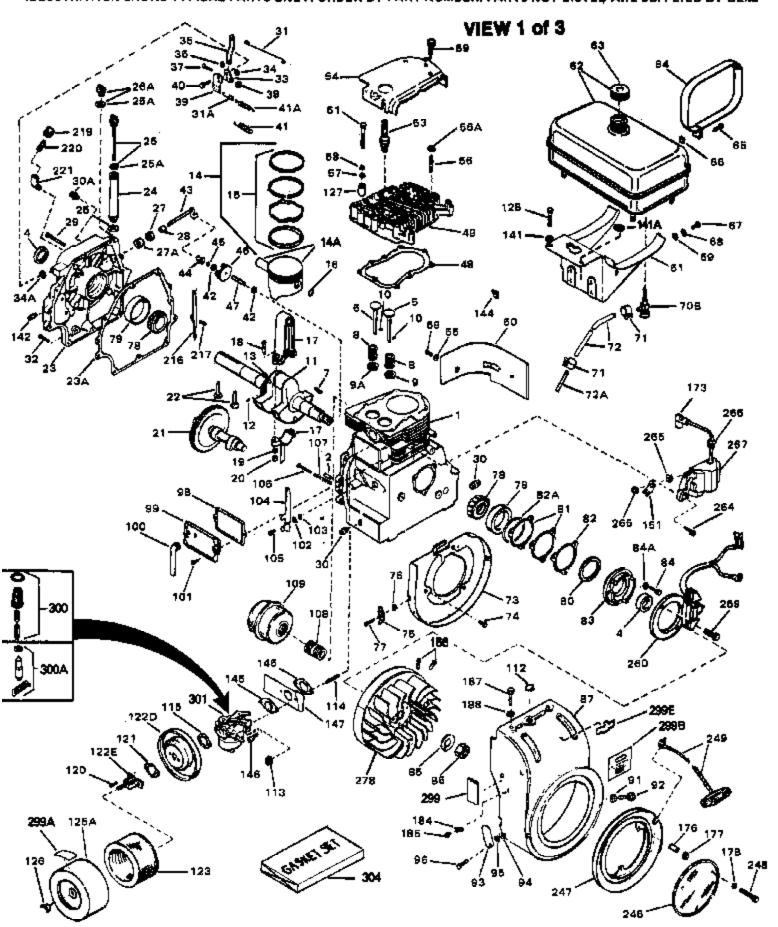
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.



1 30039	Ref #	Part Number	Qty	Description
2 27662 4 31950 5 31940 1 5 31940 1 6 31942 6 31942 6 31943 7 650592 8 31944 9A 31945 9A 31945 9A 31946 1 32, Lower valve spring (Std.) 9 31946 1 32, Lower valve spring (Std.) 9 31946 1 22, Lower valve spring (1/32° OS) 9 31946 1 22, Lower valve spring (1/32° OS) 9 31946 1 22, Lower valve spring (1/32° OS) 9 31946 1 22, Lower valve spring (1/32° OS) 1 32, Lower valve spring (1/32° OS) 9 31945 1 22, Lower valve spring (1/32° OS) 1 22, Lower valve spring (1/32° OS) 1 34, Std.) 1 22, Lower valve spring (1/32° OS) 1 31931 1 3607 1 2783 1 37931 1 3607 1 2783 1 37931 1 3607 1 37931 1 37931 1 3607 1 37931 1 37931 1 3607 1 37931 2 22664 2 2 37939 2 2 2660581 2 2 37939 2 2 2660581 3 37941 3 379			٠.,	
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6 31942 Exhaust Valve (132° OS) (Ind. 9) 7 650592 Key, Flywheel 8 31944 Spring, Valve 9 31946 Cap, Lower valve spring (152° OS) 10 20e10 Pin, Valve spring retailer 11 3207° Cankshaft (Ind. 12, 13, 17, 78 & 79) 11 229783 Pin, Carankshaft (Ind. 12, 13, 17, 78 & 79) 12 29783 Pin, Carankshaft (Ind. 12, 13, 17, 78 & 79) 14 34508 Piston, Pin & Ring Set (310° OS) 14 34509 Piston, Pin & Ring Set (310° OS) 14 34509 Piston, Pin & Ring Set (320° OS) 14 34509 Piston, Pin & Ring Set (320° OS) 14 34523 Piston, Pin & Ring Set (300° OS) 14 34523 Piston, Pin & Ring Set (040° OS) 14 34523 Piston, Pin & Ring Set (040° OS) 14 34523 Piston, Pin & Ring Set (040° OS) 14 34520 Piston & Pin Assy, (301° OS) 14 34523 Piston & Pin Assy, (301° OS) 15 32006 Piston & Pin Assy, (301° OS) 16 32004 Piston & Pin Assy, (301° OS) 16 32006 Ring Set (301° OS) 17 34383 Connecting Set (301° OS) 18 32061 Ring Set (301° OS) 19 19 19 Ring Set (301° OS) 19 19 19 Ring				,
