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

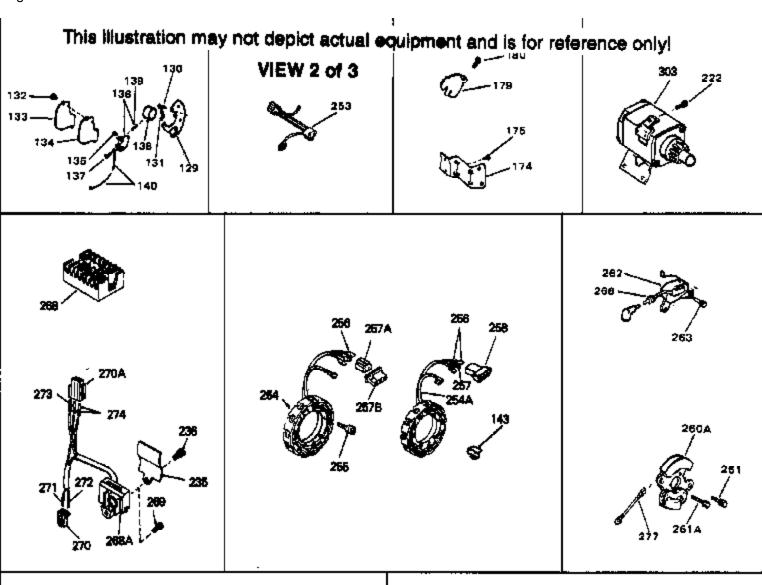


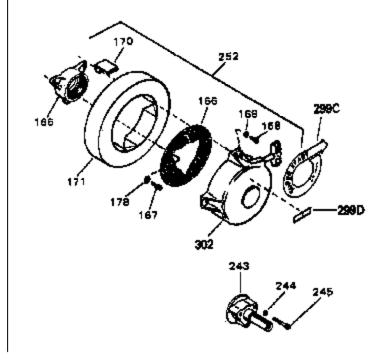
Ref # Part Number	Qty Description
1 33039	Cylinder (Incl.2,4,30,47,119) (3-5/16 ")
2 27652	Pin, Dowel
4 31950	Seal, Oil
5 31940	Intake Valve (Std.)
5 31941	Intake Valve (1/32" OS) (Incl. 9)
6 31942	Exhaust Valve (Std.)
6 31943	Exhaust Valve (1/32" OS) (Incl. 9)
7 650592	Key, Flywheel
8 31944	Spring, Valve
9A 31945	Cap, Lower valve spring (Std.)
9A 31946	Cap, Lower valve spring (1/32" OS)
9 31946	Cap, Lower valve spring (1/32" OS)
9 31945	Cap, Lower valve spring (Std.)
10 20810	Pin, Valve spring retainer
11 33391B	Crankshaft (Incl. 12, 13, 78 & 79)
12 29783	Pin, Crankshaft gear
13 31931	Gear, Crankshaft
14 34508	Piston, Pin & Ring Set (Std.) (3-5/16 " Bore)
14 34509	Piston, Pin & Ring Set (.010" OS)
14 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")
14A 32002B	Piston & Pin Ass'y. (.010" OS) (Incl. 16)
14A 32003B	Piston & Pin Ass'y. (.020" OS) (Incl. 16)
14A 32619B	Piston & Pin Ass'y. (.030" OS) (Incl. 16)
15 32004	Ring Set (Std.) (3-5/16" Bore)
15 32005	Ring Set (.010" OS)
15 32006	Ring Set (.020" OS)
15 32623	Ring Set (.030" OS)
15 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)
18 32077	Bolt, Connecting rod
19 26073	Washer, Connecting rod
20 28264	Nut Assy., Lock
21 32150	Camshaft (MCR)
22 31939	Lifter, Valve
23 32580A	Cover, Cylinder (Incl. 4, 28, 30, 34, & 43)
23A 31956A	* Gasket, Cylinder cover
25A 29673	* Gasket, Oil fill
25A 35499	"O" Ring
26 33069	Dipstick (Incl. 25A)
28 32426	Spacer, Governor rod
29 650588	•
30 31927	Screw, 1/4-20 x 2"
	Oil Drain Plug
31 31968 32 650454	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

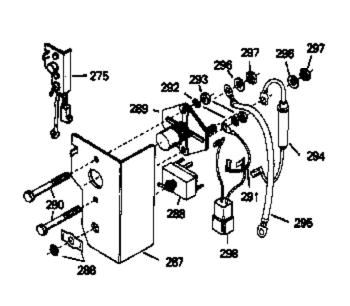
Ref #	Part Number	Qtv	Description
	31965		Plate, Governor spring
	30312		Screw, 10-32 x 1/2"
	31967		Spring, Governor
	30590A		Washer, Flat
	32425		Rod Assy., Governor
	31948		Spool, Governor
	29193		Ring, Retaining
	31947		Gear Assy., Governor
	31930		Shaft, Mechanical Governor
	32000A		* Gasket, Cylinder head
	33034		Head, Cylinder 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)
	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)
	650128		Screw, 10-24 x 1/2"
	31976		Extension, Blower housing
	31978		Bracket, Fuel tank
	410144B		Fuel Cap (White Plastic)(Std.)(As req uired)
63	34210		Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
			required)
64	31979		Strap, Fuel tank
	650451		Screw, 1/4-20 x 1"
	650456		Nut, Flange whiz-lock, 1/4-20
	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 required)
	29683		Strainer & Shut-off, Fuel
	26460		Clamp, Fuel line (Use as required)
	29774		Fuel Line (Braided) (8.25") (Use as r equired)
	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)
	31975		Baffle, Blower housing
	650561		Screw, 1/4-20 x 5/8"
	33356		Terminal
	28545		Grommet, Plastic
	650760		Screw, 8-32 x 3/8"
	31932		Bearing, Tapered roller
79	31928		Cup, Bearing

