

7 31931 8 31932 9 31928 11 34546 11 34547 11 34547 11 34548 11 34547 11 34548 11 34522B 11 34528 11 34529 11 34548 11 34529 11 34549 11 34549 11 34549 11 34548 11 34529B 11 3452B 11	1 2 2 2 2 2 2 4	34291A 31927 28483 9556 28534 27652	Qty	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
36 32425 Rod Assy., Governor 37 32426 Spacer, Governor rod	7 8 9 11 11 11 11 11 11 11 11 11 11 11 11 1	31931 31932 31928 34546 34547 34548 34292B 34293B 34294B 31919 34297 34298 34299 33093A 34383 34384 32077 26073 28264 33470 33472 33471 33505 33645 33506 33646 33507 33508 34410 33509 33510 33473 650745 35479 30590A 31948 31956 630650 650451		Pin, Crankshaft gear Gear, Crankshaft (Straight) Bearing, Tapered roller Cup, Bearing Piston, Pin & Ring Set (Std.) (3-1/8" Bore) Piston, Pin & Ring Set (.010" OS) Piston, Pin & Ring Set (.020" OS) Piston & Pin Ass'y. (Std.)(3-1/8")(In cl.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) Ring, Piston pin retaining Ring Set (Std.) (3-1/8" Bore) Ring Set (.010" OS) Ring Set (.010" 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 Washer, Connecting rod Nut Assy. Camshaft (MCR) (Straight) Lifter, Valve Rod, Push Intake Valve (Std.) Intake Valve (Std.) Exhaust Valve (Std.) Exhaust Valve (1/32" OS) Spring, Valve Retainer & Cap Set, Keeper valve * "O" Ring (Exhaust only) (Also Incl. in 251) Cap, Valve Governor Gear & Shaft Ass'y. (Straigh t) Washer, Flat Washer, Flat Washer, Flat Washer, Flat Spool, Governor * Gasket, Cylinder cover Cylinder Cover Assy.(Incl.2,33,36,37 & 38) * Seal, Oil Screw, 1/4-20 x 1"
	36 37	32425 32426		Rod Assy., Governor Spacer, Governor rod

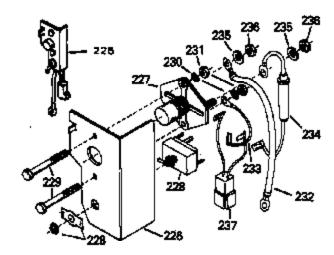
Ref #	Part Number C	ty Descript	ion
39	650736	Screw, 1	10-16 x 3/8"
	33495		Cylinder head
	34302A		t, Cylinder head
	34303	Head, C	
	31980	Pulley, S	
	32046		ssy., Starter
	33657		lug (L-82C)
	650690		, Belleville
	650691	Washer,	
	650746		5/16-18 x 1-3/8"
	650692		5/16-18 x 1-3/4"
	730218		uide Kit (Incl. 49)
	792035	Ring, Re	
	33515A		t, Intake pipe
	33475	Pipe, Int	
	650378		Forx T-30, 5/16-18 x 1-1/8"
	792028		5/16-18 x 7/8"
	33476A		t, Carburetor
	33477A		ir cleaner
	792075		k 5/16-24 (Used in early prod uction)
	33478	-	vernor lever-to-throttle leve r
	31963	Lever, G	
	31964		Governor lever
60	650518	Lockwas	sher, No. 10 E.T.
61	30312	Screw, 1	10-32 x 1/2"
62	650544	Screw, T	Гоrx T-25, 10-24 x 7/8"
63	7975	Nut, 10-2	24
64	31965	Plate, Go	overnor spring
65	31984A	Lever As	ssy., Control
66	28558	Washer,	Wave
67	31966	Bushing,	, Governor lever
68	650597	_	10-24 x 5/8"
	31967		Governor
	650591		10-24 x 2"
	33099	Spring	
	32599		g (Incl. in 251)
	650666	Washer,	
	32579		llower housing
	650561		1/4-20 x 5/8"
	650592	Key, Fly	
	730201		Pin Kit (Use as required)
	610967		I (w/ring gear)
	650594	Nut, Flyv	
	610906		ate Magneto (Incl. 158 thru 1 61)
	650661		1/4-20 x 3/4"
	33479		on, Blower housing
	30063		1/4-20 x 1/2"
	650751		1/4-20 x 7/16"
	33775A		Hsg.(Incl.218A,219)(For elec.s tarter)
	8274	Washer,	
	650624		, LOCK 5/16-24 x 9/16"
	650595		5/16-24 x 9/10 5/16-24 x 3/8"
		•	
	650752 35475	•	1/4-20 x 7/16"
	35475 33484	Tube, Pu	
	33481		ng (Also Incl. in 251)
	34754		, Rocker arm
	33013	•	Starter bubble
92	650701	Screw, 8	3-18 x 7/16"

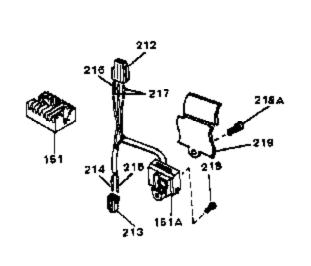
Ref #	Part Number (Qty	Description
94	33484		* "O" Ring (Also Incl. in 251)
95	650168		Washer, Flat
96	32610A		Screw, 1/4-20 x 29/32"
	33485		Arm, Rocker
	33486		Ring, Retaining
	650755		Screw, 1/4-20 x 3/4"
	650864		Nut, Hex, 1/4-20
	650756		Stud, Rocker arm
	33487		* "O" Ring (Also Incl. in 251)
	33488		Cover, Rocker arm
	31958A		* Gasket, Breather (Also Incl. in 251)
	33489		· · · · · · · · · · · · · · · · · · ·
	33490		Body Assy., Breather 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
	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
126	32043B		Muffler
127	32143		Nipple, Exhaust
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
			·
	792028		Screw, 5/16-18 x 7/8"
	650399		Screw, 10-32 x 5/8"
	610965		Stator Plate Assy.
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	24072		* Cooket Shim (005/007 thick) NOTE: Determine the gen
100	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
	3200.		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
			spaceronnust be used as it
158	610118		Cover, Spark plug
159	610750		Grommet, Lead wire
			•