6 31943 Exhaust Valve (1/32 ² OS) (Incl. 9) 7 660592 Key, Phywheel 8 31944 Spring, Valve 9A 31945 Cap, Lower valve spring (Stct) 9A 31946 Cap, Lower valve spring (Stct) 9A 31946 Cap, Lower valve spring (Stct) 9 31946 Cap, Lower valve spring (Stct) 10 20810 Pin, Valve spring (Stct) 11 32007C Canshaft (Incl. 12, 13, 17, 78 & 79) 12 29783 Pin, Crankshaft (Incl. 12, 13, 17, 78 & 79) 12 29783 Pin, Crankshaft (Incl. 12, 13, 17, 78 & 79) 14 34509 Piston, Pin & Ring Set (Std.) (3-5/16 " Bore) 14 34509 Piston, Pin & Ring Set (C010" OS) 14 34509 Piston, Pin & Ring Set (C010" OS) 14 34509 Piston, Pin & Ring Set (C00" OS) 14 34509 Piston, Pin & Ring Set (C00" OS) 14 34509 Piston, Pin & Ring Set (C00" OS) 14 34509 Piston, Pin & Ring Set (C00" OS) 14 34509 Piston, Pin & Ring Set (C00" OS) 15 32006 Piston & Pin Assy, (C10" OS) (Incl. 16) 14A 32001C Piston & Pin Assy, (C10" OS) (Incl. 16) 14A 32002B Piston & Pin Assy, (C10" OS) (Incl. 16) 14A 32003B Piston & Pin Assy, (C10" OS) (Incl. 16) 15 32004 Piston & Pin Assy, (C02" OS) (Incl. 16) 15 32004 Piston & Pin Assy, (C02" OS) (Incl. 16) 16 32005 Piston & Pin Assy, (C02" OS) (Incl. 16) 17 34383 Piston & Pin Assy, (C02" OS) 18 3623 Ring Set (C10" OS) 19 3093A Connecting Rod Assy, (Sid.) (Incl. 18, 19 & 20) 20 26264 Ring Set (C04" OS) 21 3939 Piston Pin Piston				
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11 32007C 12 29783 Pin, Crankshaft (ncf. 12, 13, 17, 78 & 79) Pin, Crankshaft (per Gear, Crankshaft 14 34508 Piston, Pin & Ring Set (Std.) (3-5/16 * Bore) Piston, Pin & Ring Set (Ot0" OS) Piston, Pin & Ring Set (O20" OS) Piston & Pin Assy. (O20" OS) Piston & Pin Assy. (O20" OS) (Incl. 16) Piston & Pin Assy. (O20" OS) Piston Pin Retaining Piston Pin	9	31945		Cap, Lower valve spring (Std.)
