

D-f //	Doub Ni work on	Description
	Part Number Qty	
	34291A	Cylinder (Incl. 2, 4 & 33) (3-1/8" Bo re)
	31927	Pipe Plug, 3/8-18 sq. head (Use as re quired)
	28483	Pipe Plug (3/8-18 hex countersunk) (A s req.)
2		Pipe Plug (3/4-14 sq.hd.)(As req.)(Bu y local)
	9556	Pipe Plug (1/8-27 sq. hd.) (Use as re quired)
	28534	Pipe Plug(1/8-27 hex c/sunk headless) (As req)
	27652	Pin, Dowel
5	33391B	Crankshaft (Incl. 6 thru 9) NOTE: When using this
		crankshaft to repair older units equippedwith straight cut cam
		and governor gears, it will be necessary to order 34751 helical
		governor gear assembly and 34752 helical camshaft in order
		to the complete the repair.
6	29783	Pin, Crankshaft gear
	34692	Gear Crankshaft (Helical)
	31932	Bearing, Tapered roller
	31928	Cup, Bearing
	34292B	Piston & Pin Ass'y. (Std.)(3-1/8")(In cl.12)
	34293B	Piston & Pin Ass'y. (.010" OS) (Incl. 12)
	34294B	Piston & Pin Ass'y. (.020" OS) (Incl. 12)
	34546	Piston, Pin & Ring Set (Std.) (3-1/8" Bore)
	34547	Piston, Pin & Ring Set (010.) (0-1/0 Bole)
	34548	Piston, Pin & Ring Set (.010 °CS)
	31919	Ring, Piston pin retaining
	34297	
	34298	Ring Set (Std.) (3-1/8" Bore)
	34299	Ring Set (.010" OS)
		Ring Set (.020" OS)
	33093A 34383	Connecting Rod Assy. (Std.) (Incl.15, 1 6 & 17)
		Connecting Rod Assy.(.010" US)(Incl.1 5,16,17)
	34384	Connecting Rod Assy.(.020" US)(Incl.1 5,16.17)
	32077	Bolt, Connecting rod
	26073	Washer, Connecting rod
	28264	Nut Assy.
	34752	Camshaft (MCR) (Helical)
	33472	Lifter, Valve
	33471	Rod, Push
	33505	Intake Valve (Std.)
	33645	Intake Valve (1/32" OS)
	33506	Exhaust Valve (Std.)
	33646	Exhaust Valve (1/32" OS)
	33507	Spring, Valve
	33508	Retainer & Cap Set, Keeper valve
	33509	* "O" Ring (Intake only) (Also Incl. in 251)
	34410	* "O" Ring (Exhaust only) (Also Incl. i n 251)
	33510	Cap, Valve
	34751	Governor Gear Ass'y. (Helical)
	650745	Washer, Flat
	35479	Washer, Flat (Use with 35322 spool)
	30590A	Washer, Flat
	31948	Spool, Governor
	31956B	* Gasket, Cylinder cover
	32580A	Cylinder Cover Assy.(Incl.2,33,36,37 & 38)
	31950	* Seal, Oil
	650451	Screw, 1/4-20 x 1"
	650588	Screw, 1/4-20 x 2"
	32425	Rod Assy., Governor
	32426	Spacer, Governor rod
38	29193	Ring, Retaining

