

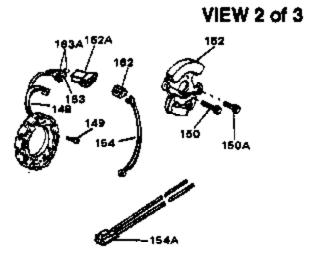
D.( !!	De d Marilana	Describer.
		Description Odioder (Incl. 2, 4, 8, 33) (3, 4/2" Po ro)
	33707A	Cylinder (Incl. 2, 4 & 33) (3-1/2" Bo re)
	31927	Pipe Plug, 3/8-18 sq. head (Use as re quired)
	28483	Pipe Plug (3/8-18 hex countersunk) (A s req.)
2		Pipe Plug (3/4-14 sq.hd.)(As req.)(Bu y local)
	9556	Pipe Plug (1/8-27 sq. hd.) (Use as re quired)
	28534	Pipe Plug(1/8-27 hex c/sunk headless) (As req)
4	27652	Pin, Dowel
5	34820	Crankshaft (Incl. 6 thru 9, 140 & 141 )
6	29783	Pin, Crankshaft gear
7	34692	Gear Crankshaft (Helical)
	31932	Bearing, Tapered roller
	31928	Cup, Bearing
	32238B	Piston & Pin Ass'y. (Std.)(3-1/2")(In cl.12)
	32239B	Piston & Pin Ass'y. (.010" OS) (Incl. 12)
	32240B	Piston & Pin Ass'y. (.020 " OS) (Incl12)
	34511	Piston, Pin & Ring Set (Std.) (3-1/2" Bore)
	34512	Piston, Pin & Ring Set (0.010" OS)
	34513	Piston, Pin & Ring Set (.020" OS)
		Ring, Piston pin retaining
	31919	J
	32241	Ring Set (Std.) (3-1/2" Bore)
	32242	Ring Set (.010" OS)
	32243	Ring Set (.020" OS)
	33093A	Connecting Rod Assy.(Std.)(Incl.15, 1 6 & 17)
	34383	Connecting Rod Assy.(.010" US)(Incl.1 5,16,17)
	34384	Connecting Rod Assy.(.020" US)(Incl.1 5,16.17)
	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
	33505	Intake Valve (Std.)
	33645	Intake Valve (1/32" OS)
	33506	Exhaust Valve (Std.)
	33646	Exhaust Valve (1/32" OS)
	33507	Spring, Valve
	33508	Retainer & Cap Set, Keeper valve
	33509	* "O" Ring (Intake only) (Also Incl. in 251)
	34410	* "O" Ring (Exhaust only) (Also Incl. in 251)
	33510	
		Cap, Valve
	34751 650745	Governor Gear Ass'y. (Helical)
	650745	Washer, Flat
	35479	Washer, Flat (Use with 35322 spool)
	30590A	Washer, Flat
	31948	Spool, Governor
	31956B	* Gasket, Cylinder cover
	34649	Cover Assy., Cylinder (Incl. 2, 33 & 134)
	31950	* Seal, Oil
	650451	Screw, 1/4-20 x 1"
	650492	Screw, 1/4-20 x 2-1/4"
	32425	Rod Assy., Governor
37	32426	Spacer, Governor rod
	29193	Ring, Retaining
	650736	Screw, 10-16 x 3/8"
	33495	Cover, Cylinder head
	34225A	* Gasket, Cylinder head
	34753	Head, Cylinder
	31980	Pulley, Starter
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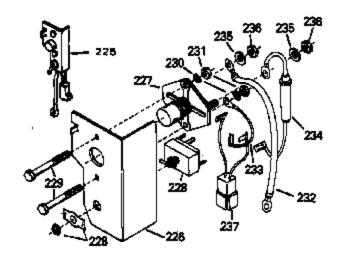
Ref #	Part Number Qt	y Description
44	32046	Rope Assy., Starter
	35552	Spark Plug (RL-82C)
	650690	Washer, Belleville
	650691	Washer, Flat
	650746	Screw, 5/16-18 x 1-3/8"
	650692	Screw, 5/16-18 x 1-3/4"
	730218	Valve Guide Kit (Incl. 49)
	792035	Ring, Retaining
	33515A	•
		* Gasket, Intake pipe
	33475	Pipe, Intake
	650378	Screw, Torx T-30, 5/16-18 x 1-1/8"
	792028	Screw, 5/16-18 x 7/8"
	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
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"
63	7975	Nut, 10-24
64	31965	Plate, Governor spring
	31984A	Lever Assy., Control
	28558	Washer, Wave
	31966	Bushing, Governor lever
	650597	Screw, 10-24 x 5/8"
	34021	Spring, Governor
	650591	Screw, 10-24 x 2"
	33099	Spring
	32599	"O" Ring (Incl. in 251)
	650666	· · · · · · · · · · · · · · · · · · ·
	32579	Washer, Lock
		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
	30063	Screw, 1/4-20 x 1/2"
	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"
86A	650624	Screw, 5/16-24 x 9/16"
87	650752	Screw, 1/4-20 x 7/16"
	35475	Tube, Push rod
	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"
	33485	Arm, Rocker
	33486	Ring, Retaining
	650755	Screw, 1/4-20 x 3/4"
	650864	Nut, Hex, 1/4-20
100	0000 <del>1</del>	1141, 1161, 114-20

