

	Part Number Qty	
	33823A	Cylinder (Incl. 2, 4 & 33) (3-5/16" B ore)
	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	34045A	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
	34223	
	34222	Bearing & Seal Assy., Needle
		Bearing, Needle
	34508	Piston, Pin & Ring Set (Std.) (3-5/16 " Bore)
	34509	Piston, Pin & Ring Set (.010" OS)
	34510	Piston, Pin & Ring Set (.020" OS)
	32001C 32002B	Piston & Pin Ass'y. (Std.)(3-5/16")(I ncl.12)
	32003B	Piston & Pin Ass'y. (.010" OS) (Incl. 12)
		Piston & Pin Ass'y. (.020" OS) (Incl. 12)
	31919	Ring, Piston pin retaining
	32004	Ring Set (Std.) (3-5/16" Bore)
	32005	Ring Set (.010" OS)
	32006	Ring Set (.020" OS)
	33093A	Connecting Rod Assy. (Std.) (Incl.15, 1 6 & 17)
	34383	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.
	33470	Camshaft (MCR) (Straight)
	33472 33471	Lifter, Valve
	33505	Rod, Push
		Intake Valve (Std.)
	33645 33506	Intake Valve (1/32" OS)
	33646	Exhaust Valve (Std.) Exhaust Valve (1/32" OS)
	33507	
	33508	Spring, Valve Retainer & Cap Set, Keeper valve
	33509	* "O" Ring (Intake only) (Also Incl. in 251)
	34410	* "O" Ring (Exhaust only) (Also Incl. in 251)
	33510	Cap, Valve
	33473	Governor Gear & Shaft Ass'y. (Straigh t)
	650745	
	35479	Washer, Flat Washer, Flat (Use with 35322 spool)
	30590A	• •
	31948	Washer, Flat Spool, Governor
	31956B	* Gasket, Cylinder cover
	34221	Cylinder Cover Ass'y. (Incl. 10, 10A, 33, 36, 37, 38, 93, 194
32	J 1 22 I	
		& 195)
33	31950	* Seal, Oil
	650451	Screw, 1/4-20 x 1"
35	650588	Screw, 1/4-20 x 2"

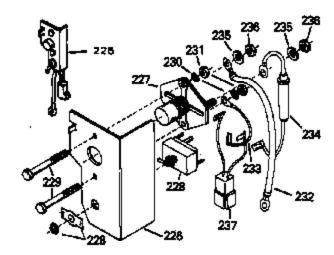
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		Ųty	Description
	32425		Rod Assy., Governor
	32426		Spacer, Governor rod
	29193		Ring, Retaining
	650736		Screw, 10-16 x 3/8"
	33495		Cover, Cylinder head
41	34225A		* Gasket, Cylinder head
42	34775		Head, Cylinder
45	35552		Spark Plug (RL-82C)
46A	650691		Washer, Flat
46	650690		Washer, Belleville
47	650692		Screw, 5/16-18 x 1-3/4"
47A	650746		Screw, 5/16-18 x 1-3/8"
48	730218		Valve Guide Kit (Incl. 49)
49	792035		Ring, Retaining
50	33515A		* Gasket, Intake pipe
	33475		Pipe, Intake
52	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
	31965		Plate, Governor spring
	31984A		Lever Assy., Control
	28558		Washer, Wave
	31966		•
	650597		Bushing, Governor lever 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
	650624		Screw, 5/16-24 x 9/16"
	650595		Screw, 5/16-24 x 3/8"
87	650752		Screw, 1/4-20 x 7/16"
88	35475		Tube, Push rod
89	33481		* "O" Ring (Also Incl. in 251)
90	34754		Housing, Rocker arm
93	8345		Washer, Flat
94	33484		* "O" Ring (Also Incl. in 251)

