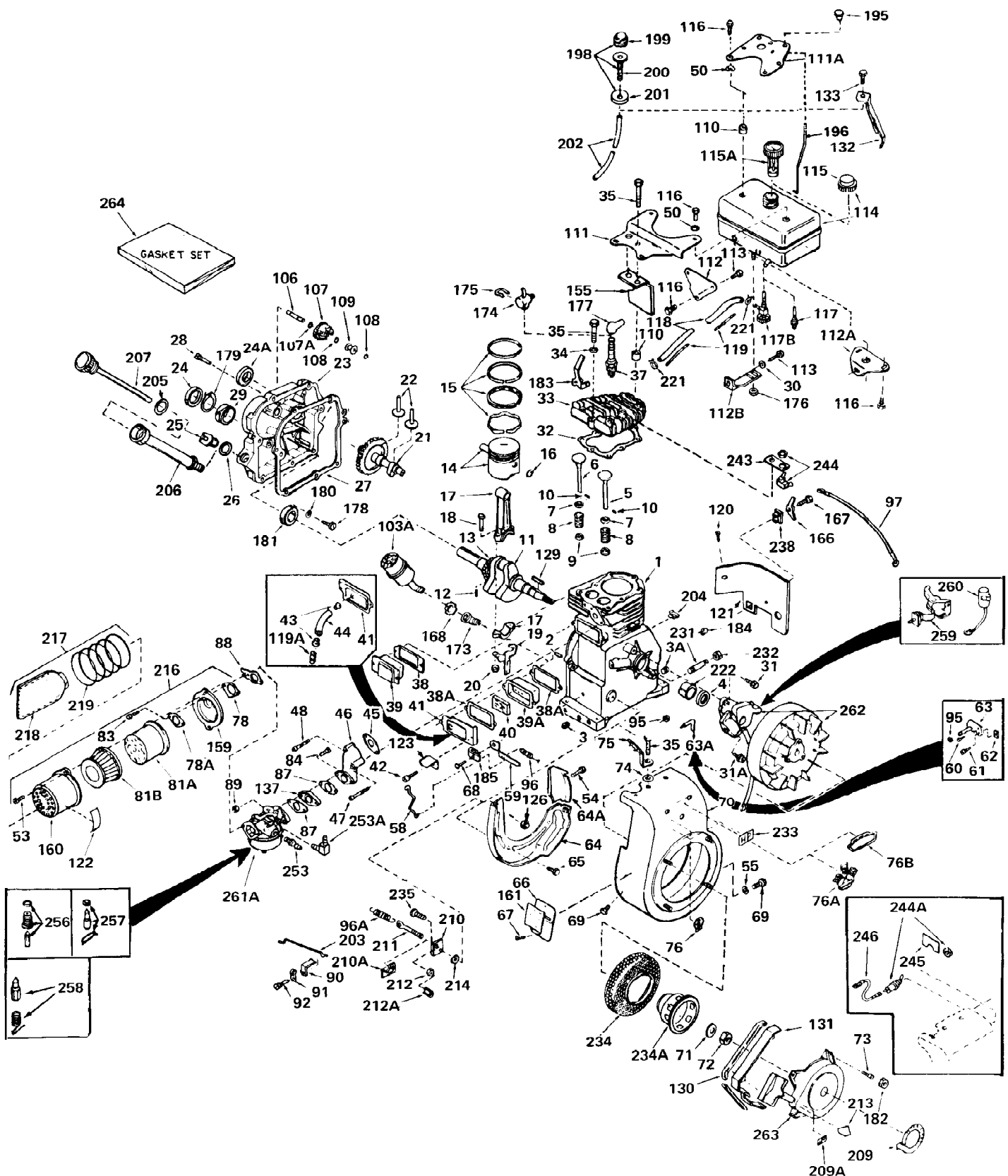


H25-25178H
Engine Parts List #1

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Ref #	Part Number	Qty	S/P/F	Description
1	33066	1	/P	"Cylinder Assy. (2-5/16" Bore)
2	26727	1		Pin, Dowel
3A	27642	1	/P	Plug, Oil drain (Square hd.) (1/4-18)
3	27642	1	/P	Plug, Oil drain (Square hd.) (1/4-18)
4	29183	1		Seal, Oil
5	29314A	1	S/P	Valve, Intake (Standard)
5	29315B	1	S/P	Valve, Intake (1/32" oversize)
6	29313B	1	S/P	Valve, Exhaust (Standard)
6	29315B	1	S/P	Valve, Exhaust (1/32" oversize)
7	31671	1		Cap, Upper valve spring
8	31672	1	/P	Spring, Valve
9	31673	1		Cap, Lower valve spring
11	30946	1	S/P	Crankshaft Assy.
