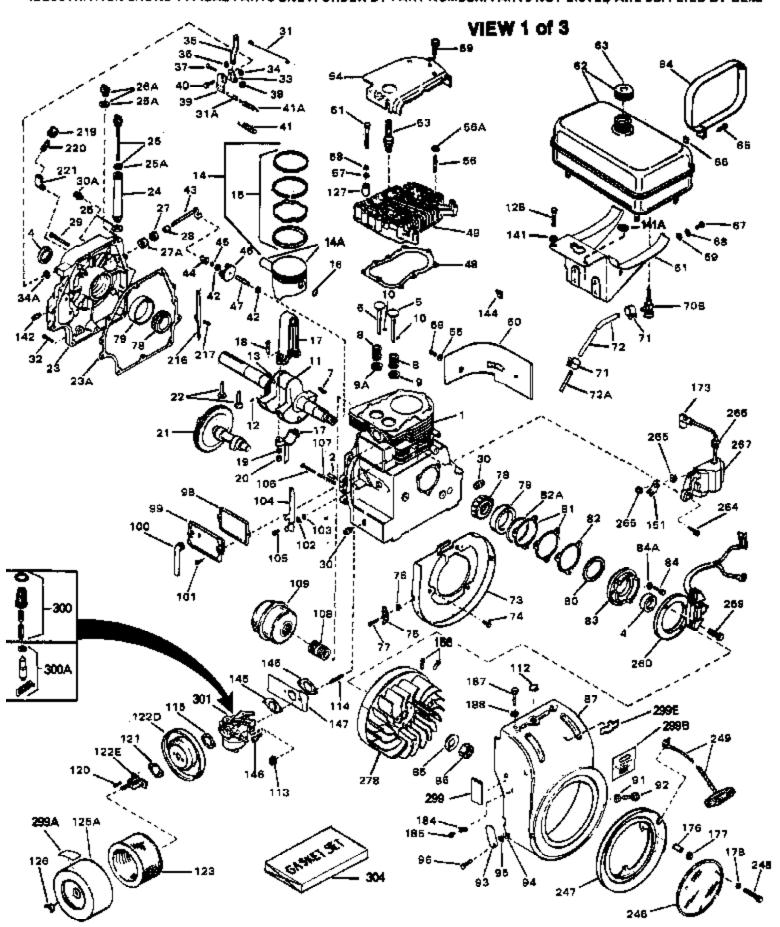
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

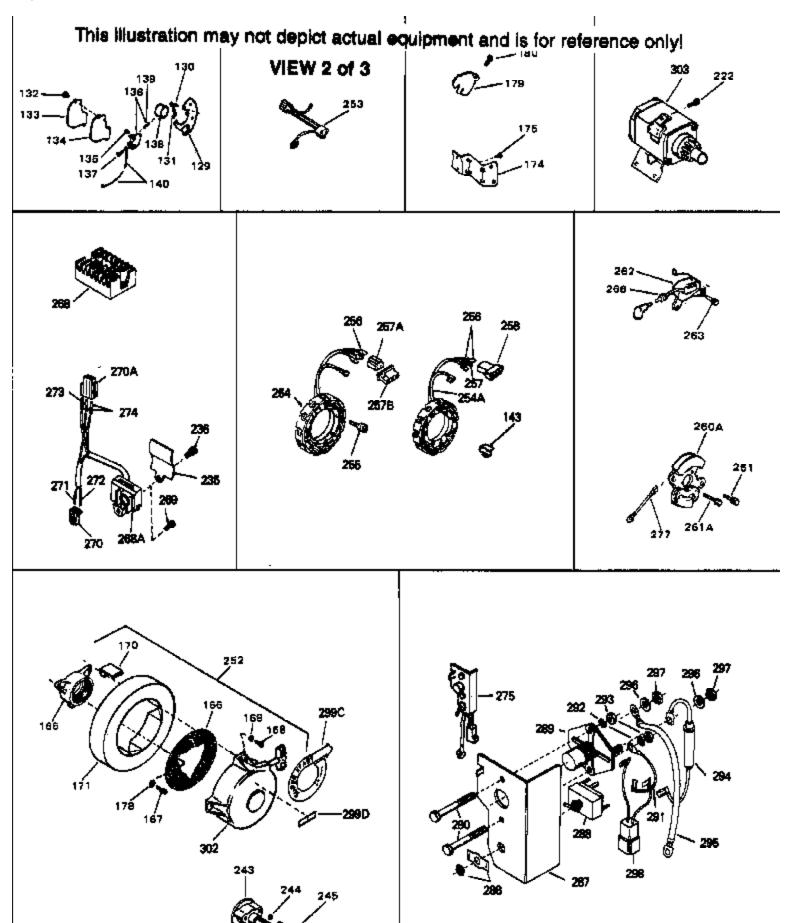


Ref # Part Number 1 33042	Def #	Dowt Ni week ou	Description
2 27652 4 31950 Seal, Oil 5 31940 Intake Valve (Std.) 5 31941 Intake Valve (Std.) 6 31942 Exhaust Valve (Std.) 6 31943 7 650592 8 31944 9 31946 9 31946 Qap. Lower valve spring (1/32° OS) 10 20810 Part Valve valve spring (Std.) 11 32230C Cranichart (Incl. 12, 13, 17, 78 & 79) 12 29783 Part Valve valve spring (Std.) 13 1931 Gear, Cranichart (Incl. 12, 13, 17, 78 & 79) Part Valve spring retainers 14A 32238B Part Valve (1/32° OS) 14A 32238B Part Valve (1/32° OS) 14A 32240B Part Valve (1/32° OS) 14A 3252B Part Valve (1/32° OS) 14A 3252B Part Valve (1/32° OS) 14A 34513 Part Valve (1/32° OS) 14A 34512 Part Valve (1/32° OS) 14A 34513 Part Valve (1/32° OS) 14A 34524 Part Valve (1/32° OS) 15 32241 Part Valve (1/32° OS) 15 32242 Part Valve (1/32° OS) 15 32243 Part Valve (1/32° OS) 15 32243 Part Valve (1/32° OS) 16 32336 Part Valve (1/32° OS) 17 34383 Part Valve (1/32° OS) 18 32366 Part Valve (1/32° OS) Part		•	
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6 31943 Exhaust Valve (1/32" OS) (Incl. 9) 7 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.) 9A 31946 Cap, Lower valve spring (Std.) 9A 31946 Cap, Lower valve spring (Std.) 10 20810 Pin, Valve spring retainer 11 32230C Crankshaft (Incl. 21, 31, 77, 78 & 79) 12 29783 Pin, Crankshaft (part 13 31931 Gar, Crankshaft spat 14A 32238B Piston & Pin Assy, (Std.) (Incl. 16)(3 -1/2") 14A 32239B Piston & Pin Assy, (101" OS) (Incl. 16) 14A 32240B Piston & Pin Assy, (101" OS) (Incl. 16) 14A 32621B Piston & Pin Assy, (102" OS) (Incl. 16) 14A 3622B Piston & Pin Assy, (104" OS) (Incl. 16) 14A 34512 Piston, Pin & Ring Set (Std.) (3-1/2" Bore) 14 34513 Piston, Pin & Ring Set (102" OS) 14 34513 Piston, Pin & Ring Set (100" OS) 14 34524 Piston, Pin & Ring Set (100" OS) 15 32241 Ring Set (200" OS) 16 32241 Ring Set (31" OS) 17 34383 Piston, Pin & Ring Set (040" OS) 18 32242 