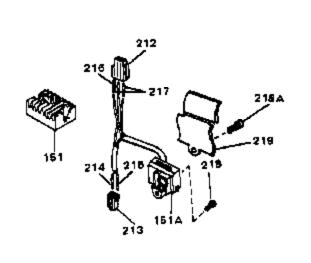
Ref #	Part Number Qty	Description
	650168	Washer, Flat
96	32610A	Screw, 1/4-20 x 29/32"
	33485	Arm, Rocker
	33486	Ring, Retaining
	650755	Screw, 1/4-20 x 3/4"
	650864	Nut, Hex, 1/4-20
	650756	Stud, Rocker arm
	33487	* "O" Ring (Also Incl. in 251)
	33488	Cover, Rocker arm
	31958A	* Gasket, Breather (Also Incl. in 251)
	33489	Body Assy., Breather
	33490	Tube, Breather
	30102	* Screw, 10-32 x 5/8" (Also Incl. in 25 1)
	650738	Screw, 1/4-20 x 5/8"
	35471	* Gasket, Air cleaner
	35472	Bracket, Air cleaner
	650399	Screw, 10-32 x 5/8"
	32008	Element, Air cleaner
	32810	Cover, Air cleaner
	650513	Nut, Wing
	32426	Spacer, Screen
	33776	Screen, Pulley
	650670	Screw, 1/4-20 x 3/4"
	27070	Washer, Lock
	650675	Washer, Flat
	650590	Nut, Conduit
	32143	Nipple, Exhaust
	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
4.47	700000	
	792028	Screw, 5/16-18 x 7/8"
	650399	Screw, 10-32 x 5/8"
	610965	Stator Plate Assy. * Cooleat Shim (2004/005 think) NOTE: Determine the gap
100	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
		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
101	32001	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
		שאמטבושווושו שב עשבע מש וב
158	610118	Cover, Spark plug
	610750	Grommet, Lead wire
160	610408	Nut, 8-32

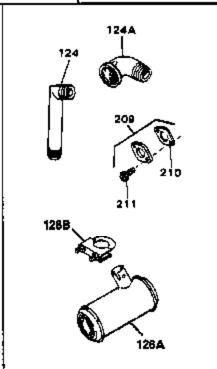
Ref #	Part Number Qt	/ Description
161	610908	Terminal, Female
164	33356	Terminal
165	650760	Screw, 8-32 x 3/8"
166	28545	Grommet, Plastic
167	650890	Washer, Lock
167A	26073	Washer, Flat
168	32039	Switch, Stop
169A	27793	Clip, Conduit
170	28942	Screw, 10-32 x 3/8"
189	33993A	Dipstick (Incl. 190)
190	33590	"O" Ring
191	33992A	Tube, Oil filler
193	29443	Clip, Wire
244	34346	Decal, Instruction
244A	34768	Decal, Name
246	631687	Valve, Seat & Spring Assy.
247	632190	Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A, page 160 for breakdown)
	33516G 35075	* Gasket Set (Incl. items marked *) "O" Ring Kit (Incl. Nos. items marked +)
		- ,

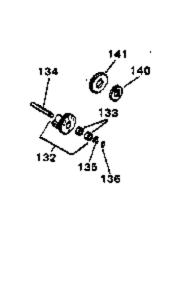
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

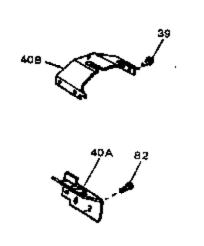
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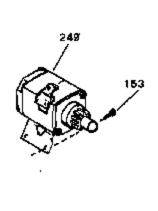


