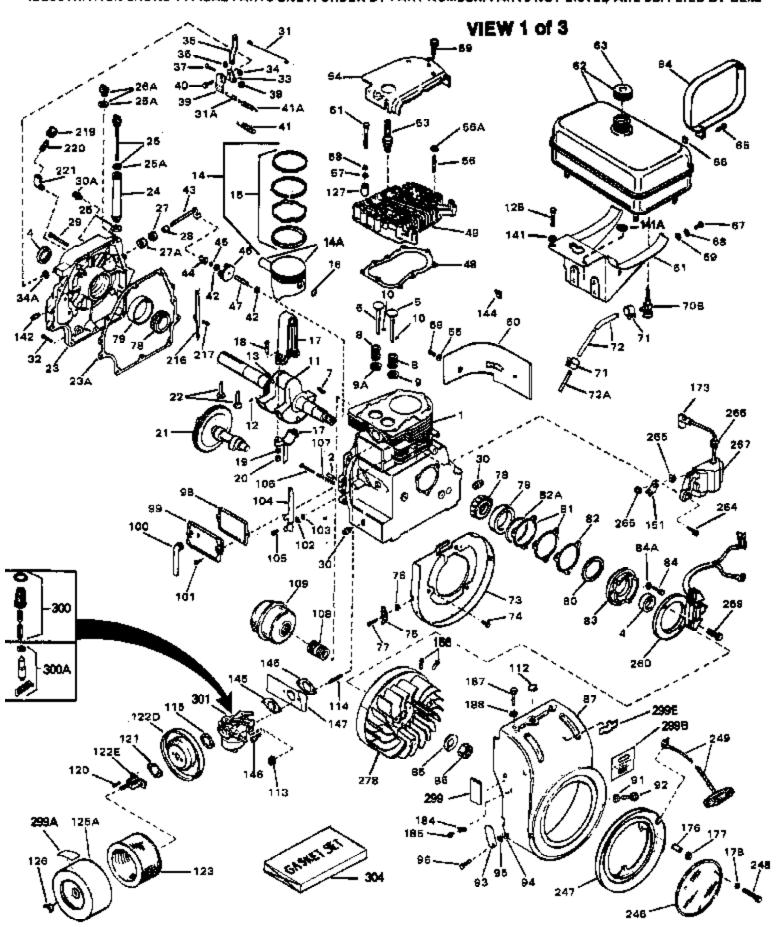
## ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.



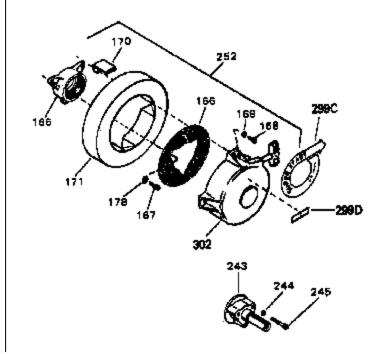
Ref #	Part Number	Qtv	Description
	33039	,	Cylinder (Incl.2,4,30,47,119) (3-5/16 ")
	27652		Pin, Dowel
	31950		Seal, Oil
	31940		Intake Valve (Std.)
	31941		Intake Valve (1/32" OS) (Incl. 9)
	31942		Exhaust Valve (Std.)
	31943		Exhaust Valve (3.2" OS) (Incl. 9)
	650592		Key, Flywheel
	31944		Spring, Valve
	31946		Cap, Lower valve spring (1/32" OS)
			,
	31945		Cap, Lower valve spring (Std.)
	31945		Cap, Lower valve spring (\$\footnote{\text{Cap}}, \text{Lower valve spring (\$\footnote{\text{Cap}}, \text{Cap}, \text
	31946		Cap, Lower valve spring (1/32" OS)
	20810		Pin, Valve spring retainer
	32059B		Crankshaft (Incl. 12, 13, 17, 78 & 79 )
	29783		Pin, Crankshaft gear
	31931		Gear, Crankshaft
	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)
	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)
	32004		Ring Set (Std.) (3-5/16" Bore)
	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
	26073		Washer, Connecting rod
	28264		Nut Assy., Lock
	32150		Camshaft (MCR)
	31939		Lifter, Valve
	31956A		* Gasket, Cylinder cover
	32580A		Cover, Cylinder (Incl. 4, 28, 30, 34, & 43)
	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
	650544		Screw, 10-24 x 7/8"
	7975		Nut, 10-24 x 7/8
30	1010		INUL, IU-ZT

