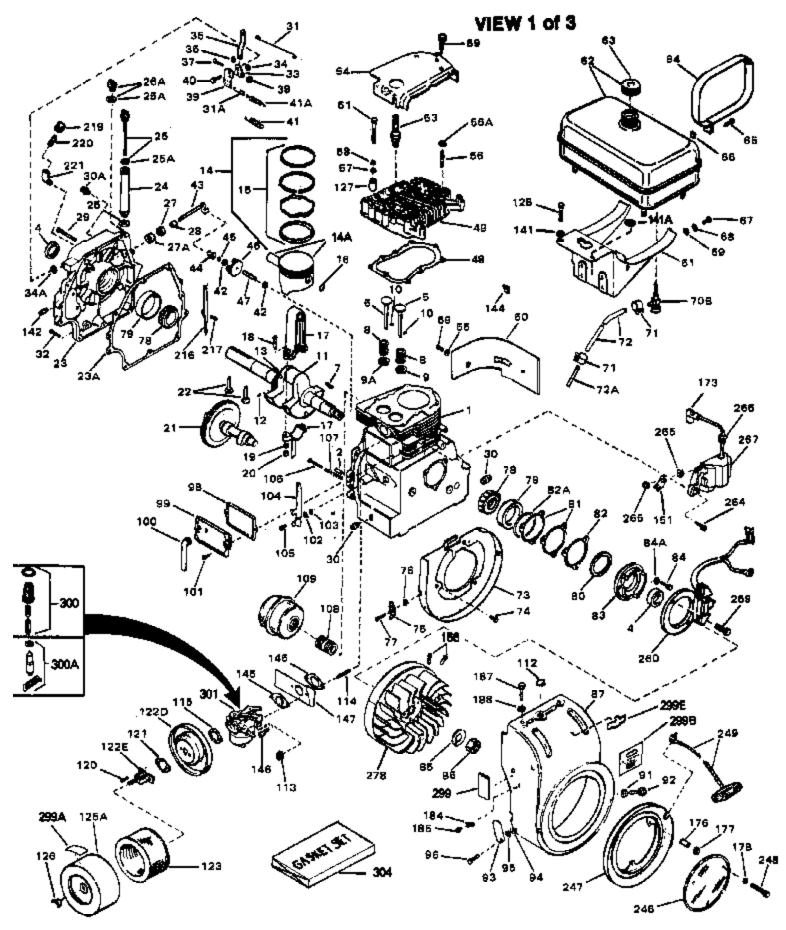
## ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