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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 34383 Connecting Rod Assy.(Std.)(Incl.18, 19, 20) 17 34384 Connecting Rod Assy.(.020" US)(Incl.1 8,19,20) 18 32077 Bolt, Connecting Rod 19 26073 Washer, Connecting rod 10 28264 Nut Assy., Lock 21 32150 Camshaft (MCR) 22 31939 Lifter, Valve 23 32927 Cover, Cylinder (Incl. 4) 23A 31956A * Gasket, Oil fill 25A 29673 * Gasket, Oil fill 26A 33069 Dipstick (Incl. 25A) 28 32426 Spacer, Governor rod 29 650588 Screw, 1/4-20 x 2" 30 31927 Oil Drain Plug 31 31968 Link, Governor 32 650451 Screw, 1/4-20 x 1" 33 <				• , , ,
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21 32150				•
22 31939 Lifter, Valve 23 32927 Cover, Cylinder (Incl. 4) 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 Screw, 1/4-20 x 2" 30 31927 Oil Drain Plug 31 31968 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"				•
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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"				•
34 29193 Ring, Retaining 35 31963 Lever, Governor adjusting 36 650518 Lockwasher 37 650544 Screw, 10-24 x 7/8"				·
35 31963 Lever, Governor adjusting 36 650518 Lockwasher 37 650544 Screw, 10-24 x 7/8"				•
36 650518 Lockwasher 37 650544 Screw, 10-24 x 7/8"				
37 650544 Screw, 10-24 x 7/8"				
·				Lockwasher
38 7975 Nut, 10-24	37	650544		Screw, 10-24 x 7/8"
	38	7975		Nut, 10-24

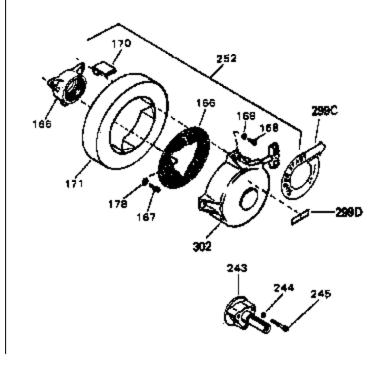
Ref #	Part Number	Qty	Description
39	31965		Plate, Governor spring
40	30312		Screw, 10-32 x 1/2"
41	31967		Spring, Governor
42	30590A		Washer, Flat
	32425		Rod Assy., Governor
	31948		Spool, Governor
	29193		Ring, Retaining
	31947		Gear Assy., Governor
	31930		Shaft, Mechanical Governor
	32000A		* Gasket, Cylinder head
	33034		Head, Cylinder
	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)
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
	410144B		Fuel Cap (White Plastic)(Std.)(As req uired)
	34210		Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
			required)
07	050547		
	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)
	26460		Clamp, Fuel line (Use as required)
	29774		Fuel Line (Braided) (8.25") (Use as r equired)
	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
74	650561		Screw, 1/4-20 x 5/8"
78	31932		Bearing, Tapered roller
79	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
04	24074		·
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 ran

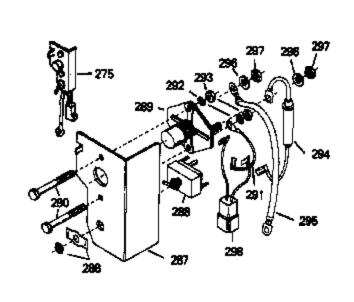
as req

Dof #	Part Number Qtv	/ Description
	31972	* Gasket, Shim (.005/.007 thick) NOTE: Determine the gap
02	31972	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
824	32599	"O" Ring
	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"
	650679	Lockwasher, 5/16" (Use as required)
	650666	Washer, Lock
86	650594	Nut, Flywheel, 3/4-16
87	33044A	Blower Hsg. (Incl.73) (For electric s tarter)
