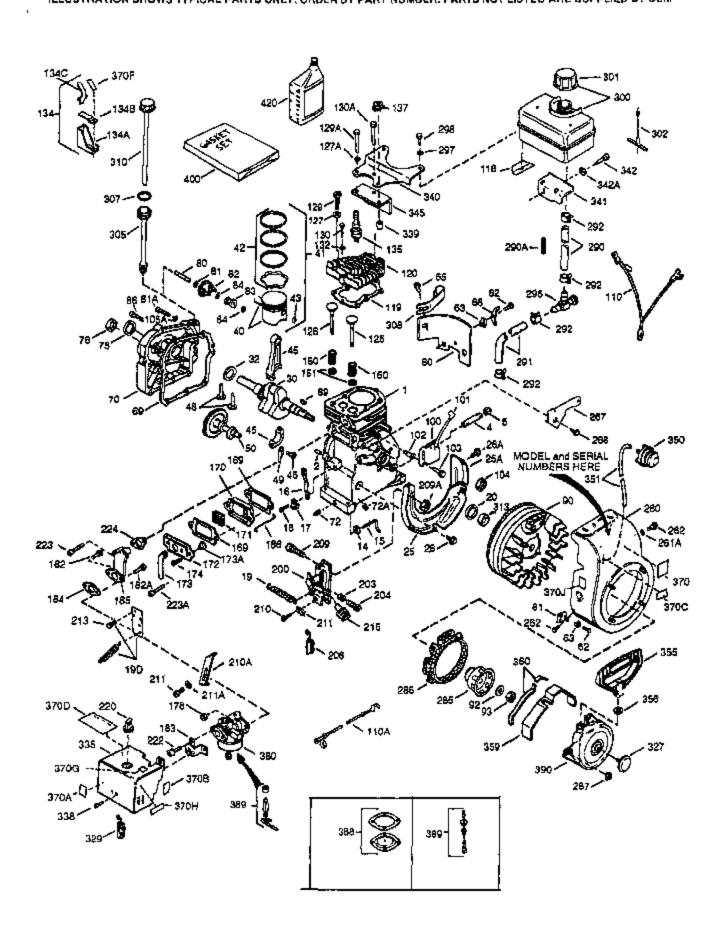
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY DEM