12	29783	1	/P	Pin, Crankshaft gear
13	27613	1		Gear, Crankshaft
14	31761	1	S/P	Piston & Pin Assy. (Standard) (2-5/16 ")
14	32662	1	S/P	Piston & Pin Assy. (.010 oversize)
14	32663	1	S/P	Piston & Pin Assy. (.020 oversize)
15	27565	1	/P	Ring Set, Piston (Standard) (2-5/16")
15	27566	1	/P	Ring Set, Piston (.010 oversize)
15	27567	1	/P	Ring Set, Piston (.020 oversize)
16	20381	1		Ring, Piston pin retaining
17	30963B	1	/P	Rod Assy., Connecting
18	26706	1	/P	Bolt, Connecting rod
19	28594	1		Dipper, Oil
20	27573	1	/P	Nut, Connecting rod bolt
21	31317	1	S/P	Camshaft (No compression release)
22	27241	1		Lifter, valve
23	39041D	1		Cover, Cylinder
24	30256	1		Seal, Oil
25	27625	1	/P	Plug, Oil filler
26	29673	1		Gasket, Oil filler
27	27677	1	S	Gasket, Cylinder cover
28	30564	1	S/P	Screw
29	30981	1		Bushing, Crankshaft
30	650168	1		Washer, Flat
30	650675	1		Washer, Flat
31	650489	1		Screw
31A	650489	1		Screw
32	29953B	1	S/P	Gasket, Cylinder head
33	30579	1	S/P	Head, Cylinder
34	26073	1		Washer
35	6021	1	S/P	Head bolt, Hex hd. cap, 5/16-18 x 1-1 /4
35	650694	1	S/P	Head bolt, Hex hd. cap, 5/16-18 x 2
35	650695	1	S/P	Head bolt, Hex hd. cap, 5/16-18 x 2-1 /4
37	33636	1	/P	Plug, Spark (Champion J-8 or equivalent)
38	31619	1	S	Gasket, Breather
39	31337	1	S	Breather Assy.
40	31410	1	/P	Element, Breather
42	650128	1	/P	Screw
45	26754	1	S	Gasket, Intake pipe (1/32" thick)
