

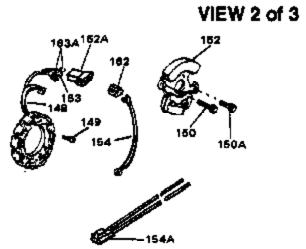
Ref #	Part Number	Qtv	Description
2 2 2 2 2 4	34291A 31927 28483 9556 28534 27652 33977B		Cylinder (Incl. 2, 4 & 33) (3-1/8" Bo re) Pipe Plug, 3/8-18 sq. head (Use as re quired) Pipe Plug (3/8-18 hex countersunk) (A s req.) Pipe Plug (3/4-14 sq.hd.)(As req.)(Bu y local) Pipe Plug (1/8-27 sq. hd.) (Use 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 10 10A 11A 11A 11A 11 11 11 11 12 13 13 14 14 14 14 15 16 17 18 19 20 21 21 22 22 23 24 25A 25 29 30 31	29783 34692 31932 31928 34222 34223 34293B 34293B 34294B 34546 34547 34548 31919 34297 34298 34299 33093A 34383 34384 32077 26073 28264 34752 33471 33505 33645 33506 33646 33507 33508 34410 33509 33510 34751 650745 35479 30590A 31948 31956B 34095		Pin, Crankshaft (pelical) Bearing, Tapered roller Cup, Bearing Bearing, Needle Bearing & Seal Assy., Needle Piston & Pin Ass'y. (Std.)(3-1/8")(In d.12) Piston & Pin Ass'y. (.010" OS) (Incl. 12) Piston & Pin Ass'y. (.020" OS) (Incl. 12) Piston, Pin & Ring Set (Std.) (3-1/8" Bore) Piston, Pin & Ring Set (.010" OS) Piston, Pin & Ring Set (.020" OS) Ring, Piston pin retaining Ring Set (Std.) (3-1/8" Bore) Ring Set (.010" OS) Ring Set (.010" OS) Ring Set (.020" OS) Connecting Rod Assy.(Std.)(Incl.15, 1 6 & 17) Connecting Rod Assy.(.010" 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 (1/32" OS) Exhaust Valve (Std.) Exhaust Valve (Std.) Exhaust Valve (Retainer & Cap Set, Keeper valve * "O" Ring (Exhaust only) (Also Incl. in 251) * "O" Ring (Intake only) (Also Incl. in 251) Covernor Gear Ass'y. (Helical) Washer, Flat Washer, Flat Washer, Flat Use with 35322 spool) Washer, Flat Spool, Governor * Gasket, Cylinder cover Cylinder Cover Ass'y. (Incl. 2, 10, 10A, 33, 36, 37, 38, 93, 194 & 195)
34	31950 650451 650588		* Seal, Oil Screw, 1/4-20 x 1" Screw, 1/4-20 x 2"

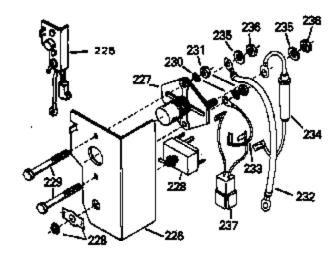
		Description
36	32425	Rod Assy., Governor
37	32426	Spacer, Governor rod
38	29193	Ring, Retaining
39	650736	Screw, 10-16 x 3/8"
	33495	Cover, Cylinder head
	34302A	* Gasket, Cylinder head
	34767	Head, Cylinder
	31980	Pulley, Starter
	32046	Rope Assy., Starter
	35552	Spark Plug (RL-82C)
	650690	Washer, Belleville
	650691	Washer, Flat
	650692	Screw, 5/16-18 x 1-3/4"
	650746	Screw, 5/16-18 x 1-3/8"
	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 702075	Baffle, Air cleaner
	792075	Nut, Lock 5/16-24 (Used in early prod uction)
	33478	Link, Governor lever-to-throttle leve r
	33983	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
	34456	Lever Assy., Control
	31966	Bushing, Governor lever
	650597	Screw, 10-24 x 5/8"
	33982	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"
76	650592	Key, Flywheel
77A	730201	Trigger Pin Kit (Use as required)
77	610967	Flywheel (w/ring gear)
78	650594	Nut, Flywheel
79	610906	Solid State Magneto (Incl. 158 thru 1 61)
80	650661	Screw, 1/4-20 x 3/4"
81	33479	Extension, Blower housing
83	650751	Screw, 1/4-20 x 7/16"
	34314B	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"
	650752	Screw, 1/4-20 x 7/16"
	35475	Tube, Push rod
	33481	* "O" Ring (Also Incl. in 251)
	34754	Housing, Rocker arm
30		

