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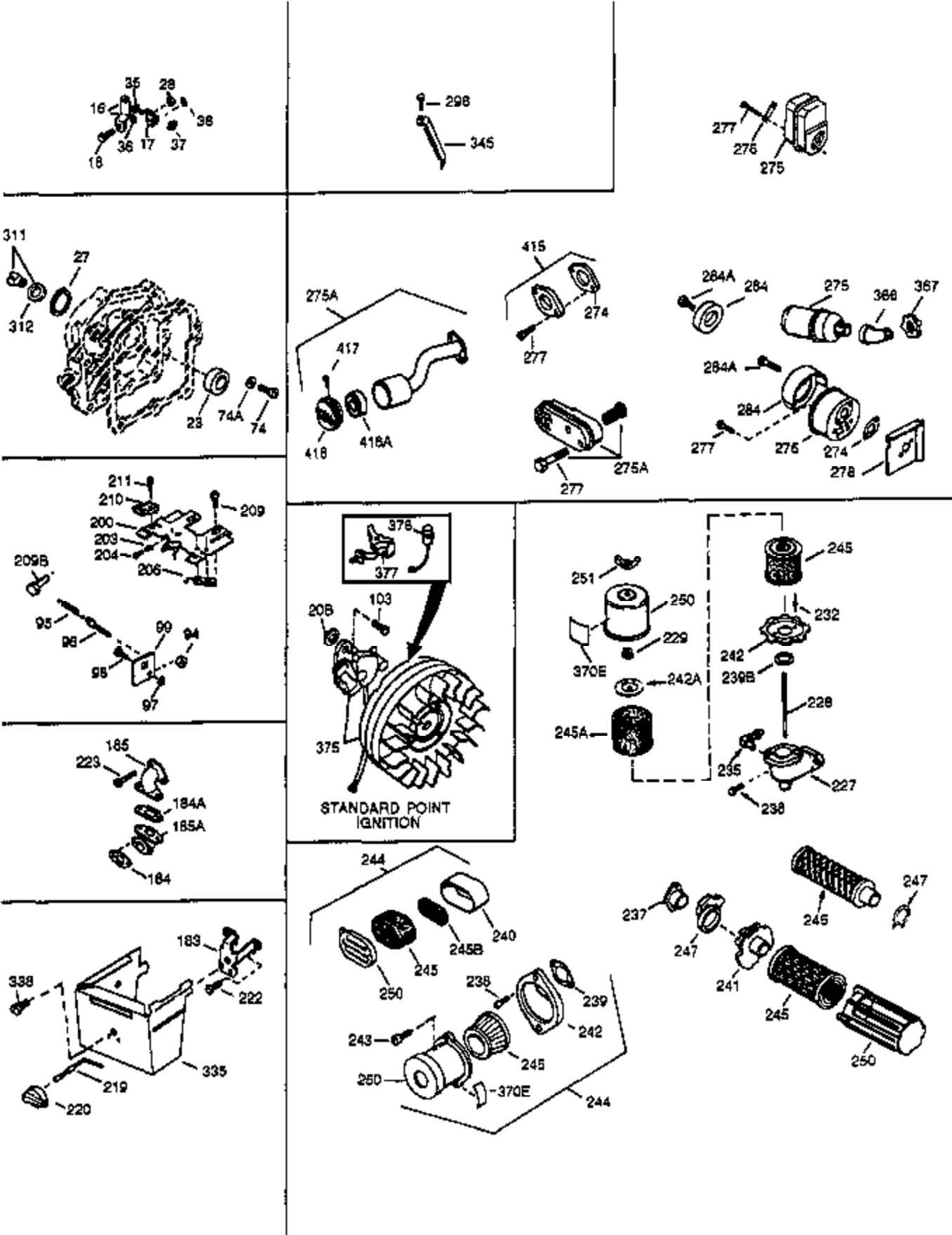
Engine Parts List #1