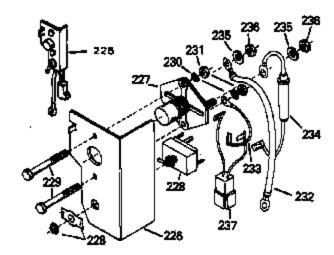
Ref #	Part Number Qty	Description
	650736	Screw, 10-16 x 3/8"
	33495	Cover, Cylinder head
	34302A	* Gasket, Cylinder head
	34767	· · · · · · · · · · · · · · · · · · ·
		Head, Cylinder
	31980	Pulley, Starter
	32046	Rope Assy., Starter
	33657	Spark Plug (L-82C)
	650691	Washer, Flat
	650690	Washer, Belleville
47A	650746	Screw, 5/16-18 x 1-3/8"
47	650692	Screw, 5/16-18 x 1-3/4"
48	730218	Valve Guide Kit (Incl. 49)
49	792035	Ring, Retaining
50	33515A	* Gasket, Intake pipe
	33475	Pipe, Intake
	650378	Screw, Torx T-30, 5/16-18 x 1-1/8"
	792028	Screw, 5/16-18 x 7/8"
	33476A	* Gasket, Carburetor
	33477A	Baffle, Air cleaner
	792075	,
		Nut, Lock 5/16-24 (Used in early prod uction)
	33478	Link, Governor lever-to-throttle leve r
	31963	Lever, Governor
	31964	Clamp, Governor lever
	650518	Lockwasher, No. 10 E.T.
	30312	Screw, 10-32 x 1/2"
	650544	Screw, Torx T-25, 10-24 x 7/8"
	7975	Nut, 10-24
64	31965	Plate, Governor spring
65	31984A	Lever Assy., Control
66	28558	Washer, Wave
67	31966	Bushing, Governor lever
68	650597	Screw, 10-24 x 5/8"
	31967	Spring, Governor
	650591	Screw, 10-24 x 2"
	33099	Spring
	32599	"O" Ring (Incl. in 251)
	650666	Washer, Lock
	32579	Baffle, Blower housing
	650561	Screw, 1/4-20 x 5/8"
	650592	Key, Flywheel
	730201	Trigger Pin Kit (Use as required)
	610967	. ,
		Flywheel (w/ring gear)
	650594	Nut, Flywheel
	610906	Solid State Magneto (Incl. 158 thru 1 61)
	650661	Screw, 1/4-20 x 3/4"
	33479	Extension, Blower housing
	650751	Screw, 1/4-20 x 7/16"
	33775A	Blower Hsg.(Incl.218A,219)(For elec.s tarter)
	8274	Washer, Lock
	650595	Screw, 5/16-24 x 3/8"
86A	650624	Screw, 5/16-24 x 9/16"
87	650752	Screw, 1/4-20 x 7/16"
	35475	Tube, Push rod
	33481	* "O" Ring (Also Incl. in 251)
	34754	Housing, Rocker arm
	33013	Cover, Starter bubble
	650701	Screw, 8-18 x 7/16"
	33484	* "O" Ring (Also Incl. in 251)
34	ОСТ	O 1 tilling (1 tild till till 201)

