



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 32475	0	Cap, Valve spring (Rotator)
	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 33090A	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.)
	30 29574	0	Elbow, Exhaust (90°)
	31 33726	0	Plug, Oil fill (3/4-14 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

Ref #	Part Number	Qty	Description
41	31959	0	Baffle, Air
42	33095	0	Flange, Carburetor
43A	31960	0	Gasket, Carburetor
43	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

Ref #	Part Number	Qty	Description
96	28942	0	Screw
97	8274	0	Lockwasher
98	8274	0	Lockwasher
99	650595	0	Screw, Hex hd., 5/16-24 x 3/8
102	650595	0	Screw, Hex hd., 5/16-24 x 3/8
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
106A	650498	0	Screw, Pan hd. Sems, 1/4-28 x 1/2
107	32812	0	Bracket, Air cleaner
108A	32811	0	Bracket, Air cleaner
109A	32008	0	Element, Air cleaner
110	32810	0	Cover, Air cleaner
111	31481	0	Washer, Copper
120	27625	0	Plug, Oil filler
121	29673	0	Gasket, Filler plug
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
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



Ref #	Part Number	Qty	Description
103	27272	0	Gasket, Air cleaner
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