Ref #	Part Number	Qty	Description
1A	34836		Bushing, Cylinder
1	35069A		Cylinder (Cl liner)(Incl.1A,2,3 & 6)(2-1/2")
2	26727		Pin, Dowel
3	27642		Pipe plug, 1/4-18
6	32600		Seal, Oil
7	29314B		Intake Valve (Std.) (Incl. 11)
7	29315C		Intake Valve (1/32" OS) (Incl. 11)
8	29313C		Exhaust Valve (Std.) (Incl. 11)
8	34776		Exhaust Valve (Std.) (Incl. 11)
8	34777		Exhaust Valve (1/32" OS) (Incl. 11)
9	31671		Valve Spring Cap (Used in early produ ction)
10	31672		Spring, Valve
11	31673		Valve Spring Cap
12	35121		Crankshaft (Incl. 23)
14	34514		Piston, Pin & Ring Set (Std.) (2-1/2" Bore)
14	34515		Piston, Pin & Ring Set (.010" OS)
14	34516		Piston, Pin & Ring Set (.020" OS)
14A	32538B		Piston & Pin Ass'y.(Std.)(2-1/2")(Incl.16)
14A	32548B		Piston & Pin Ass'y. (.010" OS) (Incl. 16)
14A	32549B		Piston & Pin Ass'y. (.020" OS) (Incl. 16)
15	28986		Ring Set (Std.) (2-1/2" Bore)
15	28987		Ring Set (.010" OS)
15	28988		Ring Set (.020" OS)
16	20381		Ring, Piston retaining
17	32875		Rod Assy., Connecting (Incl. 18 & 19)
18	32654		Dipper, Oil
19	32610A		Bolt, Connecting rod
20	32197A		Camshaft (MCR)
21	27241		Lifter, Valve
22	30756B		Cover, Cylinder (Incl. 23, 26, 28 & 3 4) (BB)
24	27677A		* Gasket, Cylinder cover
25	650488		Screw, 1/4-20 x 1-1/4"
26	27625		Plug, Oil fill (Incl. 28)
34	30574		Shaft, Mechanical governor
39	29953C		* Gasket, Cylinder head
40	30579A		Head, Cylinder (Incl. 41A)
41	650695A		Screw, 5/16-18 x 2-1/4" (Use as requ ired)
41	6021A		Screw, 5/16-18 x 1-1/2" (Use as requi red)
41	650865		Screw, 5/16-18 x 2" (Use as required)
41A	650694A		Screw, 5/16-18 x 2" (Use as required)
42	33636		Resistor Spark Plug (J-8C)
43	33344		Baffle, Heat
44	27234A		* Gasket, Valve spring cover (Two requi red)
45	27666		Breather Body & valve assy.
46	31410		Element, Breather
47	34146		Cover, Valve spring
48	32446		Grommet, Breather tube
49	32447		Tube, Breather
50	650128		Screw, 10-24 x 1/2"
51	26754A		* Gasket, Intake to cylinder
52	28416A		Pipe, Intake (Incl. 54)
53	650664		Screw, 1/4-20 x 1-19/32"
54	650840		Screw, 1/4-20 x 1-7/32"
55	6201		Screw, 1/4-28 x 7/8"
56	26756		* Gasket, Carburetor to intake
56A	27272A		* Gasket, Carburetor to air cleaner
57	29752		Nut & Lockwasher Assy., 1/4-28

