

1 2 2 2 2 2 2 4	Part Number 34648A 31927 28483 9556 28534 27652 34169A	Qty	Description Cylinder (Incl. 2, 4 & 33) (3-5/8" 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 11 11 11A 11A 11A 11A 11A 12 13 13 14 14 14 15 16 17 18 19 20 21 21 22 22 23 24 25 25A 26 27 28 29 29 30 31 32 33	29783 34692 31932 31928 34624 34625 34626 34629 34630 34631 34634 34635 34636 34637 34640 35243 35244 32077 26073 28264 34752 33471 34643 34644 33506 33646 33507 33508 33509 34410 33510 34751 650745 35479 30590A 31948 31956 B 32580A 31950 650451		Pin, Crankshaft gear Gear Crankshaft (Helical) Bearing, Tapered roller Cup, Bearing Piston, Pin & Ring Set (.010" OS) Piston, Pin & Ring Set (.020" OS) Piston, Pin & Ring Set (.020" OS) Piston & Pin Ass'y. (Std.)(3-5/8")(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) Piston & Pin Ass'y. (.03" OS) Ring, Piston pin retaining Ring Set (Std.) (3-5/8" Bore) Ring Set (.010" OS) Ring Set (.020" OS) Connecting Rod Assy. (Incl. 15, 16 & 17) Connecting Rod Assy. (Incl. 15, 16 & 17) Connecting Rod Assy. (.020" 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.) Intake Valve (Std.) Exhaust Valve (Tid.) Exhaust Valve (Incl. in 251) *"O" Ring (Intake only) (Also Incl. in 251) Cap, Valve Governor Gear Ass'y. (Helical) Washer, Flat Washer, Flat Washer, Flat Use with 35322 spool) Washer, Flat Spool, Governor * Gasket, Cylinder cover Cylinder Cover Assy.(Incl.2,33,36,37 & 38) * Seal, Oil Screw, 1/4-20 x 1"
35 36 37	650588 32425 32426 29193		Screw, 1/4-20 x 2" Rod Assy., Governor Spacer, Governor rod Ring, Retaining

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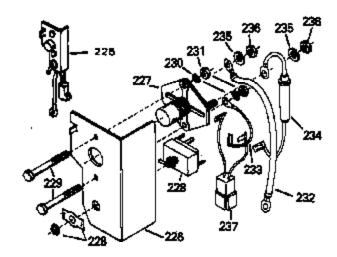
Ref#	Part Number Q	y Description
	650736	Screw, 10-16 x 3/8"
	33495	Cover, Cylinder head
	34641A	* Gasket, Cylinder head
	34771	
		Head, Cylinder
	31980	Pulley, Starter
	32046	Rope Assy., Starter
	34645	Resistor Spark Plug (RN-4C)
46A	650691	Washer, Flat
46	650690	Washer, Belleville
47A	650746	Screw, 5/16-18 x 1-3/8"
47	650692	Screw, 5/16-18 x 1-3/4"
48	730218	Valve Guide Kit (Incl. 49)
	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" * Cooleat Corburator
	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
58	31963	Lever, Governor
59	31964	Clamp, Governor lever
60	650518	Lockwasher, No. 10 E.T.
61	30312	Screw, 10-32 x 1/2"
62	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
	31966	Bushing, Governor lever
	650597	Screw, 10-24 x 5/8"
	31967	Spring, Governor
	650591	Screw, 10-24 x 2"
	33099	Spring
	32599	"O" Ring (Incl. in 251)
	650666	Washer, Lock
74	32579	Baffle, Blower housing
75	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)
	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	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)
	34754	Housing, Rocker arm
	33484	* "O" Ring (Also Incl. in 251)
	650168	Washer, Flat
	32610A	Screw, 1/4-20 x 29/32"
30	0=0.0/1	CO.C.T., 1/1 20 / 20/02

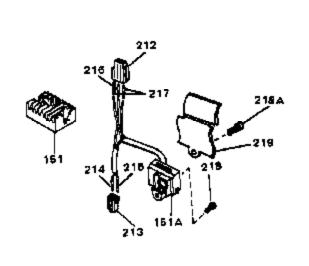
Ref #	Part Number (Qty	Description
97	33485		Arm, Rocker
98	33486		Ring, Retaining
99	650755		Screw, 1/4-20 x 3/4"
100	650864		Nut, Hex, 1/4-20
101	650756		Stud, Rocker arm
102	33487		* "O" Ring (Also Incl. in 251)
	33488		Cover, Rocker arm
	31958A		* Gasket, Breather (Also Incl. in 251)
	33489		Body 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		Nut, Wing
	31992		Spacer, Screen
	33776		Screen, Pulley
	650680		Screw, 1/4-20 x 1-1/2"
	27070		Washer, Lock
	650590		
			Nut, Conduit
	32143		Nipple, Exhaust
140	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
			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
137	32031		, , ,
			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
	610750		Grommet, Lead wire
	610408		Nut, 8-32
	610908		Terminal, Female
	33356		Terminal
	650760		Screw, 8-32 x 3/8"
103	000100		OUIGVY, U-OL A O/U

