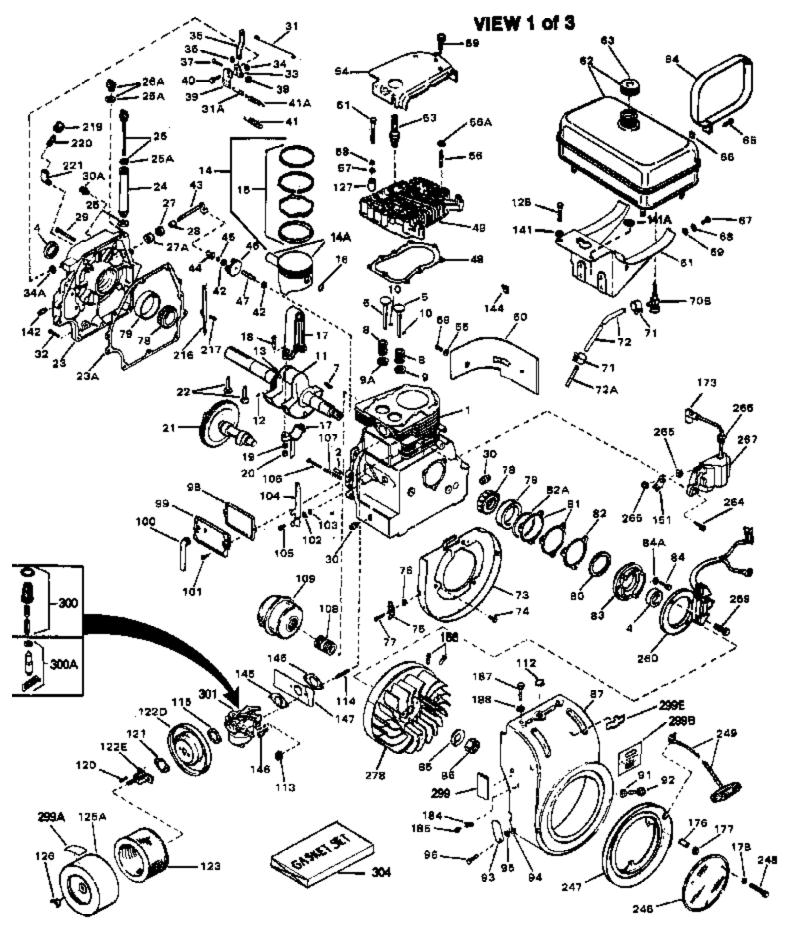
## ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