Ref #	Part Number	Qty	Description
58B	31545		Air Cleaner Ass'y. (Incl. 56A, 59A, 60A, 61 & 62) (Use as required)
58A	730127		Air Cleaner Ass'y. (Incl. 56A, 58, 59, 60, 66, 67 & 170) (Use as required)
58A	730164		Air Cleaner Ass'y. (Incl. 56A, 58, 59, 60, 66, 67 & 170A) (Use as required)
69A	730162		Kit, Exhaust adapter (Incl. 69 & 77B) (Use as required) (Not for use on PTO side exhaust)
70	391017		Muffler (Incl. 77B)
77B	650795		Screw, 1/4-20 x 2-1/4"
79	31858		Link, Throttle
80	31510		Lever, Governor
81	31335		Clamp, Governor lever
82	650548		Screw, 8-32 x 5/16"
87	33858A		Control Bracket (Incl. 88, 89, 100, 101 & 157) NOTE: In original production the speed control assembly is riveted to the blower housing baffle (Ref. #107). Replacement speed control assembly includes screws (Ref. #101) and nuts (Ref. #100) for mounting.
88	31342		Spring, Compression
89	650549		Screw, 5-40 x 7/16"
92	31426		Spring, Extension
100	30322		Locknut, 8-32 (Use as required)
101	650139		Screw, 8-32 x 1/2" (Use as required)
101	650152		Screw, 8-32 x 3/8" (Use as required)
101	30200		Screw, 10-24 x 9/16" (Use as required)
105	28277		Washer, Flat
106	31334		Rod, Governor
107	33342		Baffle, Blower housing
108A	650701		Screw, 8-18 x 7/16"
108	650561		Screw, 1/4-20 x 5/8"
109	33341		Baffle, Extension
111	34080		Spacer, Flywheel key
112	34443A		Solid State Ass'y.
113	650872		Stud, Solid State mounting
114	650814		Screw, Torx T-15, 10-24 x 1"
115	610961		Flywheel key
116	610118		Cover, Spark plug (Use as required)
117	35182		Ground Wire Ass'y.
118	611080		Flywheel
119	33663C		Housing, Blower NOTE: In original production, the starter may be riveted to the blower housing. If the starter or blower housing needs replacement, the other may need holes used for pop riveting enlarged to use standard mounting hardware. Order 4 nuts (#29752) required to mount starter to replacement.
122	29212		Screw, 1/4-28 x 7/16"
123	650168		Washer
124	650890		Lockwasher, 5/16
125	30747		Clip, Spark plug shorting
130	35185		Screen, Starter
131	34694		Cup, Starter
132	650815		Washer, Belleville
136B	29752		Nut & Lockwasher Assy., 1/4-28
137	650128		Screw, 10-24 x 1/2"
138	29745		Extension, Blower housing

Ref #	Part Number	Qty	Description
139	34212		Bracket, Hold down
140	30200		Screw, 10-24 x 9/16"
141	34156A		Fuel Tank (Incl. 142 & 156) 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.
142	33032		Cap, Fuel filler (Use as required)
142	410144B		Cap, Fuel filler (Std.) (Use as required)
143	34183A		Plate, Fuel tank mounting
144	34182		Fuel Tank Bracket
145	650561		Screw, 1/4-20 x 5/8"
146	650665		Screw, 1/4-15 x 7/8"
147	28212		Spacer, Tank bracket (Not used in all models)
150	650691		Washer, Flat
155	29774		Fuel Line (Braided, 8-1/4") (Use as required)
155	30705		Fuel Line (Braided, 16") (Use as required)
156	26460		Clamp, Fuel line (Use as required)
157	610973		Terminal Ass'y. (Use as required)
161	34594		Rod, Choke
163C	34870		Decal, Instruction (Optional)
163B	32204		Bracket, Starter air cleaner (Optional)
163	730571		Str.Muff Kit(Incl.163A,163B,163C)(Opt.)
163A	32203		Air Cleaner, Starter (Optional)
167	34783		Filter, Pre-air
168	34782		Element Assy., Air cleaner (Incl. 176)
169			Pop Rivet (1/8" dia.) (Purchase locally)
170	34699		Bracket, Air cleaner
171	34698A		Gasket, Air cleaner elbow
172	30675		Fitting, Breather
173	35071		Elbow Assy., Air cleaner (Incl.170,171,175)
173	31431		Elbow, Air cleaner
174	650163		Screw, 10-32 x 7/8"
175	650826		Stud, 1/4-20
176	650825		Nut & Lockwasher, 1/4-20
177	34701		Bracket, Air cleaner
178	34781		Cover, Air cleaner
190F	35344		Decal, Instruction
190C	34346		Decal, Instruction
190A	34704		Decal, Air cleaner
194A	631021		Inlet Needle Seat & Clip Assy.
195A	632229		Carburetor (Incl. 56) (Refer to Division 5, Section A, page 182 for breakdown)
197	590420		Starter, Rewind In original production, the starter may be riveted to the blowerhousing. If the starter or blower housing needs replacement, the other may need holes used for pop riveting enlarged to use standard mounting hardware. Order 4 nuts (29752) required to mount starter to replacement blower
198A	33290D		Electric Starter Motor (120 volt) This 120-Volt starter motor kit can be used on those models equipped with electric starter provisions. Refer to Division 5, Section D, Page 16 for breakdown.
200	33233A		* Gasket Set (Incl. items marked *)

ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY OEM,

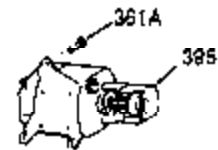
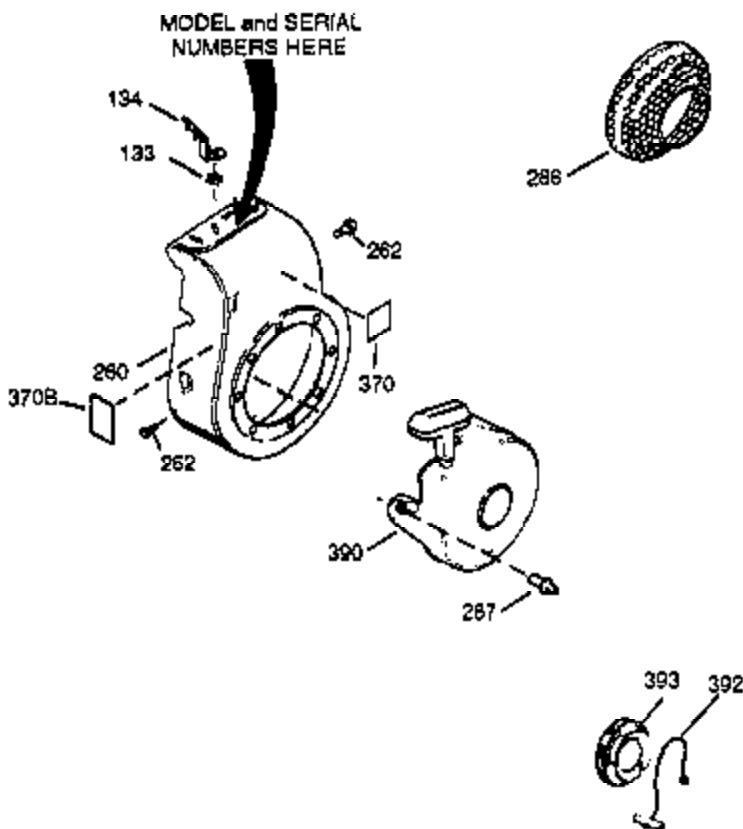
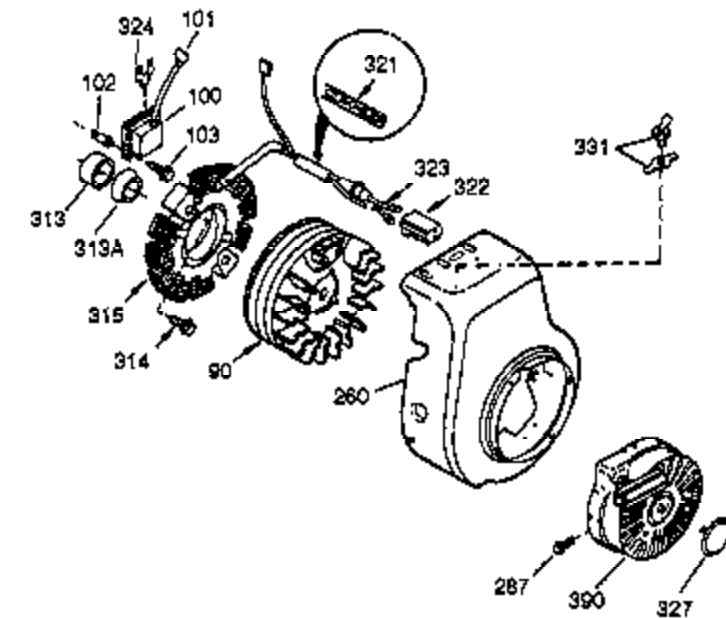


