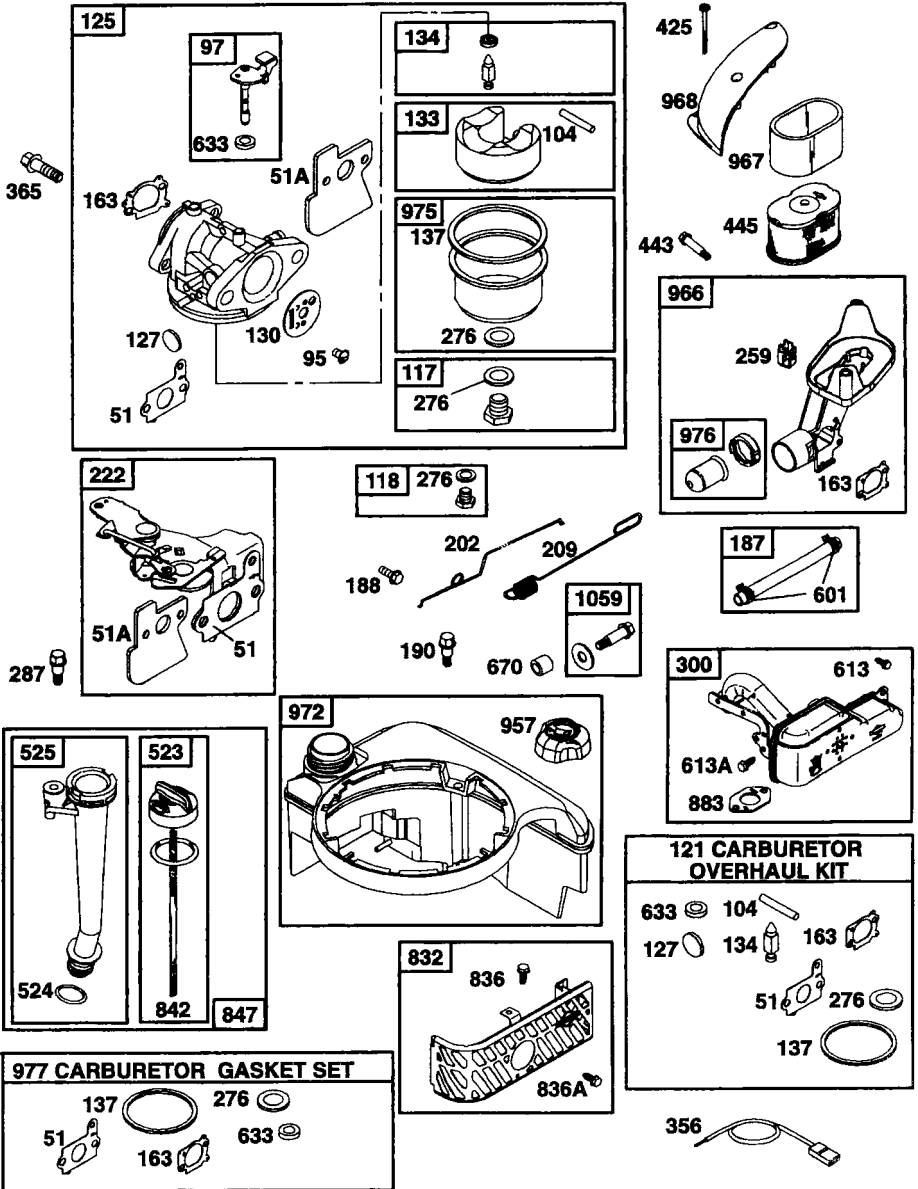
# CRAFTSMAN ROTARY LAWN MOWER - - MODEL NUMBER 917.389890