Ring Set (31" OS) 19 32243 Ring Set (201" OS) 19 32336 Re-Ringing Set (100" OS) 19 3336 Connecting Rod Assy, (104" OS) 18 32077 Bolt, Connecting Rod Assy, (101" US)(Incl. 18, 19, 20) 20 28264 Nut Assy, Lock 21 32150 Carneting Rod Assy, (101" US)(Incl. 18, 19, 20) 21 32939 Lifter, Valve 22 31939 Lifter, Valve 23 32580A Connecting Rod Assy, (101" US)(Incl. 18, 19, 20) 24 32908 Oil Fill Tube 25 26073 Gasket, Cylinder cover 26 30558 Space, Governor rod 27 Gasket, Cylinder (Incl. 4, 28, 30, 34, & 43) 26 Gasket, Cylinder (Incl. 4, 20, x" Crankshaft (MCR) 27 Lifter, Valve 28 31998 Lifter, Valve 28 319986 Screw, 1/4-20 x 2" 29 Gasket, Oli fill Tube 20 Link, Governor rod 20 Carneting Rod Assy, Compresioned Link, Governor rod 20 Carneting Rod Assy, Compresioned Link, Governor Rod 21 31998 Link, Governor Rod 22 Gasket, Oli fill Tube 25 Space, Governor rod 26 Gasket, Oli fill Tube 26 Space, Governor rod 27 Gasket, Oli fill Tube 28 Space, Governor rod 29 Gasket, Oli fill Tube 29 Link, Governor red 29 Gostal Link, Governor red			, , , ,
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11 32293C	9A	31946	Cap, Lower valve spring (1/32" OS)
12 29783 13 31931 Gear, Crankshaft gear 14 32238B Piston & Pin Assy. (Std.)(Incl.16)(3 -1/2") Piston & Pin Assy. (O10" OS) (Incl. 16) Piston & Pin Assy. (.00" OS) (Incl. 16) Piston, Pin & Ring Set (.010" OS) Piston, Pin & Ring Set (.040" OS) Piston, Pin & Ring Set (.010" OS) Piston, Pin & Ring Set (.040" OS) Piston, Pin & Ri	10	20810	Pin, Valve spring retainer
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14A 32238B	12	29783	Pin, Crankshaft gear
14A 3229B	13	31931	Gear, Crankshaft
14A 3229B	14A	32238B	Piston & Pin Ass'y. (Std.)(Incl.16)(3 -1/2")
14A 32240B			
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14A 32622B Piston & Pin Assý, (.040" OS) (Incl. 16) 14 34511 Piston, Pin & Ring Set (Std.) (3-1/2" Bore) 14 34512 Piston, Pin & Ring Set (10" OS) 14 34513 Piston, Pin & Ring Set (.020" OS) 14 34524 Piston, Pin & Ring Set (.020" OS) 14 34524 Piston, Pin & Ring Set (.030" OS) 15 32241 Ring Set (Std.) (3-1/2" Bore) 15 32242 Ring Set (.010" OS) 15 32242 Ring Set (.010" OS) 15 32625 Ring Set (.030" OS) 16 32626 Ring Set (.040" OS) 17 32366 Re-Ringing Set, Piston 18 31919 Ring, Piston pin retaining 17 33093A Connecting Rod Assy.