

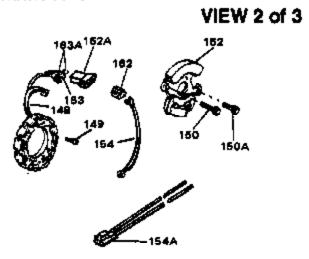
Ref #	Part Number	Qtv	Description
2 2 2 2 2 4	33707A 31927 28483 9556 28534 27652 33423B		Cylinder (Incl. 2, 4 & 33) (3-1/2" Bo re) Pipe Plug, 3/8-18 sq. head (Use as re quired) Pipe Plug (3/8-18 hex countersunk) (A s req.) Pipe Plug (3/4-14 sq.hd.)(As req.)(Bu y local) Pipe Plug (1/8-27 sq. hd.) (Use as re quired) Pipe Plug(1/8-27 hex c/sunk headless) (As req) Pin, Dowel 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.
7 8 9 10A 11A 11A 11A 11 11 11 11 12 13 13 13 14 14 14 14 15 16 17 18 19 20 21 21 22 22 23 24 25 25 29 30 31	29783 34692 31932 31928 34223 34222 32238B 32239B 32240B 34511 34512 34513 31919 32241 32242 32243 33093A 34383 34384 32077 26073 28264 34752 33472 33471 33505 33645 33506 33646 33507 33508 33509 34410 33510 34751 650745 35479 30590A 31948 31956B 34095		Pin, Crankshaft (Pelical) Bearing, Tapered roller Cup, Bearing Bearing & Seal Assy., Needle Bearing, Needle Piston & Pin Ass'y. (Std.)(3-1/2")(In cl.12) Piston & Pin Ass'y. (.010" OS) (Incl. 12) Piston & Pin Ass'y. (.020 " OS) (Incl. 12) Piston, Pin & Ring Set (Std.) (3-1/2" Bore) Piston, Pin & Ring Set (.010" OS) Piston, Pin & Ring Set (.020" OS) Ring, Piston pin retaining Ring Set (Std.) (3-1/2" Bore) Ring, Piston pin retaining Ring Set (.020" OS) Ring Set (.020" OS) Connecting Rod Assy.(Std.)(Incl.15, 1 6 & 17) Connecting Rod Assy.(.020" US)(Incl.1 5,16,17) Connecting Rod Assy.(.020" US)(Incl.1 5,16.17) Bolt, Connecting rod Washer, Connecting rod Nut Assy. Camshaft (MCR) (Helical) Lifter, Valve Rod, Push Intake Valve (Std.) Intake Valve (Std.) Exhaust Valve (Std.) Exhaust Valve (Nd.) Exhaust
34	31950 650451 650588		* Seal, Oil Screw, 1/4-20 x 1" Screw, 1/4-20 x 2"

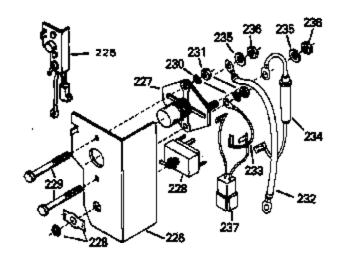
Ref #	Part Number Qty	Description
	32425	Rod Assy., Governor
	32426	Spacer, Governor rod
	29193	Ring, Retaining
	650736	Screw, 10-16 x 3/8"
	33495	Cover, Cylinder head
	34225A	* Gasket, Cylinder head
	34753	Head, Cylinder
	35049	Guard, Flywheel
	35552	Spark Plug (RL-82C)
	650691	Washer, Flat
	650690	Washer, Belleville
	650746	Screw, 5/16-18 x 1-3/8"
	650692	Screw, 5/16-18 x 1-3/4"
	730218	Valve Guide Kit (Incl. 49)
	792035	Ring, Retaining
	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)
	33983	Link, Governor lever-to-throttle leve r
	33478	Link, Governor lever-to-throttle leve r
	31963	·
	31964	Lever, Governor Clamp, Governor lever
	650518	Lockwasher, No. 10 E.T.
	30312	Screw, 10-32 x 1/2"
	650544	
	7975	Screw, Torx T-25, 10-24 x 7/8" Nut, 10-24
	31965	·
		Plate, Governor spring
	34456	Lever Assy., Control
	31966	Bushing, Governor lever
	650597 33982	Screw, 10-24 x 5/8"
	650591	Spring, Governor
	33099	Screw, 10-24 x 2"
	32599	Spring "O" Ping (Incl. in 251)
	650666	"O" Ring (Incl. in 251)
	32579	Washer, Lock
	650561	Baffle, Blower housing
	650592	Screw, 1/4-20 x 5/8"
	730201	Key, Flywheel Trigger Pin Kit (Use as required)
	610909	Flywheel
	650594	•
	610906	Nut, Flywheel Solid State Magneto (Incl. 158 thru 1 61)
	650661	Screw, 1/4-20 x 3/4"
	33479	Extension, Blower housing
		•
	650751 34314B	Screw, 1/4-20 x 7/16"  Blower Hea (Incl. 218A 219)/For elec s tarter)
	8274	Blower Hsg.(Incl.218A,219)(For elec.s tarter)
		Washer, Lock
	8274 650505	Washer, Lock
	650595 650505	Screw, 5/16-24 x 3/8" Screw, 5/16-24 x 3/9"
	650595 650753	Screw, 5/16-24 x 3/8" Screw, 1/4-20 x 7/46"
	650752 35475	Screw, 1/4-20 x 7/16"
	35475 33484	Tube, Push rod * "O" Ping (Alco Incl. in 351)
	33481 34754	* "O" Ring (Also Incl. in 251)
90	34754	Housing, Rocker arm

