

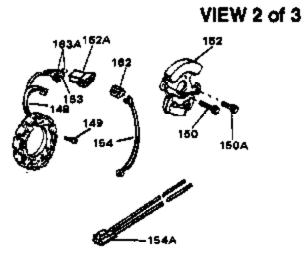
Def	/ Dart Ni wash an	<u> </u>	Description
		Qty	
	34291A 31927		Cylinder (Incl. 2, 4 & 33) (3-1/8" Bo re)
			Pipe Plug, 3/8-18 sq. head (Use as re quired)
	28483		Pipe Plug (3/8-18 hex countersunk) (A s req.)
2			Pipe Plug (3/4-14 sq.hd.)(As req.)(Bu y local)
	9556		Pipe Plug (1/8-27 sq. hd.) (Use as re quired)
	28534		Pipe Plug(1/8-27 hex c/sunk headless) (As req)
	27652		Pin, Dowel
5	34045A		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.
6	29783		Pin, Crankshaft gear
	34692		Gear Crankshaft (Helical)
	31932		Bearing, Tapered roller
	31928		Cup, Bearing
	34222		Bearing, Needle
	34223		Bearing & Seal Assy., Needle
	34292B		Piston & Pin Ass'y. (Std.)(3-1/8")(In cl.12)
	34293B		Piston & Pin Ass'y. (.010" OS) (Incl. 12)
	34294B		Piston & Pin Ass'y. (.020" OS) (Incl. 12)
	34546		Piston, Pin & Ring Set (Std.) (3-1/8" Bore)
	34547		Piston, Pin & Ring Set (.010" OS)
	34548		Piston, Pin & Ring Set (.020" OS)
	31919		Ring, Piston pin retaining
	34297		Ring Set (Std.) (3-1/8" Bore)
	34298		Ring Set (.010" OS)
	34299		Ring Set (.020" OS)
14	- 33093A		Connecting Rod Assy.(Std.)(Incl.15, 1 6 & 17)
14	34383		Connecting Rod Assy.(.010" US)(Incl.1 5,16,17)
14	34384		Connecting Rod Assy.(.020" US)(Incl.1 5,16.17)
15	32077		Bolt, Connecting rod
16	26073		Washer, Connecting rod
17	28264		Nut Assy.
18	34752		Camshaft (MCR) (Helical)
19	33472		Lifter, Valve
20	33471		Rod, Push
21	33505		Intake Valve (Std.)
21	33645		Intake Valve (1/32" OS)
22	33506		Exhaust Valve (Std.)
22	33646		Exhaust Valve (1/32" OS)
	33507		Spring, Valve
	33508		Retainer & Cap Set, Keeper valve
	34410		* "O" Ring (Exhaust only) (Also Incl. i n 251)
	33509		* "O" Ring (Intake only) (Also Incl. in 251)
	33510		Cap, Valve
27	34751		Governor Gear Ass'y. (Helical)
	650745		Washer, Flat
29	35479		Washer, Flat (Use with 35322 spool)
	35322		Spool, Governor
	31956B		* Gasket, Cylinder cover
32	34221		Cylinder Cover Ass'y. (Incl. 10, 10A, 33, 36, 37, 38, 93, 194
			& 195)
	31950		* Seal, Oil
	650451		Screw, 1/4-20 x 1"
	650588		Screw, 1/4-20 x 2"
36	32425		Rod Assy., Governor

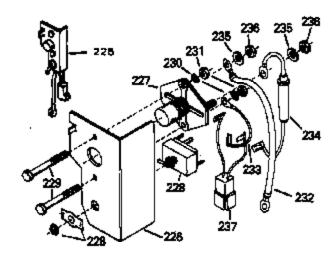
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51 33475	49	792035	Ring, Retaining
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55 34285	53	792028	Screw, 5/16-18 x 7/8"
56 792075	54	33476A	* Gasket, Carburetor
56 792075	55	34285	Baffle, Air extension
57 33478	56	792075	
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90 34754 Housing, Rocker arm 91 33013 Cover, Starter bubble			
91 33013 Cover, Starter bubble			
92 650701 Screw, 8-18 x 7/16"			
	92	101/00	OCIEW, 8-18 X //18

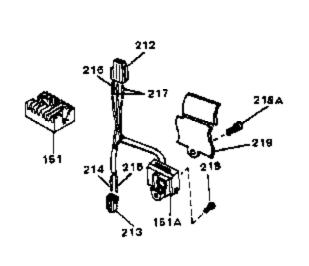
Ref #	Part Number C	Qty	Description
93	8345		Washer, Flat
	33484		* "O" Ring (Also Incl. in 251)
	650168		Washer, Flat
	32610A		Screw, 1/4-20 x 29/32"
	33485		Arm, Rocker
	33486		Ring, Retaining
	650755		Screw, 1/4-20 x 3/4"
	650864		Nut, Hex, 1/4-20
	650756		Stud, Rocker arm
	33487		•
	33488		* "O" Ring (Also Incl. in 251)
	31958A		Cover, Rocker arm * Cooket Proother (Alea Incl. in 351)
	33489		* Gasket, Breather (Also Incl. in 251)
			Body Assy., Breather
	33490		Tube, Breather * Servery 40, 22 x 5/0" (Alex Incl. in 25.4)
	30102		* Screw, 10-32 x 5/8" (Also Incl. in 25 1)
	650738		Screw, 1/4-20 x 5/8"
	35471		* Gasket, Air cleaner
	650399		Screw, 10-32 x 5/8"
	32008		Element, 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		* 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
			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
	610750		Cover, Spark plug Grommet, Lead wire
	610408		Nut, 8-32
100	010-100		14UL, 0-02