Ref #	Part Number	Qty	Description
1A	34836		Bushing, Cylinder
3	27642		Pipe plug, 1/4-18
6	32600		Seal, Oil
7	29314B		Intake Valve (Std.) (Incl. 11)
7	29315C		Intake Valve (1/32" OS) (Incl. 11)
8	29313C		Exhaust Valve (Std.) (Incl. 11)
8	34776		Exhaust Valve (Std.) (Incl. 11)
8	34777		Exhaust Valve (1/32" OS) (Incl. 11)
9	31671		Valve Spring Cap (Used in early production)
10	31672		Spring, Valve
11	31673		Valve Spring Cap
12	35121		Crankshaft (Incl. 23)
14A	32538B		Piston & Pin Ass'y.(Std.)(2-1/2")(Incl. 16)
14A	32548B		Piston & Pin Ass'y. (.010" OS) (Incl. 16)
14A	32549B		Piston & Pin Ass'y. (.020" OS) (Incl. 16)
16	20381		Ring, Piston retaining
17	32875		Rod Assy., Connecting (Incl. 18 & 19)
18	32654		Dipper, Oil
21	27241		Lifter, Valve
22	30756B		Cover, Cylinder (Incl. 23, 26, 28 & 34) (BB)
23	28540		Seal, Oil
24	27677A		* Gasket, Cylinder cover
28	29673		* Gasket, Oil fill plug
34	30574		Shaft, Mechanical governor
35	35479		Washer, Flat
36	30591		Gear Assy., Governor (Incl. 35)
37	29193		Ring, Retaining
38	30588A		Spool, Governor
39	29953C		* Gasket, Cylinder head
41A	650694A		Screw, 5/16-18 x 2" (Use as required)
44	27234A		* Gasket, Valve spring cover (Two required)
47	34146		Cover, Valve spring
51	26754A		* Gasket, Intake to cylinder
52	28416A		Pipe, Intake (Incl. 54)
53	650664		Screw, 1/4-20 x 1-19/32"
54	650840		Screw, 1/4-20 x 1-7/32"
55	6201		Screw, 1/4-28 x 7/8"
56	26756		* Gasket, Carburetor to intake
56A	27272A		* Gasket, Carburetor to air cleaner
57	29752		Nut & Lockwasher Assy., 1/4-28
58A	730127		Air Cleaner Ass'y. (Incl. 56A, 58, 59, 60, 66, 67 & 170) (Use as required)
58A	730164		Air Cleaner Ass'y. (Incl. 56A, 58, 59, 60, 66, 67 & 170A) (Use as required)
58B	31545		Air Cleaner Ass'y. (Incl. 56A, 59A, 60A, 61 & 62) (Use as required)
69A	730162		Kit, Exhaust adapter (Incl. 69 & 77B) (Use as required) (Not for use on PTO side exhaust)
77B	650795		Screw, 1/4-20 x 2-1/4"
79	31858		Link, Throttle
87	33858A		Control Bracket (Incl. 88, 89, 100, 101 & 157) NOTE: In original production the speed control assembly is riveted to the blower housing baffle (Ref. #107). Replacement speed control assembly includes screws (Ref. #101) and nuts (Ref. #100) for mounting.

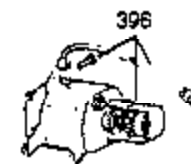
Ref #	Part Number	Qty	Description
88	31342		Spring, Compression
98	33857		Spring Assy., Extension (Incl. 98A)
105	28277		Washer, Flat
106	31334		Rod, Governor
107	33342		Baffle, Blower housing
108	650561		Screw, 1/4-20 x 5/8"
108A	650701		Screw, 8-18 x 7/16"
109	33341		Baffle, Extension
111	34080		Spacer, Flywheel key
112	34443A		Solid State Ass'y.
113	650872		Stud, Solid State mounting
114	650814		Screw, Torx T-15, 10-24 x 1"
115	610961		Flywheel key
116	610118		Cover, Spark plug (Use as required)
117	35182		Ground Wire Ass'y.
122	29212		Screw, 1/4-28 x 7/16"
123	650168		Washer
124	650890		Lockwasher, 5/16
131	34694		Cup, Starter
136B	29752		Nut & Lockwasher Assy., 1/4-28
138	29745		Extension, Blower housing
139	34212		Bracket, Hold down
140	30200		Screw, 10-24 x 9/16"
141	34156A		Fuel Tank (Incl. 142 & 156) 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.
142	33032		Cap, Fuel filler (Use as required)
142	410144B		Cap, Fuel filler (Std.) (Use as required)
143	34183A		Plate, Fuel tank mounting
144	34182		Fuel Tank Bracket
145	650561		Screw, 1/4-20 x 5/8"
146	650665		Screw, 1/4-15 x 7/8"
147	28212		Spacer, Tank bracket (Not used in all models)
155	29774		Fuel Line (Braided, 8-1/4") (Use as required)
155	30705		Fuel Line (Braided, 16") (Use as required)
156	26460		Clamp, Fuel line (Use as required)
157	610973		Terminal Ass'y. (Use as required)
161	34594		Rod, Choke
163A	32203		Air Cleaner, Starter (Optional)
163B	32204		Bracket, Starter air cleaner (Optional)
163	730571		Str.Muff Kit(Incl.163A,163B,163C)(Opt.)
163C	34870		Decal, Instruction (Optional)
167	34783		Filter, Pre-air
168	34782		Element Assy., Air cleaner (Incl. 176)
175	650826		Stud, 1/4-20
176	650825		Nut & Lockwasher, 1/4-20
177	34701		Bracket, Air cleaner
190A	34704		Decal, Air cleaner
190C	34346		Decal, Instruction
190F	35344		Decal, Instruction
194A	631021		Inlet Needle Seat & Clip Assy.
195A	632229		Carburetor (Incl. 56) (Refer to Division 5, Section A, page 182 for breakdown)