(.010" US)(Incl.1 8, 19 & 20) 17 34383 Connecting Rod Assy.(.010" US)(Incl.1 8, 19,20) 18 32077 Bolt, 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 32580A Cover, Cylinder cover 23 32580A Cover, Cylinder cover 24 32908 Oil Fill Tube 25 29673 * Gasket, Oil fill tube 26 30055 Dipstick (Incl. 25A) 27 Socrew, 1/4-20 x 2" 28 31 31988 Link, Governor lever			
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32 650451 Screw, 1/4-20 x 1" 33 31964 Clamp, Governor lever			·
33 31964 Clamp, Governor lever			·
· ·			·
34 29193 Ring, Retaining			•
9.			Ring, Retaining
35 31963 Lever, Governor adjusting			· · · · · · · · · · · · · · · · · · ·
36 650518 Lockwasher			
37 650544 Screw, 10-24 x 7/8"			·
38 7975 Nut, 10-24	38	7975	Nut, 10-24

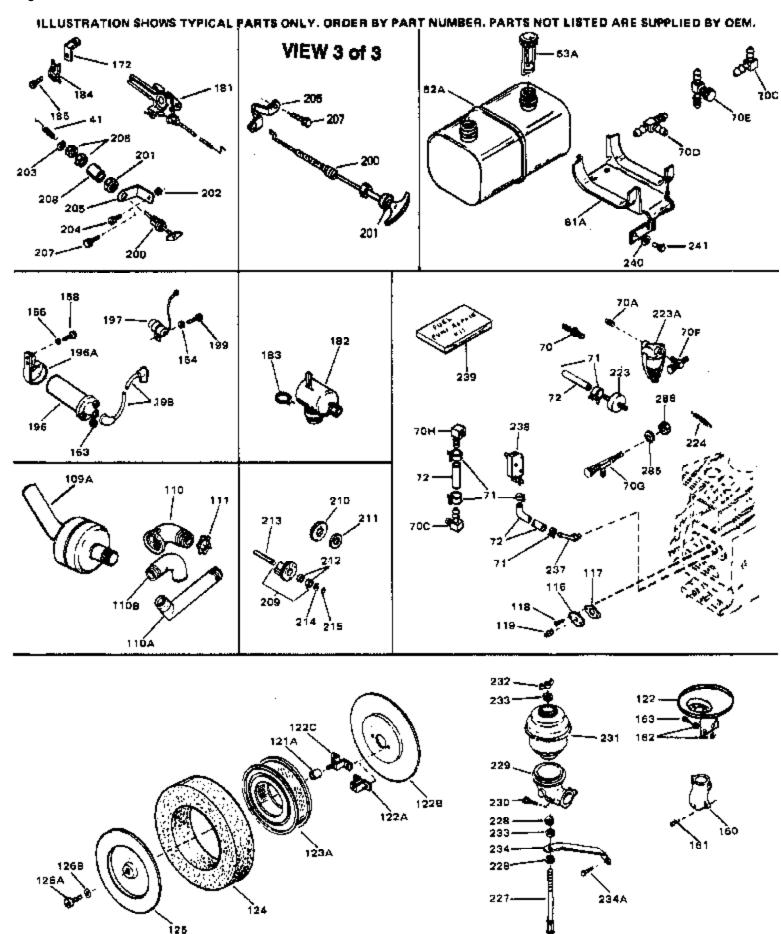
Ref #	Part Number Qty	Description
	31965	Plate, Governor spring
	30312	Screw, 10-32 x 1/2"
	31967	Spring, Governor
	30590A	Washer, Flat
	32425	Rod Assy., Governor
	31948	Spool, Governor
	29193	Ring, Retaining
	31947	Gear Assy., Governor
	31930	Shaft, Mechanical Governor
	32246A	* Gasket, Cylinder head
	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)
51	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	Washer, Plain
	650691	Washer, Flat (Use as required)
	650690	Washer, Belleville (Use as required)
	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)
	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)
	31975	Baffle, Blower housing
	650561	Screw, 1/4-20 x 5/8"
75	33356	Terminal
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
		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
81	31971	<u> </u>	* 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
