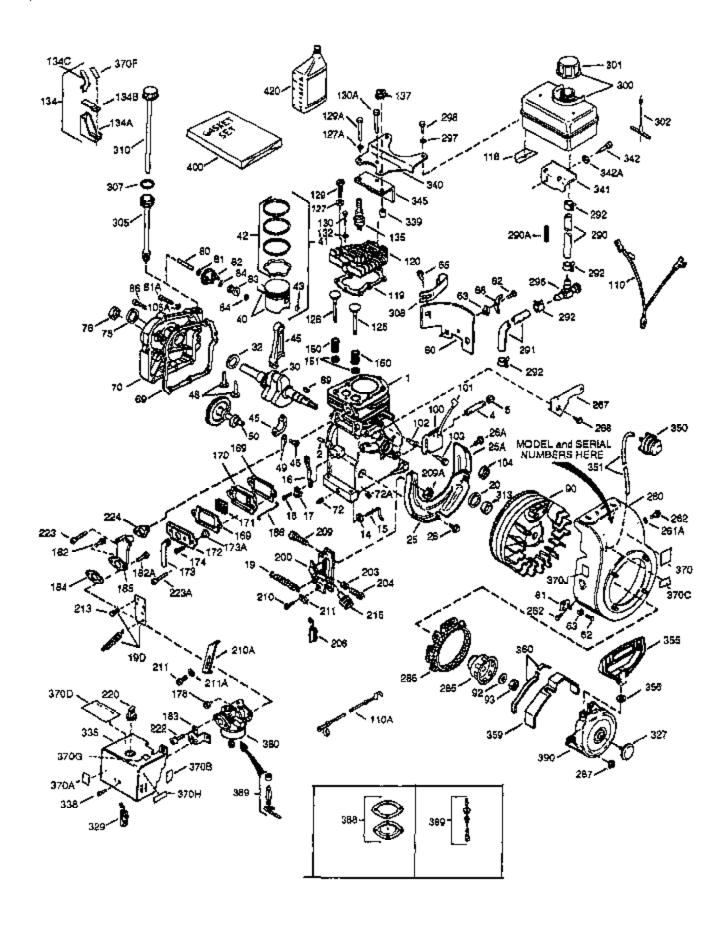
## ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY DEM