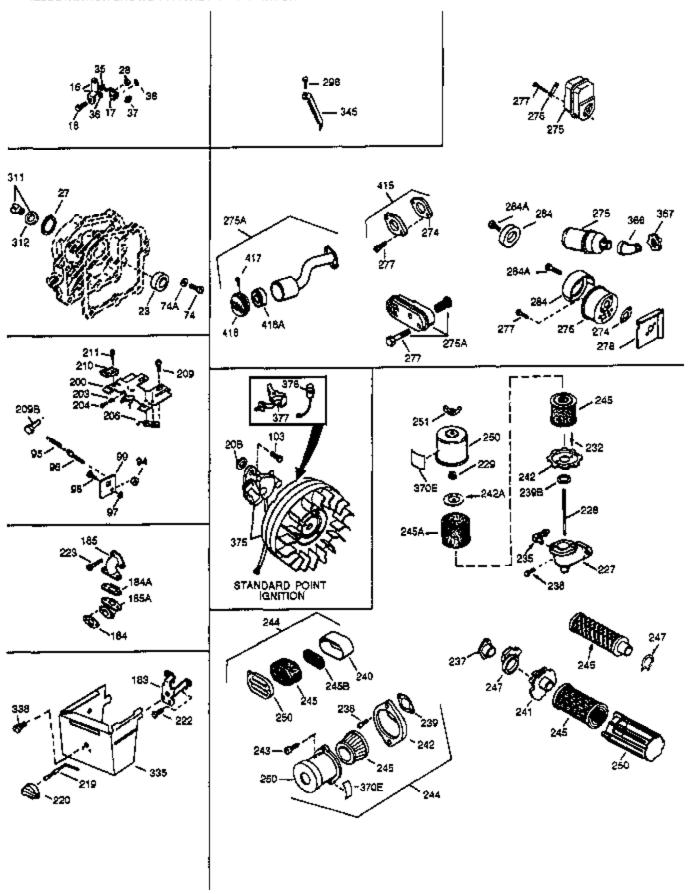


	Part Number	Qty	Description
	35094A		Cylinder (CI liner)(Incl.1A,2,3 & 6)(2-1/2")
	34836		Bushing, Cylinder
	26727		Pin, Dowel
	27642		Pipe plug, 1/4-18
	32600		Seal, Oil
	29314B		Intake Valve (Std.) (Incl. 11)
	29315C		Intake Valve (1/32" OS) (Incl. 11)
	29313C		Exhaust Valve (Std.) (Incl. 11)
	34776		Exhaust Valve (Std.) (Incl. 11)
	34777		Exhaust Valve (1/32" OS) (Incl. 11)
	31671		Valve Spring Cap (Used in early production)
	31672		Spring, Valve
	31673		Valve Spring Cap
	35121		Crankshaft (Incl. 23)
	32538B		Piston & Pin Ass'y.(Std.)(2-1/2")(Inc I.16)
	32548B		Piston & Pin Ass'y. (.010" OS) (Incl. 16)
	32549B		Piston & Pin Ass'y. (.020" OS) (Incl. 16)
	34514		Piston, Pin & Ring Set (Std.) (2-1/2" Bore)
	34515		Piston, Pin & Ring Set (.010" OS)
	34516		Piston, Pin & Ring Set (.020" OS)
	28986		Ring Set (Std.) (2-1/2" Bore)
	28987		Ring Set (.010" OS)
15	28988		Ring Set (.020" OS)
	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)
41A	650694A		Screw, 5/16-18 x 2" (Use as required)
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)
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
	32447		Tube, Breather
	650128		Screw, 10-24 x 1/2"
	26754A		* Gasket, Intake to cylinder
	28416A		Pipe, Intake (Incl. 54)
	650664		Screw, 1/4-20 x 1-19/32"
	650840		Screw, 1/4-20 x 1-7/32"
	6201		Screw, 1/4-28 x 7/8"
	26756		* Gasket, Carburetor to intake
	27272A		* Gasket, Carburetor to air cleaner
	29752		Nut & Lockwasher Assy., 1/4-28
31	20102		1441 & LOUIWAGITOT / 100y., 1/7-20

Ref #	Part Number	Otv	Description
	730127	<u> </u>	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)
	30081A 730162		* Gasket, Muffler Kit, Exhaust adapter (Incl. 69 & 77B) (Use as required) (Not for use on PTO side exhaust)
77B 79 80 81 82	30996 650493 31858 31510 31335 650548 33858A		Muffler Screw, 1/4-20 x 1-3/4" Link, Throttle Lever, Governor Clamp, Governor lever Screw, 8-32 x 5/16" 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.
89 92 100 101 101 105 106 107 108A 108 109 110 114 115	31342 650549 31426 30322 650139 650152 30200 28277 31334 33342 650701 650561 33341 33876 650489 610961 610118 33663C		Spring, Compression Screw, 5-40 x 7/16" Spring, Extension Locknut, 8-32 (Use as required) Screw, 8-32 x 1/2" (Use as required) Screw, 8-32 x 3/8" (Use as required) Screw, 10-24 x 9/16" (Use as required) Washer, Flat Rod, Governor Baffle, Blower housing Screw, 8-18 x 7/16" Screw, 1/4-20 x 5/8" Baffle, Extension Gasket, Stator Screw, 1/4-20 x 5/8" Flywheel key Cover, Spark plug (Use as required) Housing, Blower NOTE: In original production, the starter may be riveted to theblower housing. If the starter or blower housing needs replacement, the other may need holes used for pop rivetingenlarged to use standard mounting hardware. Order 4 nuts (#29752) required to mount starter to replaceme
123 124 125 130A 131 132 136B 137 138	29212 650168 650890 30747 33668 34694 650815 29752 650128 29745 34212		Screw, 1/4-28 x 7/16" Washer Lockwasher, 5/16 Clip, Spark plug shorting Screen, Starter Cup, Starter Washer, Belleville Nut & Lockwasher Assy., 1/4-28 Screw, 10-24 x 1/2" Extension, Blower housing Bracket, Hold down Screw, 10-24 x 9/16"