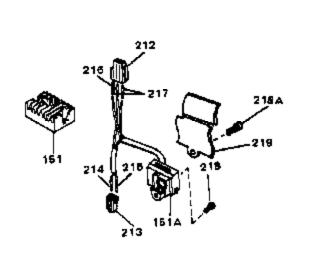
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		Qty	Description
	650756		Stud, Rocker arm
	33487		* "O" Ring (Also Incl. in 251)
103	33488		Cover, Rocker arm
104	31958A		* Gasket, Breather (Also Incl. in 251)
105	33489		Body Assy., Breather
	33490		Tube, Breather
	30102		* Screw, 10-32 x 5/8" (Also Incl. in 25 1)
	650738		Screw, 1/4-20 x 5/8"
			,
	35471		* Gasket, Air cleaner
	35472		Bracket, Air cleaner
114	650399		Screw, 10-32 x 5/8"
115	32008		Element, Air cleaner
116A	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
	650744		Screw, 10-24 x 7/8"
138	34650		Tube extension, Oil fill
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.
			•
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
			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, Spark plug
	610750		Grommet, Lead wire
	610408		Nut, 8-32
	610908		Terminal, Female
164	33356		Terminal
165	650760		Screw, 8-32 x 3/8"
	28545		Grommet, Plastic
	650890		Washer, Lock
	26073		·
			Washer, Flat
168	32039		Switch, Stop

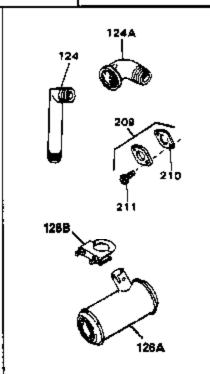
Ref #	Part Number (	Qty	Description
169A	27793	Ť	Clip, Conduit
170	28942		Screw, 10-32 x 3/8"
189	33984A		Dipstick (Incl. 190)
190	33590		"O" Ring
191	33893A		Tube, Oil filler
193	29443		Clip, Wire
244B	31752		Decal, Air cleaner
244	34346		Decal, Instruction
244A	34768		Decal, Name
246	631687		Valve, Seat & Spring Assy.
247	632329		Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A, page 160 for breakdown)
	33516G 35075		* Gasket Set (Incl. items marked *) "O" Ring Kit (Incl. Nos. items marked +)

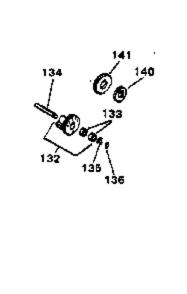
## ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