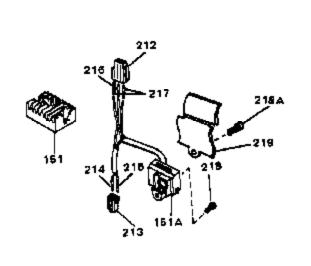
Ref #	Part Number Qty	Description
91	33013	Cover, Starter bubble
	650701	Screw, 8-18 x 7/16"
	8345	Washer, Flat
	33484	
		* "O" Ring (Also Incl. in 251)
	650168	Washer, Flat
	32610A	Screw, 1/4-20 x 29/32"
	33485	Arm, Rocker
	33486	Ring, Retaining
99	650755	Screw, 1/4-20 x 3/4"
100	650864	Nut, Hex, 1/4-20
101	650756	Stud, Rocker arm
102	33487	* "O" Ring (Also Incl. in 251)
103	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" * Cooket Air classes
	35471 35472	* 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
119	31992	Spacer, Screen
120	33776	Screen, Pulley
122	650680	Screw, 1/4-20 x 1-1/2"
123	27070	Washer, Lock
125	650590	Nut, Conduit
	32143	Nipple, Exhaust
	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
140	32311	
		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"
	650399	Screw, 10-32 x 5/8"
	610983	Stator Plate Assy. (w/exciter coil)
	31971	
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
130	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

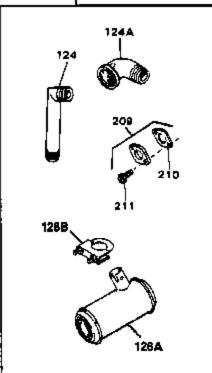
Ref #	Part Number	Qty Description
	32031	* Spacer, Steel (.010 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder, which can be from .001" up to .007", in which case no shim gaskets will be required. Use of gaskets must be limited to a combined total of .010" thick. Steel spacersmust be used as re
158	610118	Cover, Spark plug
159	610750	Grommet, Lead wire
160	610408	Nut, 8-32
161	610908	Terminal, Female
164	33356	Terminal
165	650760	Screw, 8-32 x 3/8"
	28545	Grommet, Plastic
	26073	Washer, Flat
	650890	Washer, Lock
	32039	Switch, Stop
	33993A	Dipstick (Incl. 190)
	33590	"O" Ring
	33992A	Tube, Oil filler
	29443	Clip, Wire
	34346	Decal, Instruction
	31752	Decal, Air cleaner
	34768	Decal, Name
	632024	Valve, Seat & Spring Assy.
247	632221	Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A, page 160 for breakdown) (Refer to Division 5, Section D for breakdown)
250	33516G	* Gasket Set (Incl. items marked *)
	35075	"O" Ring Kit (Incl. Nos. items marked +)

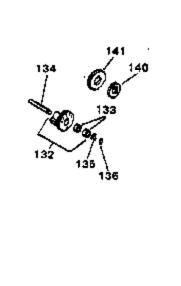
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