Ref #	Part Number	Qty	Description
197	590420		Starter, Rewind In original production, the starter may be riveted to the blowerhousing. If the starter or blower housing needs replacement, the other may need holes used for pop riveting enlarged to use standard mounting hardware. Order 4 nuts (29752) required to mount starter to replacement blower
198A	33290D		Electric Starter Motor (120 volt) This 120-Volt starter motor kit can be used on those models equipped with electric starter provisions. Refer to Division 5, Section D, Page 16 for breakdown.
200	33233A		* Gasket Set (Incl. items marked *)

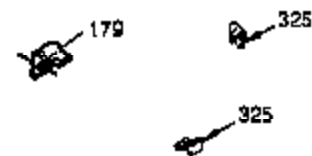
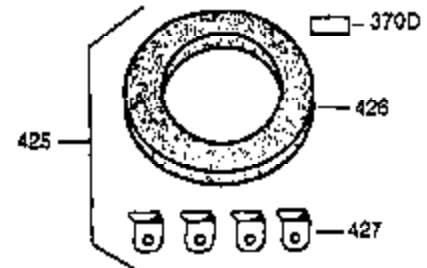
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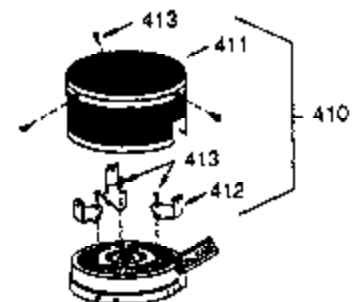
OPTIONAL 110 - 120 VOLT
STARTER MOTOR KIT



STARTER MUFF KIT
(OPTIONAL)



OPTIONAL
DEBRIS SCREEN KIT



Ref #	Part Number	Qty	Description
1A	34836		Bushing, Cylinder
3	27642		Pipe plug, 1/4-18
6	32600		Seal, Oil
7	29314B		Intake Valve (Std.) (Incl. 11)
7	29315C		Intake Valve (1/32" OS) (Incl. 11)
8	29313C		Exhaust Valve (Std.) (Incl. 11)
8	34776		Exhaust Valve (Std.) (Incl. 11)
8	34777		Exhaust Valve (1/32" OS) (Incl. 11)
9	31671		Valve Spring Cap (Used in early produ ction)
10	31672		Spring, Valve
11	31673		Valve Spring Cap
12	35121		Crankshaft (Incl. 23)
14A	32538B		Piston & Pin Ass'y.(Std.)(2-1/2")(Inc l.16)
14A	32548B		Piston & Pin Ass'y. (.010" OS) (Incl. 16)
14A	32549B		Piston & Pin Ass'y. (.020" OS) (Incl. 16)
21	27241		Lifter, Valve
22	30756B		Cover, Cylinder (Incl. 23, 26, 28 & 3 4) (BB)
24	27677A		* Gasket, Cylinder cover
34	30574		Shaft, Mechanical governor
39	29953C		* Gasket, Cylinder head
41A	650694A		Screw, 5/16-18 x 2" (Use as required)
44	27234A		* Gasket, Valve spring cover (Two requi red)
47	34146		Cover, Valve spring
51	26754A		* Gasket, Intake to cylinder
52	28416A		Pipe, Intake (Incl. 54)
53	650664		Screw, 1/4-20 x 1-19/32"
54	650840		Screw, 1/4-20 x 1-7/32"
55	6201		Screw, 1/4-28 x 7/8"
56	26756		* Gasket, Carburetor to intake
56A	27272A		* Gasket, Carburetor to air cleaner
57	29752		Nut & Lockwasher Assy., 1/4-28
58A	730127		Air Cleaner Ass'y. (Incl.56A, 58, 59, 60, 66, 67 & 170) (Use as required)
58A	730164		Air Cleaner Ass'y. (Incl. 56A, 58, 59, 60, 66, 67 & 170A) (Use as required)
58B	31545		Air Cleaner Ass'y. (Incl. 56A, 59A, 60A, 61 & 62) (Use as required)
69A	730162		Kit, Exhaust adapter (Incl. 69 & 77B) (Use as required) (Not for use on PTO side exhaust)
77B	650795		Screw, 1/4-20 x 2-1/4"
79	31858		Link, Throttle
87	33858A		Control Bracket (Incl.88,89,100,101 & 157) NOTE: In original production the speed control assembly is riveted to the blower housing baffle (Ref. #107). Replacement speed control assembly includes screws (Ref. #101)and nuts (Ref. #100) for mounting.
88	31342		Spring, Compression
100	30322		Locknut, 8-32 (Use as required)
101	650139		Screw, 8-32 x 1/2" (Use as required)
101	650152		Screw, 8-32 x 3/8" (Use as required)
101	30200		Screw, 10-24 x 9/16" (Use as required)
105	28277		Washer, Flat
106	31334		Rod, Governor
107	33342		Baffle, Blower housing
108A	650701		Screw, 8-18 x 7/16"

