



Ref #	Part Number	Qty	Description
1	33089	0	Cylinder Assy. (3-5/16" Bore)
2	27652	0	Pin, Dowel
3A	650128	0	Screw
3	33359	0	Baffle, Oil
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
8A	31945	0	Cap, Valve spring (Std.)
8A	31946	0	Cap, Valve spring (1/32" oversize)
8	31945	0	Cap, Valve spring (Std.)
8	31946	0	Cap, Valve spring (1/32" oversize)
9	20810	0	Pin, Valve spring retaining
10	31939	0	Lifter, Valve
11	33409A	0	Crankshaft Assy.
12	29783	0	Pin, Crankshaft gear
13	33091	0	Gear, Crankshaft
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)
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)
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.)
32	32438	0	Nipple, Pipe
33	32154	0	Cap, Nipple
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

Ref #	Part Number	Qty	Description
40	650128	0	Screw
41	31959	0	Baffle, Air
42	34078	0	Flange, Carburetor
43	31960	0	Gasket, Carburetor
43A	33263	0	Gasket, Carburetor
44	650698	0	Screw, Fil. hd., 1/4-28 x 7/8
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	32577	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	32579	0	Baffle, Blower housing
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	33044A	0	Housing, Blower
95	27793	0	Clip, Conduit
96	28942	0	Screw
97	8274	0	Lockwasher
98	8274	0	Lockwasher
99	650595	0	Screw, Hex hd., 5/16-24 x 3/8

Ref #	Part Number	Qty	Description
	100 650890	0	Lockwasher, Shakeproof 5/16
	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 650789	0	Screw, Fil. hd. Sems, 10-32 x 2
	106 650513	0	Nut, Wing
	107 32378	0	Bracket, Air cleaner
	108 32376	0	Bracket, Air cleaner
	109A 32008	0	Element, Air cleaner
	110 32810	0	Cover, Air cleaner
	111 31481	0	Washer, Copper
	112 30936	0	Flange, Air cleaner
	114 650590	0	Nut, Conduit
	115 32141	0	Elbow, Exhaust (90°)
	124 31990	0	Bracket, Bowden wire
	165 650670	0	Screw, Truss hd., 1/4-20 x 3/4
	166 32426	0	Spacer, Governor rod
	167 33776	0	Screen, Starter pulley
	168 27070	0	Lockwasher
	169 650675	0	Washer, Flat
	170 33013	0	Cover, Starter bubble
	171 650701	0	Screw, Hex washer hd. shakeproof,
	174 792028	0	Screw, Hex hd. Sems, 5/16-18 x 7/8
	176 650592	0	Key, Flywheel
	177A 730201	0	Trigger Pin Kit
	177 610901	0	Flywheel (Solid state)
	183 610118	0	Cover, Spark plug
	184 610750	0	Grommet, Lead wire
	206 34346	0	Decal, Instruction
	206C 31752	0	Decal, Air cleaner
	206A 32730	0	Decal, Composite
	208 631021	0	Inlet Needle, Seat & Clip Assy.
	209 631886	0	Carburetor
	212 33237A	0	Gasket set



Ref #	Part Number	Qty	Description
103	27272	0	Gasket, Air cleaner
106	650513	0	Nut, Wing
117	33951A	0	Tube, Oil filler
118	33950A	0	Dipstick, Oil (Twist Lock)
119	33590	0	"O" Ring
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
185	650661	0	Screw, Fil. hd. w/conical spring washer,
186	610408	0	Nut, Terminal
187	610908	0	Terminal, Female
188	650521	0	Screw
191	610906	0	Magneto, Solid state (Incl. Nos. 183, 184,
192	610907	0	Regulator, Rectifier (20 Amp)
202A	610902	0	Coil Assy., Alternator (20 Amp)
203	610903	0	Connector, Flat
204	610904	0	Terminal
205	610905	0	Terminal