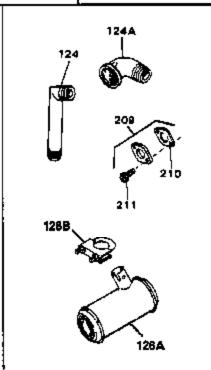
	- · · · ·	
		ty Description
	610408	Nut, 8-32
161	610908	Terminal, Female
164	33356	Terminal
165	650760	Screw, 8-32 x 3/8"
166	28545	Grommet, Plastic
167A	26073	Washer, Flat
167	650890	Washer, Lock
168	32039	Switch, Stop
169A	27793	Clip, Conduit
170	28942	Screw, 10-32 x 3/8"
189	33993A	Dipstick (Incl. 190)
190	33590	"O" Ring
191	33992A	Tube, Oil filler
193	29443	Clip, Wire
244	34346	Decal, Instruction
244A	550223	Decal, Name
246	631687	Valve, Seat & Spring Assy.
247	632021	Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A, page 124 for breakdown) (Refer to Division 5, Section D for breakdown)
250	33516G	* Gasket Set (Incl. items marked *)
251	35075	"O" Ring Kit (Incl. Nos. items marked +)

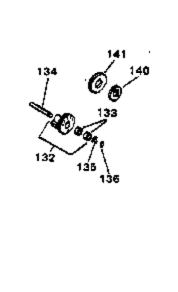
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

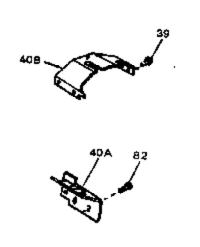
VIEW 2 of 3

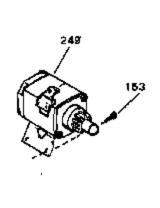


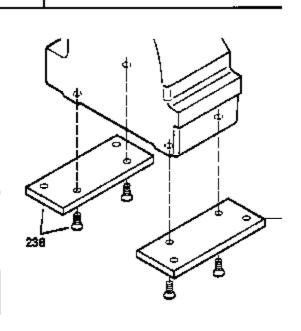






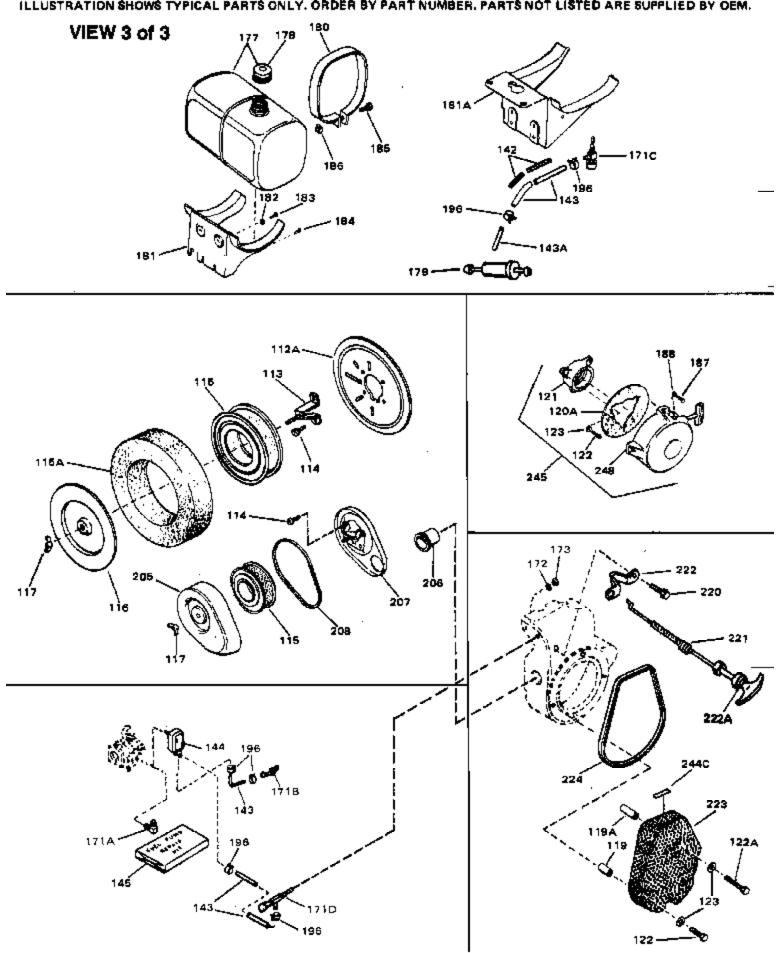






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	Part Number	Qty	Description
39	650736		Screw, 10-16 x 3/8"
82	30063		Screw, 1/4-20 x 1/2"
126A	35731		Muffler (Incl. 126B)
141			Gear, Counterbalance weight (Straight teeth) (For replacement see Ref. 132. Order correct kit for your enginemodel number.)
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
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)
143	30962		Fuel Line (Braided 32")(81 cm)(As req uired)
144	33981		Pump, Impulse fuel
145	33010		Repair Kit, Impulse fuel pump
171C	29683		Valve, Fuel strainer & shut-off
171B	32958		Fitting, Fuel pump
177	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
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)