



## Engine Parts List #1

Ref #	Part Number	Qty	Description
1	31411A	0	Cylinder Assy. (2-1/2" Bore)
2	27652	0	Pin, Dowel
3	27642	0	Plug, Drain
3A	27642	0	Plug, Drain
4	27876B	0	Seal, Oil
5	31467A	0	Valve, Intake (Standard) (Long Life)
5	31468A	0	Valve, Intake (1/32" Oversize) (Long Life)
6	31469A	0	Valve, Exhaust (Standard) (Long Life)
6	31470	0	Valve, Exhaust (1/32" Oversize) (Long Life)
7	27882	0	Cap, Upper valve spring
8	27881	0	Spring, Valve
9	27883	0	Cap, Lower valve spring (Standard)
9	30964	0	Cap, Lower valve spring (1/32" oversize)
9A	27883	0	Cap, Lower valve spring (Standard)
9A	30964	0	Cap, Lower valve spring (1/32" oversize)
10	20810	0	Pin, Valve spring retaining
11	32271	0	Crankshaft Assy.
12	29783	0	Pin, Crankshaft gear
13	27884	0	Gear, Crankshaft
14	27886	0	Piston & Pin Assy. (.010 Oversize)
14	27887	0	Piston & Pin Assy. (.020 Oversize)
14	28739	0	Piston & Pin Assy. (Standard) (2-1/2")
15	29907	0	Re-Ringing Set, Piston
15	31853	0	Ring Set, Piston (Standard) (2-1/2") (Long
15	32055	0	Ring Set, Piston (.010 Oversize)
15	32056	0	Ring Set, Piston (.020 Oversize)
16	27888	0	Ring, Piston pin retaining
17	31295B	0	Rod Assy., Connecting
18	21718	0	Bolt, Connecting rod
19	26073	0	Washer, Connecting rod bolt
20	28264	0	Nut
21	31296	0	Camshaft (No compression release)
22	27893	0	Lifter, Valve
23	31822A	0	Cover, Cylinder
24	28460	0	Seal, Oil
25	30924A	0	Dipstick Oil
26	30684	0	Gasket, Mounting flange
27	8303	0	Lockwasher
28	30564	0	Screw
28	650488	0	Screw
30	29673	0	Gasket, Filler plug
31	650489	0	Screw
32	28938B	0	Gasket, Cylinder head
33	30938A	0	Head, Cylinder
34	27793	0	Clip, Conduit
35	28942	0	Screw
36	650694	0	Screw, Hex hd. cap, 5/16-18 x 2
36	650695	0	Screw, Hex hd. cap, 5/16-18 x 2-1/4 (Grade 8
36	650697	0	Screw, Hex hd. cap, 5/16-18 x 2-1/2
37	33636	0	Plug, Spark (Champion J-8 or equivalent)
38	27896	0	Gasket, Breather cover
39	28423	0	Body, Breather
40	28424	0	Element, Breather
41	28425	0	Cover, Valve chamber
42	26073	0	Washer, Connecting rod bolt
43A	8269	0	Washer
43	650128	0	Screw
43	650597	0	Screw, Hex washer hd., 10-24 x 5/8

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Ref #	Part Number	Qty	Description
44	27627	0	Tube, Breather
45	27915	0	Gasket, Intake pipe
46	30195A	0	Flange, Carburetor
48	30196	0	Screw
50	650548	0	Screw, Hex washer hd., 8-32 x 5/16
51	30319	0	Rivet, Split
52	31709	0	Lever, Governor
54	28819	0	Spring, Fuel line
54	31778	0	Spring, Coil
55	30205	0	Bracket, Adjusting
56	31710	0	Link, Throttle
57A	24522	0	Control, Throttle
57	30985	0	Control, Throttle
59	29216	0	Nut
60	650152	0	Screw
61	29826	0	Screw
62	29642	0	Ring, Retaining
63	30699A	0	Rod Assy., Governor
64	29536	0	Baffle, Blower housing
65	650561	0	Screw
66	30586	0	Decal, Instruction
67	650399	0	Screw, Phil. fil. hd. Sems, 10-32 x 5/8
68	8274	0	Lockwasher
69	29747A	0	Screw
70	32158B	0	Housing, (5.56 Dia. starter mtg. bolt
71	650490	0	Washer, Belleville
72	8116	0	Nut
73	30700	0	Yoke, Governor
74	650494	0	Screw
75	31688	0	Gasket, Carburetor (1/8 thick)
77	31345	0	Plate, Identification
78	29309	0	Stud, Drive
79	29752	0	Nut
80	650572	0	Screw
83	27272	0	Gasket, Air cleaner
87	31691	0	Bracket, Air cleaner
88	650521	0	Screw
88	28820	0	Screw
88	650399	0	Screw, Phil. fil. hd. Sems, 10-32 x 5/8
89	30727	0	Element, Air cleaner
90	31692	0	Body, Air cleaner
91	30312	0	Screw, Hex washer hd. Sems, 10-32 x 1/2
98	28569	0	Spring, Compression
98	32924	0	Spring, Compression
99	29500	0	Screw, Fil. hd. mach., Sems, 8-32 x 3/4
99	650223	0	Screw, Fil. slotted hd. Sems, 8-32 x 5/8
99	650688	0	Screw, Hex hd., 10-32 x 1-5/16" (Drilled
100	29538	0	Base, Mounting
102	650561	0	Screw
105	31793	0	Bearing, Ball
106	31845	0	Shaft, Mechanical governor
108	29193	0	Ring, Retaining
109	30588A	0	Spool, Governor
111	31300	0	Bracket, Fuel tank
113	30688	0	Screw, Hex hd. Sems, 1/4-20 x 1/2
113	650561	0	Screw
114	31321	0	Tank Assy., Fuel (2 qt.)
115	32387A	0	Cap, Fuel filler (Charcoal Plastic) (Spurt

