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



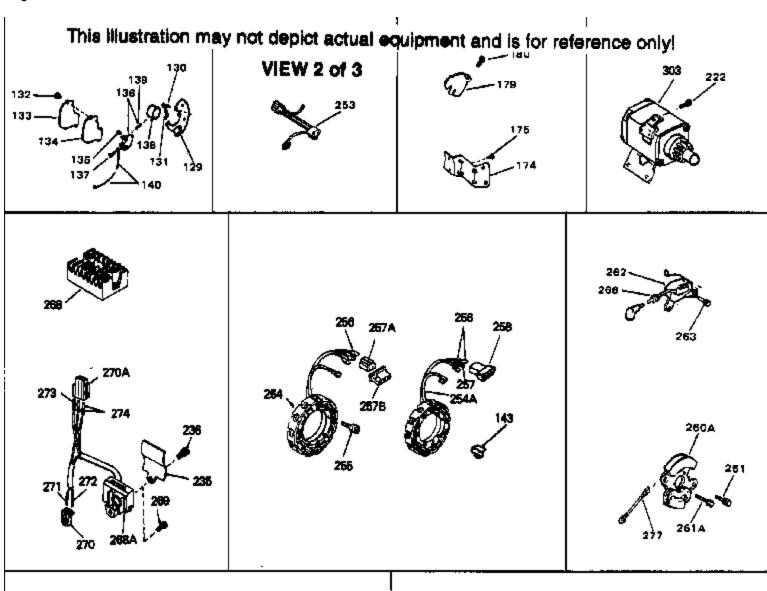
Ref #	Part Number	Otv	Description
	33039	Qty	Cylinder (Incl.2,4,30,47,119) (3-5/16 ")
	27652		Pin, Dowel
	31950		Seal, Oil
	31940		Intake Valve (Std.)
	31941		Intake Valve (1/32" OS) (Incl. 9)
6	31942		Exhaust Valve (Std.)
6	31943		Exhaust Valve (1/32" OS) (Incl. 9)
7	650592		Key, Flywheel
8	31944		Spring, Valve
	31945		Cap, Lower valve spring (Std.)
	31946		Cap, Lower valve spring (1/32" OS)
	31946		Cap, Lower valve spring (1/32" OS)
	31945		Cap, Lower valve spring (Std.)
	20810		Pin, Valve spring retainer
	34278B		Crankshaft (Incl. 12, 13, 78 & 79)
	29783		Pin, Crankshaft gear
	34692		Gear, Crankshaft
	34508		Piston, Pin & Ring Set (Std.) (3-5/16 "Bore)
	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)
	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)
	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)
18	32077		Bolt, Connecting rod
19	26073		Washer, Connecting rod
20	28264		Nut Assy., Lock
21	34693		Camshaft (MCR) (Helical)
	31939		Lifter, Valve
	31956A		* Gasket, Cylinder cover
	32685		Cylinder Cover (Incl.4,25,26A,28,30,3 4 & 43)
	29673		* Gasket, Oil fill
	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
35	31963		Lever, Governor adjusting
36	650518		Lockwasher
	650544		Screw, 10-24 x 7/8"
	7975		Nut, 10-24
	31965		Plate, Governor spring
00	<del></del>		,