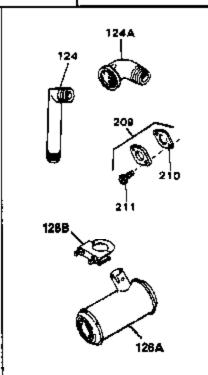
Ref #	Part Number (Qty	Description
166	28545		Grommet, Plastic
167	650890	,	Washer, Lock
167A	26073	,	Washer, Flat
168	32039		Switch, Stop
169A	27793		Clip, Conduit
170	28942		Screw, 10-32 x 3/8"
189	33068		Dipstick (Incl. 190)
190	29985		"O" Ring
	32352	•	Tube, Oil filler
	29673		* Gasket, Oil filler tube
193	29443		Clip, Wire
244	34346		Decal, Instruction
244A	34768		Decal, Name
244B	31752		Decal, Air cleaner
246	631687		Valve, Seat & Spring Assy.
247	632159A		Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A, page 192 for breakdown)
250	33516F		* Gasket Set (Incl. items marked *)
251	35075		"O" Ring Kit (Incl. Nos. items marked +)

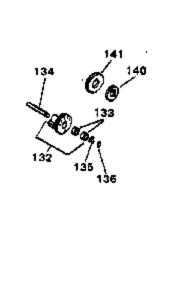
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

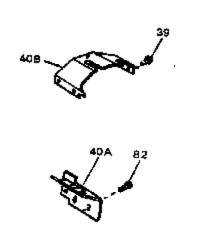
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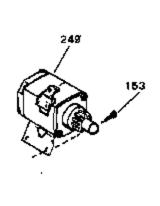


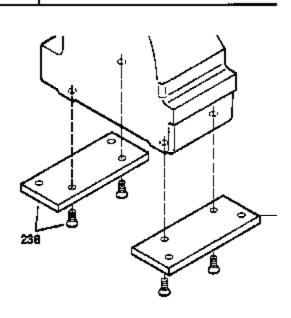






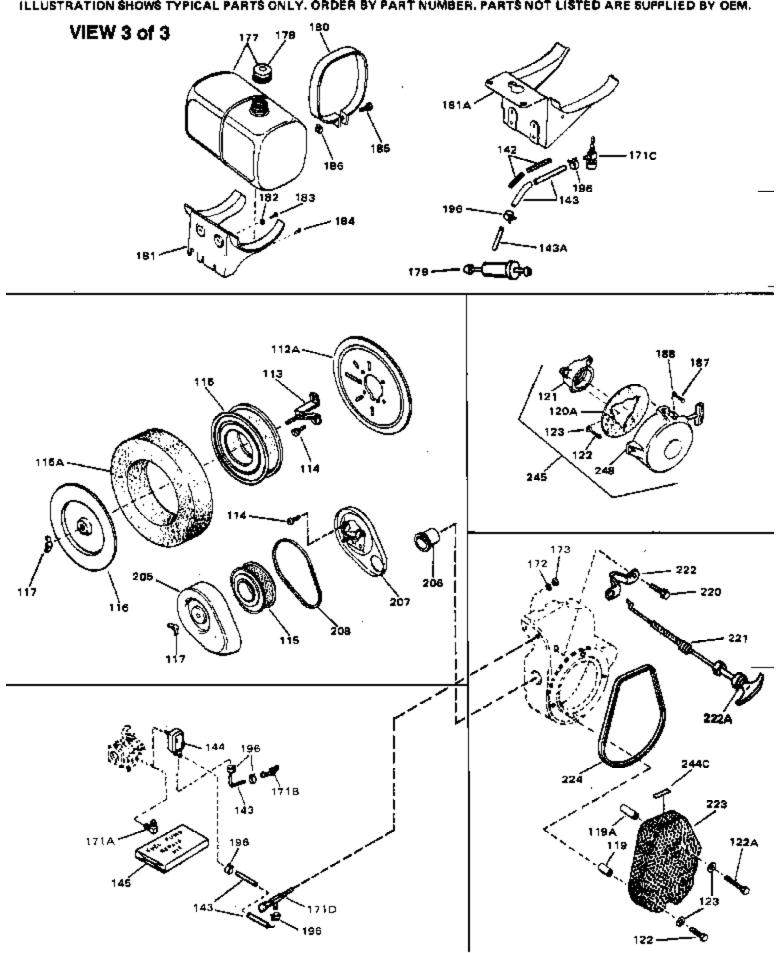






Ref #	Part Number	Qty	Description
39 126A	650736 35731 35732		Screw, 10-16 x 3/8" Muffler (Incl. 126B) Clamp, Muffler Gear, Counterbalance weight (Straight teeth) (For replacement see Ref. 132. Order correct kit for your enginemodel number.)
153 209 210 211	792028 650781 730178 34102B 30196 730212		Screw, 5/16-18 x 7/8"(Use w/32817 str .motor) Screw,5/16-18 x 11/16"(Use w/33835 st r.motor) Ech.Adapter Kit (Incl.210 & 211)(As r equired) Gasket, Exhaust (Use as required) Screw, 5/16-18 x 3/4" (Use as require d) 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
249	33835		Electric Starter Motor (12-Volt) (Refer to Division 5, Section D for breakdown)

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	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"
	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)