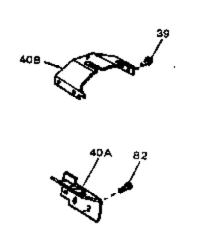


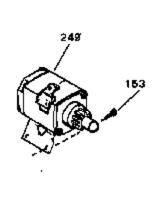


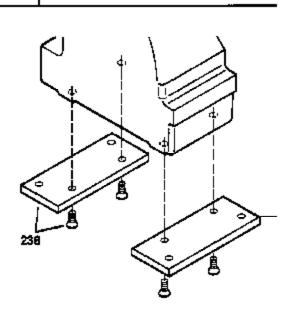






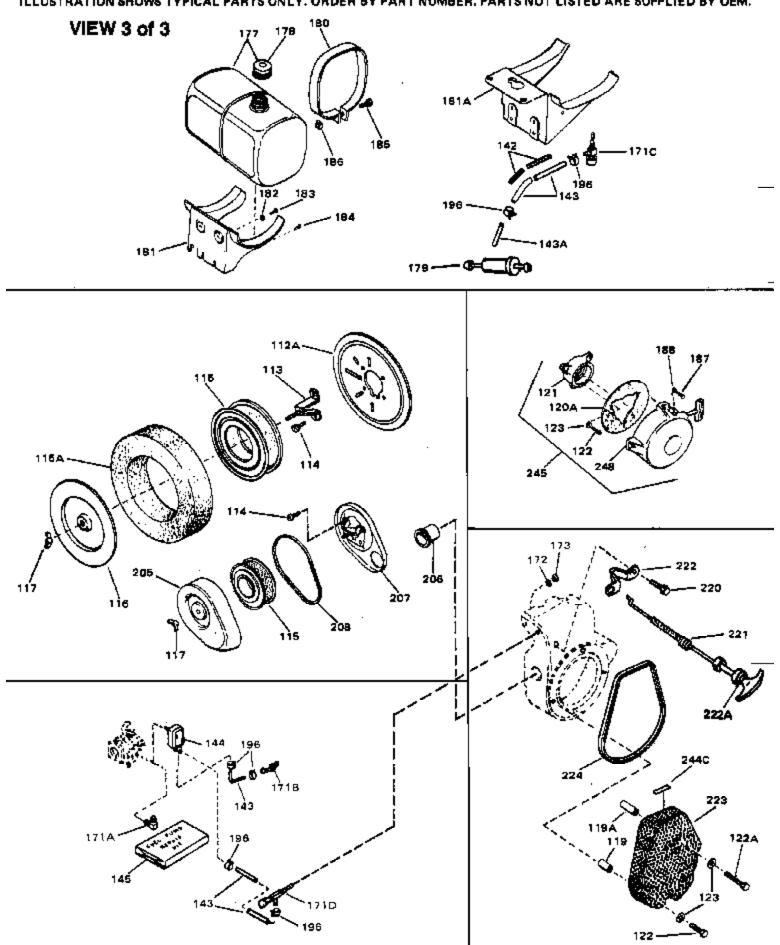






Ref #	Part Number	Qty	Description
39	650736		Screw, 10-16 x 3/8"
	30063		Screw, 1/4-20 x 1/2"
	35731		Muffler (Incl. 126B)
	34651		Weight Assy., Counterbalance
	33501		Bearing, Needle
	33502		Shaft, Counterbalance
	33503		Washer, Thrust
	792017		Ring, Retaining
	33499		Spacer
	33963		Gear, Counterbalance weight (Helical teeth)
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)
	34102B		Gasket, Exhaust (Use as required)
	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
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.



Pof #	Part Number (	∩tı,	Description
	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	35018		Pump, Impulse fuel
145	33010		Repair Kit, Impulse fuel pump
171A	28566		Fitting, Fuel line
178	410144B		Fuel Cap (White Plastic)(Std)(As required)
178	34210		Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as required)
196	26460	(	Clamp, Fuel line (Use as required)
245	730134		Rewind Starter Kit (Incl.120A, 121, 122, 187, 188 & 248) (Use as required)