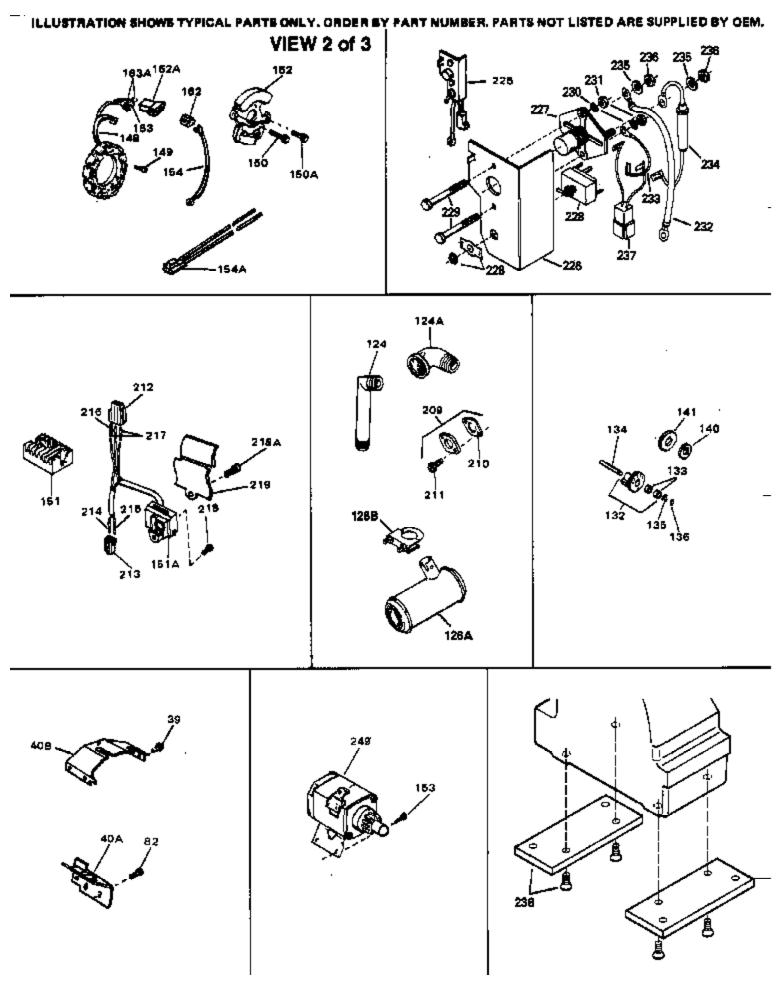


		y Description
2 2 2 2 2 2 4	33707A 31927 28483 9556 28534 27652 34402A	Cylinder (Incl. 2, 4 & 33) (3-1/2" Bo re) Pipe Plug, 3/8-18 sq. head (Use as re quired) Pipe Plug (3/8-18 hex countersunk) (A s req.) Pipe Plug (3/4-14 sq.hd.)(As req.)(Bu y local) Pipe Plug (1/8-27 sq. hd.) (Use as re quired) Pipe 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.
$\begin{array}{c} 7\\ 8\\ 9\\ 10\\ 10A\\ 11\\ 11\\ 11\\ 11A\\ 11A\\ 11A\\ 11$	29783 34692 31932 31928 34222 34223 34511 34512 34513 32238B 32239B 32240B 31919 32241 32242 32243 33093A 34384 32077 26073 28264 34752 33472 33471 33505 33645 33506 33645 33506 33646 33507 33508 33509 34410 33510 34751 650745 35479 30590A 31948 31956B 34095	Pin, Crankshaft (Helical) Bearing, Tapered roller Cup, Bearing Bearing, Needle Bearing & Seal Assy., Needle Piston, Pin & Ring Set (Std.) (3-1/2" Bore) Piston, Pin & Ring Set (.020" OS) Piston, Pin & Ring Set (.020" OS) Piston & Pin Assy. (Std.)(3-1/2")(In cl. 12) Piston & Pin Assy. (.010" OS) (Incl. 12) Piston & Pin Assy. (.020 " OS) (Incl. 12) Ring, Piston pin retaining Ring Set (Std.) (3-1/2" Bore) Ring Set (.010" OS) Ring Set (.020" OS) Connecting Rod Assy.(Std.)(Incl.15, 1 6 & 17) Connecting Rod Assy.(C00" 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 (Std.)
34	31950 650451 650588	* Seal, Oil Screw, 1/4-20 x 1" Screw, 1/4-20 x 2"

	Part Number Qty	Description
36	32425	Rod Assy., Governor
37	32426	Spacer, Governor rod
38	29193	Ring, Retaining
39	650736	Screw, 10-16 x 3/8"
40	33495	Cover, Cylinder head
41	34225A	* Gasket, Cylinder head
	34753	Head, Cylinder
	31980	Pulley, Starter
	32046	Rope Assy., Starter
	35552	Spark Plug (RL-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)
	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"
	31967	Spring, Governor
	650591	Screw, 10-24 x 2"
	33099	Spring
	32599	"O" Ring (Incl. in 251)
73	650666	Washer, Lock
74	32579	Baffle, Blower housing
75	650561	Screw, 1/4-20 x 5/8"
76	650592	Key, Flywheel
	730201	Trigger Pin Kit (Use as required)
	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"
87	650752	Screw, 1/4-20 x 7/16"
88	35475	Tube, Push rod
	33481	* "O" Ring (Also Incl. in 251)
	34754	Housing, Rocker arm
50		

		y Description
91	33013	Cover, Starter bubble
92	650701	Screw, 8-18 x 7/16"
93	8345	Washer, Flat
94	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)
	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
	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
	32043B	Muffler
	32143	
	32577	Nipple, Exhaust Cover, Cylinder NOTE: Determine the gap between the cover
140	52511	
		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
100	515/1	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
100		between the cover and the machined surface on the
		cylinder, which can be from .001" up to .007", in which case
		no shim askets will be required. Use of askets must be
		no shim gaskets will be required. Use of gaskets must be limited to a combined total of 010" thick. Steel
		no shim gaskets will be required. Use of gaskets must be limited to a combined total of .010" thick. Steel spacersmust be used a