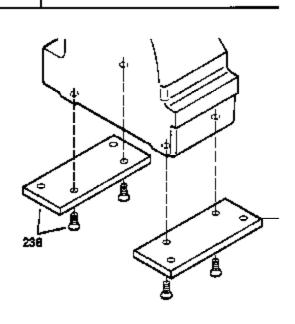






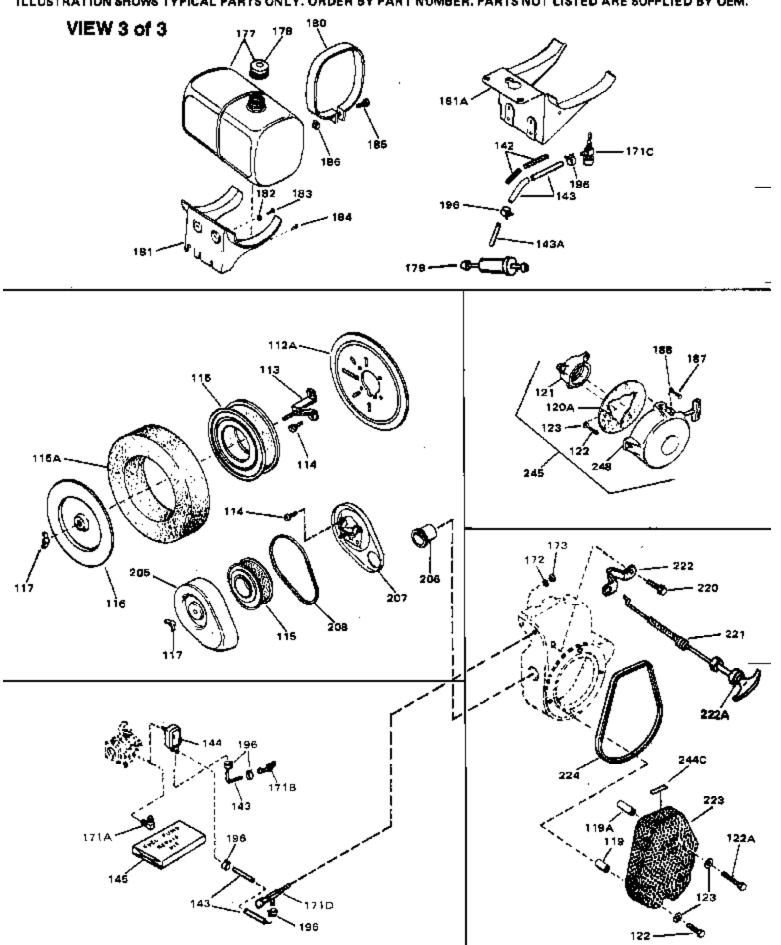






Ref #	Part Number (Oty Description
	650736 35731	Screw, 10-16 x 3/8" Muffler (Incl. 126B) Gear, Counterbalance weight (Straight teeth) (For replacement see Ref. 132. Order correct kit for your enginemodel number.)
153 209 210 211	792028 650781 730178 34102B 30196 730212	Screw, 5/16-18 x 7/8"(Use w/32817 str .motor) Screw,5/16-18 x 11/16"(Use w/33835 st r.motor) Ech.Adapter Kit (Incl.210 & 211)(As r equired) Gasket, Exhaust (Use as required) Screw, 5/16-18 x 3/4" (Use as require d) 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
249	33835	Electric Starter Motor (12-Volt) (Refer to Division 5, Section D for breakdown)

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



Ref #	Part Number	Qty	Description
114	650399		Screw, 10-32 x 5/8"
115	32008		Element, Air cleaner
117	650513		Nut, Wing
119	32426		Spacer, Screen
122	650670		Screw, 1/4-20 x 3/4"
123	27070		Washer, Lock
123	650675		Washer, Flat
143	29774		Fuel Line (Braided 8.25")(21 cm)(As r equired)
143	30705		Fuel Line (Braided 16")(41 cm)(As req uired)
	30962		Fuel Line (Braided 32")(81 cm)(As req uired)
	33981		Pump, Impulse fuel
	33010		Repair Kit, Impulse fuel pump
	29683		Valve, Fuel strainer & shut-off
	32958		Fitting, Fuel pump
	33979		Fuel Tank (Incl. 178)
	410144B		Fuel Cap (White Plastic)(Std)(As required)
178	34210		Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as required)
180	33980		Strap, Fuel tank
181	33978		Bracket, Fuel tank
182	650787		Washer, Belleville
183	650786		Screw, 1/4-20 x 5/8"
184	650785		Screw, 5/16-18 x 5/8"
185	650488		Screw, 1/4-20 x 1-1/4"
186	650456		Nut, Lock
196	26460		Clamp, Fuel line (Use as required)
245	730134		Rewind Starter Kit (Incl.120A, 121, 122, 187, 188 & 248) (Use as required)