



## Engine Parts List #1

Ref #	Part Number	Qty	Description
	1 31659	0	Cylinder Assy, (2-5/8" Bore)
	2 27652	0	Pin, Dowel
	3A 27642	0	Plug, Drain
	3 27642	0	Plug, Drain
	4 27876B	0	Seal, Oil
	5 27877A	0	Valve, Intake (Standard)
	5 27879A	0	Valve, Intake (1/32" Oversize)
	6 27878A	0	Valve, Intake (Standard)
	6 27880A	0	Valve, Intake (1/32" oversize)
	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 30801	0	Crankshaft AssY.
	12 29783	0	Pin, Crankshaft gear
	13 27884	0	Gear, Crankshaft
	14 30662	0	Piston & Pin Assy. (Standard) (2-5/8")
	14 30663	0	Piston & Pin Assy. (.010 Oversize)
	14 30664	0	Piston & Pin Assy. (.020 Oversize)
	15 28935	0	Ring Set, Piston (Standard) (2-5/8")
	15 28936	0	Ring Set, Piston (.010 Oversize)
	15 28937	0	Ring Set, Piston (.020 Oversize)
	15 29909	0	Re-Ringing Set, Piston
	16 27888	0	Ring, Piston pin retaining
	17 31380	0	Rod'Assy., Connecting
	18 30682	0	Bolt, Connecting rod
	19 26073	0	Washer, Connecting rod bolt
	20 28264	0	Nut
	21 32115	0	Camshaft Assy. (Mech. compression release)
	22 27893	0	Lifter, Valve
	23 31329A	0	Cover, Cylinder
	25 29668	0	Dipstick, Oil (Screw In)
	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
	44 27627	0	Tube, Breather

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Ref #	Part Number	Qty	Description
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
57	30985	0	Control, Throttle
57A	24522	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	28820	0	Screw
88	650399	0	Screw, Phil. fil. hd. Sems, 10-32 x 5/8
88	650521	0	Screw
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
97	30831	0	Wire, Ground (Female fitting both ends)
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
106	31845	0	Shaft, Mechanical governor
108	29193	0	Ring, Retaining
109	30588A	0	Spool, Governor
111	31694	0	Bracket, Fuel tank
113	30688	0	Screw, Hex hd. Sems, 1/4-20 x 1/2
113	650561	0	Screw
114	31301	0	Tank Assy., Fuel (1 gal.)
115A	30998B	0	Cap, Fuel filler (Red Plastic) (Sno Proof)
115	32387A	0	Cap, Fuel filler (Charcoal Plastic) (Spurt

Ref #	Part Number	Qty	Description
115	33032	0	Cap, Fuel filler (Red Plastic) (Spurt
117A	29683	0	Strainer & Shut-off
118	29774	0	Line, Fuel (Braided 8.25")
118	30705	0	Line, Fuel (Braided 16")
118	30962	0	Line, Fuel (Braided 32")
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
147	30363	0	Nut, Lock
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
207	31725	0	Extension, Governor lever
209	30939	0	Cover, Cylinder head
232	31548	0	Knob, Seed control
232	32410	0	Knob, Speed control
238	650516	0	Screw
240	30845A	0	Bolt, Governor adjusting
241	30886A	0	Spring, Governor bolt
253	30767	0	Spacer, Air cleaner
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
264	32125	0	Cup, Starter
264A	590417	0	Screen, Starter cup
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
276	31697	0	Strap, Fuel tank
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
296	28942	0	Screw
296	650229	0	Screw
296A	650147	0	Washer, Flat
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	631067A	0	Carburetor
361	610681A	0	Magneto, Tecumseh Alternator (w/ring gear)
361A	33018	0	Harness, Adapter
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)
363	33606	0	Motor, Starter (12 Volt)
364	33235	0	Gasket Set



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	28820	0	Screw
88	650399	0	Screw, Phil. fil. hd. Sems, 10-32 x 5/8
88	650521	0	Screw
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
97	30831	0	Wire, Ground (Female fitting both ends)
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	29574	0	Elbow, Exhaust (90°)
103A	29633	0	Muffler
104	28443	0	Nut, Conduit (1/8" thick)
104	32862	0	Nut, Conduit (1/4" thick)
110	30244	0	Nipple, Exhaust pipe (2-1/2")
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
158	30256	0	Seal, Oil
161	28508	0	Plug, Expansion
163	30516	0	Housing, Reducer
166	28454	0	Screw
167	30517A	0	Gasket, Reduction cover
168	30797	0	Shaft & Gear Assy.
169	30798	0	Cover, Reducer
170	9556	0	Plug, Oil drain (Sq. hd. pipe, 1/8-27)
170A	9556	0	Plug, Oil drain (Sq. hd. pipe, 1/8-27)
171	24590	0	Plug, Pipe
172	30564	0	Screw
173	28973	0	Decal, Oil fill
174	27897	0	Seal, Oil
183	8274	0	Lockwasher
215	28301	0	Pulley, Starter

## Engine Parts List #2

Ref #	Part Number	Qty	Description
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
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	631067A	0	Carburetor