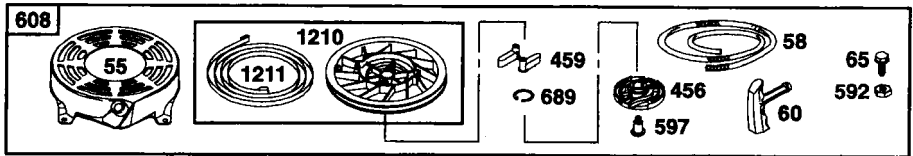
KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	197193	Drive Control Assembly (Includes Cable)	36	191636	Gear Case Assembly, Complete
2	195745	Cover, Drive Control, Top	38	73800400	Locknut 1/4-20
3	187353	Pulley	40	192549	Spring
4	188281	Lever, Drive Control	41	195107	Kit, Wheel Adjuster, RH
5	195744	Cover, Drive Control, Bottom			(Includes Knob and Bearing)
6	181698	Screw	54	196684	Grassbag Assembly
7	184212X479	Bracket, Drive Control	55	86012	Driveshaft Cover
8	197195	Cable, Drive Control	57	189680	Frame, Grassbag
9	184987	Cap, Mounting, Bottom	61	196886	Case, Upper
10	197365	Decal, Drive Control	62	197057	Shaft, Output
11	194231X460	Wheel & Tire Assembly, Front	63	183508	Seal, Output Shaft
12	12000058	E-Ring	64	183511	Bushing
13	750003	Gear, Pinion	65	183509	Washer
14	189403	Dust Cover	66	183514	Seal, Worm Shaft
15	191017	Pawl, Drive	67	183506	Bearing, Ball
16	67725	Washer, Flat 3/8	68	183499	Gear, 27 Teeth
17	191039	Bearing, Wheel Adjuster	69	196884	Fixed Dog Clutch
18	701037	Selector Knob	70	183505	Wireform
23	88652	Screw	71	196883	Movable Dog Clutch
24	751152	Nut, Hex	72	196882	Fork
25	197163X479	Beit Guide Bracket	73	183513	Screw, Case
26	188040	Screw	74	196881	Case, Lower
27	175262	Pan Head Tapping Screw #10-24 x 2-3/4	75	196880	Seal, Lever
28	194407X428	Drive Cover	76	196879	Lever
29	83923	Locknut, Hex	77	196878	Screw, Lever
32	194018	Drive Pulley	78	196877	Spring
33	196857	V-Belt	79	183502	Shaft, Worm
35	195110	Kit, Wheel Adjuster, LH (Includes Knob and Bearing)			

\* Use Dow Corning #709 to reseal Gear Case Halves.

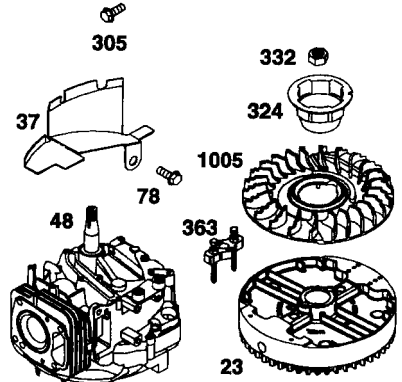
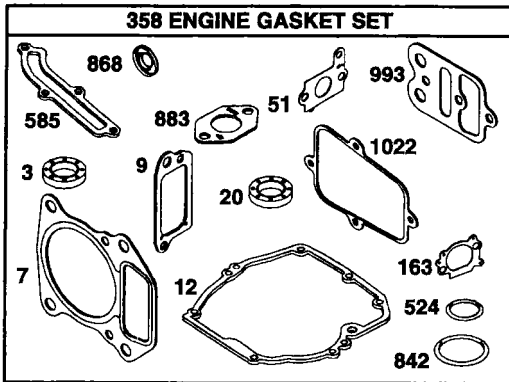
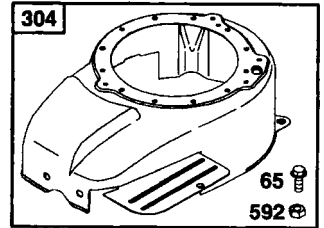
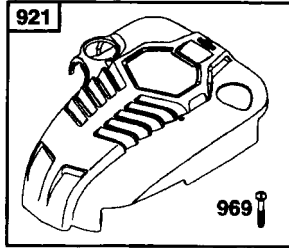
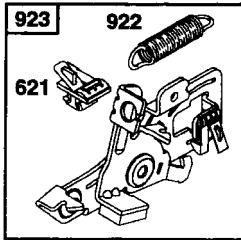
**IMPORTANT:** Use only Original Equipment Manufacturer (O.E.M.) replacement parts. Failure to do so could be hazardous, damage your lawn mower and void your warranty.