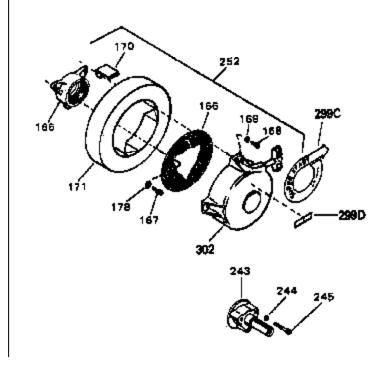
Ref#	Part Number	Qty	Description
40	30312		Screw, 10-32 x 1/2"
41	31967		Spring, Governor
	30590A		Washer, Flat
	32425		Rod Assy., Governor
	31948		Spool, Governor
	29193		Ring, Retaining
	34691		Governor Gear Ass'y. (Helical)
	31930		
			Shaft, Mechanical Governor
	32000A		* Gasket, Cylinder head
	33034		Head, Cylinder
	650694A		Screw, 5/16-18 x 2" (Use as required)
	650711		Screw, 5/16-18 x 1-5/8" (Use as requi red)
	650628A		Screw, 5/16-18 x 2-3/8" (Use as requi red)
	650695A		Screw, 5/16-18 x 2-1/4" (Use as required)
	650714		Screw, 5/16-18 x 1-5/8" (Use as requi red)
	650697A		Screw, 5/16-18 x 2-1/2" (Use as requi red)
51	650692		Screw, 5/16-18 x 1-3/4" (Use as requi red)
51	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
	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 require d)
	29683		Strainer & Shut-off, Fuel
	26460		Clamp, Fuel line (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)
	30705		Fuel Line (Braided) (16") (Use as req uired)
73	31975		Baffle, Blower housing
74	650561		Screw, 1/4-20 x 5/8"
75	33356		Terminal
	28545		Grommet, Plastic
	650760		Screw, 8-32 x 3/8"
	31932		Bearing, Tapered roller
	31928		Cup, Bearing
	32031		Spacer, Steel (.010" thick) NOTE: Determine the gap
00	02001		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 remilled

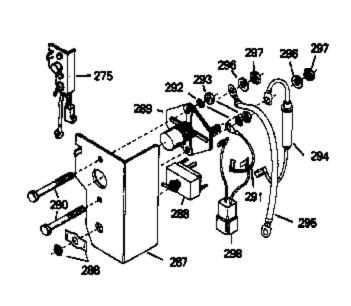
as required

Ref #	Part Number	Qtv	Description
	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
84	792028		Screw, 5/16-18 x 7/8"
	650679		Lockwasher, 5/16" (Use as required)
	650666		Washer, Lock
	650594 33037		Nut, Flywheel, 3/4-16
	8274		Blower Housing Washer, Lock
	650595		Screw, 5/16-24 x 3/8"
	32039		Switch, Stop
94	650890		Washer, Shakeproof
	26073		Washer, Flat
	650624		Screw, 5/16-24 x 9/16"
	31958		* Gasket, Breather
	31957 35350		Breather Assy. Tube, Breather
	650128		Screw, 10-24 x 1/2"
	650597		Screw, 10-24 x 5/8"
	32042		Nipple, Exhaust pipe
	32043B		Muffler
	33038		Plug, Button (Use as required)
	27272		* Gasket, Air cleaner
	650399 30767		Screw, 10-32 x 5/8" Spacer, Air cleaner
	32810		Cover, Air cleaner
	650513		Nut, Wing
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)
	8274 33263		Lockwasher, Split (Use as required)  * Gasket, Carburetor
	650451		Screw, 1/4-20 x 1"
	34061		Baffle, Air
	610908		Terminal, Female
	730201		Trigger Pin Kit (Use as required)
	610118		Cover, Spark plug (Use as required)
	31992		Spacer, Screen
177	8345		Washer, 1/4 plain (Use as required)

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)
187	650713		Screw, 5/16-18 x 5/8"
188	26073		Washer, Flat
	33776		Screen, Starter pulley
	31980		Pulley, Starter
	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
	610906		Solid State Magneto (Incl.151,173,265,266)(20 Amp)
	611000		Flywheel
	550223		Decal, Name
299B	34768		Decal, Name
299	34346		Decal, Instruction
	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		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.)
266	610750		Grommet, Lead wire
275	730198		Starter Switch Kit(Incl. 287-298) (As req.)



Ref #	Part Number	Qty	Description
41	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)
122B	34065		Bracket, Air cleaner
122C	32907B		Bracket, Air cleaner
123A	32008		Element, Air cleaner
200	32421		Control Assy., Speed (Incl. 206)
201	650641		Nut, Jam
205	33597		Bracket, Speed control
206	650456		Nut, Flanged whiz-lock
207	650556		Screw, 1/4-28 x 5/8"