Ref #	Part Number	Qty	Description
	115 33032	0	Cap, Fuel filler (Red Plastic) (Spurt
	115A 30998B	0	Cap, Fuel filler (Red Plastic) (Sno Proof)
	117 28584	0	Strainer & Elbow
	118 29774	0	Line, Fuel (Braided 8.25")
	118 30705	0	Line, Fuel (Braided 16")
	118 30962	0	Line, Fuel (Braided 32")
	119 31792	0	Washer, Thrust
	120 30688	0	Screw, Hex hd. Sems, 1/4-20 x 1/2
	120 650128	0	Screw
	121 30622	0	Extension, Blower housing
	125 27930	0	Gasket, Exhaust
	126 650178	0	Screw
	127 26073	0	Washer, Connecting rod bolt
	128 30196	0	Screw
	128 650694	0	Screw, Hex hd. cap, 5/16-18 x 2
	129 30884	0	Key, Flywheel
	130 31843A	0	Bracket, Governor
	131 28763	0	Screw, Hex washer hd. thread-forming, 10-24
	132 30091	0	Screw, Hex slotted washer hd., 8-32 x 1/2
	132 650548	0	Screw, Hex washer hd., 8-32 x 5/16
	133 650493	0	Screw, Hex hd. Sems, 1/4-20 x 1-3/4
	144 650542	0	Screw, Hex hd. cap, 5/16 18 x 13/16
	145 31752	0	Decal, Air cleaner
	149 30747	0	Clip, Shorting
	149 31861	0	Clip, Shorting
	150 16645	0	Lockwasher
	151 30066	0	Screw
	152 30063	0	Screw
	152 30688	0	Screw, Hex hd. Sems, 1/4-20 x 1/2
	153 30064	0	Cover, Rectifier panel
	154 30065	0	Nut, Long 5-40
	155 31324	0	Decal, Name & H.P. (6 H.P.)
	155 31325	0	Decal, Name & H.P. (5 H.P.)
	155 31328	0	Decal, Name & H.P. (4 H.P.)
	156 28728	0	Nut
	157 28727	0	Lockwasher
	159 28726	0	Screw, Phil. rd. hd., 5-40 x 9/16
	160 30595	0	Decal, Ezee-start
	162 29918	0	Lockwasher
	164 30322	0	Nut & Lockwasher
	165 29916	0	Clamp, Governor lever
	176 30972	0	Bracket, Choke control
	177 29774	0	Line, Fuel (Braided 8.25")
	182 30063	0	Screw
	182 30688	0	Screw, Hex hd. Sems, 1/4-20 x 1/2
	184 29521	0	Pin, Dowel
	194 31478	0	Decal, H.P. (4 H.P.)
	194 31517	0	Decal, H.P. (5 H.P.)
	194 32173	0	Decal, H.P. (6 H.P.)
	206 30590A	0	Washer, Flat
	209 30939	0	Cover, Cylinder head
	232 31548	0	Knob, Seed control
	232 32410	0	Knob, Speed control
	238 650489	0	Screw
	253 30767	0	Spacer, Air cleaner
	258 31298	0	Strip, Dampener
	259 31299	0	Brace, Tank mounting
	260 29752	0	Nut

