

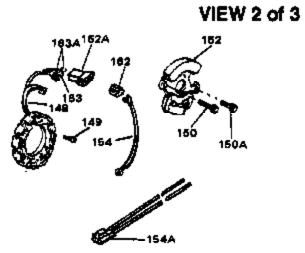
		ty Description
2 2 2 2 2 4	33823A 31927 28483 9556 28534 27652 33977B	Cylinder (Incl. 2, 4 & 33) (3-5/16" B ore) Pipe Plug, 3/8-18 sq. head (Use as re quired) Pipe Plug (3/8-18 hex countersunk) (A s req.) Pipe Plug (3/4-14 sq.hd.)(As req.)(Bu y local) Pipe Plug (1/8-27 sq. hd.) (Use as re quired) Pipe 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 15 16 17 18 19 20 21 21 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 gear Gear, 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 & 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 (Std.) (3-5/16" Bore) Ring Set (.010" OS) 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 Nut Assy. Camshaft (MCR) (Straight) Lifter, Valve Rod, Push Intake Valve (Std.) Intake Valve (Std.) Exhaust Valve (Std.) Exhaust Valve (Std.) Exhaust Valve (I/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 (Use with 35322 spool) Washer, Flat Spool, Governor * Gasket, Cylinder cover Cylinder Cover Assy. (Incl. 2, 10, 10A, 33, 36, 37, 38, 93,
33 34 35	31950 650451 650588 32425	194 & 195) * Seal, Oil Screw, 1/4-20 x 1" Screw, 1/4-20 x 2" Rod Assy., Governor
37	32426	Spacer, Governor rod

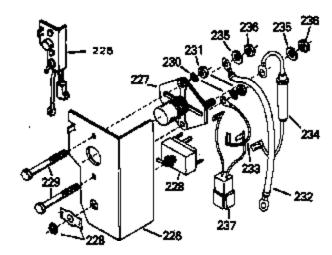
Ref #	Part Number Qt	Description
38	29193	Ring, Retaining
39	650687	Screw, 10-32 x 5/16"
	33495	Cover, Cylinder head
	34225A	* Gasket, Cylinder head
	33763	Head, Cylinder
	33657	
		Spark Plug (L-82C)
	650690	Washer, Belleville
	650691	Washer, Flat
	650692	Screw, 5/16-18 x 1-3/4"
	650746	Screw, 5/16-18 x 1-3/8"
	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"
53	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
	33983	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
68	650597	Screw, 10-24 x 5/8"
69A	33982	Spring, Governor
69	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)
	610897	Flywheel
	650594	Nut, Flywheel
	610855	Solid State Magneto (Incl. 158, 159 & 160)
	650661	Screw, 1/4-20 x 3/4"
	33479	Extension, Blower housing
	30063	Screw, 1/4-20 x 1/2"
83	650751	Screw, 1/4-20 x 7/16"
84	33775A	Blower Hsg.(Incl.218A,219)(For elec.s tarter)
85	8274	Washer, Lock
86	650595	Screw, 5/16-24 x 3/8"
	650624	Screw, 5/16-24 x 9/16"
	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
91	00010	COVOI, CIGITEI DUDDIE

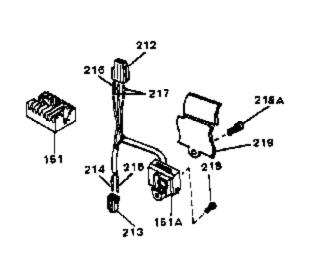
Pof #	Part Number Qt	Description
	650701	Screw, 8-18 x 7/16"
	33484	* "O" Ring (Also Incl. in 251)
	650168	Washer, Flat
	32610A	Screw, 1/4-20 x 29/32"
	33485	Arm, Rocker
	33486	Ring, Retaining
	650755	Screw, 1/4-20 x 3/4"
	650864	Nut, Hex, 1/4-20
	650756	Stud, Rocker arm
	33487	* "O" Ring (Also Incl. in 251)
103	33488	Cover, Rocker arm
104	31958A	* Gasket, Breather (Also Incl. in 251)
105	33489	Body Assy., Breather
106	33490	Tube, Breather
107	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
	650516	Screw, 1/4-20 x 1-1/8"
	650675	Washer, Flat
140	33840	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
		·
	650429	Screw, 5/16-18 x 3/4"
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	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
158	610118	Cover, Spark plug
	610750	Grommet, Lead wire
	610408	Nut, 8-32
	33356	Terminal
	650760	Screw, 8-32 x 3/8"
	28545	Grommet, Plastic
167A	26073	Washer, Flat
167	650890	Washer, Lock