Ref #	Part Number	Qty	Description
108	650561		Screw, 1/4-20 x 5/8"
109	33341		Baffle, Extension
111	34080		Spacer, Flywheel key
112	34443A		Solid State Ass'y.
113	650872		Stud, Solid State mounting
114	650814		Screw, Torx T-15, 10-24 x 1"
115	610961		Flywheel key
116	610118		Cover, Spark plug (Use as required)
117	35182		Ground Wire Ass'y.
122	29212		Screw, 1/4-28 x 7/16"
123	650168		Washer
124	650890		Lockwasher, 5/16
131	34694		Cup, Starter
133	650816		Nut, Flywheel
136B	29752		Nut & Lockwasher Assy., 1/4-28
138	29745		Extension, Blower housing
139	34212		Bracket, Hold down
140	30200		Screw, 10-24 x 9/16"
141	34156A		Fuel Tank (Incl. 142 & 156) 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.
142	33032		Cap, Fuel filler (Use as required)
142	410144B		Cap, Fuel filler (Std.) (Use as required)
143	34183A		Plate, Fuel tank mounting
144	34182		Fuel Tank Bracket
145	650561		Screw, 1/4-20 x 5/8"
146	650665		Screw, 1/4-15 x 7/8"
147	28212		Spacer, Tank bracket (Not used in all models)
155	29774		Fuel Line (Braided, 8-1/4") (Use as required)
155	30705		Fuel Line (Braided, 16") (Use as required)
156	26460		Clamp, Fuel line (Use as required)
157	610973		Terminal Ass'y. (Use as required)
161	34594		Rod, Choke
163	730571		Str.Muff Kit(Incl.163A,163B,163C)(Opt .)
163A	32203		Air Cleaner, Starter (Optional)
163C	34870		Decal, Instruction (Optional)
163B	32204		Bracket, Starter air cleaner (Optional)
167	34783		Filter, Pre-air
168	34782		Element Assy., Air cleaner (Incl. 176)
175	650826		Stud, 1/4-20
176	650825		Nut & Lockwasher, 1/4-20
177	34701		Bracket, Air cleaner
179	650513		Nut, Wing, 1/4-20
190F	35344		Decal, Instruction
190A	34704		Decal, Air cleaner
190C	34346		Decal, Instruction
194A	631021		Inlet Needle Seat & Clip Assy.
195A	632229		Carburetor (Incl. 56) (Refer to Division 5, Section A, page 182 for breakdown)
197	590420		Starter, Rewind In original production, the starter may be riveted to the blowerhousing. If the starter or blower housing needs replacement, the other may need holes used for pop riveting enlarged to use standard mounting hardware. Order 4 nuts (29752) required to mount starter to replacement blower

Ref #	Part Number	Qty	Description
198A	33290D		Electric Starter Motor (120 volt) This 120-Volt starter motor kit can be used on those models equipped with electric starter provisions. Refer to Division 5, Section D, Page 16 for breakdown.