46	28416	1	S/P	Pipe, Intake
47	650664	1	/P	Screw, Phil. fil. hd. Sems, 1/4-20 x 1-19/32

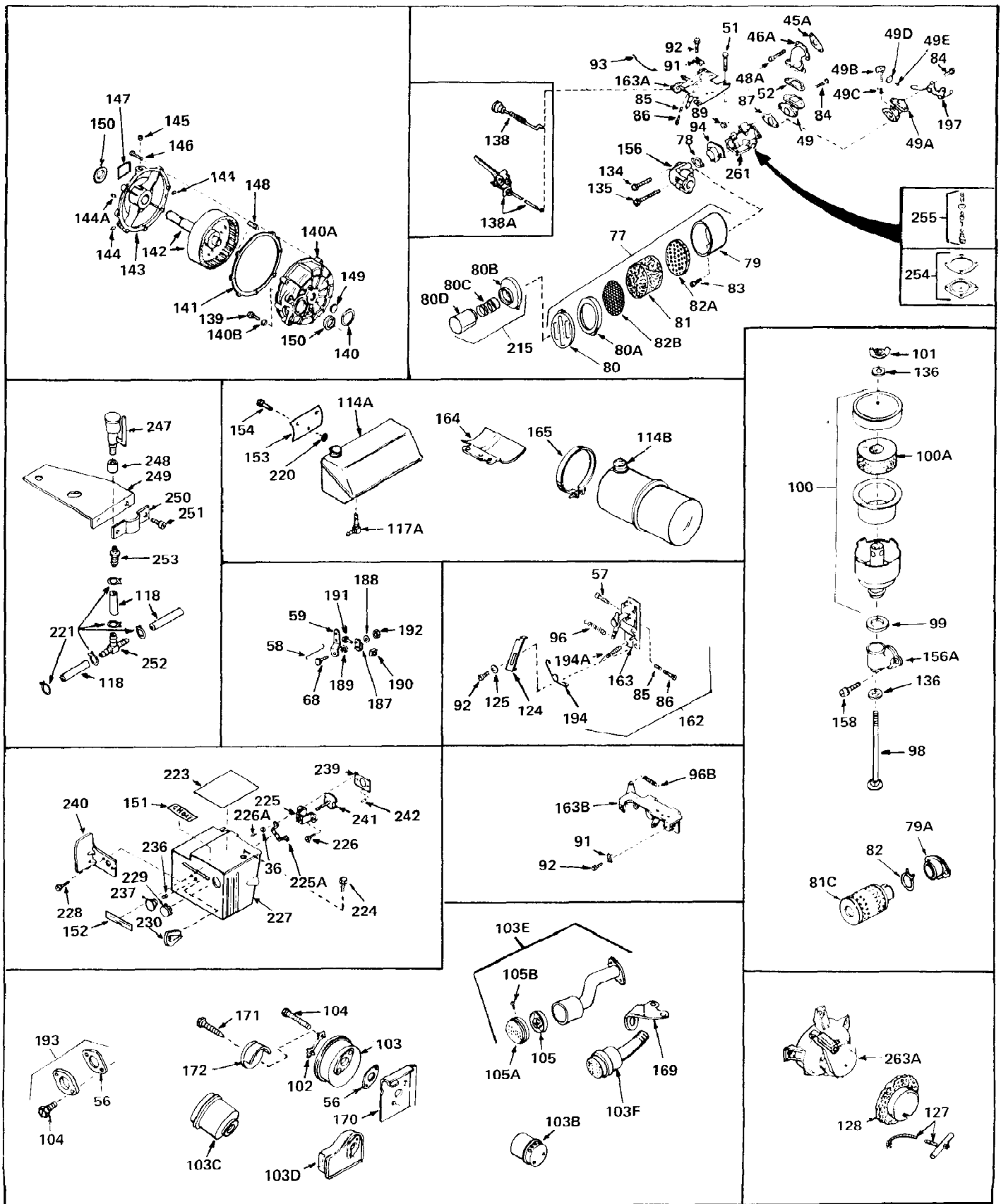
Ref #	Part Number	Qty	S/P/F	Description
48	30646	1	/P	Screw, Phil. fil. hd. Sems, 1/4-20 x 1-3/8
48	650517	1	/P	Screw, Fil. flex hd. self-locking, 1/ 4-20 x
48	650664	1	/P	Screw, Phil. fil. hd. Sems, 1/4-20 x 1-19/32
50	8303	1	S	Lockwasher, 1/4"
50	650708	1		Washer, Flat 5/16"
53	650152	1	/P	Screw, Fil. slotted hd. Sems, 8-32 x 3/8
53	650684	1		Screw, Fil. hd mach., 8-32 x 5/16
58	31858	1	S	Link, Throttle
59	31510	1	S	Lever, Governor
63A	31334	1		Rod, Governor
64	30658	1	/P	Baffle, Blower housing
65	30200	1	/P	Screw, Hex hd. self-tap Sems, 10-24 x 9/16
65	650561	1	/P	Screw, Phil. hex hd. Sems, 1/4-20 x 5 /8
66	31345	1		Plate, Identification
67	29309	1		Stud, Drive
68	650548	1	S	Screw
69	29212	1	S/P	Screw
70	30655A	1	/P	Housing, Blower
71	650490	1	S	Washer, Belleville
72	650607	1	/P	Nut, Flywheel
73	29716	1	/P	Screw, Phil. pan hd. Sems, 1/4-28 x 7 /16
74	16645	1	S	Lockwasher
75	30747	1	/P	Clip, Shorting
76	30596	1		Decal, Name & H.P. (2-1/4 H.P.)
76	30597	1	S/P	Decal, Name & H.P. (3 H.P.)
76	30612	1	S/P	Decal, Name & H.P. (3-1/2 H.P.)
76	30631	1	S	Decal, Name & H.P. (2-1/2 H.P.)
76	31328	1	S	Decal, Name & H.P. (4.0)
76A	33306	1	S	Decal, Mini-Bike (2-1/2 H.P.)
76A	33307	1	S	Decal, Mini-Bike (3 H.P.)
76A	33308	1	S	Decal, Mini-Bike (3-1/2 H.P.)