80	Part Number 32031	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
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 32677		"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 99 100 101 102 103 104 105 106 107 108 109 112 113 114 115 120 121	650668 650679 650666 650594 33037 8274 650595 32039 650890 26073 650624 31958 31957 35350 650128 28558 31966 31984A 650597 650591 33099 32042 32043B 33038 29752 650587 27272 650399 30767 32378		Screw, 10-32 x 1" 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 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 Bracket, Air cleaner
	32376		Bracket, Air cleaner

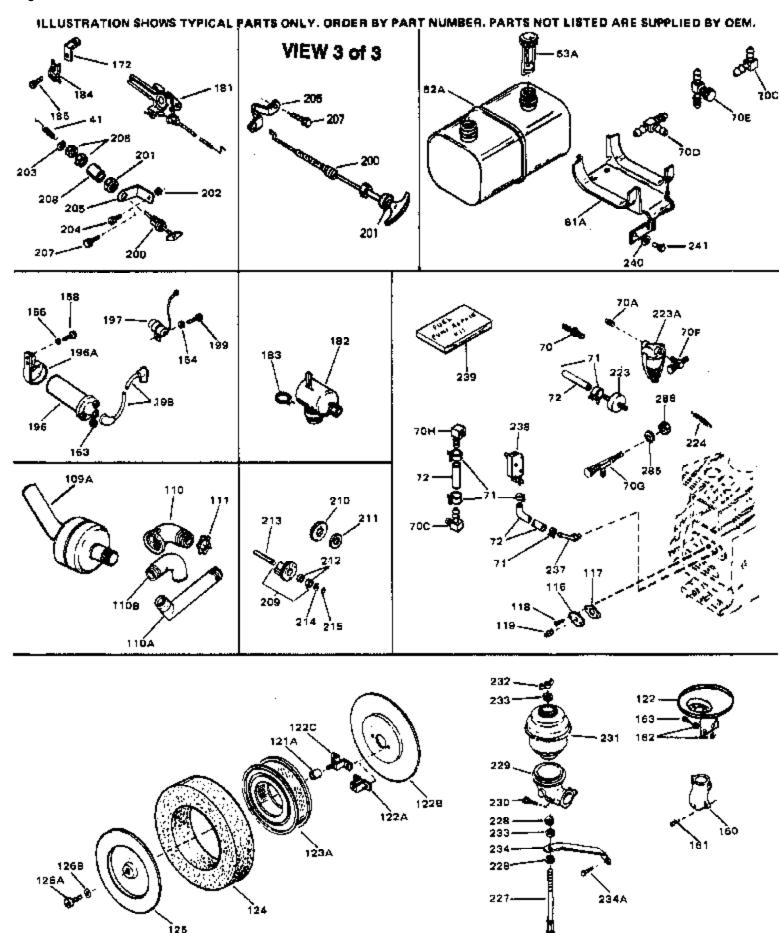
Ref #	Part Number	Qty	Description
125A	32009		Cover, Air cleaner
126	650513		Nut, Wing
128	650713		Screw, 5/16-18 x 5/8" (Use as require d)
128	650429		Screw, 5/16-18 x 3/4" (Use as require d)
128	792028		Screw, 5/16-18 x 7/8" (Use as require d)
141A	8274		Lockwasher, Split (Use as required)
141	26073		Washer, Flat (Use as required)
145	31960		* Gasket, Carburetor
147	31959		Baffle, Air
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)
266	610750		Grommet, Lead wire
278	610758		Flywheel
299B	550223		Decal, Name
299B	32676		Decal, Solid State
299	34346		Decal, Instruction
299A	31752		Decal, Air cleaner
300	32255A		Valve, Seat, Spring & Gasket Assy.
301	631564		Carburetor (Incl. 145) (Refer to Division 5, Section A, page 94 for breakdown)
304	33237A		* Gasket Set (Incl. items marked *)







Ref #	Part Number	Qty	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)
257B	610824		Flat Connector (Female terminals) (As req.)
260A	610759		Solid State Magneto
261	650489		Screw, 1/4-20 x 5/8"
261A	650669		Screw, 5/16-18 x 1-1/4"
262	610760		Solid State Transformer Ass'y.(Incl.1 73,266)
263	650561		Screw, 1/4-20 x 5/8"
266	610750		Grommet, Lead wire
	730198		Starter Switch Kit(Incl. 287-298) (As req.)
277	30831		Ground Wire (Incl. 75)



Ref #	Part Number Q	y Description
41	31967	Spring, Governor
62A	31977	Fuel Tank (Incl. 63)
70	29634	Fitting, Fuel line
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)
123A	32008	Element, Air cleaner
184	27793	Clip, Conduit
185	28942	Screw, 10-32 x 3/8"