91	8274	Washer, Lock
	650595	Screw, 5/16-24 x 3/8"
	8274	Washer, Lock
	650624	Screw, 5/16-24 x 9/16"
	31958	* Gasket, Breather
	31957	Breather Assy.
	35350	Tube, Breather
	650128	Screw, 10-24 x 1/2"
	28558	Washer, Wave
	31966	Bushing, Control lever
	31984A 650597	Lever, Control
	650591	Screw, 10-24 x 5/8" Screw, 10-24 x 2"
	33099	Spring
	33038	Plug, Button (Use as required)
	29752	Nut & Lockwasher Assy.
	650587	Stud, Carburetor
	27272	* Gasket, Air cleaner
	650399	Screw, 10-32 x 5/8"
	30767	Spacer, Air cleaner
	32380	Bracket, Air cleaner
122E	32377	Bracket, Air cleaner
123	31925	Element, Air cleaner
125A	31926	Cover, Air cleaner
	650513	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)
	8274	Lockwasher, Split (Use as required)
	26073	Washer, Flat (Use as required)
	31960	* Gasket, Carburetor
	31959	Baffle, Air
	33356	Terminal, Ground
	730201	Trigger Pin Kit (Use as required)
	610118 32426	Cover, Spark plug (Use as required)
	32426 8345	Spacer, Screen Washor, 1/4 plain (Use as required)
	27070	Washer, 1/4 plain (Use as required) Washer, Lock 1/4 E.T. (Use as require d)
	650675	Washer, Flat 1/4 (Use as required)
1/0	000010	vvasilei, i lat 1/4 (Use as lequileu)

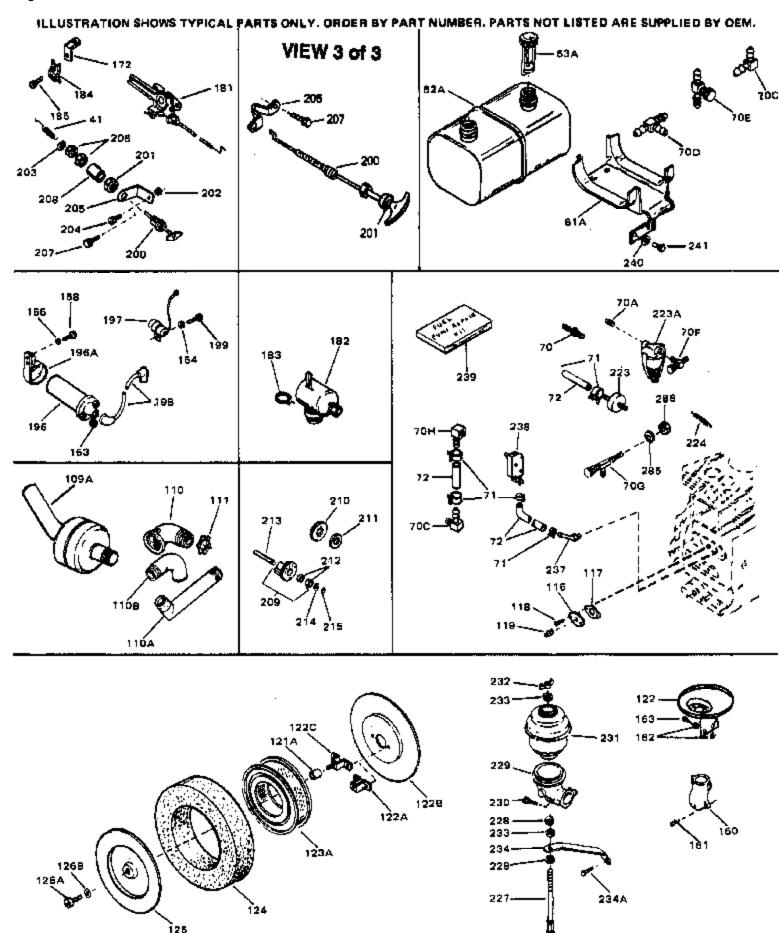
Ref #	Part Number 0	ty Description
184	27793	Clip, Conduit
185	28942	Screw, 10-32 x 3/8"
187	650713	Screw, 5/16-18 x 5/8"
188	26073	Washer, Flat
246	33776	Screen, Starter pulley
248	650670	Screw, 1/4-20 x 3/4"
249	32046	Rope Assy., Starter (Use as required)
264	650661	Screw, 1/4-20 x 3/4"
265	610408	Nut, Hex
266	610750	Grommet, Lead wire
267	610748	Solid State Magneto (Incl.151,173,265,266)
278	610746	Solid State Flywheel
299A	31752	Decal, Air cleaner
299	34346	Decal, Instruction
299B	550223	Decal, Name
299B	32676	Decal, Solid State
300	32411A	Valve, Seat, Spring & Gasket Assy.
301	631304A	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	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	Screw, 10-16 x 3/8" (Use as required) Rewind Starter Kit (Incl. 165, 166, 167, 168, 169 & 291) (Use as required)
	33018 610761	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	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 Qt	y Description
41	31967	Spring, Governor
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)
172	31990	Bracket, Choke control
184	27793	Clip, Conduit
185	28942	Screw, 10-32 x 3/8"
237	32958	Fitting, Fuel
238	32959	Fuel Pump, Impulse
239	33010	Repair Kit, Impulse fuel pump