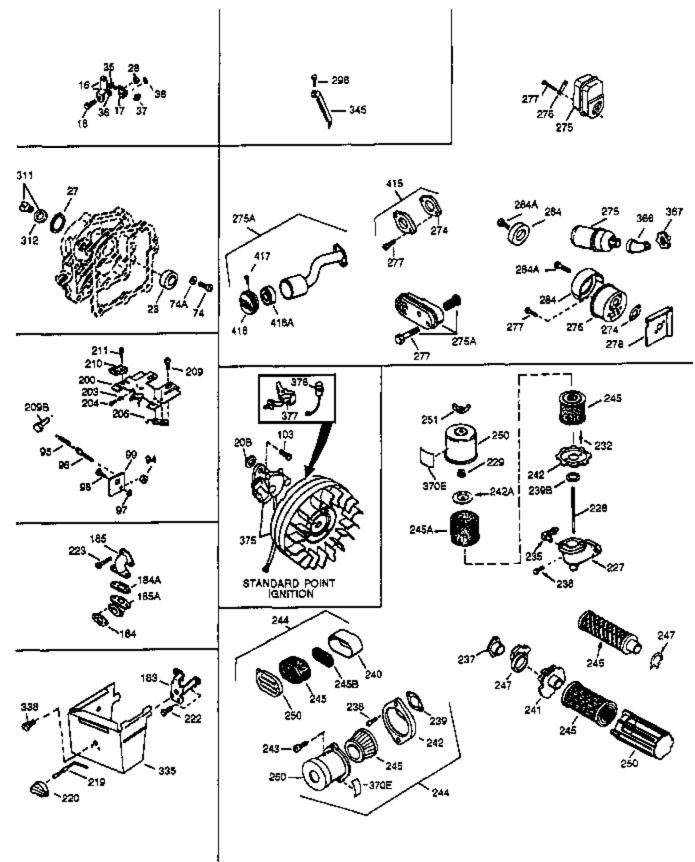
Rof #	Part Number	Otv	Description
		Qly	
	35069A		Cylinder (Cl liner)(Incl.1A,2,3 & 6)( 2-1/2")
	34836		Bushing, Cylinder
	26727		Pin, Dowel
	27642		Pipe plug, 1/4-18
	28582		Plug, Drain, 1/4-18
	32600		Seal, Oil
7	29314B		Intake Valve (Std.) (Incl. 11)
7	29315C		Intake Valve (1/32" OS) (Incl. 11)
8	34777		Exhaust Valve (1/32" OS) (Incl. 11)
8	29313C		Exhaust Valve (Std.) (Incl. 11)
8	34776		Exhaust Valve (Std.) (Incl. 11)
	31671		Valve Spring Cap (Úsed in early production)
	31672		Spring, Valve
	31673		Valve Spring Cap
	35070		Crankshaft (Incl. 23)
	34514		Piston, Pin & Ring Set (Std.) (2-1/2" Bore)
	34515		Piston, Pin & Ring Set (.010" OS)
			Piston, Pin & Ring Set (.020" OS)
	34516		
	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)
	28986		Ring Set (Std.) (2-1/2" Bore)
	28987		Ring Set (.010" OS)
	28988		Ring Set (.020" OS)
	20381		Ring, Piston retaining
	30963B		Rod Assy., Connecting (Incl. 19)
	28594		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
	650488		Screw, 1/4-20 x 1-1/4"
	27625		Plug, Oil fill (Incl. 28)
	30574		Shaft, Mechanical governor
	29953C		* Gasket, Cylinder head
	30579A		Head, Cylinder (Incl. 41A)
	650695A		Screw, 5/16-18 x 2-1/4" (Use as required)
	6021A		Screw, 5/16-18 x 1-1/2" (Use as required)
	650865		Screw, 5/16-18 x 2" (Use as required)
	650694A		
	33636		Screw, 5/16-18 x 2" (Use as required) Resistor Spark Plug (J-8C)
	33344		Baffle, Heat
	27234A		* Gasket, Valve spring cover (Two required)
	27666		Breather Body & valve assy.
	31410		Element, Breather
	34146		Cover, Valve spring
	32446		Grommet, Breather tube
	32447		Tube, Breather
	650128		Screw, 10-24 x 1/2"
	26754A		* Gasket, Intake to cylinder
	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"
	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
01			······································

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 or use on PTO side exhaust)
75 76 77B 77 79 80 81 82	391017 33753 34422 650795 650760 31858 31510 31335 650548 33879A	F S S L C S S C F E S C C F E S C C	Muffler (Incl. 77B) Plate, Lock Deflector, Exhaust Screw, 1/4-20 x 2-1/4" Screw, 8-32 x 3/8" Link, Throttle Lever, Governor Clamp, Governor lever Screw, 8-32 x 5/16" Control Bracket (Incl. 88, 89, 100 & 101) 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 90 91 92 100 101 101 105 106 107 108A 107 108A 109 110 114 115 116	31342 650549 27793 28942 31426 30322 650139 650152 30200 28277 31334 33342 650701 650561 33341 33876 650489 610961 610118 33663C	SSOSSLSSSVFESSEOSFOHrhf	Spring, Compression Screw, 5-40 x 7/16" Clip, Conduit Screw, 10-32 x 3/8" 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, 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 nousing needs replacement, the other may need holes used or pop rivetingenlarged to use standard mounting hardware. Drder 4 nuts (#29752) required to mount starter to replaceme
123 124 125 130A 131 132 136B	29212 650168 650890 30747 33668 34694 650815 29752 650128	S V L O S O V N	Screw, 1/4-28 x 7/16" Vasher Lockwasher, 5/16 Clip, Spark plug shorting Screen, Starter Cup, Starter Vasher, Belleville Nut & Lockwasher Assy., 1/4-28 Screw, 10-24 x 1/2"