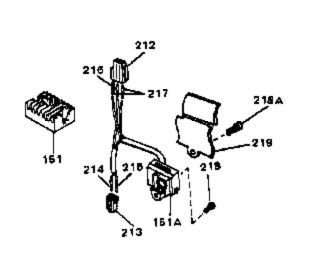
Dof #	Dort Number	/ Description
	Part Number Qt	
	8345	Washer, Flat
	33484	* "O" Ring (Also Incl. in 251)
	650168	Washer, Flat
	32610A	Screw, 1/4-20 x 29/32"
	33485	Arm, Rocker
	33486	Ring, Retaining
	650755	Screw, 1/4-20 x 3/4"
	650864	Nut, Hex, 1/4-20
	650756	Stud, Rocker arm
	33487	* "O" Ring (Also Incl. in 251)
	33488	Cover, Rocker arm
	31958A	* Gasket, Breather (Also Incl. in 251)
	33489	Body Assy., Breather
	33490	Tube, Breather  * Sergy 10.33 v 5/9" (Also Incl. in 35.1)
	30102	* Screw, 10-32 x 5/8" (Also Incl. in 25 1)
	650738	Screw, 1/4-20 x 5/8"  * Cooket Air deeper
	35471 35472	* Gasket, Air cleaner
	35472 650399	Bracket, Air cleaner
	32008	Screw, 10-32 x 5/8"
	32810	Element, Air cleaner Cover, Air cleaner
	650513	Nut, Wing
	33776	Screen, Pulley
	27070	Washer, Lock
	33450	Nut, Lock, 10-32
	30845A	Bolt, Governor spring adj.
	650488	Screw, 1/4-20 x 1-1/4"
	34457	Bracket, Control
	650168	Washer, Flat
	32577	Cover, Cylinder NOTE: Determine the gap between the cover
110	02011	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	70000	
	792028	Screw, 5/16-18 x 7/8"
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
		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
107	32031	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
		•
	610118	Cover, Spark plug
	610750	Grommet, Lead wire
160	610408	Nut, 8-32

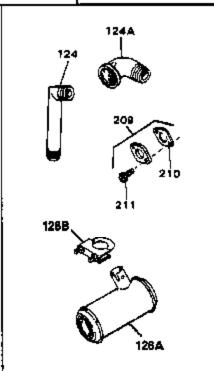
Ref #	Part Number C	ty Description
161	610908	Terminal, Female
189	33993A	Dipstick (Incl. 190)
190	33590	"O" Ring
191	33992A	Tube, Oil filler
244B	31752	Decal, Air cleaner
244A	34768	Decal, Name
244	34346	Decal, Instruction
246	631687	Valve, Seat & Spring Assy.
247	632205	Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A,
		page 160 for breakdown)
250	33516G	* Gasket Set (Incl. items marked *)
	35075	"O" Ring Kit (Incl. Nos. items marked +)
201	00010	o rang rat (mon reconcerne mande r)

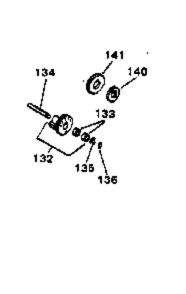
## ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