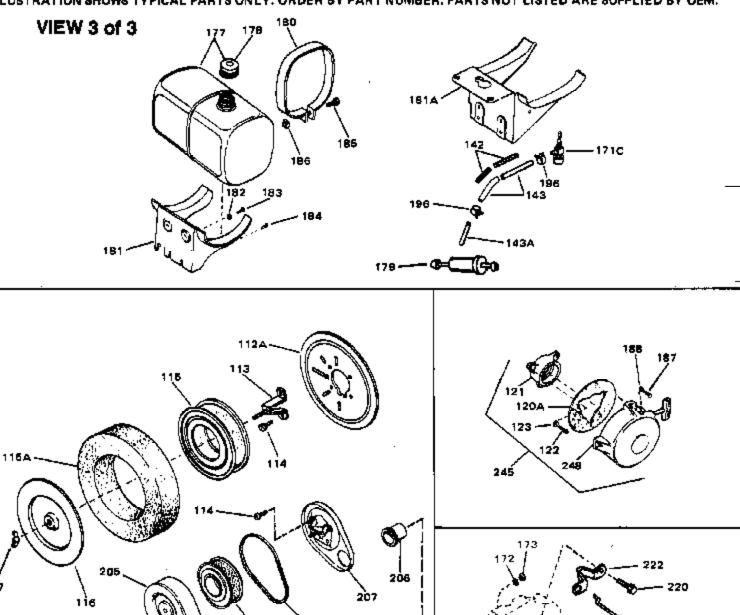
Ref #	Part Number Qty	Description
157	32031	* Spacer, Steel (.010 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder, which can be from .001" up to .007", in which case no shim gaskets will be required. Use of gaskets must be limited to a combined total of .010" thick. Steel spacersmust be used as re
158	610118	Cover, Spark plug
159	610750	Grommet, Lead wire
160	610408	Nut, 8-32
161	610908	Terminal, Female
164	33356	Terminal
165	650760	Screw, 8-32 x 3/8"
	28545	Grommet, Plastic
	26073	Washer, Flat
	650890	Washer, Lock
	32039	Switch, Stop
	33068	Dipstick (Incl. 190)
	29985	"O" Ring
	32352	Tube, Oil filler
	29673	* Gasket, Oil filler tube
	29443	Clip, Wire
	31752	Decal, Air cleaner
	34346	Decal, Instruction
	34768	Decal, Name
	631687	Valve, Seat & Spring Assy.
247	632197	Carburetor (Incl. 54 & 246) (Refer to Division 5, Section A, page 160 for breakdown) (Refer to Division 5, Section D for breakdown)
250	33516G	* Gasket Set (Incl. items marked *)
	35075	"O" Ring Kit (Incl. Nos. items marked +)

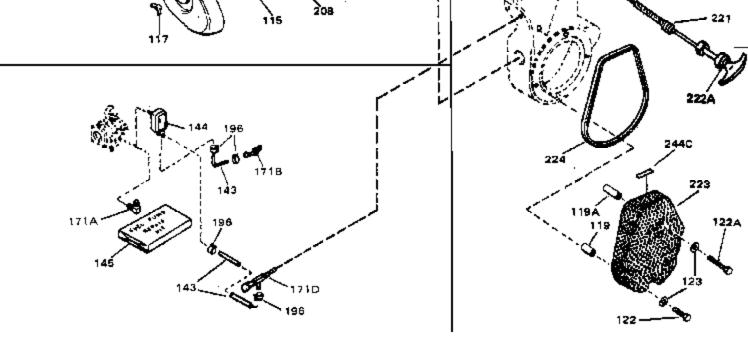


Ref #	Part Number Qt	y Description
39	650736	Screw, 10-16 x 3/8"
126A	35731	Muffler (Incl. 126B)
141		Gear, Counterbalance weight (Straight teeth) (For replacement see Ref. 132. Order correct kit for your enginemodel number.)
153	792028	Screw, 5/16-18 x 7/8"(Use w/32817 str .motor)
153	650781	Screw,5/16-18 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

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





Ref #	Part Number Q	ty 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	33981	Pump, Impulse fuel
145	33010	Repair Kit, Impulse fuel pump
171C	29683	Valve, Fuel strainer & shut-off
171B	32958	Fitting, Fuel pump
177	33979	Fuel Tank (Incl. 178)
178	410144B	Fuel Cap (White Plastic)(Std)(As requ ired)
178	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as required)
		iequileu)
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"
	650488	Screw, 1/4-20 x 1-1/4"
	650456	Nut, Lock
	26460	Clamp, Fuel line (Use as required)
245	730134	Rewind Starter Kit (Incl.120A, 121, 122, 187, 188 & 248) (Use as required)