

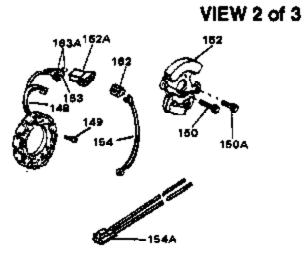
1 2 2 2 2 2 2 4	Part Number 33707A 31927 28483 9556 28534 27652 33390B	Qty	Description Cylinder (Incl. 2, 4 & 33) (3-1/2" Bo re) Pipe Plug, 3/8-18 sq. head (Use as re quired) Pipe Plug (3/8-18 hex countersunk) (A s req.) Pipe Plug (3/4-14 sq.hd.)(As req.)(Bu y local) Pipe Plug (1/8-27 sq. hd.) (Use as 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 11 11 11A 11A 11A 11A 11A 11A 11A 11A	29783 34692 31932 31928 34511 34512 34513 32238B 32239B 32240B 31919 32241 32242 32243 33093A 34383 34384 32077 26073 28264 34752 33471 33505 33645 33506 33646 33507 33508 33509 34410 33510 34751 650745 35479 30590A 31948 31956B 32685 31950 650451		pin, Crankshaft gear Gear Crankshaft (Helical) Bearing, Tapered roller Cup, Bearing Piston, Pin & Ring Set (Std.) (3-1/2" Bore) Piston, Pin & Ring Set (.010" OS) Piston, Pin & Ring Set (.020" OS) Piston, Pin & Ring Set (.020" OS) Piston & Pin Ass'y. (Std.)(3-1/2")(In cl.12) Piston & Pin Ass'y. (.010" OS) (Incl. 12) Piston & Pin Assy. (.020" OS) (Incl. 12) Ring, Piston pin retaining Ring Set (Std.) (3-1/2" Bore) 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 Washer, Connecting rod Nut Assy. Camshaft (MCR) (Helical) Lifter, Valve Rod, Push Intake Valve (Std.) Intake Valve (1/32" OS) Exhaust Valve (Std.) Exhaust Valve (Std.) Exhaust Valve (Std.) Exhaust Valve (I/32" OS) Spring, Valve Retainer & Cap Set, Keeper valve * "O" Ring (Intake only) (Also Incl. in 251) Cap, Valve Governor Gear Ass'y. (Helical) Washer, Flat Washer, Flat Washer, Flat Washer, Flat Use with 35322 spool) Washer, Flat Spool, Governor * Gasket, Cylinder cover Cyl.Cover Assy.(Incl.2,33,36,37,38,19 4 & 195) * Seal, Oil Screw, 1/4-20 x 1"
36 37	650588 32425 32426 29193		Screw, 1/4-20 x 2" Rod Assy., Governor Spacer, Governor rod Ring, Retaining

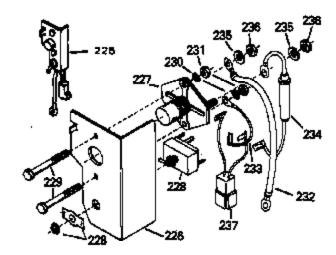
Ref #	Part Number Qty	Description
	650736	Screw, 10-16 x 3/8"
	33495	Cover, Cylinder head
	34225A	* Gasket, Cylinder head
	34753	in the second of
		Head, Cylinder
	31980	Pulley, Starter
	32046	Rope Assy., Starter
	33657	Spark Plug (L-82C)
	650691	Washer, Flat
	650690	Washer, Belleville
	650746	Screw, 5/16-18 x 1-3/8"
47	650692	Screw, 5/16-18 x 1-3/4"
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)
	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
	31965	Plate, Governor spring
	31984A	Lever Assy., Control
	28558	Washer, Wave
67	31966	Bushing, Governor lever
	650597	Screw, 10-24 x 5/8"
69	31967	Spring, Governor
70	650591	Screw, 10-24 x 2"
71	33099	Spring
72	32599	"O" Ring (Incl. in 251)
73	650666	Washer, Lock
74	32579	Baffle, Blower housing
	650561	Screw, 1/4-20 x 5/8"
	650592	Key, Flywheel
	610967	Flywheel (w/ring gear)
	730201	Trigger Pin Kit (Use as required)
	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"
		•
	33775A	Blower Hsg.(Incl.218A,219)(For elec.s tarter)
	8274 650624	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	Screw, 8-18 x 7/16"
94	33484	* "O" Ring (Also Incl. in 251)