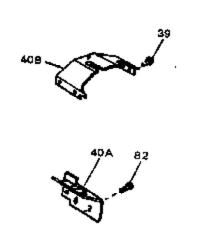


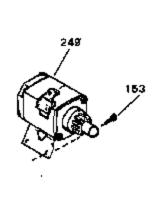


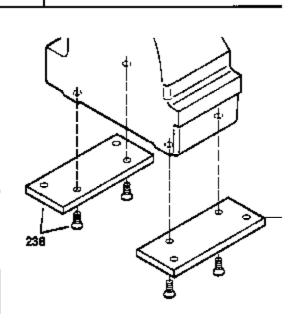






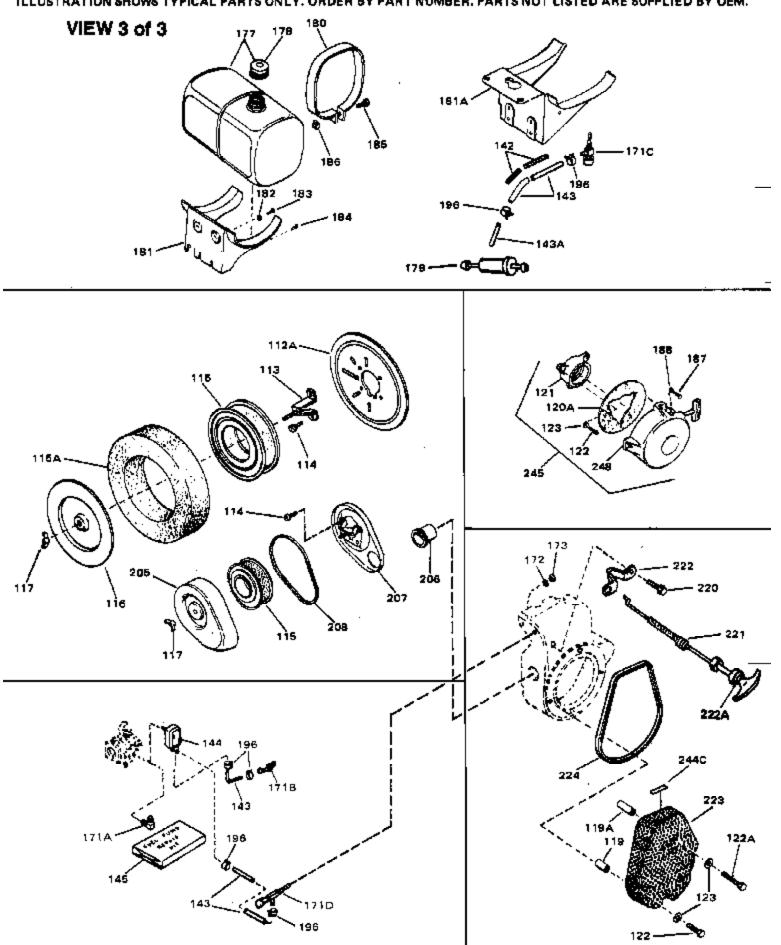






Ref #	Part Number	Qty	Description
39	650736		Screw, 10-16 x 3/8"
	35731		Muffler (Incl. 126B)
141			Gear, Counterbalance weight (Straight teeth) (For
			replacement see Ref. 132. Order correct kit for your
			enginemodel number.)
148	610902		Alt.Coil Ass'y. (Incl.162,163,163A) ( 20 amp)
149	650521		Screw, 10-32 x 1-1/8"
	610996		Regulator (20 Amp) (Incl. 212 thru 21 8)
	792028		Screw, 5/16-18 x 7/8"(Use w/32817 str .motor)
	650781		Screw,5/16-18 x 11/16"(Use w/33835 st r.motor)
	610903		Connector, Flat
	610905		Terminal
	610904		Terminal
	730178		Ech.Adapter Kit (Incl.210 & 211)(As r equired)
	34102B		Gasket, Exhaust (Use as required)
	30196		Screw, 5/16-18 x 3/4" (Use as require d)
	610990		Connector, Male
	610921		Connector
	610922		Terminal
	610989		Terminal
	610992		Terminal, Female
	610991		Terminal, Female
	30063		Screw, 1/4-20 x 1/2"
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
			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
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)
144	34392A		Pump, Impulse fuel
145	33010		Repair Kit, Impulse fuel pump
171A	28566		Fitting, Fuel line
178	410144B		Fuel Cap (White Plastic)(Std)(As requ ired)
178	34210		Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as required)
184	650785		Screw, 5/16-18 x 5/8"
196	26460		Clamp, Fuel line (Use as required)
245	730134		Rewind Starter Kit (Incl.120A, 121, 122, 187, 188 & 248) (Use as required)