

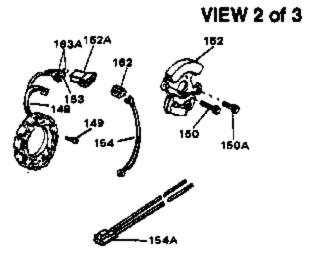
Ref #	Part Number	Qty	Description
2 2 2 2 2 4	34291A 31927 28483 9556 28534 27652 33977B		Cylinder (Incl. 2, 4 & 33) (3-1/8" Bo re) Pipe Plug, 3/8-18 sq. head (Use as re quired) Pipe Plug (3/8-18 hex countersunk) (A s req.) Pipe Plug (3/4-14 sq.hd.)(As req.)(Bu y local) Pipe Plug (1/8-27 sq. hd.) (Use 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 12 13 13 13 14 14 14 15 16 17 18 19 20 21 21 22 22 23 24 25A 25 26 27 28 30 31	29783 34692 31932 31928 34222 34223 34292B 34293B 34294B 34546 34547 34548 31919 34297 34298 34299 33093A 34383 34384 32077 26073 28264 34752 33472 33471 33505 33645 33506 33646 33507 33508 34410 33509 33510 34751 650745 35479 35322 31956B 34095		Pin, Crankshaft gear Gear Crankshaft (Helical) Bearing, Tapered roller Cup, Bearing Bearing, Needle Bearing & Seal Assy., Needle Piston & Pin Ass'y. (Std.)(3-1/8")(In cl.12) Piston & Pin Ass'y. (.020" 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 (Std.) Exhaust Valve (Std.) Exhaust Valve (Std.) Exhaust Valve (Std.) Exhaust Valve (Rod.) "O" Ring (Exhaust only) (Also Incl. i n 251) "O" Ring (Intake only) (Also Incl. in 251) "O" Ring (Intake only) (Also Incl. in 251) Cap, Valve Governor Gear Ass'y. (Helical) Washer, Flat Washer, Flat (Use with 35322 spool) Spool, Governor "Gasket, Cylinder cover Cylinder Cover Ass'y. (Incl. 2, 10, 10A, 33, 36, 37, 38, 93, 194 & 195)
34 35	31950 650451 650588 32425		* Seal, Oil Screw, 1/4-20 x 1" Screw, 1/4-20 x 2" Rod Assy., Governor

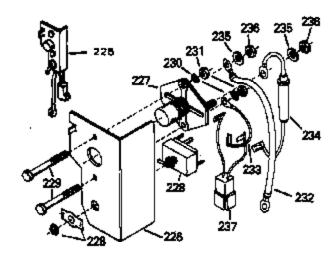
Ref #	Part Number Qty	Description
	32426	Spacer, Governor rod
	29193	Ring, Retaining
	650736	Screw, 10-16 x 3/8"
	33495	Cover, Cylinder head
	34302A	* Gasket, Cylinder head
	34767	Head, Cylinder
	31980	Pulley, Starter
	32046	Rope Assy., Starter
	35552	Spark Plug (RL-82C)
	650690	Washer, Belleville
	650691	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	
	33476A	Screw, 5/16-18 x 7/8" * Gocket, Carburator
		* Gasket, Carburetor Baffle, Air cleaner
	33477A 702075	,
	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"
	34458	Spring, Governor
	34458	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"
	34314B	Blower Hsg.(Incl.218A,219)(For elec.s tarter)
	8274	Washer, Lock
	650595	Screw, 5/16-24 x 3/8"
	650624	Screw, 5/16-24 x 9/16"
	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

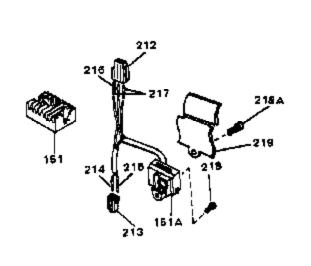
	Dort Ni web or	\ 4	Description
	Part Number Q 33013	ιy	Description Cover Starter hubble
			Cover, Starter bubble
	650701		Screw, 8-18 x 7/16"
	8345		Washer, Flat * "O" Ping (Alac Incl. in 251)
	33484		* "O" Ring (Also Incl. in 251)
	650168		Washer, Flat
	32610A		Screw, 1/4-20 x 29/32"
	33485		Arm, Rocker
	33486		Ring, Retaining
	650755		Screw, 1/4-20 x 3/4"
	650864		Nut, Hex, 1/4-20
101	650756		Stud, Rocker arm
102	33487		* "O" Ring (Also Incl. in 251)
103	33488		Cover, Rocker arm
104	31958A		* Gasket, Breather (Also Incl. in 251)
105	33489		Body Assy., Breather
106	33490		Tube, Breather
107	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
	31992		
			Spacer, Screen
	33776		Screen, Pulley
	650680		Screw, 1/4-20 x 1-1/2"
	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
146	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"
	650399		Screw, 10-32 x 5/8"
	610965		Stator Plate Assy.
	31971		* Gasket, Shim (.004/.005 thick) NOTE: Determine the gap
133	31971		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			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
			ορασσιστιασί να ασσα α

