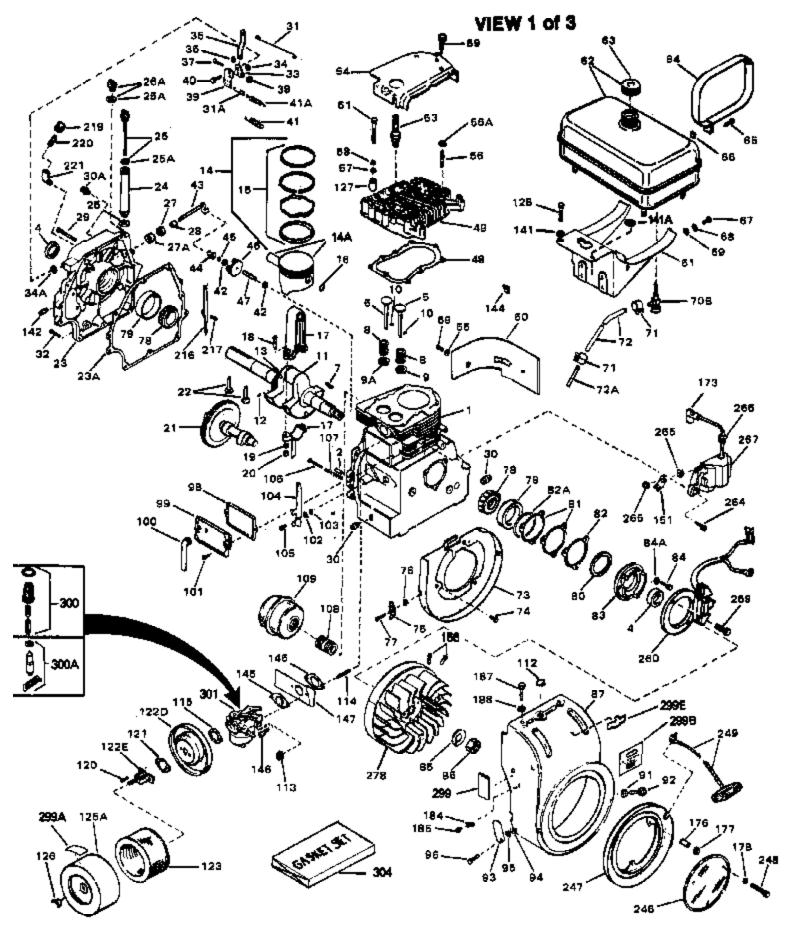
## ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

