

		Description Only 10 to 1
	3707A	Cylinder (Incl. 2, 4 & 33) (3-1/2" Bo re)
	1927	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)
2 9	9556	Pipe Plug (1/8-27 sq. hd.) (Use as re quired)
2 2	28534	Pipe Plug(1/8-27 hex c/sunk headless) (As req)
	27652	Pin, Dowel
	33708A	Crankshaft (Incl. 6 thru 9) NOTE: When using this
8 8	67 667 C	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 2	29783	Pin, Crankshaft gear
	1931	Gear, Crankshaft (Straight)
	1932	Bearing, Tapered roller
	1928	Cup, Bearing
11 3		Piston, Pin & Ring Set (Std.) (3-1/2" Bore)
11 3		Piston, Pin & Ring Set (.010" OS)
11 3		Piston, Pin & Ring Set (.020" OS)
11A 3		Piston & Pin Ass'y. (Std.)(3-1/2")(In cl.12)
11A 3		Piston & Pin Ass'y. (.010" OS) (Incl. 12)
11A 3		Piston & Pin Ass'y. (.020 " OS) (Incl . 12)
12 3	31919	Ring, Piston pin retaining
13 3	32241	Ring Set (Std.) (3-1/2" Bore)
13 3	32242	Ring Set (.010" OS)
13 3	32243	Ring Set (.020" OS)
	33093A	Connecting Rod Assy.(Std.)(Incl.15, 1 6 & 17)
14 3		Connecting Rod Assy.(.010" US)(Incl.1 5,16,17)
14 3		Connecting Rod Assy.(.020" US)(Incl.1 5,16.17)
15 3		Bolt, Connecting rod
16 2		Washer, Connecting rod
17 2		
18 3		Nut Assy.
		Camshaft (MCR) (Straight)
19 3		Lifter, Valve
20 3		Rod, Push
21 3		Intake Valve (Std.)
21 3		Intake Valve (1/32" OS)
22 3		Exhaust Valve (Std.)
22 3		Exhaust Valve (1/32" OS)
23 3		Spring, Valve
24 3	33508	Retainer & Cap Set, Keeper valve
25 3	33509	* "O" Ring (Intake only) (Also Incl. in 251)
25A 3	34410	* "O" Ring (Exhaust only) (Also Incl. i n 251)
26 3	3510	Cap, Valve
27 3	3473	Governor Gear & Shaft Ass'y. (Straigh t)
28 6	550745	Washer, Flat
29 3		Washer, Flat (Use with 35322 spool)
	80590A	Washer, Flat
30 3		Spool, Governor
	1956B	* Gasket, Cylinder cover
	32580A	
		Cylinder Cover Assy.(Incl.2,33,36,37 & 38)
33 3		* Seal, Oil
	550451	Screw, 1/4-20 x 1"
	550588	Screw, 1/4-20 x 2"
36 3		Rod Assy., Governor
37 3		Spacer, Governor rod
38 2	29193	Ring, Retaining

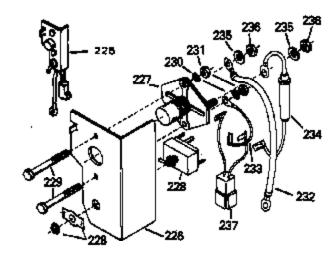
Ref #	Part Number C	tty Description
39	650736	Screw, 10-16 x 3/8"
	33495	Cover, Cylinder head
	34225A	* Gasket, Cylinder head
	33465	Head, Cylinder
	31980	Pulley, Starter
	32046	Rope Assy., Starter
	33657	Spark Plug (L-82C)
	650690	Washer, Belleville
		·
	650691 650746	Washer, Flat
	650746	Screw, 5/16-18 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"
53	792028	Screw, 5/16-18 x 7/8"
54	33476A	* Gasket, Carburetor
55	33477A	Baffle, Air cleaner
56	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
	31966	Bushing, Governor lever
	650597	Screw, 10-24 x 5/8"
	34021	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
	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"
	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"
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
90	000100	vvaorior, riat

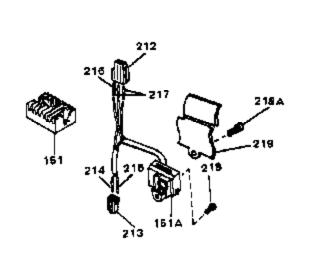
Pof #	Part Number Qty	Description
	32610A	Screw, 1/4-20 x 29/32"
	33485	Arm, Rocker
	33486	Ring, Retaining
	650755	Screw, 1/4-20 x 3/4"
	650864	Nut, Hex, 1/4-20
	650756	Stud, Rocker arm
	33487	* "O" Ring (Also Incl. in 251)
	33488	Cover, Rocker arm
	31958A	* Gasket, Breather (Also Incl. in 251)
	33489	Body Assy., Breather
	33490	Tube, Breather
	30102	* Screw, 10-32 x 5/8" (Also Incl. in 25 1)
	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"
115	32008	Element, Air cleaner
116A	32810	Cover, Air cleaner
117	650513	Nut, Wing
119	31992	Spacer, Screen
	33776	Screen, Pulley
	650680	Screw, 1/4-20 x 1-1/2"
	27070	Washer, Lock
146	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
147	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
.00	0.0.2	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
107	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
		•
	610118	Cover, Spark plug
	610750	Grommet, Lead wire
	610408	Nut, 8-32
	33356	Terminal
	650760	Screw, 8-32 x 3/8"
	28545	Grommet, Plastic
	650890	Washer, Lock
	26073	Washer, Flat
168	32039	Switch, Stop

