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

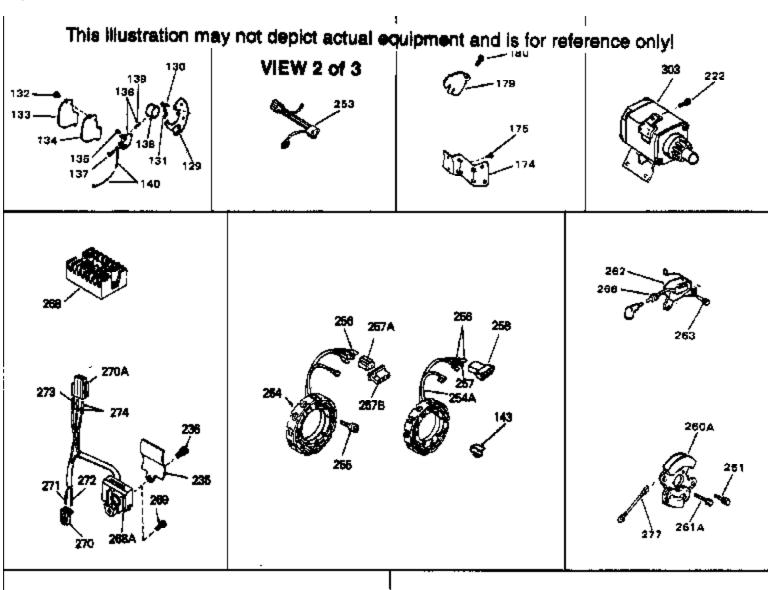


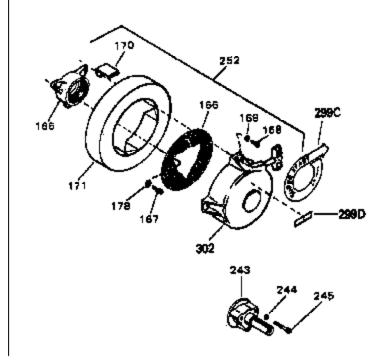
Ref #	Part Number	Otv	Description
	33039	Gty	Cylinder (Incl.2,4,30,47,119) (3-5/16 ")
	27652		Pin, Dowel
			·
	31950		Seal, Oil
	31940		Intake Valve (Std.)
	31941		Intake Valve (1/32" OS) (Incl. 9)
	31942		Exhaust Valve (Std.)
	31943		Exhaust Valve (1/32" OS) (Incl. 9)
	650592		Key, Flywheel
	31944		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	33397A		Crankshaft (Incl. 12, 13, 78 & 79)
	29783		Pin, Crankshaft gear
	31931		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)
	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
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
	32150		Camshaft (MCR)
	31939		Lifter, Valve
	32685		Cylinder Cover (Incl.4,25,26A,28,30,3 4 & 43)
	31956A		* Gasket, Cylinder cover
	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 7/8"
	650544		Screw, 10-24 x 7/8"
38	7975		Nut, 10-24

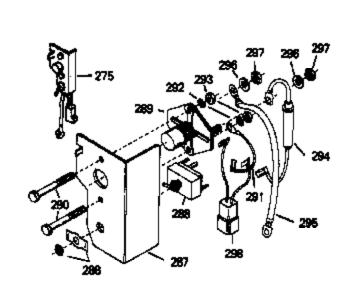
Ref #	Part Number C	tv D	Description
	31965		Plate, Governor spring
	30312		Screw, 10-32 x 1/2"
	31967		Spring, Governor
	30590A		Vasher, Flat
	32425		Rod Assy., Governor
	31948		Spool, Governor
	29193		Ring, Retaining
	31947		Gear Assy., Governor
	31930		Shaft, Mechanical Governor
	32000A		Gasket, Cylinder 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)
	650628A		Screw, 5/16-18 x 2-3/8" (Use as requi red)
	650695A		Screw, 5/16-18 x 2-1/4" (Use as requi red)
	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)
	650692		Screw, 5/16-18 x 1-3/4" (Use as requi red)
	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		Vasher, Plain
	650691		Vasher, Flat (Use as required)
	650690		Vasher, Belleville (Use as required)
	8274		Vasher, 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)
	34210		uel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
			equired)
C4	24070		
	31979 650454		Strap, Fuel tank
	650451		Screw, 1/4-20 x 1"
	650456 650547		Nut, Flange whiz-lock, 1/4-20
	650517 650564		Screw, 1/4-20 x 27/32" (Use as requir ed) Screw, 1/4-20 x 5/8" (Use as required)
	650561		
	30063		Screw, 1/4-20 x 1/2" (Use as required)
	792028 29683		Screw, 5/16-18 x 7/8" (Use as require d) Strainer & Shut-off, Fuel
	29063 26460		Clamp, Fuel line (Use as required)
	29774		Fuel Line (Braided) (8.25") (Use as r equired)
	30705		Fuel Line (Braided) (8.23) (Use as required)
	30962		Fuel Line (Braided) (10) (Use as req uired)
	30965		Fuel Line (Braided) (32) (Use as required)
	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
	31928		Dup, Bearing
19	0.020	O	oup, boding

Rof #	Part Number (Qty Description
	32031	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
	32599 31972	"O" Ring * 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
83	32677	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 85 86 87 91 92 93 94 95 96 98 99 100 101 102 103 104 105 106 107 109 112 113 114 115 120 121 122D 122E	650679 650668 650666 650594 33037 8274 650595 32039 650890 26073 650624 31958 31957 35350 650128 28558 31966 31984A 650597 650591 33099 32043B 33038 29752 650587 27272 650399 30767 32378 32376 32009	Lockwasher, 5/16" (Use as required) Screw, 10-32 x 1" 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 2" Spring 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 Bracket, Air cleaner Cover, Air cleaner

	Part Number	Qty	Description
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
299A	31752		Decal, Air cleaner
299	34346		Decal, Instruction
	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	Qty 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)
110A	32585	55 Degree Exhaust Elbow
111	650590	Nut, Conduit
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"