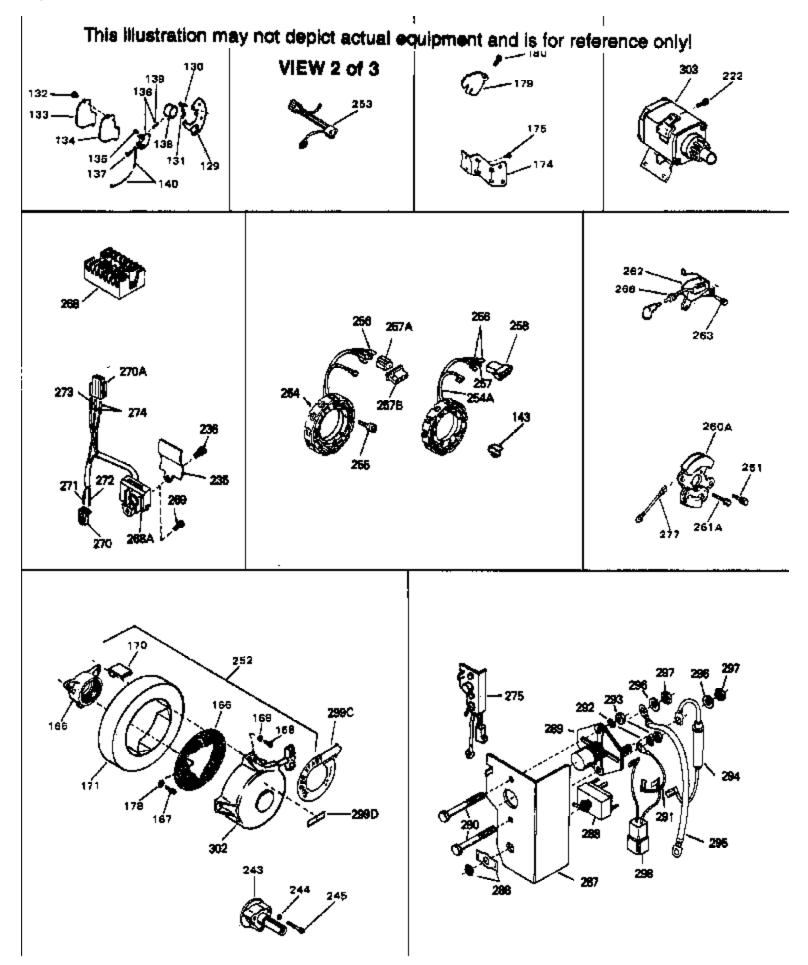


Ref #	Part Number	Qty	Description
1	33039		Cylinder (Incl.2,4,30,47,119) (3-5/16 ")
2	27652		Pin, Dowel
	31950		Seal, Oil
	31940		Intake Valve (Std.)
	31941		Intake Valve (1/32" OS) (Incl. 9)
	31942		
			Exhaust Valve (Std.)
	31943		Exhaust Valve (1/32" OS) (Incl. 9)
	650592		Key, Flywheel
	31944		Spring, Valve
9	31946		Cap, Lower valve spring (1/32" OS)
9	31945		Cap, Lower valve spring (Std.)
9A	31945		Cap, Lower valve spring (Std.)
9A	31946		Cap, Lower valve spring (1/32" OS)
	20810		Pin, Valve spring retainer
	34045A		Crankshaft (Incl. 12, 13, 78 & 79)
	29783		Pin, Crankshaft gear
	34692		
			Gear, Crankshaft Distan Dia & Diag Set (Std.) (2 5/46 " Dara)
	34508		Piston, Pin & Ring Set (Std.) (3-5/16 "Bore)
	34509		Piston, Pin & Ring Set (.010" OS)
	34510		Piston, Pin & Ring Set (.020" OS)
14	34850		Piston, Pin & Ring Set (.030" OS)
14	34523		Piston, Pin & Ring Set (.040" OS)
14	32620B		Piston & Pin Ass'y. (.040" OS) (Incl. 16)
14A	32001C		Piston & Pin Ass'y. (Std.)(Incl.16)(3 -5/16")
	32002B		Piston & Pin Ass'y. (.010" OS) (Incl. 16)
	32003B		Piston & Pin Ass'y. (.020" OS) (Incl. 16)
	32619B		Piston & Pin Ass'y. (.030" OS) (Incl. 16)
	32004		
			Ring Set (Std.) (3-5/16" Bore)
	32005		Ring Set (.010" OS)
	32006		Ring Set (.020" OS)
	32623		Ring Set (.030" OS)
	32624		Ring Set (.040" OS)
15	32321		Re-Ringing Set, Piston
16	31919		Ring, Piston pin retaining
17	33093A		Connecting Rod Ass'y.(Std.)(Incl.18, 19 & 20)
17	34383		Connecting Rod Assy.(.010" US)(Incl.1 8,19,20)
17	34384		Connecting Rod Assy.(.020" US)(Incl.1 8,19,20)
	32077		Bolt, Connecting rod
	26073		Washer, Connecting rod
	28264		Nut Assy., Lock
	34693		Camshaft (MCR) (Helical)
			Lifter, Valve
	31939		
	31956A		* Gasket, Cylinder cover
	32685		Cylinder Cover (Incl.4,25,26A,28,30,3 4 & 43)
	32352		Oil Fill Tube
	29985		"O" Ring
25	29673		* Gasket, Oil fill tube
26	33068		Dipstick (Incl. 25A)
28	32426		Spacer, Governor rod
	650588		Screw, 1/4-20 x 2"
	31927		Oil Drain Plug
	31968		Link, Governor
	650451		Screw, 1/4-20 x 1"
			-
	31964		Clamp, Governor lever
	29193		Ring, Retaining
	31963		Lever, Governor adjusting
	650518		Lockwasher
37	650544		Screw, 10-24 x 7/8"

