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

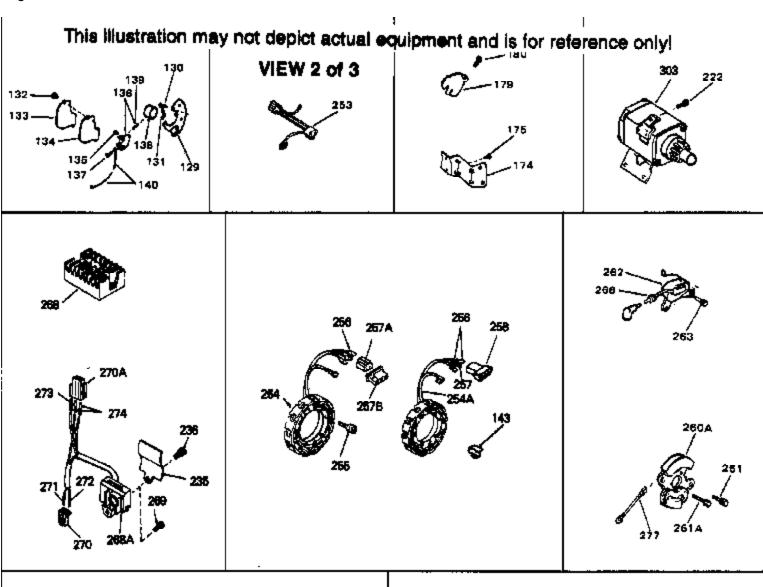


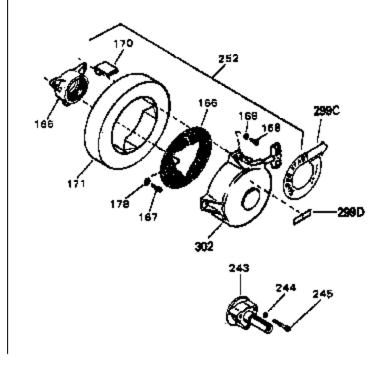
Ref #	Part Number	Otv	Description
	33039	Qty	Cylinder (Incl.2,4,30,47,119) (3-5/16 ")
	27652		Pin, Dowel
	31950		Seal, Oil
	31940		Intake Valve (Std.)
	31941		Intake Valve (1/32" OS) (Incl. 9)
	31942		Exhaust Valve (Std.)
	31943		Exhaust Valve (1/32" OS) (Incl. 9)
	650592		Key, Flywheel
8	31944		Spring, Valve
9	31946		Cap, Lower valve spring (1/32" OS)
9	31945		Cap, Lower valve spring (Std.)
9A	31945		Cap, Lower valve spring (Std.)
	31946		Cap, Lower valve spring (1/32" OS)
	20810		Pin, Valve spring retainer
	33937B		Crankshaft (Incl.12,13,78,79,209,210 & 211)
	29783		Pin, Crankshaft gear
	34692		Gear, Crankshaft
			·
	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)
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)
	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
	34752		Camshaft (MCR) (Helical)
	31939		Lifter, Valve
	31956A		* Gasket, Cylinder cover
	34002A		Cover, Cylinder (Incl. 4, 30, 119 & 2 13)
	29673		* Gasket, Oil fill
25A	35499		"O" Ring
26	33069		Dipstick (Incl. 25A)
28	32426		Spacer, Governor rod
	650492		Screw, 1/4-20 x 2-1/4"
	28483		Oil Drain Plug
	31927		Oil Drain Plug
	31968		Link, Governor
	650451		Screw, 1/4-20 x 1"
	31964		Clamp, Governor lever
	29193		Ring, Retaining
	31963 650518		Lever, Governor adjusting
	650518 650544		Lockwasher
37	650544		Screw, 10-24 x 7/8"