	Part Number 34156A	Qty	Description 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.
142 143 144 145 146 147 150 155 155 156 157 161 163C 163B 163A 163 167 168 169 170 171 172 173 174 175 176 177 178 190F 190C 190A 191 192	33032 410144B 34183A 34182 650561 650665 28212 650691 29774 30705 26460 610973 34594 34870 32204 32203 730571 34783 34782 34699 34698A 30675 35071 31431 650163 650826 650825 34701 34781 33962 34346 34704 30547A 30548B 631021 632229		Cap, Fuel filler (Use as required) Cap, Fuel filler (Std.) (Use as requi red) Plate, Fuel tank mounting Fuel Tank Bracket Screw, 1/4-20 x 5/8" Screw, 1/4-15 x 7/8" Spacer, Tank bracket (Not used in all models) Washer, Flat Fuel Line (Braided, 8-1/4") (Use as r equired) Fuel Line (Braided, 16") (Use as required) Clamp, Fuel line (Use as required) Terminal Ass'y. (Use as required) Rod, Choke Decal, Instruction (Optional) Bracket, Starter air cleaner (Optional) Str.Muff Kit(Incl.163A,163B,163C)(Opt.) Filter, Pre-air Element Assy., Air cleaner (Incl. 176) Pop Rivet (1/8" dia.) (Purchase local ly) Bracket, Air cleaner Gasket, Air cleaner elbow Fitting, Breather Elbow Assy., Air cleaner (Incl.170,17 1,175) Elbow, Air cleaner Screw, 10-32 x 7/8" Stud, 1/4-20 Nut & Lockwasher, 1/4-20 Bracket, Air cleaner Cover, Air cleaner Cover, Air cleaner Decal, Control Decal, Instruction Decal, Air cleaner Condenser Inlet Needle Seat & Clip Assy. Carburetor (Incl. 56) (Refer to Division 5, Section A, page 182 for breakdown)
196	611025		Magneto NOTE: The complete magneto is not available as an assembly. The magnetonumber is shown for referencepurposes only. Order component parts individually, as shown in parts list. (Refer to Div.5,Sec.B, pg.39 for breakdown)
197	590420A		Starter, Rewind (Refer to Division 5, Section C, page 25 for breakdown)
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 DEM,

