



Ref #	Part Number	Qty	Description
1	34915A		Cylinder (Incl. 2, 3 & 4) (2-5/8" Bore)
2	27652		Pin, Dowel
3	27642		Pipe plug, 1/4-18
4	32630		Seal, Oil
5	29536		Blower Housing Baffle (Without electric starter knockout) (Use as required)
5	35256A		Blower Housing Baffle (With electric starter knockout) (As req.)(point ign.)
6	650561		Screw, 1/4-20 x 5/8"
7	29538		Base, Engine mounting
8	650542		Screw, 5/16-18 x 3/4"
9	34886		Crankshaft
10	29783		Pin, Crankshaft gear (Used on early p rod.)
11	27884		Gear, Crankshaft (Used on early production) This gear is serviceable ONLY when it is pinned to the crankshaft.
12A	650625		Washer Thrust
12	31461		Bushing, Crankshaft
13A	31797B		Piston & Pin Ass'y. (Std.)(2-5/8')(Incl.14)
13A	31798B		Piston & Pin Ass'y. (.010" OS) (Incl. 14)
13A	31799B		Piston & Pin Ass'y. (.020" OS) (Incl. 14)
13	34503		Piston, Pin & Ring Set (Std.) (2-5/8" Bore)
13	34504		Piston, Pin & Ring Set (.010" OS)
13	34505		Piston, Pin & Ring Set (.020" OS)
14	27888		Ring, Piston pin retaining
15	34854		Ring Set (Std.) (2-5/8" Bore)
15	34855		Ring Set (.010" OS)
15	34856		Ring Set (.020" OS)
16	31380C		Rod Assy., Connecting (Incl. 17)
17	650662C		Bolt, Connecting rod (Incl. 2 pieces)
18	34034		Lifter, Valve
20	30622A		Extension, Blower housing
21	650128		Screw, 10-24 x 1/2"
22	650561		Screw, 1/4-20 x 5/8" (Use as required )
22	30063		Screw, 1/4-20 x 1/2" (Use as required )
23	30684		Gasket Cylinder Cover
24	31451A		Cylinder Cover (Incl.26, 34, 127A, 129 & 130)
26	28460		Seal, Oil
27	650451		Screw, 1/4-20 x 1"
28	650599		Screw, 1/4-20 x 1-1/2"
29	30699C		Rod Assy., Governor (Incl. 30 & 31)
30	30700		Yoke, Governor
31	650494		Screw, 6-40 x 5/16"
33	29642		Ring, Retaining
34	31845		Shaft, Mechanical governor
35	30588A		Spool, Governor
36	35479		Washer, Flat
37	29193		Ring, Retaining
38	30591		Gear Assy., Governor
39	31843A		Bracket, Governor gear
40	650836		Screw, 10-24 x 1/2"
41	32783		Intake Valve (Std.)
41	32784		Intake Valve (1/32" OS)
42	27878A		Exhaust Valve (Std.)

Ref #	Part Number	Qty	Description
42	27880A		Exhaust Valve (1/32" OS)
43	27882		Cap, Upper valve spring
44	27881		Spring, valve
45	32581		Cap, Lower valve spring
46	33876		Gasket, Stator
47	650489		Screw, 1/4-20 x 5/8"
48	35349		Ground Wire
49	32589		Key, Flywheel
51	28938C		Gasket, Cylinder head
52	30938A		Head, Cylinder
53	34251		Resistor Spark Plug (RJ-17LM)
54	610118		Cover, Spark plug (Use as required)
56	650697A		Screw, 5/16-18 x 2-1/2" (Use as required)
56	650694A		Screw, 5/16-18 x 2" (Use as required)
56	650695A		Screw, 5/16-18 x 2-1/4" (Use as required)
56B	650690		Washer, Belleville (Use as required)
56A	650691		Washer, Flat (Use as required)
57A	30322		Locknut, 8-32
57	29916		Clamp, Governor lever (Use as required)
58	33454		Lever Assy., Governor
59	29918		Washer, Lock, No. 8 E.T.
61	650548		Screw, 8-32 x 5/16"
62	29216		Locknut, 10-32
63	29826		Screw, 10-32 x 3/4"
65A	34661		Link, Governor
67A	34664		Control Bracket (Incl. 68, 69, 72 & 138)
68	31342		Spring, Compression
69	650549		Screw, 5-40 x 7/16"
70	27793		Clip, Conduit
71	28942		Screw, 10-32 x 3/8"
72	610973		Terminal Assy. (Use as required)
74	27896A		Gasket, Valve chamber cover
75	28423		Breather Assy., Valve
76	28424		Element, Breather
77	28425		Cover, Valve spring box
78	650128		Screw, 10-24 x 1/2"
79	35350		Tube, Breather
80	32446		Grommet, Breather tube
82	27915A		* Gasket, Intake pipe to cylinder
83	34712		Flange, Carburetor (Incl. 86A)
84	30196		Screw, 5/16-18 x 3/4"
85	31688A		* Gasket, Carburetor
86A	650517		Screw, 1/4-20 x 13/16"
87	27272A		* Air Cleaner Gasket (Use as required)
87	30767		Spacer, Cleaner (Use as required)
88	34783		Filter, Pre-air
89	34782		Filter, Air cleaner (Incl. 97)
90	34782		Pop Rivet (1/8" dia.) (Purchase locally)
91	34699		Bracket, Air cleaner
92	34698A		Gasket, Air cleaner
93	30675		Fitting, Breather
94A	34819		Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in 730561 assembly only)
94	34780		Elbow, Air cleaner
95	650163		Screw, 10-32 x 7/8"