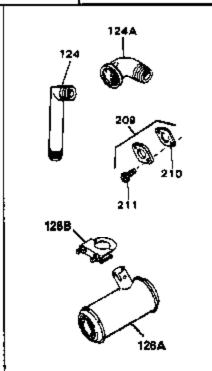
Ref #	Part Number (Aty Description
161	610908	Terminal, Female
164	33356	Terminal
165	650760	Screw, 8-32 x 3/8"
166	28545	Grommet, Plastic
167	650890	Washer, Lock
167A	26073	Washer, Flat
	32039	Switch, Stop
	29634	Fitting, Fuel line
	33068	Dipstick (Incl. 190)
	29985	"O" Ring
	32352	Tube, Oil filler
	29673	* Gasket, Oil filler tube
	29443	Clip, Wire
	35532	Decal, Name
	34346	Decal, Instruction
	31752	Decal, Air cleaner
	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 *)
251	35075	"O" Ring Kit (Incl. Nos. items marked +)

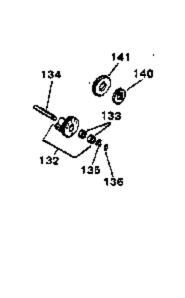
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

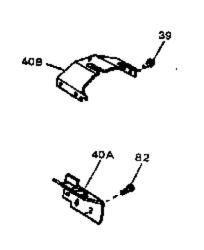


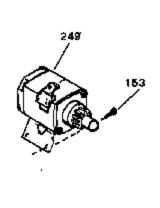


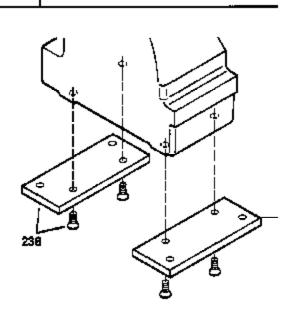






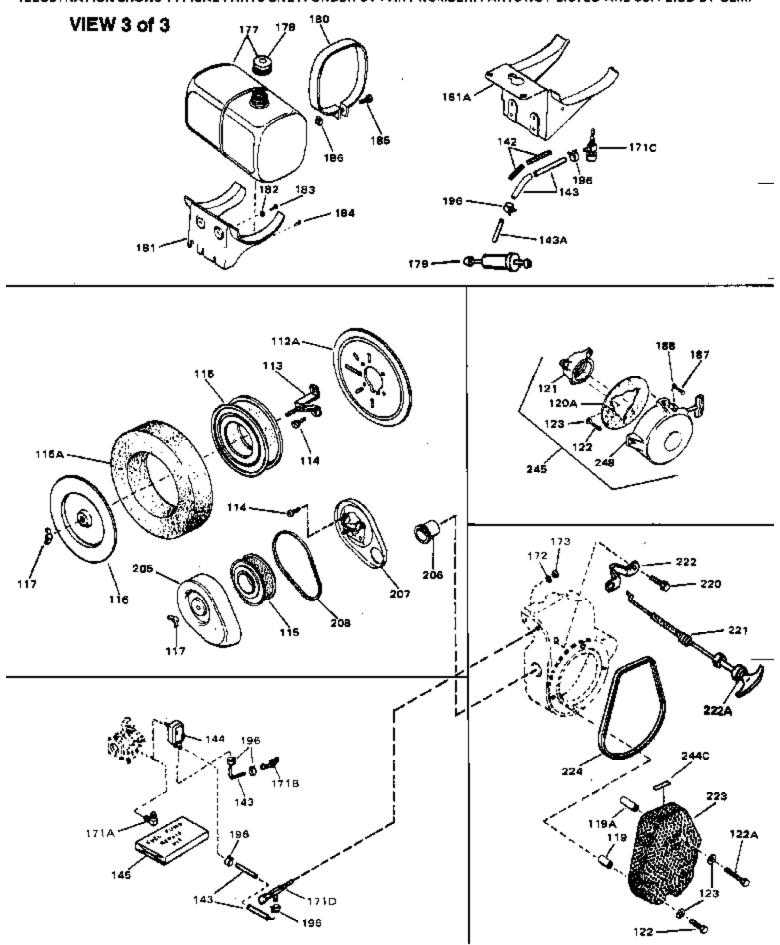






Ref #	Part Number	Qty	Description
39	650128		Screw, 10-24 x 1/2"
40A	34283		Cover, Cylinder head
40B	34284		Cover, Cylinder head
82	30063		Screw, 1/4-20 x 1/2"
126A	35731		Muffler (Incl. 126B)
141			Gear, Counterbalance weight (Straight teeth) (For replacement see Ref. 132. Order correct kit for your 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
142	34148		Spring, Fuel line
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
	33979		Fuel Tank (Incl. 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
181	33978		Bracket, Fuel tank
182	650787		Washer, Belleville
183	650786		Screw, 1/4-20 x 5/8"
184	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)
	34193		Cover, Air cleaner
	34194A		Tube, Air cleaner
	35473		Bracket, Air cleaner
	34197		Gasket, Air cleaner
245	730134		Rewind Starter Kit (Incl.120A, 121, 122, 187, 188 & 248) (Use as required)