		y Description
	29745	Extension, Blower housing
139	34212	Bracket, Hold down
140	30200	Screw, 10-24 x 9/16"
	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 requi red)
	34183A	Plate, Fuel tank mounting
	34182	Fuel Tank Bracket
	650561	Screw, 1/4-20 x 5/8"
	650665	Screw, 1/4-15 x 7/8"
	28212	Spacer, Tank bracket (Not used in all models)
	650691	Washer, Flat
	29774	Fuel Line (Braided, 8-1/4") (Use as required)
	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
163	730571	Str.Muff Kit(Incl.163A,163B,163C)(Opt .)
163C	34870	Decal, Instruction (Optional)
163B	32204	Bracket, Starter air cleaner (Optiona I)
163A	32203	Air Cleaner, Starter (Optional)
	34783	Filter, Pre-air
	34782	Element Assy., Air cleaner (Incl. 176)
169	04102	Pop Rivet (1/8" dia.) (Purchase local ly)
	34699	Bracket, Air cleaner
	34698A	
		Gasket, Air cleaner elbow
	30675	Fitting, Breather
	35071	Elbow Assy., Air cleaner (Incl.170,17 1,175)
	31431	Elbow, Air cleaner
	650163	Screw, 10-32 x 7/8"
	650826	Stud, 1/4-20
176	650825	Nut & Lockwasher, 1/4-20
177	34701	Bracket, Air cleaner
178	34781	Cover, Air cleaner
190C	34346	Decal, Instruction
190A	34704	Decal, Air cleaner
191	30547A	Contact Assy., Breaker
	30548B	Condenser
	631021	Inlet Needle Seat & Clip Assy.
	632229	Carburetor (Incl. 56) (Refer to Division 5, Section A, page 182
100/1	002223	for breakdown)
		IOI DIEAROOWII)
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)
1004	222000	Electric Starter Motor (120 volt) This 120 Valt starter meter
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.

Ref # Part Number	Qty Description
200 33233A	* Gasket Set (Incl. items marked *)