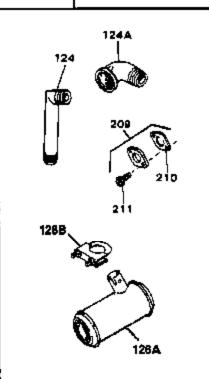
Ref #	Part Number	Qty	Description
169A	27793		Clip, Conduit
170	28942		Screw, 10-32 x 3/8"
189	33984A		Dipstick (Incl. 190)
190	33590		"O" Ring
191	33893A		Tube, Oil filler
193	29443		Clip, Wire
244B	31752		Decal, Air cleaner
244A	550223		Decal, Name
244A	32676		Decal, Solid state
244	34346		Decal, Instruction
246	631687		Valve, Seat & Spring Assy.
247	631754		Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A,
			page 124 for breakdown)
250	33516G		* Gasket Set (Incl. items marked *)
	35075		"O" Ring Kit (Incl. Nos. items marked +)
_•			3 1 (1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

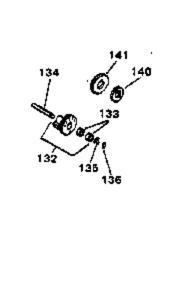
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY CEM.

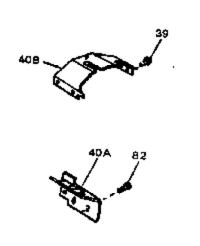
VIEW 2 of 3

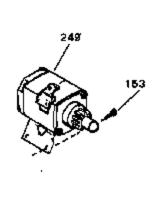


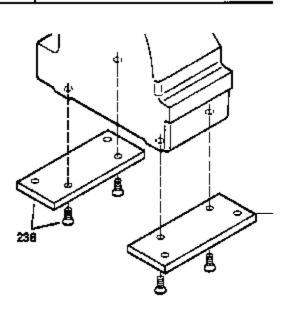






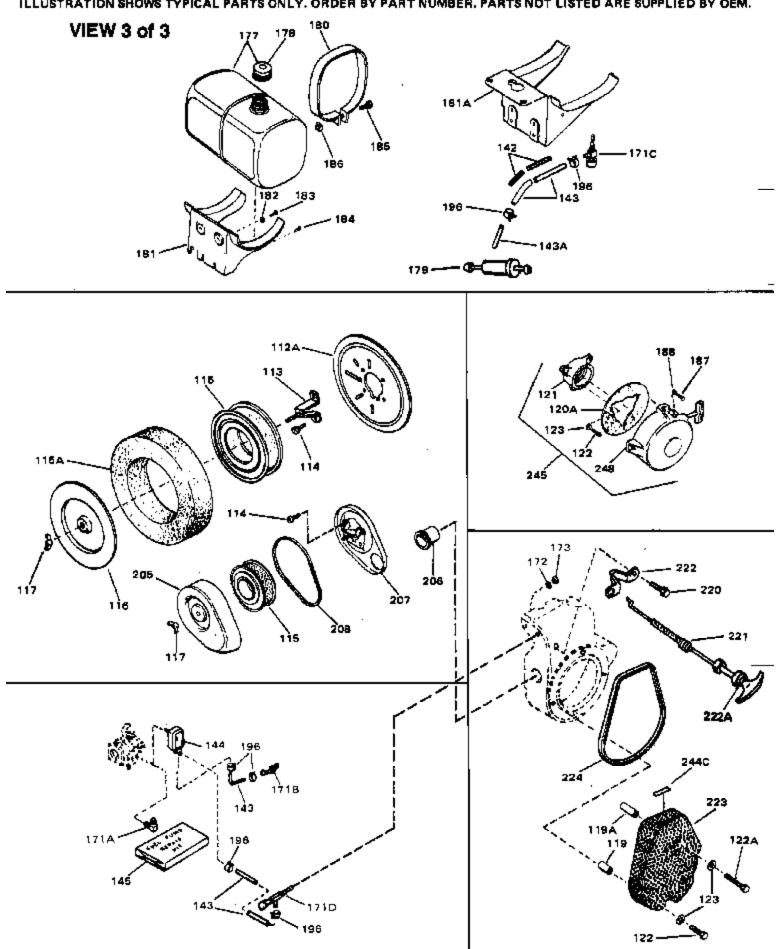






Ref #	Part Number	Qty	Description
39	650736		Screw, 10-16 x 3/8"
82	30063		Screw, 1/4-20 x 1/2"
126A	35731		Muffler (Incl. 126B)
141			Gear, Counterbalance weight (Straight teeth) (For replacement see Ref. 132. Order correct kit for your
			enginemodel number.)
150A	650489		Screw, 1/4-20 x 5/8"
150	650669		Screw, 5/16-18 x 1-1/4"
152	610896		Stator Plate Assy.
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
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.



Dof #	Dort Number	Ot . Description
		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	32959	Pump, Impulse fuel
145	33010	Repair Kit, Impulse fuel pump
171B	32958	Fitting, Fuel pump
178	410144B	Fuel Cap (White Plastic)(Std)(As requ ired)
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)