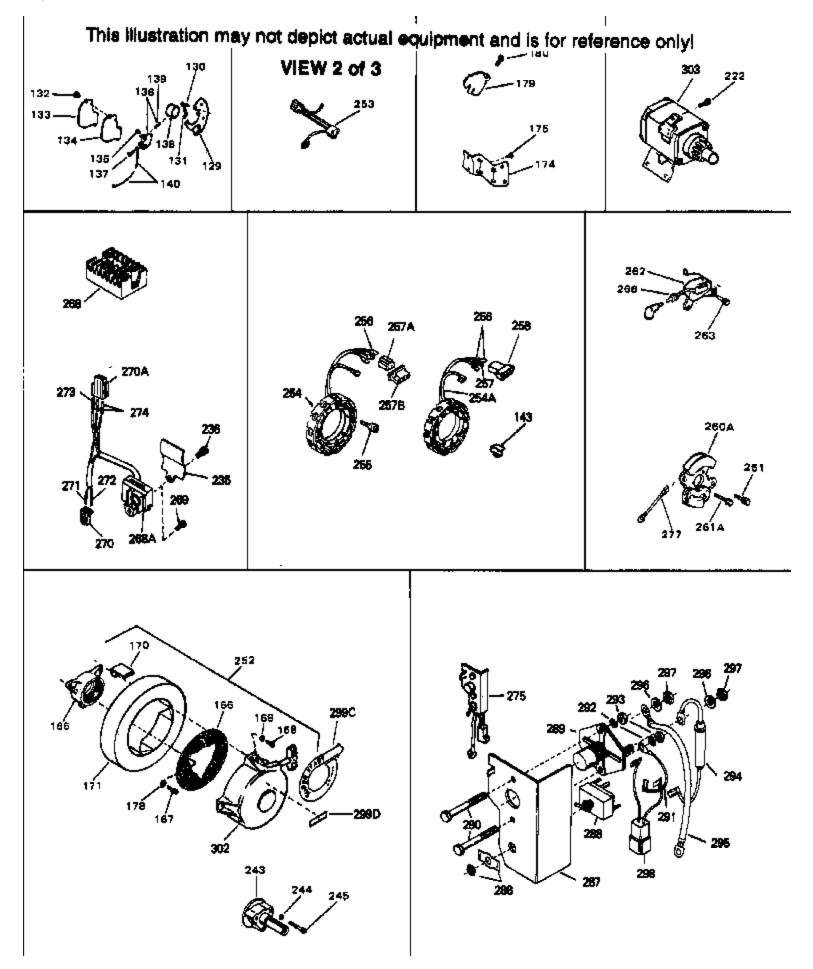


Ref # Part Number	Qty Description
1 33042	Cylinder (Incl. 2, 4, 30 & 47) (3-1/2 " Bore)
2 27652	Pin, Dowel
4 31950	Seal, Oil
5 31940	
	Intake Valve (Std.)
5 31941	Intake Valve (1/32" OS) (Incl. 9)
6 31942	Exhaust Valve (Std.)
6 31943	Exhaust Valve (1/32" OS) (Incl. 9)
7 650592	Key, Flywheel
8 31944	Spring, 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)
10 20810	Pin, Valve spring retainer
11 33393A	Crankshaft (Incl. 12, 13, 78 & 79)
12 29783	Pin, Crankshaft gear
13 31931	Gear, Crankshaft
14 34511	Piston, Pin & Ring Set (Std.) (3-1/2" Bore)
14 34512	Piston, Pin & Ring Set (.010" OS)
14 34513	Piston, Pin & Ring Set (.020" OS)
14 34524	Piston, Pin & Ring Set (.030" OS)
14 34525	Piston, Pin & Ring Set (.040" OS)
14A 32238B	Piston & Pin Ass'y. (Std.)(Incl.16)(3 -1/2")
14A 32239B	Piston & Pin Ass'y. (.010" OS) (Incl. 16)
14A 32240B	Piston & Pin Ass'y. (.020" OS) (Incl. 16)
14A 32621B	Piston & Pin Ass'y. (.030" OS) (Incl. 16)
14A 32622B	Piston & Pin Ass'y. (.040" OS) (Incl. 16)
15 32241	Ring Set (Std.) (3-1/2" Bore)
15 32242	Ring Set (.010" OS)
15 32243	Ring Set (.020" OS)
15 32625	Ring Set (.030" OS)
15 32626	Ring Set (.040" OS)
15 32336	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)
18 32077	Bolt, Connecting rod
19 26073	Washer, Connecting rod
20 28264	Nut Assy., Lock
21 32150	Camshaft (MCR)
22 31939	Lifter, Valve
23 32685	Cylinder Cover (Incl.4,25,26A,28,30,3 4 & 43)
23A 31956A	* Gasket, Cylinder cover
25A 29673	* Gasket, Oil fill
26 33069	Dipstick (Incl. 25A)
28 32426	Spacer, Governor rod
29 650588	Screw, 1/4-20 x 2"
30 31927	Oil Drain Plug
31 31968	Link, Governor
32 650451	Screw, 1/4-20 x 1"
33 31964	Clamp, Governor lever
34 29193	Ring, Retaining
35 31963	Lever, Governor adjusting
36 650518	Lockwasher
37 650544	Screw, 10-24 x 7/8"
38 7975	Nut, 10-24
39 31965	Plate, Governor spring

	Screw, 10-32 x 1/2"
:	
	Spring, Governor
	Washer, Flat
	Rod Assy., Governor
	Spool, Governor
	•
	Ring, Retaining
	Gear Assy., Governor
	Shaft, Mechanical Governor
	* Gasket, Cylinder head
	Head, Cylinder
	Screw, 5/16-18 x 2" (Use as required)
	Screw, 5/16-18 x 1-5/8" (Use as required)
	Screw, 5/16-18 x 2-3/8" (Use as requi red)
	Screw, 5/16-18 x 2-1/4" (Use as required)
	Screw, 5/16-18 x 1-5/8" (Use as required)
	Screw, 5/16-18 x 2-1/2" (Use as required)
	Screw, 5/16-18 x 1-3/4" (Use as required)
	Screw, 5/16-18 x 5/8" (Use as require d)
	Resistor Spark Plug (RJ-8C)
	Resistor Spark Plug (RJ-17LM)
	Cover, Cylinder head
	Washer, Plain
	Washer, Flat (Use as required)
	Washer, Belleville (Use as required)
	Washer, Lock (Use as required)
	Screw, 10-24 x 1/2"
	Extension, Blower housing
	Bracket, Fuel tank
	Fuel Cap (White Plastic)(Std.)(As req uired)
	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
	required)
	Strap, Fuel tank
	Screw, 1/4-20 x 1"
	Nut, Flange whiz-lock, 1/4-20
	Screw, 1/4-20 x 27/32" (Use as required)
	Screw, 1/4-20 x 5/8" (Use as required )
	Screw, 1/4-20 x 1/2" (Use as required )
:	Screw, 5/16-18 x 7/8" (Use as require d)
:	Strainer & Shut-off, Fuel
	Clamp, Fuel line (Úse as required)
	Fuel Line (Braided) (32") (Use as req uired)
	Fuel Line (Braided) (48") (Use as req uired)
	Fuel Line (Braided) (8.25") (Use as required)
	Fuel Line (Braided) (16") (Use as req uired)
	Baffle, Blower housing
:	Screw, 1/4-20 x 5/8"
-	Terminal
	Grommet, Plastic
	Screw, 8-32 x 3/8"
	Bearing, Tapered roller
	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 dasket must be limited to a
	gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used