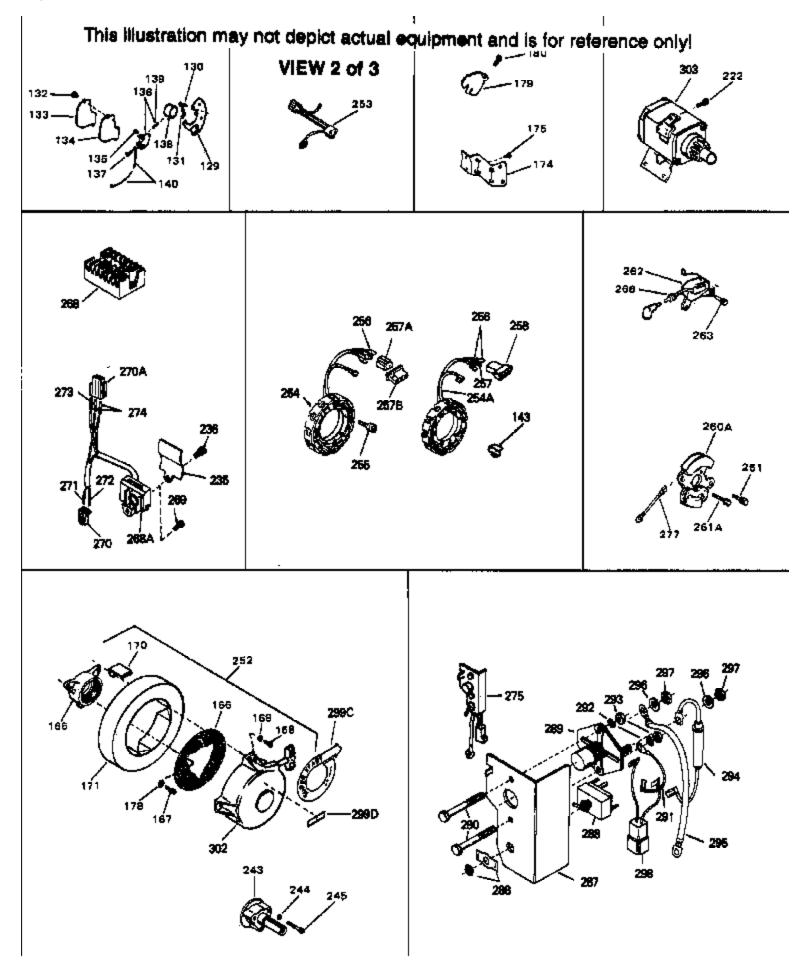


Ref #	Part Number G	Qty I	Description
	33039		Cylinder (Incl.2,4,30,47,119) (3-5/16 ")
2	27652		Pin, Dowel
	31950		Seal, Oil
	31940		Intake Valve (Std.)
	31941		Intake Valve (1/32" OS) (Incl. 9)
	31942		Exhaust Valve (Std.)
	31943		Exhaust Valve (1/32" OS) (Incl. 9)
	650592		Key, Flywheel
	31944		Spring, Valve
	31946		Cap, Lower valve spring (1/32" OS)
	31945		Cap, Lower valve spring (Std.)
	31945		Cap, Lower valve spring (Std.)
	31946		Cap, Lower valve spring (1/32" OS)
	20810		Pin, Valve spring retainer
	33391B		Crankshaft (Incl. 12, 13, 78 & 79)
	29783		Pin, Crankshaft gear
	31931		
			Gear, Crankshaft Bioton & Bin Acoly (Std.) (Incl. 16) (2 5/16")
	32001C 32002B		Piston & Pin Ass'y. (Std.)(Incl.16)(3 -5/16")
			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)
	34508		Piston, Pin & Ring Set (Std.) (3-5/16 "Bore)
	34509		Piston, Pin & Ring Set (.010" OS)
	34510		Piston, Pin & Ring Set (.020" OS)
	34850		Piston, Pin & Ring Set (.030" OS)
	34523		Piston, Pin & Ring Set (.040" OS)
	32620B		Piston & Pin Ass'y. (.040" 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)
	32321		Re-Ringing Set, Piston
	31919		Ring, Piston pin retaining
	33093A		Connecting Rod Ass'y.(Std.)(Incl.18, 19 & 20)
	34383		Connecting Rod Assy.(.010" US)(Incl.1 8,19,20)
	34384		Connecting Rod Assy.(.020" US)(Incl.1 8,19,20)
	32077		Bolt, Connecting rod
	26073		Washer, Connecting rod
	28264		Nut Assy., Lock
	32150		Camshaft (MCR)
	31939		Lifter, Valve
	31956A		* Gasket, Cylinder cover
	32580A		Cover, Cylinder (Incl. 4, 28, 30, 34, & 43)
	29673		* Gasket, Oil fill
	35499		"O" Ring
	33069		Dipstick (Incl. 25A)
	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
	650544	9	Screw, 10-24 x 7/8"
38	7975	1	Nut, 10-24

	Part Number Qt	
	31965	Plate, Governor spring
40	30312	Screw, 10-32 x 1/2"
41	31967	Spring, Governor
42	30590A	Washer, Flat
	32425	Rod Assy., Governor
	31948	Spool, Governor
	29193	Ring, Retaining
	31947	Gear Assy., Governor
	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 requi red)
51	650628A	Screw, 5/16-18 x 2-3/8" (Use as requi red)
51	650695A	Screw, 5/16-18 x 2-1/4" (Use as requi red)
51	650714	Screw, 5/16-18 x 1-5/8" (Use as required)
51	650697A	Screw, 5/16-18 x 2-1/2" (Use as requi red)
	650692	Screw, 5/16-18 x 1-3/4" (Use as required)
	650603	Screw, $5/16-18 \times 5/8"$ (Use as require d)
	33636	Resistor Spark Plug (RJ-8C)
	34251	Resistor Spark Plug (RJ-17LM)
	33035	
		Cover, Cylinder head
	28537	Washer, Plain
	650691	Washer, Flat (Use as required)
	650690	Washer, Belleville (Use as required)
	8274	Washer, Lock (Use as required)
59	650128	Screw, 10-24 x 1/2"
60	31976	Extension, Blower housing
61	31978	Bracket, Fuel tank
63	410144B	Fuel Cap (White Plastic)(Std.)(As req uired)
63	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
		required)
	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)
		• • • • •
	30705	Fuel Line (Braided) (16") (Use as required)
	30962	Fuel Line (Braided) (32") (Use as req uired)
	30965	Fuel Line (Braided) (48") (Use as req uired)
	29774	Fuel Line (Braided) (8.25") (Use as r equired)
	31975	Baffle, Blower housing
74	650561	Screw, 1/4-20 x 5/8"
	33356	Terminal
	28545	Grommet, Plastic
	650760	Screw, 8-32 x 3/8"
	31932	Bearing Tapered roller
78	31932 31928	Bearing, Tapered roller Cup, Bearing