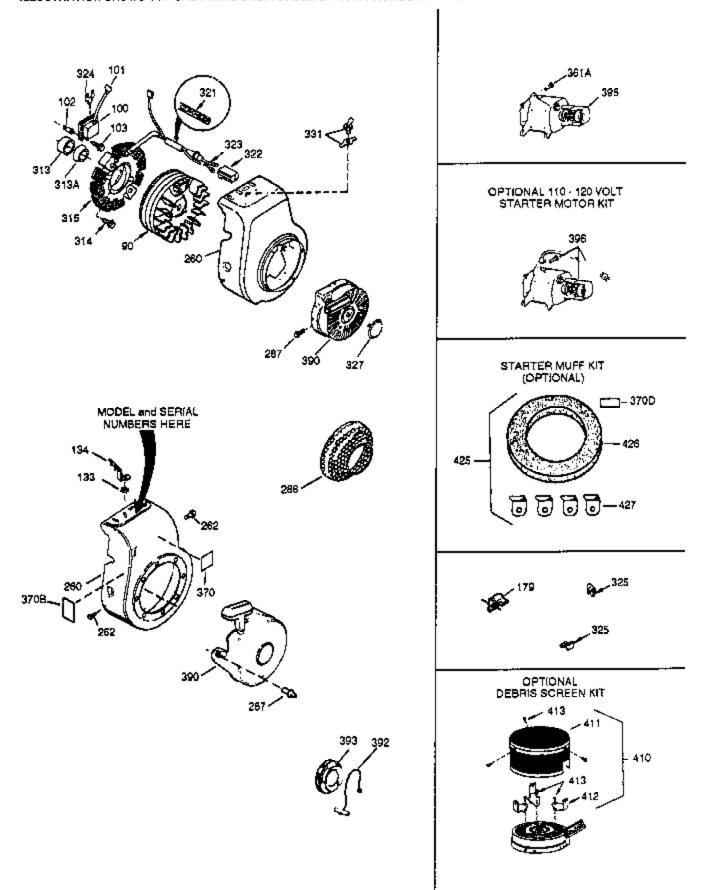


	5 (1)	B 14
	•	Description
	34836	Bushing, Cylinder
	27642	Pipe plug, 1/4-18
6	32600	Seal, Oil
7	29314B	Intake Valve (Std.) (Incl. 11)
7	29315C	Intake Valve (1/32" OS) (Incl. 11)
8	29313C	Exhaust Valve (Std.) (Incl. 11)
8	34776	Exhaust Valve (Std.) (Incl. 11)
	34777	Exhaust Valve (1/32" OS) (Incl. 11)
	31671	Valve Spring Cap (Used in early production)
	31672	Spring, Valve
	31673	Valve Spring Cap
	35121	Crankshaft (Incl. 23)
	32538B	Piston & Pin Ass'y.(Std.)(2-1/2")(Inc I.16)
	32548B	Piston & Pin Ass'y. (.010" OS) (Incl. 16)
	32549B	Piston & Pin Ass'y. (.020" OS) (Incl. 16)
	20381	Ring, Piston retaining
	32875	Rod Assy., Connecting (Incl. 18 & 19)
	32654	Dipper, Oil
	27241	Lifter, Valve
	30756B	Cover, Cylinder (Incl. 23, 26, 28 & 3 4) (BB)
	28540	Seal, Oil
	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
	29953C	* Gasket, Cylinder head
	650694A	Screw, 5/16-18 x 2" (Use as required)
	27234A	* Gasket, Valve spring cover (Two requi red)
	34146	Cover, Valve spring
	26754A	* Gasket, Intake to cylinder
	28416A	Pipe, Intake (Incl. 54)
	650664	Screw, 1/4-20 x 1-19/32"
	650840	·
• .		Screw, 1/4-20 x 1-7/32" Sorow, 1/4-20 x 7/9"
	6201	Screw, 1/4-28 x 7/8"
	26756	* Gasket, Carburetor to intake
	27272A	* Gasket, Carburetor to air cleaner
	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)
30/1	75010-1	(Use as required)
		(Ose as required)
58B	31545	Air Cleaner Ass'y. (Incl. 56A, 59A, 60A, 61 & 62) (Use as
		required)
CO A	720162	
69A	730162	Kit, Exhaust adapter (Incl. 69 & 77B) (Use as required) (Not
		for use on PTO side exhaust)
70A	30996	Muffler
	650493	Screw, 1/4-20 x 1-3/4"
	31858	Link, Throttle
70		

Ref #	Part Number	Otv.	Description
	33858A	Gty	Control Bracket (Incl.88,89,100,101 & 157) NOTE: In
O/	33030A		
			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.
00	04040		
	31342		Spring, Compression
	33857		Spring Assy., Extension (Incl. 98A)
105	28277		Washer, Flat
106	31334		Rod, Governor
107	33342		Baffle, Blower housing
	650701		Screw, 8-18 x 7/16"
	650561		Screw, 1/4-20 x 5/8"
	33341		Baffle, Extension
	650489		•
			Screw, 1/4-20 x 5/8"
	610961		Flywheel key
	610118		Cover, Spark plug (Use as required)
	29212		Screw, 1/4-28 x 7/16"
	650168		Washer
124	650890		Lockwasher, 5/16
131	34694		Cup, Starter
136B	29752		Nut & Lockwasher Assy., 1/4-28
	29745		Extension, Blower housing
	34212		Bracket, Hold down
	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.
1/12	33032		Cap. Fuel filler (Llee as required)
			Cap, Fuel filler (Use as required)
	410144B		Cap, Fuel filler (Std.) (Use as requi red)
	34183A		Plate, Fuel tank mounting
	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 r equired)
	30705		Fuel Line (Braided, 16") (Use as required)
	26460		Clamp, Fuel line (Use as required)
	610973		Terminal Ass'y. (Use as required)
	34594		Rod, Choke
	32203		Air Cleaner, Starter (Optional)
	32204		Bracket, Starter air cleaner (Optiona I)
	34870		Decal, Instruction (Optional)
	730571		Str.Muff Kit(Incl.163A,163B,163C)(Opt .)
167	34783		Filter, Pre-air
168	34782		Element Assy., Air cleaner (Incl. 176)
	650826		Stud, 1/4-20
	650825		Nut & Lockwasher, 1/4-20
	34701		Bracket, Air cleaner
	34346		·
			Decal, Instruction
	33962		Decal, Control
	34704		Decal, Air cleaner
	30547A		Contact Assy., Breaker
192	30548B		Condenser
194A	631021		Inlet Needle Seat & Clip Assy.
			• •