84A 85 86 87 91 92 95 96 98 99 100 101 102 103 104 105 106 107 112 113 114 115 120 121 126 128 128 128 141A 141 145 147	26073 31960 31959		Screw, 10-32 x 1" Lockwasher, 5/16" (Use as required) Washer, Lock Nut, Flywheel, 3/4-16 Blower Housing Washer, Lock Screw, 5/16-24 x 3/8" Washer, Lock 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 Plug, Button (Use as required) Nut & Lockwasher Assy. Stud, Carburetor * Gasket, Air cleaner Screw, 10-32 x 5/8" Spacer, Air cleaner Nut, Wing Screw, 5/16-18 x 5/8" (Use as require d) Screw, 5/16-18 x 7/8" (Use as required) Vasher, Flat (Use as required) Washer, Flat (Use as required) * Gasket, Carburetor Baffle, Air
173 176	730201 610118 31992 8345		Trigger Pin Kit (Use as required) Cover, Spark plug (Use as required) Spacer, Screen 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)
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
219	32154	Cap, Pipe
220	32438	Nipple, Pipe
246	33776	Screen, Starter pulley
247	31980	Pulley, Starter
	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
299	34346	Decal, Instruction
299B	32730	Decal, Craftsman
300	32411A	Valve, Seat, Spring & Gasket Assy.
301	631498	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
174	31755		Bracket, Guard
175	28942		Screw, 10-32 x 3/8"
178	27070		Washer, Lock 1/4 E.T. (Use as require d)
178	650675		Washer, Flat 1/4 (Use as required)
	650701		Screw, 8-18 x 7/16" (Use as required)
	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)
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"
	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
70G	32961		Valve, Fuel shut-off
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)
121A	29774		Spacer, Air cleaner
122B	32905		Bracket, Air cleaner
122C	32907B		Bracket, Air cleaner
123A	32008		Element, Air cleaner
124	32906		Element, Pre-Air cleaner
125	32904		Cover, Pre-air cleaner
172	31990		Bracket, Choke control
184	27793		Clip, Conduit
185	28942		Screw, 10-32 x 3/8"
223	34279A		Filter Assy., Fuel
237	32958		Fitting, Fuel
238	32959		Fuel Pump, Impulse
239	33010		Repair Kit, Impulse fuel pump
285	32960		Washer, Lock
286	650849		Nut, Hex jam, 3/8-24