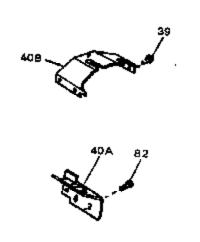


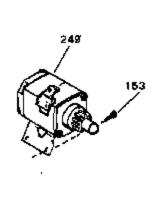


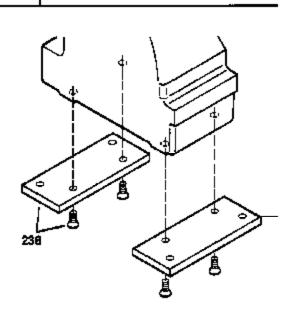






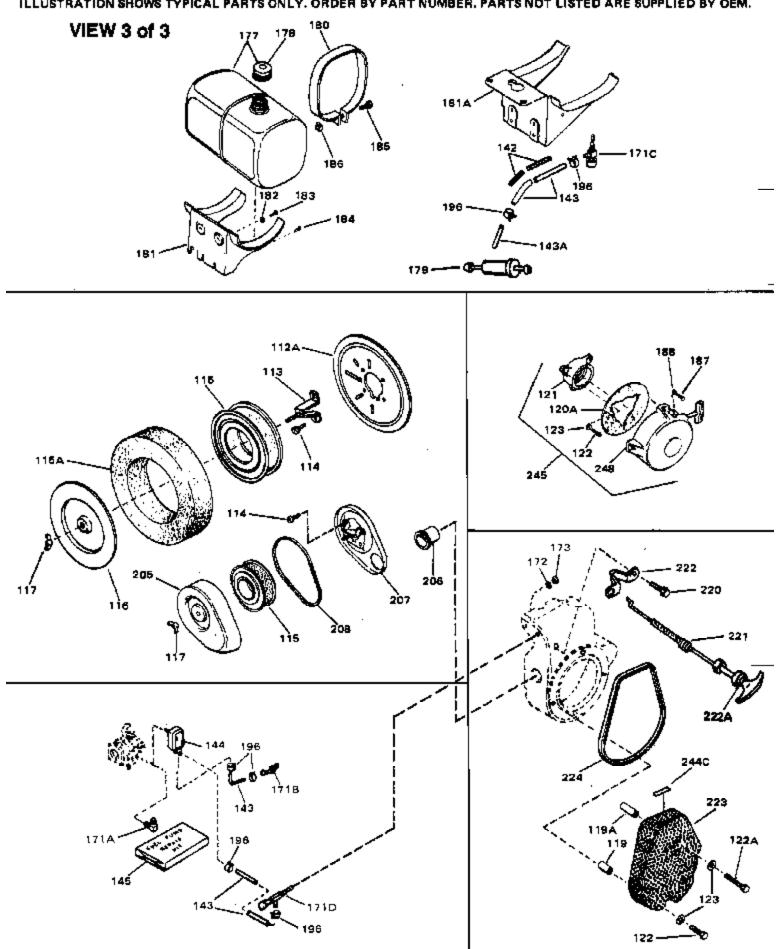






Ref #	Part Number Qt	y Description
39	650736	Screw, 10-16 x 3/8"
126A	35731	Muffler (Incl. 126B)
141		Gear, Counterbalance weight (Straight teeth) (For replacement see Ref. 132. Order correct kit for your enginemodel number.)
153	792028	Screw, 5/16-18 x 7/8"(Use w/32817 str .motor)
153	650781	Screw,5/16-18 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
114	650399		Screw, 10-32 x 5/8"
115	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)
	30962		Fuel Line (Braided 32")(81 cm)(As req uired)
	34392A		Pump, Impulse fuel
	33010		Repair Kit, Impulse fuel pump
	29683		Valve, Fuel strainer & shut-off
	28566		Fitting, Fuel line
	33979		Fuel Tank (Incl. 178)
	410144B		Fuel Cap (White Plastic)(Std)(As requ ired)
178	34210		Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
			required)
180	33980		Strap, Fuel tank
	33978		Bracket, Fuel tank
	650787		Washer, Belleville
	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)