

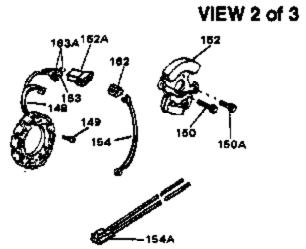
Ref #	Part Number	Qtv	Description
2 2 2 2 2 4	33823A 31927 28483 9556 28534 27652 33977B		Cylinder (Incl. 2, 4 & 33) (3-5/16" B ore) Pipe Plug, 3/8-18 sq. head (Use as re quired) Pipe Plug (3/8-18 hex countersunk) (A s req.) Pipe Plug (3/4-14 sq.hd.)(As req.)(Bu y local) Pipe Plug (1/8-27 sq. hd.) (Use 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 11A 11A 11A 11 11 11 12 13 13 13 14 14 14 14 15 16 17 18 19 20 21 21 22 22 22 22 23 24 25A 25 29 30 31	29783 31931 31932 31928 32001C 32002B 32003B 34508 34509 34510 31919 32004 32005 32006 33093A 34383 34384 32077 26073 28264 33470 33472 33471 33505 33645 33506 33646 33507 33508 34410 33509 33510 33473 650745 35479 30590A 31948 31956B 34095		Pin, Crankshaft (Straight) Bearing, Tapered roller Cup, Bearing Piston & Pin Ass'y. (Std.)(3-5/16")(I ncl.12) Piston & Pin Ass'y. (.010" OS) (Incl. 12) Piston & Pin Ass'y. (.020" OS) (Incl. 12) Piston & Pin Ass'y. (.020" OS) (Incl. 12) Piston, Pin & Ring Set (Std.) (3-5/16 " Bore) Piston, Pin & Ring Set (.010" OS) Piston, Pin & Ring Set (.020" OS) Ring, Piston pin retaining Ring Set (.010" OS) Ring, Piston pin retaining Ring Set (.010" OS) Ring Set (.010" OS) Ronnecting 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) (Straight) Lifter, Valve Rod, Push Intake Valve (Std.) Exhaust Valve (Std.) Exhaust Valve (1/32" OS) Exhaust Valve (1/32" OS) Spring, Valve Retainer & Cap Set, Keeper valve * "O" Ring (Exhaust only) (Also Incl. in 251) * "O" Ring (Intake only) (Also Incl. in 251) Cap, Valve Governor Gear & Shaft Ass'y. (Straigh t) Washer, Flat Washer, Flat Washer, Flat Spool, Governor * Gasket, Cylinder cover Cylinder Cover Ass'y. (Incl. 2, 10, 10A, 33, 36, 37, 38, 93, 194 & 195)
34 35 36	31950 650451 650588 32425 32426		* Seal, Oil Screw, 1/4-20 x 1" Screw, 1/4-20 x 2" Rod Assy., Governor Spacer, Governor rod

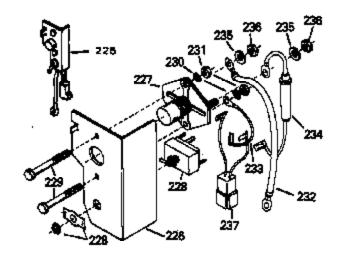
Ref #	Part Number Qt	Description
38	29193	Ring, Retaining
	650736	Screw, 10-16 x 3/8"
	33495	Cover, Cylinder head
	34225A	* Gasket, Cylinder head
	33763	· ·
		Head, Cylinder
	35552	Spark Plug (RL-82C)
	650690	Washer, Belleville
	650691	Washer, Flat
	650692	Screw, 5/16-18 x 1-3/4"
	650746	Screw, 5/16-18 x 1-3/8"
48	730218	Valve Guide Kit (Incl. 49)
49	792035	Ring, Retaining
50	33515A	* Gasket, Intake pipe
51	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)
	33983	Link, Governor lever-to-throttle leve r
	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"
	33982	Spring, Governor
	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"
	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"
81	33479	Extension, Blower housing
83	650751	Screw, 1/4-20 x 7/16"
84	33775A	Blower Hsg.(Incl.218A,219)(For elec.s tarter)
85	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
	33013	Cover, Starter bubble
	650701	•
92	000701	Screw, 8-18 x 7/16"

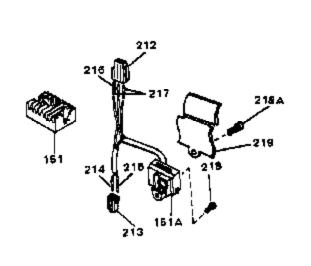
	Part Number	Qty	Description (All Indian Action 2014)
	33484		* "O" Ring (Also Incl. in 251)
	650168		Washer, Flat
	32610A		Screw, 1/4-20 x 29/32"
	33485		Arm, Rocker
98	33486		Ring, Retaining
99	650755		Screw, 1/4-20 x 3/4"
100	650864		Nut, Hex, 1/4-20
101	650756		Stud, Rocker arm
102	33487		* "O" Ring (Also Incl. in 251)
	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 650516		Nut, Wing Serow 4 /4 20 × 4 4 /8"
	650516		Screw, 1/4-20 x 1-1/8"
	650675		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"
	610983		Stator Plate Assy. (w/exciter coil)
	31971		* Gasket, Shim (.004/.005 thick) NOTE: Determine the gap
100	01071		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
			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
150	610118		Cover Sport plug
			Cover, Spark plug
	610750		Grommet, Lead wire
	610408		Nut, 8-32
	610908		Terminal, Female
	33356		Terminal
	650760		Screw, 8-32 x 3/8"
166	28545		Grommet, Plastic