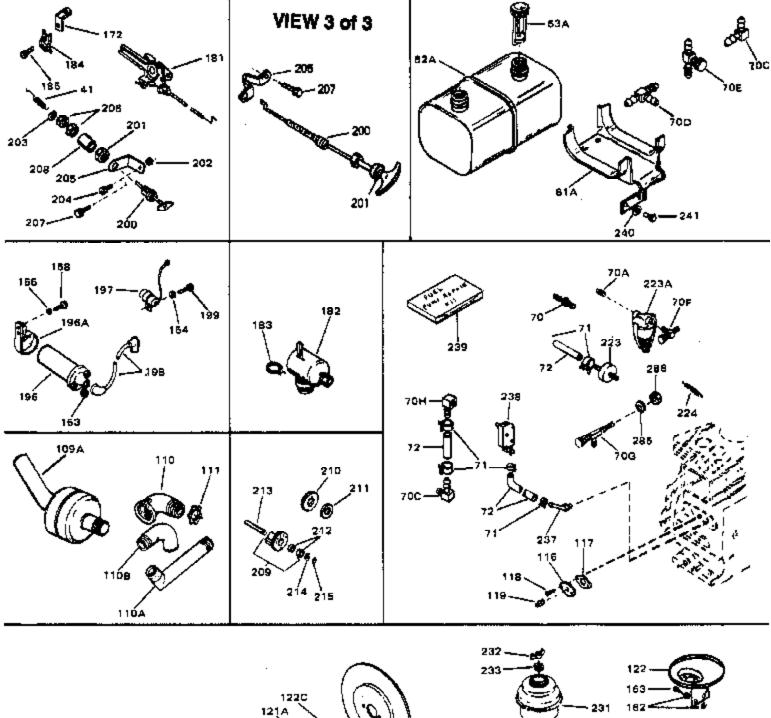
		ty Description
81	31971	* Gasket, Shim (.004/.005 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as req
82	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 gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as req
	32599 32577	"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
84A 85 86 87 91 92 93 94 95 96 98 99 100 101 102 103 104 105 106 107 108 109 112 115 120 121 125A 126 128 128	792028   650679   650666   650594   33037   8274   650595   32039   650890   26073   650624   31958   31957   35350   650128   28558   31966   31984A   650597   650591   33099   32042   32043B   33038   27272   650399   30767   32810   650513   650713   650713   650713   650713   650713   650713   650713   650713   650713   650429   792028	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 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 Screw, 5/16-18 x 5/8" (Use as require d) Screw, 5/16-18 x 3/4" (Use as require d)
145 146	8274 26073 33263 650451 34061	Lockwasher, Split (Use as required) Washer, Flat (Use as required) * Gasket, Carburetor Screw, 1/4-20 x 1" Baffle, Air

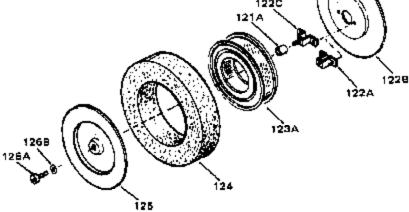
Ref #	Part Number Qty	Description
151	610908	Terminal, Female
156	730201	Trigger Pin Kit (Use as required)
173	610118	Cover, Spark plug (Use as required)
176	31992	Spacer, Screen
177	8345	Washer, 1/4 plain (Use as required)
178	27070	Washer, Lock 1/4 E.T. (Use as require d)
178	650675	Washer, Flat 1/4 (Use as required)
184	27793	Clip, Conduit
185	28942	Screw, 10-32 x 3/8"
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
299	34346	Decal, Instruction
299B	550223	Decal, Name
299B	32676	Decal, Solid State
299A	31752	Decal, Air cleaner
300A	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 *)

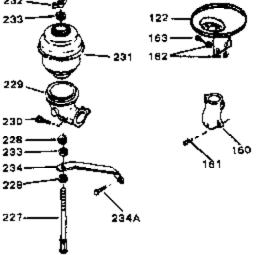


Ref #	Part Number	Qty [	Description
178	27070	۱	Washer, Lock 1/4 E.T. (Use as require d)
178	650675	١	Washer, Flat 1/4 (Use as required)
180	650701	9	Screw, 8-18 x 7/16" (Use as required)
222	792028	9	Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor)
222	650781	5	Screw,5/16-18 x 11/16"(Use w/33835 st r.motor)
235	34276		Plate, Cover (Use as required to cover regulator mounting hole in blower housing)
236	650736	S	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	ŀ	Harness Assy., Adapter (Use as requir ed)
257B	610824		Flat Connector (Female terminals) (As req.)
266	610750		Grommet, Lead wire
275	730198	S	Starter Switch Kit(Incl. 287-298) (As req.)

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Ref #	Part Number Qt	y Description
	31967	Spring, Governor
62A	31977	Fuel Tank (Incl. 63)
71	26460	Clamp, Fuel line (Use as required)
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)
72	30705	Fuel Line (Braided) (16") (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
184	27793	Clip, Conduit
185	28942	Screw, 10-32 x 3/8"