		Qty	Description
	7975		Nut, 10-24
39	31965		Plate, Governor spring
40	30312		Screw, 10-32 x 1/2"
41	31967		Spring, Governor
	30590A		Washer, Flat
	32425		Rod Assy., Governor
	31948		Spool, Governor
	29193		Ring, Retaining
	34691		Governor Gear Ass'y. (Helical)
	31930		Shaft, Mechanical Governor
	32000A		* Gasket, Cylinder head
	33034		•
			Head, Cylinder
	650694A		Screw, 5/16-18 x 2" (Use as required)
	650711		Screw, 5/16-18 x 1-5/8" (Use as required)
	650628A		Screw, 5/16-18 x 2-3/8" (Use as required)
	650695A		Screw, 5/16-18 x 2-1/4" (Use as required)
	650714		Screw, 5/16-18 x 1-5/8" (Use as required)
	650697A		Screw, 5/16-18 x 2-1/2" (Use as required)
	650692		Screw, 5/16-18 x 1-3/4" (Use as required)
	650603		Screw, 5/16-18 x 5/8" (Use as require d)
53	33636		Resistor Spark Plug (RJ-8C)
53	34251		Resistor Spark Plug (RJ-17LM)
54	33035		Cover, Cylinder head
55	28537		Washer, Plain
57	650691		Washer, Flat (Use as required)
	650690		Washer, Belleville (Use as required)
58	8274		Washer, Lock (Use as required)
	650128		Screw, 10-24 x 1/2"
	31976		Extension, Blower housing
	31978		Bracket, Fuel tank
	410144B		Fuel Cap (White Plastic)(Std.)(As req uired)
	34210		Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
00	04210		required)
			lequileu)
64	31979		Strap, Fuel tank
65	650451		Screw, 1/4-20 x 1"
66	650456		Nut, Flange whiz-lock, 1/4-20
67	650517		Screw, 1/4-20 x 27/32" (Use as requir ed)
	650561		Screw, 1/4-20 x 5/8" (Use as required )
	30063		Screw, 1/4-20 x 1/2" (Use as required )
	792028		Screw, 5/16-18 x 7/8" (Use as require d)
	29683		Strainer & Shut-off, Fuel
	26460		Clamp, Fuel line (Use as required)
	29774		Fuel Line (Braided) (8.25") (Use as required)
	30705		Fuel Line (Braided) (16") (Use as required)
	30962		Fuel Line (Braided) (10 ) (Use as req uired)
	30965		Fuel Line (Braided) (48") (Use as req uired)
	31975		Baffle, Blower housing
	650561		Screw, 1/4-20 x 5/8"
	28545		Grommet, Plastic
	650760		Screw, 8-32 x 3/8"
	31932		Bearing, Tapered roller
79	31928		Cup, Bearing

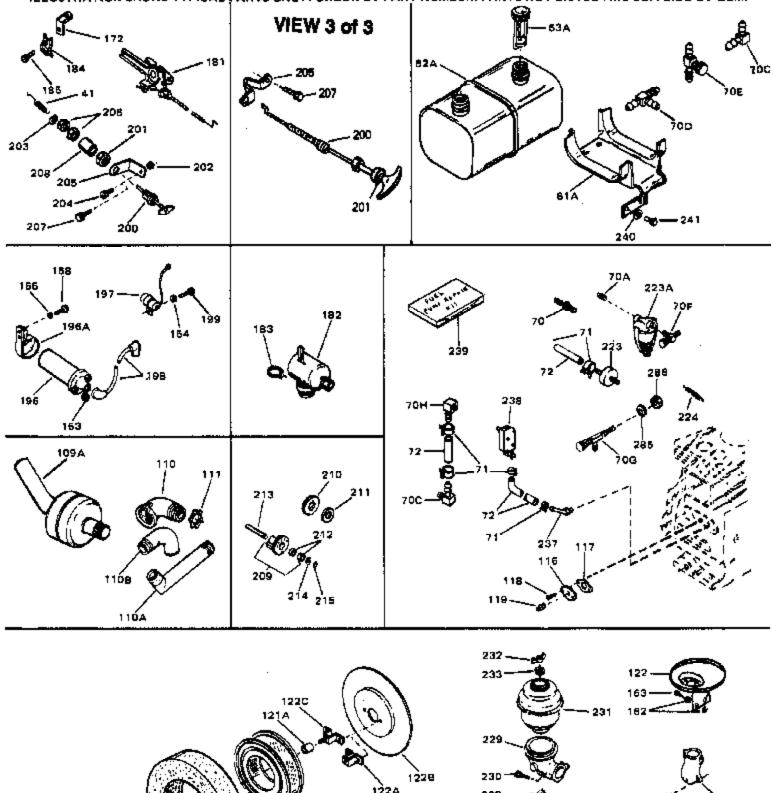
Spacer, Steel (.010" thick) NOTE: Determine the gap
between the cover and the machined surface on the cylinde which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to combined total of .010" thick. Steel spacersmust be used as required
* Gasket, 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 gasket must be limited to combined total of .010" thick. Steel spacersmust be used as req
* 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 gasket must be limited to combined total of .010" thick. Steel spacersmust be used as req
"O" Ring Cover, Cylinder NOTE: Determine the gap between the cov and the machined surface on the cylinder which can be fror .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined tota of .010" thick. Steel spacersmust be used as required to eliminat
Screw, 5/16-18 x 7/8" Lockwasher, 5/16" (Use as required) Washer, Lock Nut, Flywheel, 3/4-16 Blower Housing Washer, Lock Screw, 5/16-24 x 3/8" Switch, Stop Washer, Shakeproof Washer, Flat Screw, 5/16-24 x 9/16" * Gasket, Breather Breather Assy. Tube, Breather Screw, 10-24 x 1/2" Washer, Wave Bushing, Control lever Lever, Control Screw, 10-24 x 5/8" Screw, 10-24 x 5/8" Screw, 10-24 x 2" Spring Nipple, Exhaust pipe Muffler Plug, Button (Use as required) * Gasket, Air cleaner Screw, 10-32 x 5/8" Spacer, Air cleaner Cover, Air cleaner Nut, Wing