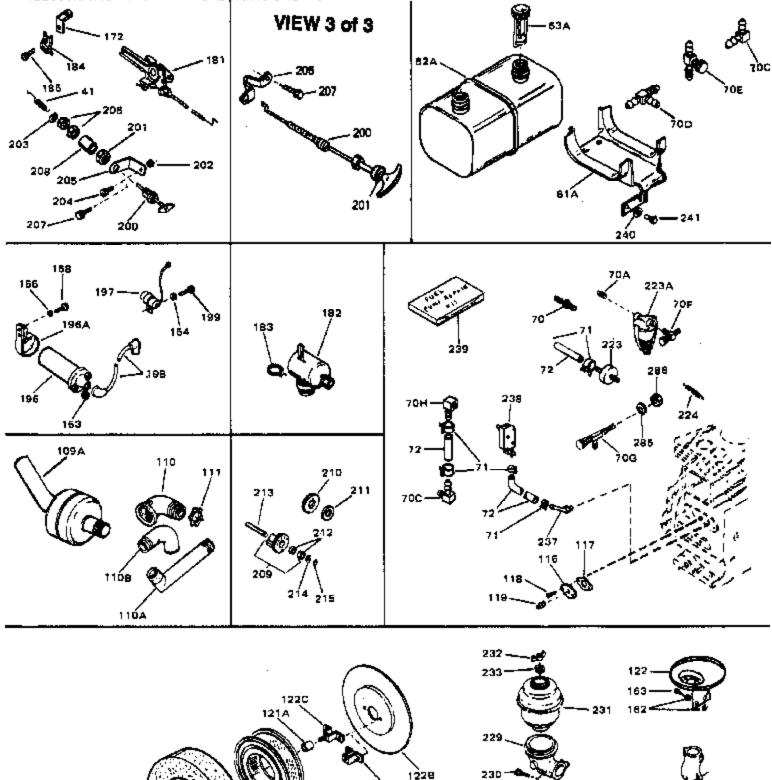
Qty Description
Spacer, Steel (.010" thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used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

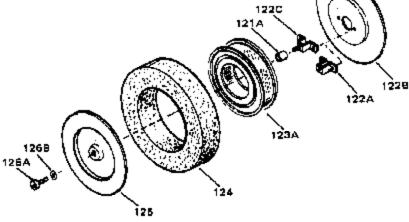
		Description
128	650713	Screw, 5/16-18 x 5/8" (Use as require d)
	650429	Screw, 5/16-18 x 3/4" (Use as require d)
	792028	Screw, 5/16-18 x 7/8" (Use as require d)
	26073	Washer, Flat (Use as required)
141A	8274	Lockwasher, Split (Use as required)
145	31960	* Gasket, Carburetor
147	31959	Baffle, Air
	610908	Terminal, Female
	730201	Trigger Pin Kit (Use as required)
173	610118	Cover, Spark plug (Use as required)
	31992	Spacer, Screen
	8345	Washer, 1/4 plain (Use as required)
178	27070	Washer, Lock 1/4 E.T. (Use as require d)
	650675	Washer, Flat 1/4 (Use as required)
	27793	Clip, Conduit
	28942	Screw, 10-32 x 3/8"
187	650713	Screw, 5/16-18 x 5/8"
	26073	Washer, Flat
246	32953	Screen, Starter pulley
	31980	Pulley, Starter
	650680	Screw, 1/4-20 x 1-1/2"
	32046	Rope Assy., Starter (Use as required)
	650399	Screw, 10-32 x 5/8"
	610965	Solid State Stator Plate Ass'y.
	650661	Screw, 1/4-20 x 3/4"
	610408	Nut, Hex
	610750	Grommet, Lead wire
	610906	Solid State Magneto (Incl.151,173,265,266)(20 Amp)
	611000	Flywheel
	34346	Decal, Instruction
	31752	Decal, Air cleaner
	550223	Decal, Name
	32676	Decal, Solid State
	631021	Inlet Needle, Seat & Clip Assy.
301	631975	Carburetor (Incl. 145) (Refer to Division 5, Section A, page 150 for breakdown)
		,
304	33237A	* Gasket Set (Incl. items marked *)

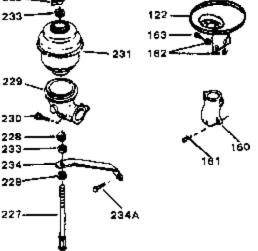


Ref #	Part Number Q	ty Description
178	27070	Washer, Lock 1/4 E.T. (Use as require d)
178	650675	Washer, Flat 1/4 (Use as required)
180	650701	Screw, 8-18 x 7/16" (Use as required)
222	792028	Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor)
222	650781	Screw,5/16-18 x 11/16"(Use w/33835 st r.motor)
235	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)
243	32252	Shaft, Flywheel extension
244	27513	Lockwasher
245	792051	Screw, 1/4-20 x 1-3/4"
252	730134	Rewind Starter Kit (Incl. 165, 166, 167, 168, 169 & 291) (Use as required)
253	33018	Harness Assy., Adapter (Use as requir ed)
257B	610824	Flat Connector (Female terminals) (As req.)
266	610750	Grommet, Lead wire
275	730198	Starter Switch Kit(Incl. 287-298) (As req.)

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







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Ref #	Part Number C	Qty	Description
41	31967		Spring, Governor
62A	31977		Fuel Tank (Incl. 63)
71	26460		Clamp, Fuel line (Use as required)
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)
72	29774		Fuel Line (Braided) (8.25") (Use as r equired)
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
184	27793		Clip, Conduit
185	28942		Screw, 10-32 x 3/8"