



Engine Parts List #1

Ref #	Part Number	Qty	Description
1	33089	0	Cylinder Assy. (3-5/16" Bore)
2	27652	0	Pin, Dowel
3	33359	0	Baffle, Oil
3A	650128	0	Screw
4	31950	0	Seal, Oil
5	31940	0	Valve, Intake (Std.)
5	31941	0	Valve, Intake (1/32" oversize)
6	31942	0	Valve, Exhaust (Std.)
6	31943	0	Valve, Exhaust (1/32" oversize)
7	31944	0	Spring, Valve
8	31945	0	Cap, Valve spring (Std.)
8	31946	0	Cap, Valve spring (1/32" oversize)
8A	31945	0	Cap, Valve spring (Std.)
8A	31946	0	Cap, Valve spring (1/32" oversize)
9	20810	0	Pin, Valve spring retaining
10	31939	0	Lifter, Valve
11	33090A	0	Crankshaft Assy.
12	29783	0	Pin, Crankshaft gear
13	33091	0	Gear, Crankshaft
14	34508	0	Piston, Pin & Ring Assy. (Std.) (3-5/16")
14	34509	0	Piston, Pin & Ring Assy. (.010 oversize)
14	34510	0	Piston, Pin & Ring Assy. (.020 oversize)
14	34523	0	Piston, Pin & Ring Assy. (.040 oversize)
14	34850	0	Piston, Pin & Ring Assy. (.030 oversize)
14A	32001C	0	Piston & Pin Assy. (Std.) (3-5/16")
14A	32002B	0	Piston & Pin Assy. (.010 oversize)
14A	32003B	0	Piston & Pin Assy. (.020 oversize)
14A	32619B	0	Piston & Pin Assy. (.030 oversize)
14A	32620B	0	Piston & Pin Assy. (.040 oversize)
15	32004	0	Ring Set, Piston (Std.) (3-5/16")
15	32005	0	Ring Set, Piston (.010 oversize)
15	32006	0	Ring Set, Piston (.020 oversize)
15	32623	0	Ring Set, Piston (.030 oversize)
15	32624	0	Ring Set, Piston (.040 oversize)
16	31919	0	Ring, Piston pin retaining
17	33093A	0	Rod Assy., Connecting (Std.)
17	34383	0	Rod Assy., Connecting (.010 undersize)
17	34384	0	Rod Assy., Connecting (.020 undersize)
18	32077	0	Bolt, Connecting rod
19	26073	0	Washer, Connecting rod bolt
20	28264	0	Nut
21	32150	0	Camshaft Assy. (Mechanical Compression)
22	33092	0	Dipper, Oil
23	33094	0	Flange, Mounting
24	31930	0	Shaft, Mechanical governor
25	31947	0	Gear Assy., Governor
26	29193	0	Ring, Retaining
27	31948	0	Spool, Governor
28	30590A	0	Washer, Flat
29	31927	0	Plug, Oil drain (3/8-18 sq. hd.)
34	31956A	0	Gasket, Mounting flange
35	30564	0	Screw
36	650588	0	Screw, Hex hd. Sems, 1/4-20 x 2
37	31957	0	Breather Assy.
38	27627	0	Tube, Breather
39	31958	0	Gasket, Breather
40	650128	0	Screw
41	31959	0	Baffle, Air