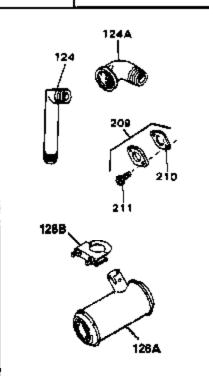
Ref #	Part Number Qty	Description
157	32031	* Spacer, Steel (.010 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder, which can be from .001" up to .007", in which case no shim gaskets will be required. Use of gaskets must be limited to a combined total of .010" thick. Steel spacersmust be used as re
158	610118	Cover, Spark plug
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"
166	28545	Grommet, Plastic
167	650890	Washer, Lock
167A	26073	Washer, Flat
168	32039	Switch, Stop
	27793	Clip, Conduit
	28942	Screw, 10-32 x 3/8"
	35599	Dipstick
	35499	"O" Ring
	35574	Tube, Oil filler
	29443	Clip, Wire
	31752	Decal, Air cleaner
	34346	Decal, Instruction
	35532	Decal, Name
	631687	Valve, Seat & Spring Assy.
247	632458	Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A, page 204 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 +)

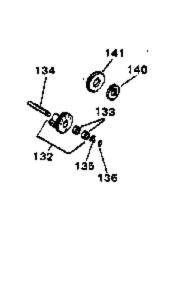
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

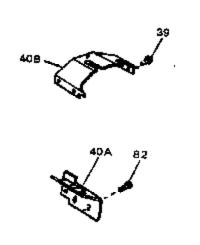


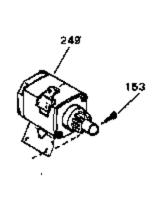


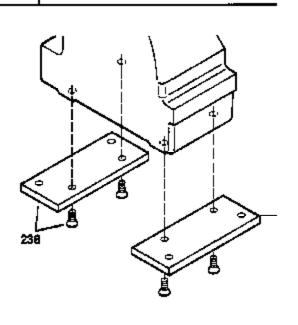






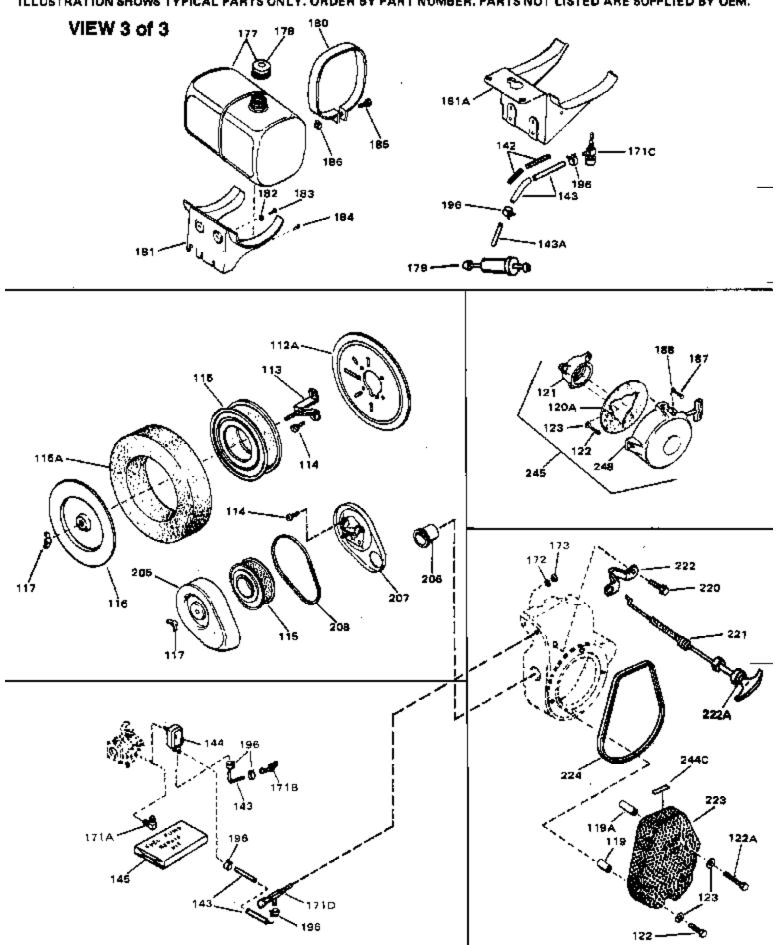






Ref #	Part Number Qt	y Description
39	650736	Screw, 10-16 x 3/8"
126A	35731	Muffler (Incl. 126B)
141		Gear, Counterbalance weight (Straight teeth) (For replacement see Ref. 132. Order correct kit for your enginemodel number.)
153	792028	Screw, 5/16-18 x 7/8"(Use w/32817 str .motor)
153	650781	Screw,5/16-18 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

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	31992		Spacer, Screen
	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)
	33715		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 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"
	650785		Screw, 5/16-18 x 5/8"
	650488		Screw, 1/4-20 x 1-1/4"
186	650456		Nut, Lock
	26460		Clamp, Fuel line (Use as required)
	730134		Rewind Starter Kit (Incl.120A, 121, 122, 187, 188 & 248)
			(Use as required)
			,