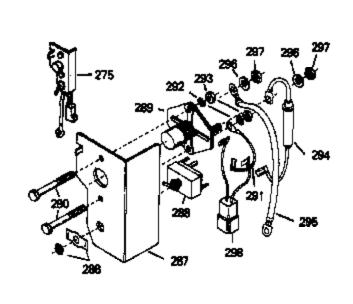
Ref # Part Number	Qty	Description
38 7975		Nut, 10-24
39 31965		Plate, Governor spring
40 30312		Screw, 10-32 x 1/2"
41 31967		Spring, Governor
42 30590A		Washer, Flat
43 32425		Rod Assy., Governor
44 31948		Spool, Governor
45 29193		Ring, Retaining
46 34691		Governor Gear Ass'y. (Helical)
47 31930		Shaft, Mechanical Governor
48 32000A		* Gasket, Cylinder head
49 33034		Head, Cylinder
51 650694A		Screw, 5/16-18 x 2" (Use as required)
51 650711		
		Screw, 5/16-18 x 1-5/8" (Use as required)
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 requi red)
51 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
55 28537		Washer, Plain
57 650691		Washer, Flat (Use as required)
58 650690		Washer, Belleville (Use as required)
58 8274		Washer, Lock (Use as required)
59 650128		Screw, 10-24 x 1/2"
60 31976		Extension, Blower housing
63 410144B		Fuel Cap (White Plastic)(Std.)(As req uired)
63 34210		Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
		required)
		• •
67 650517		Screw, 1/4-20 x 27/32" (Use as requir ed)
67 650561		Screw, 1/4-20 x 5/8" (Use as required )
67 30063		Screw, 1/4-20 x 1/2" (Use as required )
67 792028		Screw, 5/16-18 x 7/8" (Use as require d)
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)
73 31975		Baffle, Blower housing
74 650561		Screw, 1/4-20 x 5/8"
76 28545		Grommet, Plastic
77 650760		Screw, 8-32 x 3/8"
78 31932		Bearing, Tapered roller
79 31928		Cup, Bearing
80 32031		Spacer, Steel (.010" thick) NOTE: Determine the gap
00 32031		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

	Part Number 31971	Qty	Description  * 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 99 100 101 102 103 104 105 106 107 108 112 115 120 121 122E 122D 123 125A 126 128	792028 650679 650666 650594 33037 8274 650595 32039 650890 26073 650624 31958 31957 35350 650128 28558 31966 31984A 650597 650591 33099 33853 33038 27272 650399 30767 32377 32380 31925 31926 650513 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 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 Plug, Button (Use as required) * Gasket, Air cleaner Screw, 10-32 x 5/8" Spacer, Air cleaner Bracket, Air cleaner Bracket, Air cleaner Bracket, 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) Screw, 5/16-18 x 7/8" (Use as require d) Screw, 5/16-18 x 7/8" (Use as require d)
141A 141	8274 26073 33263		Lockwasher, Split (Use as required) Washer, Flat (Use as required) * Gasket, Carburetor

Ref #	Part Number	Qty	Description
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)
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
216	33467		Tube, Extension, Oil fill
217	650744		Screw, 10-24 x 7/8"
	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
	34768		Decal, Name
	34346		Decal, Instruction
	631021		Inlet Needle, Seat & Clip Assy.
301	632271		Carburetor (Incl. 145) (Refer to Division 5, Section A, page
			186 for breakdown)
304	33237A		* Gasket Set (Incl. items marked *)
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Ref #	Part Number	Qty	Description
	32048	۵.,	Hub, Starter
	32049		Screen, Starter hub
	650516		Screw, 1/4-20 x 1-1/8"
168	650598		Screw, 1/4-28 x 3/4"
169	8345		Washer, Flat
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)
	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)
			<b>5</b> /
	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)
050	22242		• •
	33018		Harness Assy., Adapter (Use as required)
	610824 610750		Flat Connector (Female terminals) (As req.) Grommet, Lead wire
	730198		Starter Switch Kit(Incl. 287-298) (As req.)
	590405A		Rewind Starter (Refer to Division 5, Section C, page 24 for
302	3 <del>30403A</del>		breakdown)



Ref #	Part Number Qt	y Description
41	31967	Spring, Governor
70E	33053	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)
184	27793	Clip, Conduit
185	28942	Screw, 10-32 x 3/8"
209	33964	Weight Assy., Counterbalance (Helical teeth) (Incl. 2 of 212)
210	33963	Gear, Counterbalance Weight
211	33499	Spacer
212	33501	Bearing, Needle
213	33502	Shaft, Counterbalance
214	33503	Washer, Thrust
215	792017	Ring, Retaining