78	27272	1	S	Gasket, Air cleaner
78A	30767	1		Spacer, Cleaner
81B	30727	1	/P	Element, Air cleaner
83	650163	1	/P	Screw, Fil. hd. Sems, 10-32 x 3/4
83	650399	1	/P	Screw, Phil. fil. hd. Sems, 10-32 x 5 /8
83	650709	1		Screw, Rd. phil. hd., 10-32 x 7/16
83	28820	1	S/P	Screw, Phil. fil. hd. mach., Sems, 10 -32 x
84	6201	1	/P	Screw, Hex hd. cap, 1/4-28 x 7/8
84	6202	1	S	Screw, Hex hd. cap, 1/4-28 x 1
84	30564	1	S/P	Screw, Hex hd. cap, Sems, 1/4-20 x 1
84	650551	1		Screw, Hex hd. cap, 1/4-28 x 1-1/4
87	26756	1	/P	Gasket, Carburetor (1/32" thick)
89	29752	1	/P	Nut & Lockwasher
90	31432	1		Bracket, Speed limit
91	27793	1	/P	Clip, Conduit
92	28942	1	/P	Screw, Hex hd. slotted Sems, 10-32 x 3/8
95	28277	1		Washer, Flat
97	30831	1		Wire, Ground (Female fittings both en ds)
106	30574	1	S/P	Shaft, Mechanical governor
107A	30590A	1	/P	Washer, Flat
107	30591	1	/P	Gear Assy., Governor
108	29193	1		Ring, Retaining

Ref #	Part Number	Qty	S/P/F	Description
109	30588A	1	/P	Spool, Governor
110	28212	1	/P	Spacer
111	28371A	1	S/P	Bracket, Upper fuel tank
112A	32762	1		Bracket, Lower fuel tank
113	30688	1	S/P	Screw, Hex hd. cap, Sems, 1/4-20 x 1/2
113	650306	1		Screw, Hex hd. cap, 1/4-20 x 1/2
113	650561	1	/P	Screw, Phil. hex hd. Sems, 1/4-20 x 5/8
115	26027	1	/P	Cap, Fuel filler (Special bayonet type)
115	30998B	1	S/P	Cap, Fuel filler (Red Plastic) (Sno-p roof)
115	32387A	1	S/P	Cap, Fuel filler (Charcoal Plastic) (Spurt
115	33032	1	/P	Cap, Fuel filler (Red Plastic) (Spurt proof)
115	410144B	1	S/P	Cap, Fuel filler (Plastic) (Standard)
116	650556	1	/P	Screw, Hex slotted hd. Sems, 1/4-28 x 5/8
116	650665	1	/P	Screw, Hex hd. Sems, 1/4-14 x 7/8"
116	650697	1	S/P	Screw, Hex hd. cap, 5/16-18 x 2-1/2"
117	28837	1	S	Strainer & Fitting, Fuel
117B	29683	1	/P	Fitting & Shut-off
117B	32961	1	S	Valve, Fuel shut-off
118	29774	1	/P	Line, Fuel (Braided hose) (8.25")
118	30705	1	/P	Line, Fuel (Braided hose) (16")
118	30962	1	/P	Line, Fuel (Braided hose) (32")
119A	31778	1		Spring, Breather tube (1/4" Dia.)
119	28819	1	/P	Spring, Fuel line (11/64" Dia.)
120	650128	1	/P	Screw
121	29745	1	/P	Extension, Blower housing
122	31752	1	/P	Decal, Air cleaner
126	30322	1	/P	Locknut
129	27247	1	S/P	Key, Flywheel
130	32576	1		Seal, Snow guard
131	31680	1		Guard, Starter
132	31875	1		Baffle, Heat
133	28763	1	/P	Screw, Hex washer hd. thr'd., 10-24 x 1/2
137	31373	1		Spacer, Carburetor
159	31691	1		Bracket, Air cleaner
160	31715	1	/P	Body, Air cleaner
161	30586	1	S	Decal, Instruction
166	33356	1	/P	Terminal, Ground (Two male terminal tabs)
167	29117	1	/P	Screw, Hex hd. slotted thr'd, 8-32 x 5/16
167	30688	1	S/P	Screw, Hex hd. cap Sems, 1/4-20 x 1/2
167	650561	1	/P	Screw, Phil. hex hd. Sems, 1/4-20 x 5/8
167	650643	1	S/P	Screw, Phil. pan hd. thr'd, 8-18 x 3/8
168	27675	1		Nut, Conduit
176	650116	1		Nut
177	27276	1	/P	Cover, Spark plug
178	30200	1	/P	Screw, Hex hd. self-tap, Sems, 10-24 x 9/16
179	28539	1		Ring, Retaining (All ball bearing models)
180	28537	1	/P	Washer, Flat (All ball bearing models)
181	28458	1	/P	Bearing, Ball All ball bearing models except
183	31861	1	/P	Clip, Spark plug shorting
184	29443	1	/P	Clip, Fuel line
203	30865	1		Link, Bellcrank
204	27275	1	/P	Clip, Wire retaining
209A	32187	1		Decal, Super-start

Ref #	Part Number	Qty	S/P/F	Description
209	32179	1		Decal, Super-start (Round)
213	30595	1	/P	Decal, Ezee start
214	650518	1	/P	Lockwasher
216	730127	1		Cleaner Assy., Air
217	730512	1		Kit, Pre-cleaner
218	31668	1		Bag, Pre-cleaner
219	31667	1		Spring, Pre-cleaner
221	26460	1	/P	Clamp, Fuel line
222	30980	1		Bushing, Crankshaft
231	30968	1		Nipple, Oil drain (2-1/2")
231	32678	1		Nipple, Oil drain (3-1/2")
232	30969	1		Cap, Oil drain
233	28250	1		Decal, H.P. (3 H.P.)