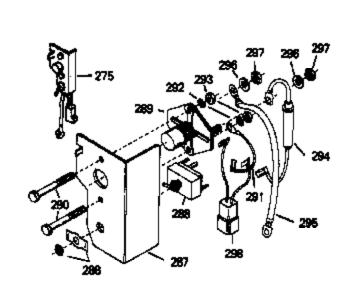
Ref #	Part Number	Otv	Description
	31965	Qty	Plate, Governor spring
	30312		Screw, 10-32 x 1/2"
	31967		Spring, Governor
	30590A		Washer, Flat
	32425		Rod Assy., Governor
	31948		Spool, Governor
	29193		Ring, Retaining
46	31947		Gear Assy., Governor
47	31930		Shaft, Mechanical Governor
48	32000A		* Gasket, 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 required)
	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)
	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)
53	33636		Resistor Spark Plug (RJ-8C)
53	34251		Resistor Spark Plug (RJ-17LM)
54	33035		Cover, Cylinder head
55	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 required)
	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)
	8345		Washer, Flat
	8303		Lockwasher
	29683		Strainer & Shut-off, Fuel
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)
	30962		Fuel Line (Braided) (32") (Use as req uired)
	30965		Fuel Line (Braided) (48") (Use as req uired)
	32579		Baffle, Blower housing
	650561		Screw, 1/4-20 x 5/8"
	31932		Bearing, Tapered roller
			<del>-</del> -
	31928		Cup, Bearing
80	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

Ref #	Part Number	Otv	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
	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	32577		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"
84A	650679		Lockwasher, 5/16" (Use as required)
	650666		Washer, Lock
	650594		Nut, Flywheel, 3/4-16
	33044A		Blower Hsg. (Incl.73) (For electric s tarter)
	8274 650595		Washer, Lock
	8274		Screw, 5/16-24 x 3/8" Washer, Lock
	650624		Screw, 5/16-24 x 9/16"
	31958		* Gasket, Breather
	31957		Breather Assy.
	35350		Tube, Breather
101	650128		Screw, 10-24 x 1/2"
	28558		Washer, Wave
103	31966		Bushing, Control lever
	31984A		Lever, Control
	650597		Screw, 10-24 x 5/8"
	650591		Screw, 10-24 x 2"
	33099 32042		Spring Nipple, Exhaust pipe
	32043B		Muffler
	33038		Plug, Button (Use as required)
	29752		Nut & Lockwasher Assy.
	650587		Stud, Carburetor
115	27272		* Gasket, Air cleaner
	650399		Screw, 10-32 x 5/8"
	30767		Spacer, Air cleaner
	32376		Bracket, Air cleaner
	32378		Bracket, Air cleaner
	32009 650513		Cover, Air cleaner Nut, Wing
	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)
141A			Lockwasher, Split (Use as required)
	26073		Washer, Flat (Use as required)
145	31960		* Gasket, Carburetor

Ref #	Part Number	Qty	Description
147	31959	·	Baffle, Air
151	33356		Terminal, Ground
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"
	650713		Screw, 5/16-18 x 5/8"
	26073		Washer, Flat
	33776		Screen, Starter pulley
	31980		Pulley, Starter
	650680		Screw, 1/4-20 x 1-1/2"
	32046		Rope Assy., Starter (Use as required)
	650661		Screw, 1/4-20 x 3/4"
	610408		Nut, Hex
	610750		Grommet, Lead wire
	610748		Solid State Magneto (Incl.151,173,265,266)
	610746		Solid State Flywheel
	34346		Decal, Instruction
	550223		Decal, Name
	32676		Decal, Solid State
	31752		Decal, Air cleaner
	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 *)

## This illustration may not depict actual equipment and is for reference only! VIEW 2 of 3 267A





Ref #	Part Number	Qty [	Description
178 178 180 222 222	27070 650675 650701 792028 650781 34276	\ \ \ \ \ \ F	Washer, Lock 1/4 E.T. (Use as require d) Washer, Flat 1/4 (Use as required) Screw, 8-18 x 7/16" (Use as required) Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor) Screw,5/16-18 x 11/16"(Use w/33835 st r.motor) Plate, Cover (Use as required to cover regulator mounting hole in blower housing)
	650736 730134	F	Screw, 10-16 x 3/8" (Use as required) Rewind Starter Kit (Incl. 165, 166, 167, 168, 169 & 291) (Use as required)
	33018 610761	A	Harness Assy., Adapter (Use as requir ed) Alternator Coil (Solid State) (10 Amp) (Incl. Nos. 253, 256 & 257A)
256 257B 257A 266 268 275	650416 610922 610824 610819 610750 610749 730198 33835	7 6 6 8 8 8 8	Screw, 10-32 x 1" Terminal, Female Flat Connector (Female terminals) (As req.) Connector, Pyramid (For female termin als) Grommet, Lead wire Solid State Regulator (10 Amp) Starter Switch Kit(Incl. 287-298) (As req.) Electric Starter Motor (12 Volt) NOTE: The 32817 and 33835 starter motors are used interchangeably on the se models. Refer to service numberstamped on end cap of motor, or on decal for identification. Refer to Division 5, Section D for breakdown.



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)
110	32141		90 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
172	31990		Bracket, Choke control
184	27793		Clip, Conduit
185	28942		Screw, 10-32 x 3/8"