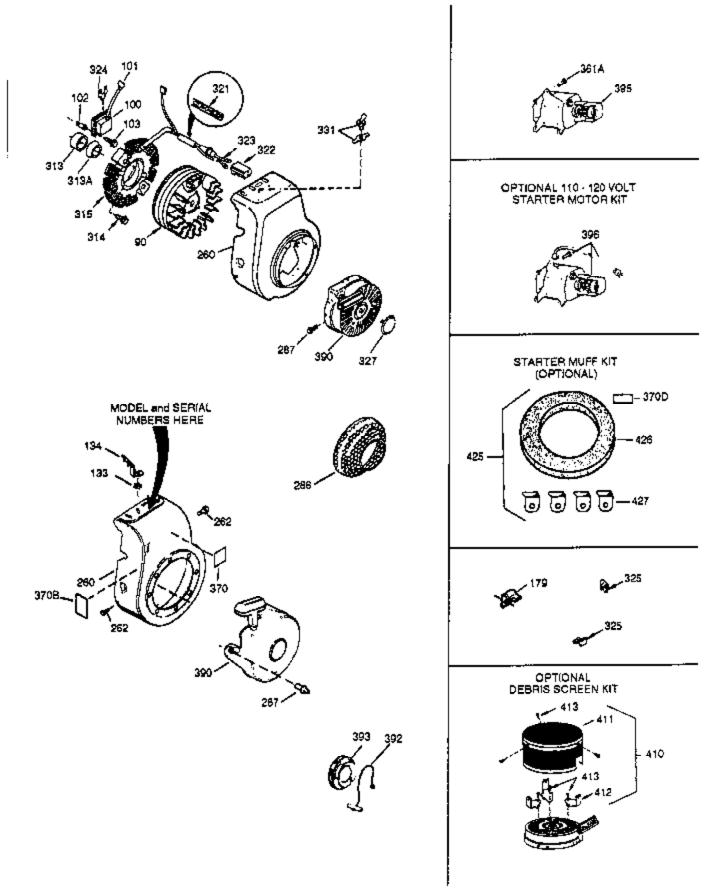


	Part Number Qt	/ Description
1A	34836	Bushing, Cylinder
3	27642	Pipe plug, 1/4-18
	28582	Plug, Drain, 1/4-18
	32600	Seal, Oil
	29314B	Intake Valve (Std.) (Incl. 11)
	29315C	Intake Valve (1/32" OS) (Incl. 11)
	34777	Exhaust Valve (1/32" OS) (Incl. 11)
	29313C	Exhaust Valve (Std.) (Incl. 11)
	34776	Exhaust Valve (Std.) (Incl. 11)
9	31671	Valve Spring Cap (Used in early produ ction)
10	31672	Spring, Valve
11	31673	Valve Spring Cap
	35070	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
	30963B	Rod Assy., Connecting (Incl. 19)
	28594	Dipper, Oil
21	27241	Lifter, Valve
22	30756B	Cover, Cylinder (Incl. 23, 26, 28 & 3 4) (BB)
23	28540	Seal, Oil
	27677A	* Gasket, Cylinder cover
	29673	* Gasket, Oil fill plug
	30574	Shaft, Mechanical governor
	35479	
		Washer, Flat
	30591	Gear Assy., Governor (Incl. 35)
	29193	Ring, Retaining
	30588A	Spool, Governor
	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
	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
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)
FOD	21545	Air Cleanar Apply (Incl. EGA. EQA. EQA. E1.8.E2) (Lice on
266	31545	Air Cleaner Ass'y. (Incl. 56A, 59A, 60A, 61 & 62) (Use as
		required)
607	730162	Kit, Exhaust adapter (Incl. 69 & 77B) (Use as required) (No
03A		• • • • • • • • •
		for use on PTO side exhaust)
77B	650795	Screw, 1/4-20 x 2-1/4"
	650760	Screw, 8-32 x 3/8"
	31858	Link, Throttle

07.0			escription
87 3	33879A	pro blo co	ontrol Bracket (Incl. 88, 89, 100 & 101) NOTE: In original roduction the speed control assembly is riveted to the ower housing baffle (Ref. #107). Replacement speed ontrol assembly includes screws (Ref. #101)and nuts (Ref. 100) for mounting.
91 2		Sc Sp W	pring, Compression crew, 10-32 x 3/8" pring Assy., Extension (Incl. 98A) /asher, Flat od, Govemor
107 3 108A 6	33342	Ba So	affle, Blower housing crew, 8-18 x 7/16" crew, 1/4-20 x 5/8"
115 6	650489 610961	So Fly	affle, Extension crew, 1/4-20 x 5/8" lywheel key over Sport plug (Loo oo required)
122 2 123 6	510118 29212 550168 550890	So W	over, Spark plug (Use as required) crew, 1/4-28 x 7/16" /asher ockwasher, 5/16
131 3 136B 2 138	29752 29745	Cu Nu Ex	up, Starter ut & Lockwasher Assy., 1/4-28 xtension, Blower housing
139 3 140 3 141 3		Sc Fu wi I.D	racket, Hold down crew, 10-24 x 9/16" uel Tank (Incl. 142 & 156) NOTE: These tanks were built ith different size fuel inlet openings. Tanks with the 1-3/16" D. opening use fuel cap 33032 or 34210. Tanks with the 1/2" I.D. opening use fuel cap 35355.
142 3 142 4	33032 410144B	Ca	ap, Fuel filler (Use as required) ap, Fuel filler (Std.) (Use as requi red)
	34183A	Pla	late, Fuel tank mounting uel Tank Bracket
145 6	550561 550665	Sc	crew, 1/4-20 x 5/8" crew, 1/4-15 x 7/8"
147 2	28212	Sp	pacer, Tank bracket (Not used in all models)
155 2 155 3			uel Line (Braided, 8-1/4") (Use as r equired) uel Line (Braided, 16") (Use as requ ired)
156 2 157 6	26460 510973		lamp, Fuel line (Use as required) erminal Ass'y. (Use as required)
161 3	34594	Ro	od, Choke
163 7 163A 3	730571 32203		tr.Muff Kit(Incl.163A,163B,163C)(Opt .) ir Cleaner, Starter (Optional)
163B 3 163C 3		Br	racket, Starter air cleaner (Optiona I)
167 3			ecal, Instruction (Optional) Ilter, Pre-air
168 3 175 6	34782 650826		lement Assy., Air cleaner (Incl. 176 ) tud, 1/4-20
176 6	650825	Nu	ut & Lockwasher, 1/4-20
177 3 190C 3			racket, Air cleaner ecal, Instruction
190A 3	34704	De	ecal, Air cleaner
	30547A 30548B		ontact Assy., Breaker ondenser
194A 6			let 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 *)