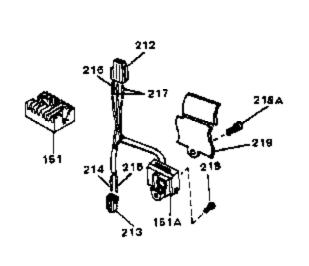
Ref #	Part Number Qt	y Description
95	650168	Washer, Flat
96	32610A	Screw, 1/4-20 x 29/32"
	33485	Arm, Rocker
	33486	Ring, Retaining
	650755	Screw, 1/4-20 x 3/4"
	650864	Nut, Hex, 1/4-20
	650756	Stud, Rocker arm
		·
	33487	* "O" Ring (Also Incl. in 251)
	33488	Cover, Rocker arm
	31958A	* Gasket, Breather (Also Incl. in 251)
	33489	Body Assy., Breather
	33490	Tube, Breather
	30102	* Screw, 10-32 x 5/8" (Also Incl. in 25 1)
108	650738	Screw, 1/4-20 x 5/8"
111	35471	* Gasket, Air cleaner
112	35472	Bracket, Air cleaner
114	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
	650590	
		Nut, Conduit
	32043B	Muffler
	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
147	792028	Screw, 5/16-18 x 7/8"
	650399	Screw, 10-32 x 5/8"
	610965	Stator Plate Assy.
	31971	
133	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
100	01072	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
		שאמטפושווושטו שב עשבע מש וב
158	610118	Cover, Spark plug
159	610750	Grommet, Lead wire
	610408	Nut, 8-32
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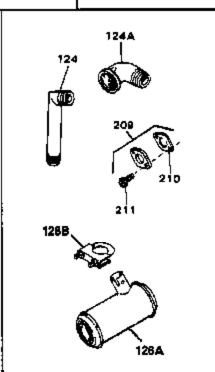
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	Part Number Qty	
	610908	Terminal, Female
	33356	Terminal
	650760	Screw, 8-32 x 3/8"
166	28545	Grommet, Plastic
167	650890	Washer, Lock
167A	26073	Washer, Flat
168	32039	Switch, Stop
169A	27793	Clip, Conduit
170	28942	Screw, 10-32 x 3/8"
189	33068	Dipstick (Incl. 190)
190	29985	"O" Ring`
191	32352	Tube, Oil filler
192	29673	* Gasket, Oil filler tube
193	29443	Clip, Wire
244A	34768	Decal, Name
244	34346	Decal, Instruction
244B	31752	Decal, Air cleaner
246	631687	Valve, Seat & Spring Assy.
	632197	Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A,
		page 160 for breakdown) (Refer to Division 5, Section D for
		breakdown)
0=0	005400	,
	33516G	* Gasket Set (Incl. items marked *)
251	35075	"O" Ring Kit (Incl. Nos. items marked +)

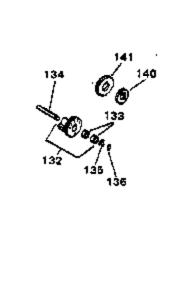
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

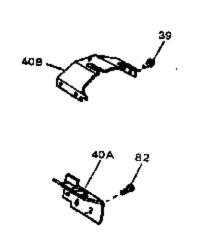


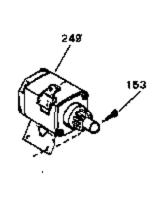


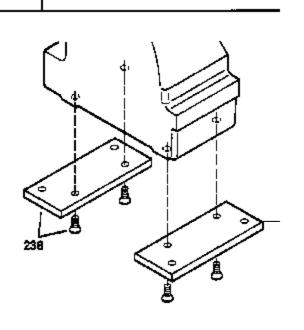






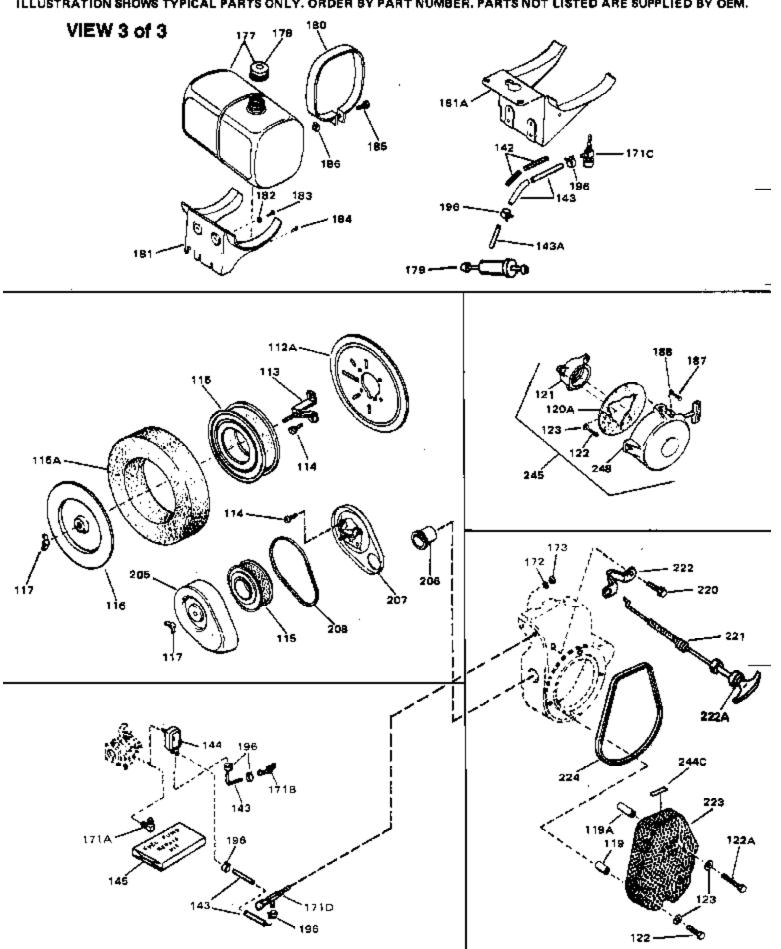






Ref #	Part Number	Qty	Description
39	650736		Screw, 10-16 x 3/8"
126A	35731		Muffler (Incl. 126B)
141			Gear, Counterbalance weight (Straight teeth) (For replacement see Ref. 132. Order correct kit for your enginemodel number.)
153	792028		Screw, 5/16-18 x 7/8"(Use w/32817 str .motor)
153	650781		Screw,5/16-18 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
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)
178	410144B		Fuel Cap (White Plastic)(Std)(As required)
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)
			(OOO do roganou)