745



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
1	692670	Cylinder Assembly	28	499423	Pin-Piston
2	399269	Kit-Bushing/Seal	29	499424	Rod-Connecting
3	299819	• Seal-Oil (Magneto Side)	32	691664	Screw (Connecting Rod)
4	493279	Sump-Engine	32A	695759	Screw (Connecting Rod)
5	695276	Head-Cylinder	33	499642	Valve-Exhaust
7	695166	+ Gasket-Cylinder Head	34	499641	Valve-Intake
8	495786	Breather Assembly	35	691304	Spring-Valve (Intake)
9	272481	• Gasket-Breather	36	691304	Spring-Valve (Exhaust)
10	691125	Screw (Breather Assembly)	37	694086	Guard-Flywheel
11	691260	Tube-Breather	40	692194	Retainer-Valve
12	692232	• Gasket-Crankcase	43	691997	Slinger-Governor/Oil
13	691137	Screw (Cylinder Head)	45	690977	Tappet-Valve
15	691680	Plug-Oil Drain	46	694039	Camshaft
16	691456	Crankshaft	48	692748	Short Block
20	399781	• Seal-Oil (PTO Side)	51	692668	+ Gasket-Intake
22	691092	Screw (Engine Sump)	51A	697735	Gasket-Intake
23	697610	Flywheel	55	691421	Housing-Rewind Starter
24	222698	Key-Flywheel	58	697316	Rope-Starter (Cut to Length)
25	790359	Piston Assembly (Standard)	60	281434	Grip-Starter Rope
26	790360	Ring Set-Piston (Standard)	65	690837	Screw (Rewind Starter)
27	691866	Lock-Piston Pin	78	691108	Screw (Flywheel Guard)