Ref #	Part Number	Qty	Description
96	650826		Stud, 1/4-20 x 6.20, threaded both ends
97	650825		Nut & Lockwasher, 1/4-20
99	34781		Cover, Air cleaner
100	650513		Nut, Wing, 1/4-20
101	34158		Bracket, Fuel tank
102	650665		Screw, 1/4-14 x 7/8"
103	34159		Plate, Fuel tank mounting
104	34186A		Fuel Tank (Incl. 105 & 107) NOTE: These tanks were built with different size fuel inlet openings. Tanks with the 1-3/16" I.D. opening use fuel cap 33032 or 34210. Tanks with the 1-1/2" I.D. opening use fuel cap 35355.
105	410144B		Fuel Cap (White Plastic)(Std.)(As required)
105	33032		Fuel Cap (Red Plastic) (Spurt resistant, Low profile) (Use as required)
105	34210		Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as required)
105	35355		Fuel Cap (Red plastic) (Use as required)
106	29774		Fuel Line (Braided, 8 1/4") (Use as required)
106	30962		Fuel Line (Braided, 32") (Use as required)
107	26460		Clamp, Fuel line (Use as required)
108	32158E		Blower Housing (For electric starter)
109	29747B		Screw, 5/16-24 x 21/32"
110	27930A		* Gasket, Exhaust flange
111E	34390		Deflector, Exhaust (Optional)
111C	391026		Opt.Spark Arrest Muf.(Incl.143,143A,1 43B)
111	32401		Muffler
111D	33714		Opt.Spark Arrest Muf.(Incl.112,143,14 4,144A)
112	30196		Screw, 5/16-18 x 3/4"
113	26073		Washer, Flat
114	650694A		Screw, 5/16 - 18 x 2"
115	32125		Cup, Starter
116	35009		Screen, Starter cup
117	650815		Washer, Belleville
118	8116		Nut, Hex
119	29716		Screw, 1/4-28 x 7/16"
127	31793		Bearing, Ball
127A	31855		Retainer, Bearing
128	31792		Washer, Thrust
129	650778		Washer, Lock
130	650580		Nut, Lock
138	34663		Spring, Speed control
139	650821		Screw, 10-32 x 1/2"
140	30747		Clip, Spark plug shorting
141	650890		Lockwasher,Shakeproof, 5/16
143B	33185		Cover & tube, Muffler (Use as required)
143A	33171		Screen, Muffler (Use as required)
143	650578		Screw, 8-18 x 3/8" (Use as required)
144	33700		Cover & Tube, Muffler (Use as required)
144A	33323		Screen, Muffler (Use as required)
145	31297		Dipstick (Incl. 146A)
146A	29673		* Gasket, Oil fill
160	650760		Screw, 8-32 x 3/8"
161	28545		Grommet, Plastic

Ref #	Part Number	Qty	Description
161A	33356		Terminal, Ground
201	730164		Air Cleaner Ass'y. (Red Poly)(Incl.87,120,121,122,123,124 & 230)(As req.)
201	730164		Air Cleaner Kit, Mini bike (Incl.87,120,121,122,123 & 124) (Use as required)
201B	730561		Air Cleaner Kit (Incl.74,79,80,87,88,89,90,91,92,94,95,96,97,99,100 & 230C) (Used only on engine with an externally vented fully adjustable carburetor)
201A	730130		Muffler Adapter Kit (Incl.110,112)(As req.)
230	34346		Decal, Instruction
230A	34768		Decal, Name
230C	34704		Decal, Instruction
231	30547A		Breaker Assy (Used on Std. Point ignition)
231A	30548B		Condenser
232A	631021		Inlet, Needle Seat & Clip Assy.
240	611077		Alternator (Optional)
241	650868		Screw, 8-18 x 1-1/8" (3 required)(Opt .)
242	611078		Connector, A.C. Lighting (Optional)
242	611079		Connector, D.C. Charging (Optional)
243	590610		Tube, Centering (Optional)
244	590613		Alternator Shaft (Optional)
250	632213		Carburetor (Incl. 85) (Refer to Division 5, Section A, page 176 for breakdown)
251	611038		Magneto (Refer to Division 5, Section B, page 39 for breakdown)
252	590420A		Rewind Starter (Refer to Division 5, Section C, page 25 for breakdown)
254	33328D		Starter Motor Kit (110-120 volt) This 110-120 volt starter motor kit may have been added to this engine. It can be added only if cylinder has drilled and tapped starter mounting bosses and a ring gear flywheel (see#255). Refer to service number stamped on end cap of motor or on decal for identification
255	30811A		Flywheel (Ring gear flywheel required on engines using 110-120 volt starter motor kits listed above) (Used on Std. point ignition before 1982)
255	611042		Flywheel (Ring gear flywheel required on engines using 110-120 volt starter motor kits listed above) (Used on Std. point ignition 1982 or later)
255	611085		Flywheel (Minimum ring gear flywheel required on engines using 110-120 volt starter motor kits listed above) (Used on solid state external ignition)
256	33235A		Gasket Set (Incl. items marked*)