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



	Part Number	Qty	Description
1A	34836		Bushing, Cylinder
3	27642		Pipe plug, 1/4-18
	28582		Plug, Drain, 1/4-18
	32600		Seal, Oil
	29314B		Intake Valve (Std.) (Incl. 11)
	29315C		Intake Valve (1/32" OS) (Incl. 11)
	34777		Exhaust Valve (1/32" OS) (Incl. 11)
	29313C		Exhaust Valve (Std.) (Incl. 11)
8	34776		Exhaust Valve (Std.) (Incl. 11)
9	31671		Valve Spring Cap (Used in early produ ction)
	31672		Spring, Valve
	31673		Valve Spring Cap
	35070		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)
21	27241		Lifter, Valve
22	30756B		Cover, Cylinder (Incl. 23, 26, 28 & 3 4) (BB)
	27677A		* Gasket, Cylinder cover
	30574		Shaft, Mechanical governor
	29953C		* Gasket, Cylinder head
	650694A		Screw, 5/16-18 x 2" (Use as required)
	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)
	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"
	27272A		* Gasket, Carburetor to air cleaner
	26756		* Gasket, Carburetor to intake
	29752		Nut & Lockwasher Assy., 1/4-28
58B	31545		Air Cleaner Ass'y. (Incl. 56A, 59A, 60A, 61 & 62) (Use as
			required)
<b>CO A</b>	700407		
58A	730127		Air Cleaner Ass'y. (Incl.56A, 58, 59, 60, 66, 67 & 170) (Use
			as required)
584	730164		Air Cleaner Ass'y. (Incl. 56A, 58, 59, 60, 66, 67 & 170A)
JOA	750104		
			(Use as required)
69A	730162		Kit, Exhaust adapter (Incl. 69 & 77B) (Use as required) (Not
00/1	100102		for use on PTO side exhaust)
77B	650795		Screw, 1/4-20 x 2-1/4"
	650760		Screw, 8-32 x 3/8"
	31858		Link, Throttle
	33879A		Control Bracket (Incl. 88, 89, 100 & 101) NOTE: In original
07	33079A		
			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.
~~	01040		, <b>č</b>
	31342		Spring, Compression
	27793		Clip, Conduit
91	28942		Screw, 10-32 x 3/8"
	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)
	30200		
101	JUZUU		Screw, 10-24 x 9/16" (Use as required )

\_\_\_\_

Ref #	Part Number	Otv	Description
	28277	QUY	Washer, Flat
	31334		Rod, Governor
	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
	650890		Lockwasher, 5/16
	34694		Cup, Starter
	650816		Nut, Flywheel
	29752		
	29732		Nut & Lockwasher Assy., 1/4-28
			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.
142	33032		Cap, Fuel filler (Use as required)
142	410144B		Cap, Fuel filler (Std.) (Use as requi red)
143	34183A		Plate, Fuel tank mounting
	34182		Fuel Tank Bracket
	650561		Screw, 1/4-20 x 5/8"
	650665		Screw, 1/4-15 x 7/8"
	28212		Spacer, Tank bracket (Not used in all models)
	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)
	730571		Str.Muff Kit(Incl.163A,163B,163C)(Opt .)
	32204		Bracket, Starter air cleaner (Optiona I)
	34870		Decal, Instruction (Optional)
	34783		Filter, Pre-air
	34782		Element Assy., Air cleaner (Incl. 176)
	650826		Stud, 1/4-20
	650825		Nut & Lockwasher, 1/4-20
	34701		Bracket, Air cleaner
	650513		Nut, Wing, 1/4-20
	34346		Decal, Instruction
	34704		Decal, Air cleaner
	30547A		Contact Assy., Breaker
	30548B		Condenser
	631021		Inlet Needle Seat & Clip Assy.
	632229		Carburetor (Incl. 56) (Refer to Division 5, Section A, page 182
1304			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)

Ref #	Part Number	Qty	Description
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.