KEY NO.	PART NO.	DESCRIPTION	KEY NO.	PART NO.	DESCRIPTION
95	691636	Screw (Throttle Valve)	621	692310	Switch-Stop
97	790121	Shaft-Throttle	633	691321	Ø‡ Seal-Throttle Shaft
104	691242	Ø Pin-Float Hinge	635	66538	Boot-Spark Plug
117	498981	Jet-Main (Standard)	670	692294	Spacer-Fuel Tank
118	498975	Jet-Main (High Altitude)	684	690345	Screw (Breather Passage Cover)
121	692703	Kit-Carburetor Overhaul	689	691855	Spring-Friction
125	790120	Carburetor	718	690959	Pin-Locating
127	694468	Ø Plug-Welch	741	691830	Gear-Timing
130	696564	Valve-Throttle	745	691648	Screw (Brake)
133	398187	Float-Carburetor	830	694544	Stud (Rocker Arm)
134	398188	Ø Valve-Needle/Seat	832	691466	Guard-Muffler
137	693981	Ø‡ Gasket-Float Bowl	836	697551	Screw (Muffler Guard)
163	691894	Ø‡+ Gasket-Air Cleaner	836A	691147	Screw (Muffler Guard)
187	691050	Line-Fuel (Cut to Length)	842	691031	• Seal-O Ring (Dipstick Tube)
188	691147	Screw (Control Bracket)	847	692047	Assembly-Dipstick/Tube
190	690940	Screw (Fuel Tank)	851	493880	Terminal-Spark Plug
192	694543	Ball-Rocker Arm	868	692044	+ Seal-Valve
202	691303	Link-Mechanical Governor	883	691893	• Gasket-Exhaust
209	791156	Spring-Governor	886	696268	Gasket Kit-Cylinder Head/Plate
222	697614	Bracket-Control	914	691108	Screw (Rocker Cover)
227	690783	Control Lever-Governor	914A	691127	Screw (Rocker Cover)
238	691300	Cap-Valve	921	699633	Cover-Blower Housing
259	691189	Bracket-Casing Clamp	922	692135	Spring-Brake
276	271716	Ø‡ Sealing Washer	923	695891	Brake
287	690940	Screw (Dipstick Tube)	957	692046	Cap-Fuel Tank
300	697590	Muffler	966	690243	Base-Air Cleaner Primer
304	695976	Housing-Blower	967	273356	Filter-Pre Cleaner
305	691108	Screw (Blower Housing)	968	691342	Cover-Air Cleaner
306	691232	Shield-Cylinder	969	691138	Screw (Blower Housing Cover)
307	690345	Screw (Cylinder Shield)	972	699374	Tank-Fuel
324	695161	Cup/Screen Assembly	975	493640	Bowl-Float
332	690662	Nut (Flywheel)	976	496115	Primer-Carburetor
333	802574	Armature-Magneto	977	692704	Set-Carburetor Gasket
334	691061	Screw (Armature Magneto)	993	694088	+ Gasket-Cylinder Head Plate
337	692051	Spark Plug	1005	691346	Fan-Flywheel
356	692390	Wire-Stop	1019	697624	Kit-Label
358	694090	Engine Gasket Set	1022	691890	+ Gasket-Rocker Cover
363	190699	Flywheel Puller	1023	499624	Cover-Rocker Arm
365	691136	Screw (Carburetor)	1026	692045	Rod-Push
383	19374	Wrench-Spark Plug	1029	691230	Arm-Rocker
404	690272	Washer (Governor Crank)	1034	691343	Guide-Push Rod
425	690244	Screw (Air Cleaner Cover)	1036	790635	Label-Emission
443	690255	Screw (Air Cleaner Primer Base)	1058	275054	Owner's Manual
445	697029	Filter-Air Cleaner Cartridge	1059	692311	Kit-Screw/Washer
456	692299	Plate-Pawl Friction	1095	694091	Set-Valve Gasket
459	281505	Pawl-Ratchet	1210	498144	Assembly-Pulley/Spring (Pulley)
505	691251	Nut (Governor Control Lever)	1211	498144	Assembly-Pulley/Spring (Spring)
523	499621	Dipstick	1329	121602-0625	Replacement Engine (Transfer Governor Spring)
524	692296	• Seal-Dipstick Tube	1330	272147	Repair Manual
525	495265	Tube-Dipstick			
529	692937	Grommet			
562	691119	Bolt (Governor Control Lever)	--	398067	Spark Arrester (available accy.)
584	697734	Cover-Breather Passage			
585	691879	• Gasket-Breather Passage			• Included in Engine Gasket Set, Key No. 358
592	690800	Nut (Rewind Starter)			
597	691696	Screw (Pawl Friction Plate)			Ø Included in Carburetor Overhaul Kit, Key No. 121
601	95162	Clamp-Hose			‡ Included in Carburetor Gasket Set, Key No. 977
608	497880	Starter-Rewind			+ Included in Valve Overhaul Kit, Key No. 1095
613	691108	Screw (Muffler)			
613A	691140	Screw (Muffler)			
615	690340	Retainer-Governor Shaft			
616	698801	Crank-Governor			
619	691108	Screw (Cylinder Head Plate)			

**NOTE:** All component dimensions given in U.S. inches.  
1 inch = 25.4 mm.

# SERVICE NOTES