233	30077	1	/P	Decal, H.P. (3-1/2 H.P.)
233	31427	1	/P	Decal, H.P. (2-1/2 H.P.)
234A	590416	1		Cup, Starter
234	590417	1		Screen, Starter cup
235	28942	1	/P	Screw, Hex hd. slotted Sems, 10-32 x 3/8
235	30200	1	/P	Screw, Hex hd. self-tap Sems, 10-24 x 9/16
238	28545	1		Grommet, Plastic (Use as required)
243	30879	1		Bracket, Toggle switch
244	610164	1	/P	Switch, Toggle (Use as required)
257	631021	1	S/P	Inlet Needle, Seat & Clip Assy.
259	30547A	1	/P	Contact Assy., Breaker
260	30548A	1	S/P	Condenser
261A	631070A	1	S	Carburetor (Incl. Nos. 58 & 87)
261A	631134	1	S	Carburetor
262	610690A	1		Magneto, Tecumseh
263	590420	1	S/P	Starter, Rewind
264	33233	1	S/P	Gasket Set

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Engine Parts List #2

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Ref #	Part Number	Qty	S/P/F	Description
36	8269	1		Lockwasher
45A	30188	1	S/P	Gasket, Intake pipe (1/8" thick)
48A	650451	1	/P	Screw, Fil. flex hd. self-locking, 1/ 4-20 x
51	650454	1	/P	Screw, Fil. flex hd. self-locking, 1/ 4-20 x
56	33170	1	S	Gasket, Exhaust
57	28942	1	/P	Screw, Hex hd. slotted Sems, 10-32 x 3/8
57	30091	1	S	Screw, Hex slotted washer hd. Sems, 8 -32 x
57	30200	1	/P	Screw, Hex hd. Sems, 10-24 x 9/16
58	31858	1	S	Link, Throttle
59	31510	1	S	Lever, Governor
68	650548	1	S	Screw
77	31545	1	/P	Cleaner Assy., Air
78	27272	1	S	Gasket, Air cleaner
80C	450150	1	/P	Spring, Pre-cleaner bag
80D	450124	1		Bag, Pre-cleaner
82A	29962	1	/P	Screen, Air cleaner
83	650163	1	/P	Screw, Fil. hd. Sems, 10-32 x 3/4
83	650399	1	/P	Screw, Phil. fil. hd. Sems, 10-32 x 5 /8
83	650709	1		Screw, Rd. phil. hd., 10-32 x 7/16
83	28820	1	S/P	Screw, Phil. fil. hd. mach., Sems, 10 -32 x
84	6201	1	/P	Screw, Hex hd. cap, 1/4-28 x 7/8
84	6202	1	S	Screw, Hex hd. cap, 1/4-28 x 1
84	30564	1	S/P	Screw, Hex hd. cap, Sems, 1/4-20 x 1
84	650551	1		Screw, Hex hd. cap, 1/4-28 x 1-1/4
85	28564	1		Spring, Compression
85	31342	1		Spring, Compression
85	32924	1		Spring, Compression
86	29500	1	/P	Screw, Slotted fil. hd. Sems, 8-32 x 3/4
86	650549	1	S	Screw, Fil. hd. mach., 5-40 x 7/16
86	650688	1		Screw, Hex hd., 10-32 x 1-5/16" (Drill led
87	26756	1	/P	Gasket, Carburetor (1/32" thick)
89	29752	1	/P	Nut & Lockwasher
91	27793	1	/P	Clip, Conduit
92	28942	1	/P	Screw, Hex hd. slotted Sems, 10-32 x 3/8
96B	31426	1		Spring, Extension
101	9577	1	S/P	Nut, Wing
102	30083	1		Plate, Muffler locking
103E	33126A	1	S/P	Muffler
103F	33288	1		Muffler
104	27182	1		Screw, Hex hd. cap, 1/4-20 x 2-3/8