Ref #	Part Number	Qty	Description
42	33095	0	Flange, Carburetor
43	31960	0	Gasket, Carburetor
43A	31960	0	Gasket, Carburetor
44	6201	0	Screw
45	29634	0	Fitting, Fuel
46	29752	0	Nut
47	650517	0	Screw, Fil. flex hd. self-locking, 1/4-20 x
48	33034	0	Head, Cylinder
49	32000A	0	Gasket, Cylinder head
50	33035	0	Cover, Cylinder head
51	33636	0	Plug, Spark (Champion J-8 or equivalent)
51	34251	0	Resistor Spark Plug
52	650691	0	Washer, Flat
53	650690	0	Washer, Belleville
54	650711	0	Screw, Hex hd., 5/16-18 x 1-5/8
55	33096	0	Lever, Governor
56	31964	0	Clamp, Governor lever
57	650518	0	Lockwasher, No. 10
58	30312	0	Screw, Hex washer hd. Sems, 10-32 x 1/2
59	650544	0	Screw, Pan flex hd., 10-24 x 7/8
60	7975	0	Nut, Square, 10-24
61	31965	0	Plate, Governor spring
62	33097	0	Lever, Governor adjusting
63	28558	0	Washer, Wave
64	31966	0	Bushing, Governor lever
65	650597	0	Screw, Hex washer hd., 10-24 x 5/8
66	31967	0	Spring, Governor
67	33098	0	Link, Governor
68	650591	0	Screw, Fil. hd., 10-24 x 2
69	33099	0	Spring
70	32677	0	Cover, Cylinder
71	31971	0	Gasket, Shim (.004/.005 thick)
71	31972	0	Gasket, Shim (.005/.007 thick,)
72	32031	0	Spacer, Steel (.010 thick)
73	32599	0	"O" Ring
74	31932	0	Bearing, Tapered roller
75	31928	0	Cup, Bearing
76	32425	0	Rod Assy., Governor
77	32426	0	Spacer, Governor rod
79	650666	0	Washer, Lock
80	650594	0	Nut, Flywheel
81	28537	0	Washer, Flat
82	650128	0	Screw
83	33038	0	Plug, Button
84	650561	0	Screw
85	31975	0	Baffle, Blower housing
86	28545	0	Grommet, Plastic
87	33356	0	Terminal, Ground
88	650643	0	Screw
89	30831	0	Wire, Ground (Female fitting both ends)
90	30688	0	Screw, Hex hd. Sems, 1/4-20 x 1/2
90	650128	0	Screw
91	31976	0	Extension, Blower housing
92	26073	0	Washer, Connecting rod bolt
93	650713	0	Screw, Hex hd., 5/16-18 x 5/8
94	33037	0	Housing, Blower
95	27793	0	Clip, Conduit
96	28942	0	Screw

Ref #	Part Number	Qty	Description
97	8274	0	Lockwasher
99	650595	0	Screw, Hex hd., 5/16-24 x 3/8
100	650890	0	Lockwasher, Shakeproof 5/16
101	32039	0	Switch, Stop
102	650624	0	Screw, Hex hd., 5/16-24 x 9/16
103	27272	0	Gasket, Air cleaner
104	30767	0	Spacer, Air cleaner
105	650399	0	Screw, Phil. fil. hd. Sems, 10-32 x 5/8
106	650513	0	Nut, Wing
107	32380	0	Bracket, Air cleaner
108	32377	0	Bracket, Air cleaner
109A	31925	0	Element, Air cleaner
110	31926	0	Cover, Air cleaner
111	31481	0	Washer, Copper
114	650590	0	Nut, Conduit
115	32141	0	Elbow, Exhaust (90°)
120	27625	0	Plug, Oil filler
121	29673	0	Gasket, Filler plug
124	31990	0	Bracket, Bowden wire
163	31980	0	Pulley, Starter
164	32046	0	Rope Assy., Starter
165	650680	0	Screw, Truss hd., 1/4-20 x 1-1/2
166	31992	0	Spacer, Screen
167	33776	0	Screen, Starter pulley
168	27070	0	Lockwasher
174	650668	0	Screw, Flat hd., 5/16-18 x 13/16
175	650679	0	Lockwasher
176	650592	0	Key, Flywheel
177	610758	0	Flywheel (Solid state)
177A	730201	0	Trigger Pin Kit
178	610760	0	Transformer Assy.
179	650561	0	Screw
180A	650489	0	Screw
180	650669	0	Screw, Hex hd. Sems w/flat washer, 5/16-18 x
181	610759	0	Magneto (Solid state)
183	610118	0	Cover, Spark plug
184	610750	0	Grommet, Lead wire
206	34346	0	Decal, Instruction
206A	550223	0	Decal, Name
206C	31752	0	Decal, Air cleaner
207	32255A	0	Valve, Seat, Gasket & Spring Assy. (.083
209	631608	0	Carburetor
212	33237A	0	Gasket set

Engine Parts List #2

Ref #	Part Number	Qty	Description
103	27272	0	Gasket, Air cleaner
106	650513	0	Nut, Wing
113A	31987	0	Muffler
127	33100	0	Fuel pump, Impulse
128	33010	0	Repair Kit, Impulse fuel pump
129	29774	0	Line, Fuel (Braided 8.25")
130	32958	0	Fitting, Fuel
131	26460	0	Clamp, Fuel line
151	34118	0	Cap, Fuel filler (Red Plastic) (Spurt
151	34210	0	Cap, Fuel filler (Red Plastic) (Spurt
183	610118	0	Cover, Spark plug
184	610750	0	Grommet, Lead wire