Ref #	Part Number	Qty	Description
195A	632229	-	Carburetor (Incl. 56) (Refer to Division 5, Section A, page 182 for breakdown)
196	611025		Magneto NOTE: The complete magneto is not available as an assembly. The magnetonumber is shown for referencepurposes only. Order component parts individually, as shown in parts list. (Refer to Div.5,Sec.B, pg.39 for breakdown)
197	590420A		Starter, Rewind (Refer to Division 5, Section C, page 25 for breakdown)
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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Ref #	Part Number C	ty Description
	34836	Bushing, Cylinder
	27642	Pipe plug, 1/4-18
	32600	Seal, Oil
	29314B	Intake Valve (Std.) (Incl. 11)
	29315C	Intake Valve (1/32" OS) (Incl. 11)
	29313C	Exhaust Valve (Std.) (Incl. 11)
	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
	31673	Valve Spring Cap
	35121	Crankshaft (Incl. 23)
	32538B	Piston & Pin Ass'y.(Std.)(2-1/2")(Inc I.16)
	32548B	Piston & Pin Ass'y. (.010" OS) (Incl. 16)
	32549B	Piston & Pin Ass'y. (.020" OS) (Incl. 16)
	27241	Lifter, Valve
	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
	650694A	Screw, 5/16-18 x 2" (Use as required)
	27234A	* Gasket, Valve spring cover (Two requi red)
	34146	• • • • • • • • • • • • • • • • • • • •
		Cover, Valve spring
	26754A	* Gasket, Intake to cylinder
	28416A	Pipe, Intake (Incl. 54)
	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
	27272A	* Gasket, Carburetor to air cleaner
	29752	Nut & Lockwasher Assy., 1/4-28
	31545	Air Cleaner Ass'y. (Incl. 56A, 59A, 60A, 61 & 62) (Use as
300	31040	
		required)
58A	730127	Air Cleaner Ass'y. (Incl.56A, 58, 59, 60, 66, 67 & 170) (Use
		as required)
Γ ΟΛ	700404	Air Classer Apply (Incl. ECA. EQ. EQ. CQ. CC. CZ 9, 470A)
58A	730164	Air Cleaner Ass'y. (Incl. 56A, 58, 59, 60, 66, 67 & 170A)
		(Use as required)
694	730162	Kit, Exhaust adapter (Incl. 69 & 77B) (Use as required) (Not
03/1	750102	for use on PTO side exhaust)
		ioi use on Fio side exiladist)
70A	30996	Muffler
	650493	Screw, 1/4-20 x 1-3/4"
	31858	Link, Throttle
	33858A	Control Bracket (Incl.88,89,100,101 & 157) NOTE: In
OI	30000A	
		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.
00	21242	Spring Compression
	31342	Spring, Compression
	30322	Locknut, 8-32 (Use as required)
	650139	Screw, 8-32 x 1/2" (Use as required)
	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
	31334	Rod, Governor
	33342	Baffle, Blower housing
101		,

 Dof #	Dort Ni mhor	Oh.,	Description
108 108A 109 114 115 116 122 123 124 131 133 136B 139 140 141	Part Number 650561 650701 33341 650489 610961 610118 29212 650168 650890 34694 650816 29752 29745 34212 30200 34156A	Qty	Screw, 1/4-20 x 5/8" Screw, 8-18 x 7/16" Baffle, Extension Screw, 1/4-20 x 5/8" Flywheel key Cover, Spark plug (Use as required) Screw, 1/4-28 x 7/16" Washer Lockwasher, 5/16 Cup, Starter Nut, Flywheel Nut & Lockwasher Assy., 1/4-28 Extension, Blower housing Bracket, Hold down Screw, 10-24 x 9/16" 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.
142 143 144 145 146 147 155 156 157 161 163B 163C 163 163A 167 168 175 176 177 179 190C 190A 190F 191 192 194A	33032 410144B 34183A 34182 650561 650665 28212 29774 30705 26460 610973 34594 32204 34870 730571 32203 34783 34782 650826 650825 34701 650513 34346 34704 33962 30547A 30548B 631021 632229		Cap, Fuel filler (Use as required) Cap, Fuel filler (Std.) (Use as requi red) Plate, Fuel tank mounting Fuel Tank Bracket Screw, 1/4-20 x 5/8" Screw, 1/4-15 x 7/8" Spacer, Tank bracket (Not used in all models) Fuel Line (Braided, 8-1/4") (Use as r equired) Fuel Line (Braided, 16") (Use as required) Clamp, Fuel line (Use as required) Terminal Ass'y. (Use as required) Rod, Choke Bracket, Starter air cleaner (Optiona I) Decal, Instruction (Optional) Str.Muff Kit(Incl.163A,163B,163C)(Opt.) Air Cleaner, Starter (Optional) Filter, Pre-air Element Assy., Air cleaner (Incl. 176) Stud, 1/4-20 Nut & Lockwasher, 1/4-20 Bracket, Air cleaner Nut, Wing, 1/4-20 Decal, Instruction Decal, Air cleaner Decal, Control Contact Assy., Breaker Condenser Inlet Needle Seat & Clip Assy. Carburetor (Incl. 56) (Refer to Division 5, Section A, page 182 for breakdown)
196	611025		Magneto NOTE: The complete magneto is not available as an assembly. The magnetonumber is shown for referencepurposes only. Order component parts individually, as shown in parts list. (Refer to Div.5,Sec.B, pg.39 for breakdown)
197	590420A		Starter, Rewind (Refer to Division 5, Section C, page 25 for breakdown)

breakdown)

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.