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Ref #	Part Number	Qty	Description
260	650116	0	Nut, Lock
260	650456	0	Nut, Lock
261	650168	0	Washer, Flat
262	29716	0	Screw
264A	590417	0	Screen, Starter cup
264	32125	0	Cup, Starter
266	26460	0	Clamp, Fuel line
267	33356	0	Terminal, Ground
268	31584	0	Cup, Spark plug
269	31583	0	Clamp, Wire
270	31461	0	Bushing, Crankshaft
271	31546	0	Bushing, Crankshaft
272	31660	0	Cover, Fuel pump pad
273	31711A	0	Bracket Assy., Speed control
275	31386	0	Spring, Governor
277	29212	0	Screw
277	650451	0	Screw
278	6202	0	Screw
286	27275	0	Clip, Hi-tension wire
286	29443	0	Clip, Fuel line
289	730512	0	Kit, Pre-cleaner
290	31667	0	Spring, Pre-cleaner bag
291	31668	0	Bag, Pre-cleaner
296A	650147	0	Washer, Flat
296	28942	0	Screw
296	650229	0	Screw
305	30547A	0	Contact Assy., Breaker
306	30548A	0	Condenser
307	631021	0	Inlet Needle, Seat & Clip Assy.
309	31855	0	Retainer, Bearing
310	27183	0	Washer, Fiber
311	650580	0	Nut, Lock
318	650583	0	Washer, Flat
328	730127	0	Cleaner Assy., Air (Poly)
335	32130	0	Decal, Long Life
352	8274	0	Lockwasher
360	631063A	0	Carburetor
361A	33018	0	Harness, Adapter
361	610689A	0	Magneto, Tecumseh
362	590449	0	Starter, Rewind
363	29965	0	Motor, Starter (12 Volt)
363	32468	0	Motor, Starter (12 Volt)
363	32468A	0	Motor, Starter (12 Volt)
363	32468B	0	Motor, Starter (12 Volt)
364	33235	0	Gasket Set



## Engine Parts List #2

Ref #	Part Number	Qty	Description
34	27793	0	Clip, Conduit
35	28942	0	Screw
36	650694	0	Screw, Hex hd. cap, 5/16-18 x 2
36	650695	0	Screw, Hex hd. cap, 5/16-18 x 2-1/4 (Grade 8)
36	650697	0	Screw, Hex hd. cap, 5/16-18 x 2-1/2
42	26073	0	Washer, Connecting rod bolt
54	28819	0	Spring, Fuel line
54	31778	0	Spring, Coil
60	650152	0	Screw
67	650399	0	Screw, Phil. fil. hd. Sems, 10-32 x 5/8
79	29752	0	Nut
80	650572	0	Screw
83	27272	0	Gasket, Air cleaner
85	29786	0	Screw
85	650163	0	Screw, Fil. hd. Sems, 10-32 x 7/8
85	650416	0	Screw, Rd. hd. Sems, 10-32 x 1
85	650605	0	Screw
87	31691	0	Bracket, Air cleaner
88	650521	0	Screw
88	28820	0	Screw
88	650399	0	Screw, Phil. fil. hd. Sems, 10-32 x 5/8
89	30727	0	Element, Air cleaner
90	31692	0	Body, Air cleaner
91	30312	0	Screw, Hex washer hd. Sems, 10-32 x 1/2
98	28569	0	Spring, Compression
98	32924	0	Spring, Compression
99	29500	0	Screw, Fil. hd. mach., Sems, 8-32 x 3/4
99	650223	0	Screw, Fil. slotted hd. Sems, 8-32 x 5/8
99	650688	0	Screw, Hex hd., 10-32 x 1-5/16" (Drilled)
101	30209	0	Elbow, Exhaust (45°)
103C	31287	0	Muffler
104	28443	0	Nut, Conduit (1/8" thick)
104	32862	0	Nut, Conduit (1/4" thick)
115	32387A	0	Cap, Fuel filler (Charcoal Plastic) (Spurt)
115	33032	0	Cap, Fuel filler (Red Plastic) (Spurt)
118	29774	0	Line, Fuel (Braided 8.25")
118	30705	0	Line, Fuel (Braided 16")
118	30962	0	Line, Fuel (Braided 32")
125	27930	0	Gasket, Exhaust
145	31752	0	Decal, Air cleaner
146	28451	0	Gasket, Housing
171	24590	0	Plug, Pipe
215	28301	0	Pulley, Starter
216	590343	0	Rope & Handle Assy., Starter
228	30820	0	Baffle, Heat
229	28942	0	Screw
230	650257	0	Screw, Pan hd. Sems, 8-32 x 5/16
253	30767	0	Spacer, Air cleaner
255	28820	0	Screw
256	650760	0	Screw
257	31291	0	Plug, Cover
262	29716	0	Screw
265	650701	0	Screw, Hex washer hd. shakeproof,
266	26460	0	Clamp, Fuel line
289	730512	0	Kit, Pre-cleaner
290	31667	0	Spring, Pre-cleaner bag
291	31668	0	Bag, Pre-cleaner
327	730128	0	Cleaner Assy., Air

Ref #	Part Number	Qty	Description
328	730127	0	Cleaner Assy., Air (Poly)
342	29212	0	Screw
347	31288	0	Muffler Adapter Kit
348	730130	0	Muffler Adapter Kit
349	6021	0	Screw
350	650697	0	Screw, Hex hd. cap, 5/16-18 x 2-1/2
351	650178	0	Screw
353	30803	0	Bracket Kit, Air cleaner
360	631063A	0	Carburetor