104	650253	1	/P	Screw, Hex hd. cap, 1/4-20 x 2-1/4
104	650327	1	S/P	Screw, Fil slotted hd. Sems, 114-20 x 2-1/2
104	650493	1	/P	Screw, Hex hd. Sems, 1/4-20 x 1-3/4
104	650561	1	/P	Screw, Phil. hex hd. Sems, 1/4-20 x 5 /8
104	650599	1	/P	Screw, Hex hd. cap, Sems, 1/4-20 x 1- 1/2
104	650795	1		Screw, Hex hd. cap, 1/4-20 x 2-5/16
105A	33172	1		Cover, Muffler
105B	650578	1		Screw, Hex hd. self-tap, No. 8 x 3/8
105	33171	1		Screen, Muffler
117A	28584	1	/P	Elbow, Fuel fitting
118	29774	1	/P	Line, Fuel (Braided hose) (8.25")
118	30705	1	/P	Line, Fuel (Braided hose) (16")
118	30962	1	/P	Line, Fuel (Braided hose) (32")

Ref #	Part Number	Qty	S/P/F	Description
134	650163	1	/P	Screw, Fil. slotted hd. Sems, 10-32 x 3/4
135	650520	1	/P	Screw, Fil. hd. cross-recessed reach. , 10-32
135	650544	1	/P	Screw, Pan flex hd., 10-24 x 7/8
136	27183	1	/P	Washer, Fibre
136	31905	1		Washer, Paper
138	30985	1	/P	Control, Throttle
138A	24522	1	/P	Control, Throttle
139	28454	1		Screw
140B	8274	1	/P	Lockwasher
140	28451	1		Gasket, Reducer housing
140A	30516	1	/P	Housing, Reducer
141	30517A	1	/P	Gasket, Housing
143	30518	1	/P	Cover, Housing (All 6:1 gear reduction)
144	9556	1	S/P	Plug, Pipe (All 6:1 gear reduction models)
145	24590	1		Plug, Pipe
146	30564	1	S/P	Screw
148	32714	1		Pin, Shaft & Gear (All 6:1 gear reduction)
149	28508	1		Plug, Expansion (All 6:1 gear reduction)
150	30256	1		Seal, Oil (All 6:1 gear reduction models)
154	650561	1	/P	Screw, Phil. hex hd. Sems, 1/4-20 x 5/8
158	650163	1	/P	Screw, Fil. slotted hd. Sems, 10-32 x 3/4
162	730136A	1	/P	Control Assy., Mini Bike Speed
163	33282	1		Bracket Assy., Speed control
169	33127	1		Bracket, Muffler
170	31874	1		Baffle, Heat
171	650665	1	/P	Screw, Hex hd. Sems, 1/4-14 x 7/8
172	30997	1		Cover, Muffler
187	29916	1		Clamp, Governor lever
188	29642	1		Ring, Retainer
189	29918	1		Lockwasher
190	29216	1		Nut
191	29826	1	/P	Screw
192	30322	1	/P	Nut
193	730162	1		Kit, Exhaust adapter
194	32923	1		Spring, Torsion
215	730510	1		Kit, Pre-cleaner
220	31266	1		Spacer, Strip
221	26460	1	/P	Clamp, Fuel line
224	650687	1	S	Screw, Phil. pan hd. self-tap, 10-32 x 5/16
228	650257	1	/P	Screw, Phil. pan hd. Sems, 8-32 x 5/16
229	31291	1		Plug, Cover (Use as required)
230	32410	1	/P	Knob, Control (Use as required)
236	32399	1		Spring, Primer knob
237	32400	1	/P	Knob, Primer (Use as required)
241	32397	1		Plate Assy., Choke (Use as required)
242	650571	1		Screw, Flat trim hd. mach. , 10-32 x 7/16
260	30548A	1	S/P	Condenser