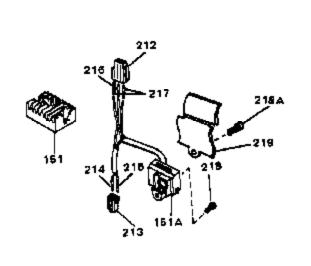
Ref #	Part Number (	Qty	Description
95	650168		Washer, Flat
	32610A		Screw, 1/4-20 x 29/32"
	33485		Arm, Rocker
	33486		Ring, Retaining
	650755		Screw, 1/4-20 x 3/4"
	650864		Nut, Hex, 1/4-20
	650756		Stud, Rocker arm
	33487		* "O" Ring (Also Incl. in 251)
	33488		Cover, Rocker arm
	31958A		
	33489		* Gasket, Breather (Also Incl. in 251)
	33490		Body Assy., Breather Tube, Breather
	30102		* Screw, 10-32 x 5/8" (Also Incl. in 25 1)
	650738		· · · · · · · · · · · · · · · · · · ·
	35471		Screw, 1/4-20 x 5/8"  * Gasket, Air cleaner
	35471 35472		•
			Bracket, Air cleaner
	650399		Screw, 10-32 x 5/8"
	32008		Element, Air cleaner
	32810		Cover, Air cleaner
	650513		Nut, Wing
	31992		Spacer, Screen
	33776		Screen, Pulley
	650680		Screw, 1/4-20 x 1-1/2"
	27070		Washer, Lock
	650590		Nut, Conduit
	32043B		Muffler
140	32577		Cover, Cylinder NOTE: Determine the gap between the cover and the machined surface on the cylinder, which can be from .001" up to .007", in which case no shim gaskets will be required. Use of gaskets must be limited to a combined total of .010" thick. Steel spacersmust be used as required to eli
147	792028		Screw, 5/16-18 x 7/8"
150B	650399		Screw, 10-32 x 5/8"
152A	610965		Stator Plate Assy.
155	31971		* Gasket, Shim (.004/.005 thick) NOTE: Determine the gap
			between the cover and the machined surface on the
			cylinder, which can be from .001" up to .007", in which case
			no shim gaskets will be required. Use of gaskets must be
			limited to a combined total of .010" thick. Steel
			spacersmust be used a
156	31972		* Gasket, Shim (.005/.007 thick) NOTE: Determine the gap
100	01012		between the cover and the machined surface on the
			cylinder, which can be from .001" up to .007", in which case
			no shim gaskets will be required. Use of gaskets must be
			limited to a combined total of .010" thick. Steel
			spacersmust be used a
			·
157	32031		* Spacer, Steel (.010 thick) NOTE: Determine the gap
			between the cover and the machined surface on the
			cylinder, which can be from .001" up to .007", in which case
			no shim gaskets will be required. Use of gaskets must be
			limited to a combined total of .010" thick. Steel
			spacersmust be used as re
158	610118		Cover, Spark plug
	610750		Grommet, Lead wire
	610408		Nut, 8-32
	610908		Terminal, Female
101			

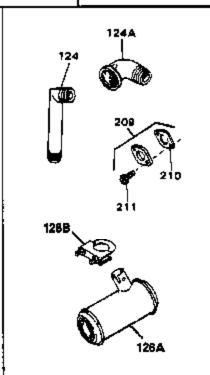
Ref #	Part Number Qt	y Description
164	33356	Terminal
165	650760	Screw, 8-32 x 3/8"
166	28545	Grommet, Plastic
167	650890	Washer, Lock
167A	26073	Washer, Flat
168	32039	Switch, Stop
169A	27793	Clip, Conduit
170	28942	Screw, 10-32 x 3/8"
171	29634	Fitting, Fuel line
189	33069	Dipstick (Incl. 190)
190	29673	* Gasket, Oil filler
193	29443	Clip, Wire
244B	31752	Decal, Air cleaner
244	34346	Decal, Instruction
244A	34768	Decal, Name
246	631687	Valve, Seat & Spring Assy.
247	632193	Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A,
		page 160 for breakdown) (Refer to Division 5, Section D for breakdown)
250	225160	,
	33516G	* Gasket Set (Incl. items marked *)
251	35075	"O" Ring Kit (Incl. Nos. items marked +)

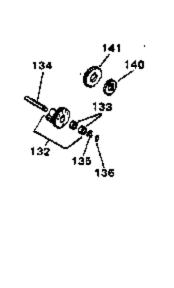
## ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

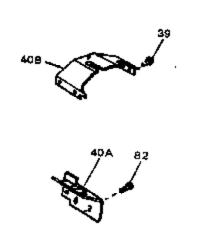
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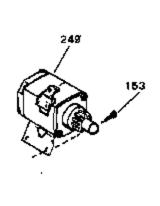