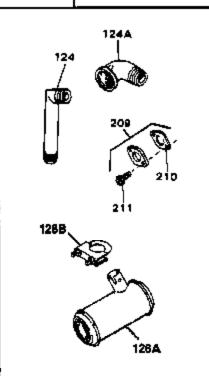
Ref #	Part Number Q	ty Description
168	32039	Switch, Stop
169A	27793	Clip, Conduit
170	28942	Screw, 10-32 x 3/8"
189	33993A	Dipstick (Incl. 190)
190	33590	"O" Ring
191	33992A	Tube, Oil filler
193	29443	Clip, Wire
244B	31752	Decal, Air cleaner
244	34346	Decal, Instruction
244A	550223	Decal, Name
244A	32676	Decal, Solid state
246	631687	Valve, Seat & Spring Assy.
247	631763	Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A,
		page 124 for breakdown)
250	33516G	* Gasket Set (Incl. items marked *)
251	35075	"O" Ring Kit (Incl. Nos. items marked +)

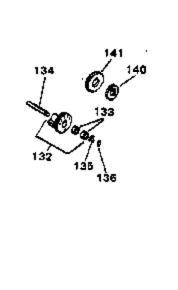
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

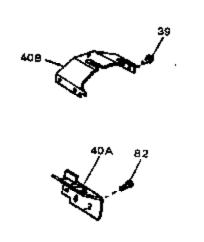


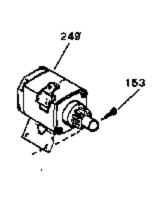


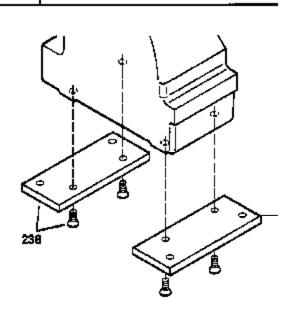






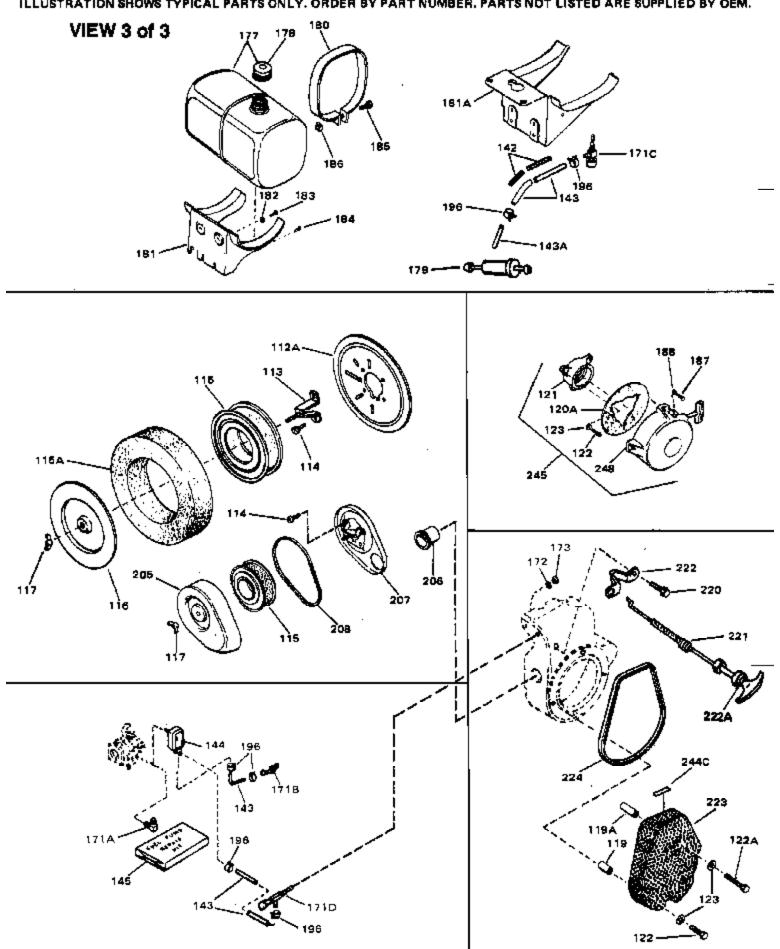






Ref #	Part Number	Qty	Description
39	650687		Screw, 10-32 x 5/16"
82	30063		Screw, 1/4-20 x 1/2"
126A	35731		Muffler (Incl. 126B)
141			Gear, Counterbalance weight (Straight teeth) (For
			replacement see Ref. 132. Order correct kit for your
			enginemodel number.)
150	650669		Screw, 5/16-18 x 1-1/4"
	650489		Screw, 1/4-20 x 5/8"
152	610910A		Stator Plate Assy. (w/exciter coil)
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.



		Description
114	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
	650516	Screw, 1/4-20 x 1-1/8"
	650675	Washer, Flat
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
	33010	Repair Kit, Impulse fuel pump
	29683	Valve, Fuel strainer & shut-off
	32958	Fitting, Fuel pump
	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
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"
185	650488	Screw, 1/4-20 x 1-1/4"
186	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)
248	590405A	Rewind Starter (Refer to Division 5, Section C, page 24 for breakdown) (Refer to Division 5, Section D for breakdown)