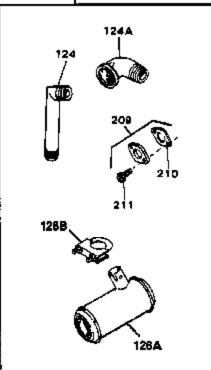
Ref #	Part Number C	ty Description
167	650890	Washer, Lock
167A	26073	Washer, Flat
168	32039	Switch, Stop
189	33993A	Dipstick (Incl. 190)
190	33590	"O" Ring
191	33992A	Tube, Oil filler
193	29443	Clip, Wire
244	34346	Decal, Instruction
244A	550223	Decal, Name
246	632024	Valve, Seat & Spring Assy.
247	632032	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 +)

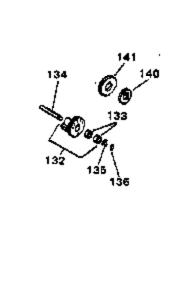
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

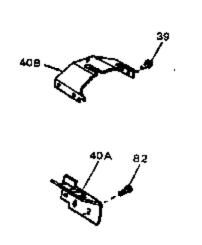


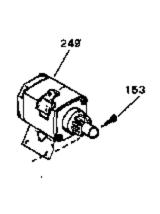


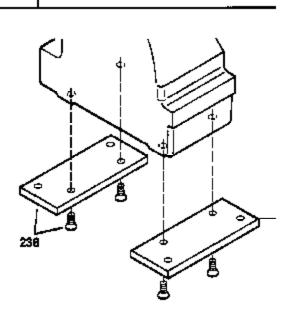






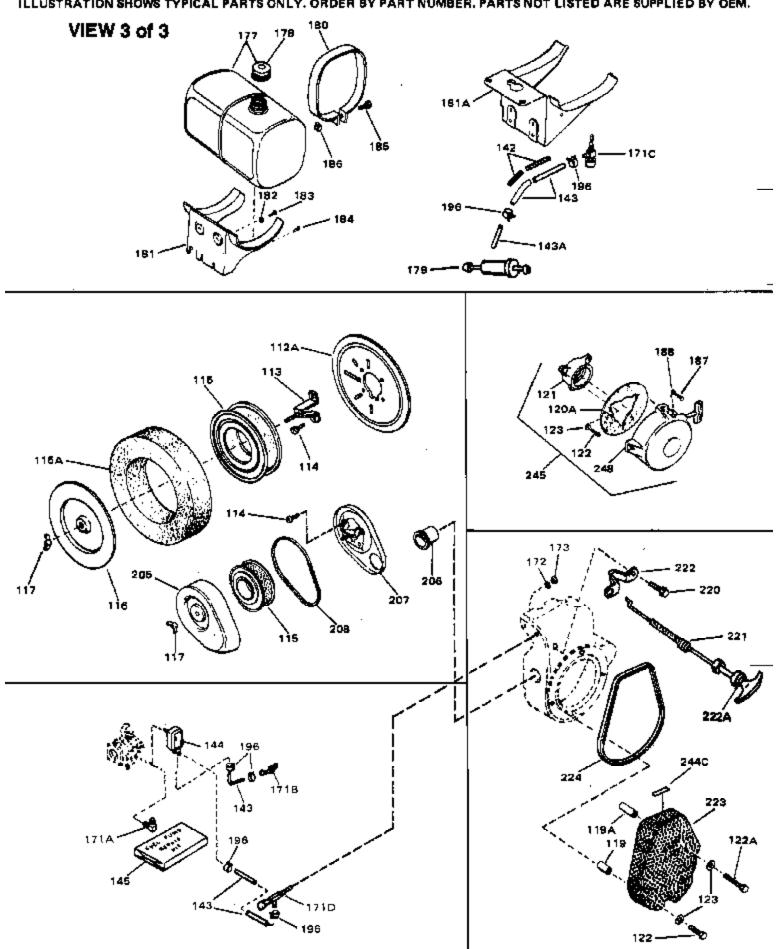






Ref #	Part Number Qty	Description
39	650736	Screw, 10-16 x 3/8"
126A	35731	Muffler (Incl. 126B)
141		Gear, Counterbalance weight (Straight teeth) (For replacement see Ref. 132. Order correct kit for your enginemodel number.)
153	792028	Screw, 5/16-18 x 7/8"(Use w/32817 str .motor)
153	650781	Screw,5/16-18 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"
115	32008		Element, Air cleaner
117	650513		Nut, Wing
120A	32049		Screen, Starter hub
121	32048		Hub, Starter
122	650516		Screw, 1/4-20 x 1-1/8"
123	650675		Washer, Flat
	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)
	33981		Pump, Impulse fuel
	33010		Repair Kit, Impulse fuel pump
171C	29683		Valve, Fuel strainer & shut-off
	32958		Fitting, Fuel pump
	33979		Fuel Tank (Incl. 178)
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"
	650456		Nut, Lock
187	650598		Screw, 1/4-28 x 3/4"
188	8345		Washer
196	26460		Clamp, Fuel line (Use as required)
245	730134		Rewind Starter Kit (Incl.120A, 121, 122, 187, 188 & 248)
			(Use as required)
040	E0040E A		Paying Starter / Pefer to Division F. Section C. nega 24 for
248	590405A		Rewind Starter (Refer to Division 5, Section C, page 24 for
			breakdown) (Refer to Division 5, Section D for breakdown)