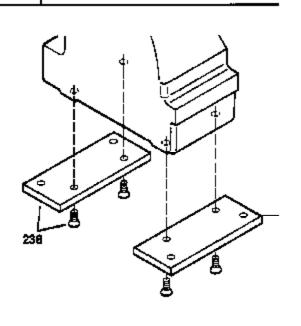






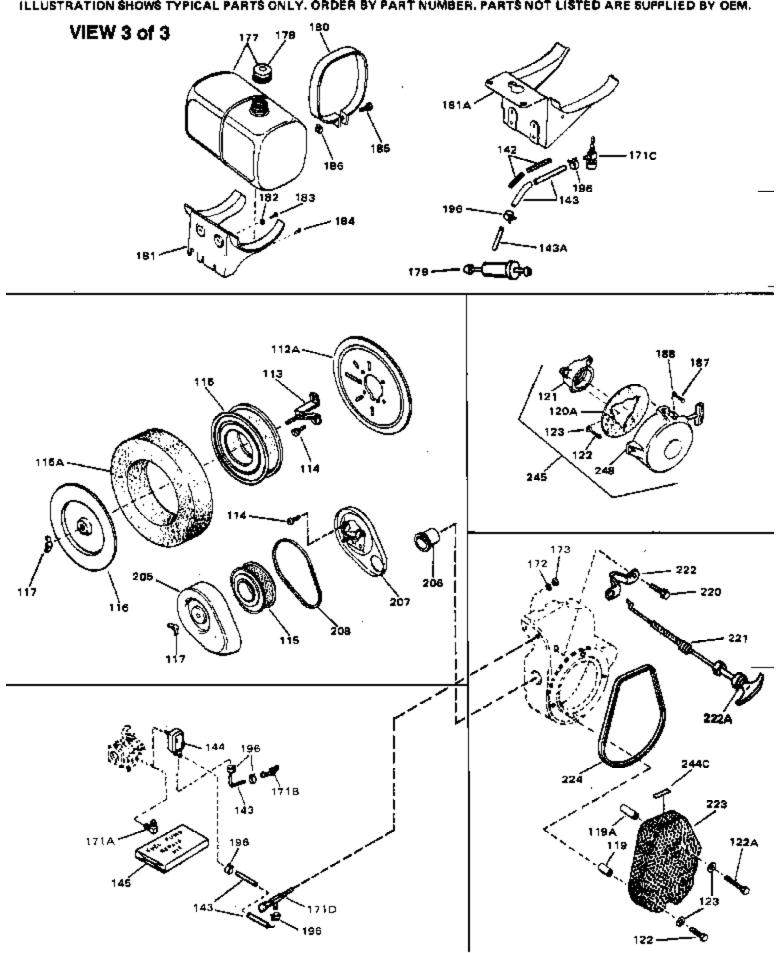






Ref #	Part Number	Qty	Description
39	650736		Screw, 10-16 x 3/8"
126A	35731		Muffler (Incl. 126B)
141			Gear, Counterbalance weight (Straight teeth) (For replacement see Ref. 132. Order correct kit for your enginemodel number.)
153	792028		Screw, 5/16-18 x 7/8"(Use w/32817 str .motor)
153	650781		Screw,5/16-18 x 11/16"(Use w/33835 st r.motor)
209	730178		Ech.Adapter Kit (Incl.210 & 211)(As r equired)
210	34102B		Gasket, Exhaust (Use as required)
211	30196		Screw, 5/16-18 x 3/4" (Use as require d)
238	730212		Adapter Plate Kit (Optional) NOTE: If you are having mounting problems in using a HH100 thru0H180 inplace of a large frame competitivebrand, we would like to call your attention to 730212 adapter plate kit. The kit converts the bottom mounting system found on HH100 thru 0H180 to a top mounting sys

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Ref #	Part Number Qty	Description
	650399	Screw, 10-32 x 5/8"
	32008	Element, Air cleaner
117	650513	Nut, Wing
119	31992	Spacer, Screen
122	650680	Screw, 1/4-20 x 1-1/2"
123	27070	Washer, Lock
143	29774	Fuel Line (Braided 8.25")(21 cm)(As r equired)
143	30705	Fuel Line (Braided 16")(41 cm)(As req uired)
143	30962	Fuel Line (Braided 32")(81 cm)(As req uired)
178	410144B	Fuel Cap (White Plastic)(Std)(As requ ired)
178	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as required)
196	26460	Clamp, Fuel line (Use as required)
245	730134	Rewind Starter Kit (Incl.120A, 121, 122, 187, 188 & 248) (Use as required)