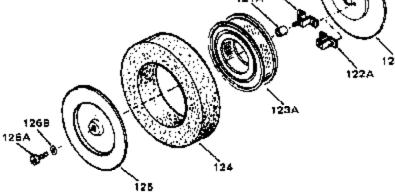
		Qty Description
128	792028	Screw, 5/16-18 x 7/8" (Use as require d)
141	26073	Washer, Flat (Use as required)
141A	8274	Lockwasher, Split (Use as required)
145	33263	* Gasket, Carburetor
146	650451	Screw, 1/4-20 x 1"
147	34061	Baffle, Air
151	610908	Terminal, Female
156	730201	Trigger Pin Kit (Use as required)
173	610118	Cover, Spark plug (Use as required)
176	31992	Spacer, Screen
177	8345	Washer, 1/4 plain (Use as required)
178	27070	Washer, Lock 1/4 E.T. (Use as require d)
178	650675	Washer, Flat 1/4 (Use as required)
187	650713	Screw, 5/16-18 x 5/8"
188	26073	Washer, Flat
246	33776	Screen, Starter pulley
247	31980	Pulley, Starter
248	650680	Screw, 1/4-20 x 1-1/2"
249	32046	Rope Assy., Starter (Use as required)
259	650399	Screw, 10-32 x 5/8"
260	610965	Solid State Stator Plate Ass'y.
264	650661	Screw, 1/4-20 x 3/4"
265	610408	Nut, Hex
266	610750	Grommet, Lead wire
267	610906	Solid State Magneto (Incl.151,173,265,266)(20 Amp)
278	611000	Flywheel
299B	550223	Decal, Name
299B	34768	Decal, Name
299	34346	Decal, Instruction
	631021	Inlet Needle, Seat & Clip Assy.
	631975	Carburetor (Incl. 145) (Refer to Division 5, Section A, page
		150 for breakdown)
304	33237A	* Gasket Set (Incl. items marked *)

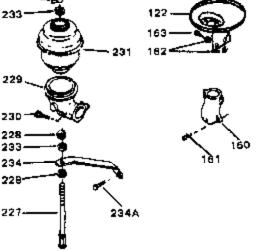


Ref #	Part Number Q	ty Description
178	27070	Washer, Lock 1/4 E.T. (Use as require d)
178	650675	Washer, Flat 1/4 (Use as required)
180	650701	Screw, 8-18 x 7/16" (Use as required)
222	792028	Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor)
222	650781	Screw,5/16-18 x 11/16"(Use w/33835 st r.motor)
235	34276	Plate, Cover (Use as required to cover regulator mounting
		hole in blower housing)
236	650736	Screw, 10-16 x 3/8" (Use as required)
252	730134	Rewind Starter Kit (Incl. 165, 166, 167, 168, 169 & 291) (Use
		as required)
253	33018	Harness Assy., Adapter (Use as requir ed)
	610824	Flat Connector (Female terminals) (As req.)
	610750	Grommet, Lead wire
275	730198	Starter Switch Kit(Incl. 287-298) (As req.)

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Ref #	Part Number	Qty	Description
41	31967		Spring, Governor
62A	31977		Fuel Tank (Incl. 63)
71	26460		Clamp, Fuel line (Use as required)
72	29774		Fuel Line (Braided) (8.25") (Use as r equired)
72	30705		Fuel Line (Braided) (16") (Use as req uired)
72	30962		Fuel Line (Braided) (32") (Use as req uired)
72	30965		Fuel Line (Braided) (48") (Use as req uired)
119	28534		Pipe Plug, 1/8-27 (Use as required)
119	9556		Plug, Pipe, 1/8-27 (Use as required)
122C	32907B		Bracket, Air cleaner
122B	34065		Bracket, Air cleaner
123A	32008		Element, Air cleaner