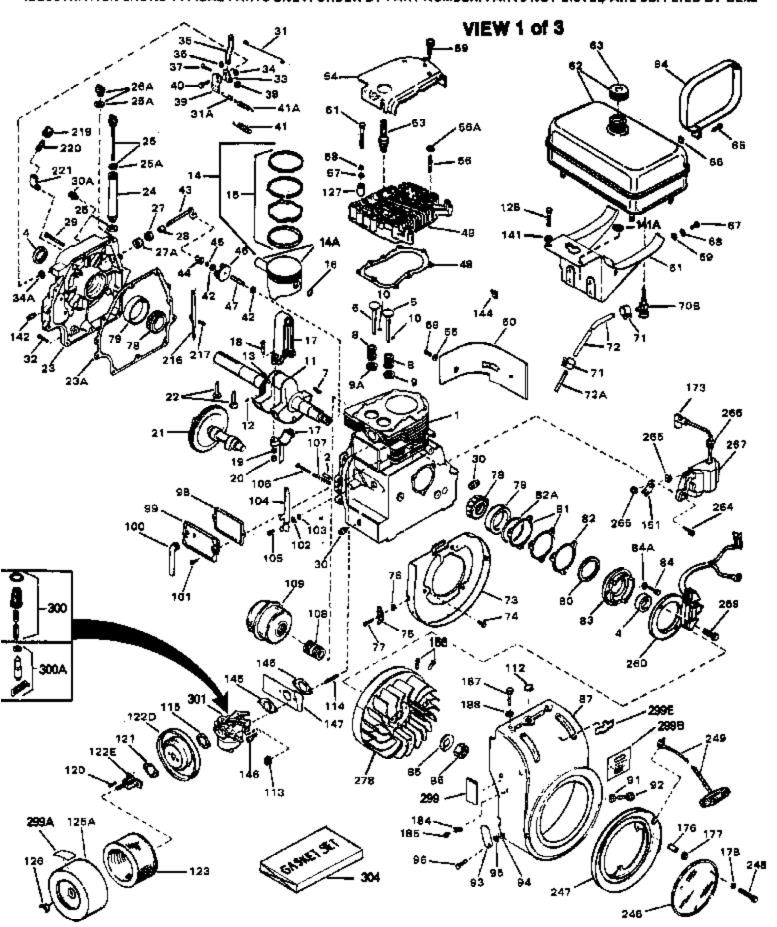
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

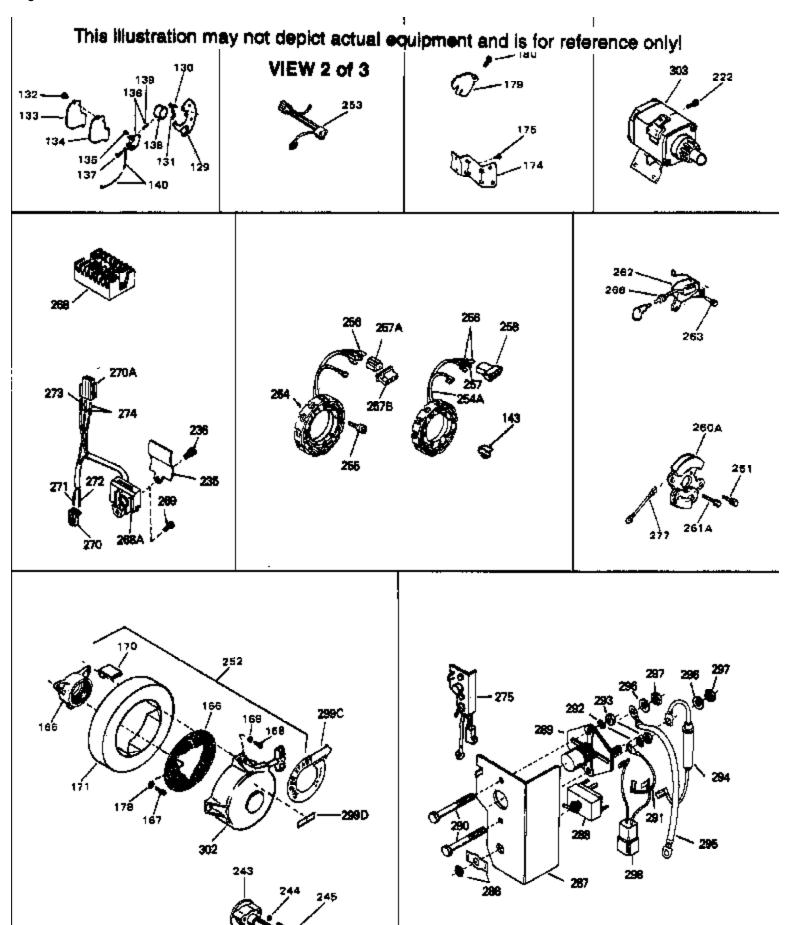


Ref # Part Number	D.C.	Det Northern	Designation
2 27662 4 31950 5 31940 1 stake Valve (Std.) 1 stake Valve (Std.) 1 stake Valve (Std.) 5 31941 6 31942 6 31943 7 650592 8 31944 9 31946 9 31946 9 31946 Cap. Lower valve spring (1/32" OS) 9 31945 Qap. Lower valve spring (Std.) 9 31945 Qap. Lower valve spring (Std.) 9 31946 Qap. Lower valve spring (Std.) 9 28783 10 2810 11 33362A Crankshaft (Ind. 12, 13, 78 & 79) Pin. Crankshaft gear 12 29783 Pin. Crankshaft gear Piston. Pin & Rring Set (Otto" OS) 14 34509 Piston. Pin & Rring Set (Otto" OS) 14 34509 Piston. Pin & Rring Set (Otto" OS) 14 34523 Piston. Pin & Rring Set (Otto" OS) 14 34523 Piston. Pin & Rring Set (Otto" OS) 14 34523 Piston. Pin & Rring Set (Otto" OS) 14 34523 Piston. Pin & Rring Set (Otto" OS) 14 34523 Piston. Pin & Rring Set (Otto" OS) 14 34523 Piston. Pin & Rring Set (Otto" OS) 14 34523 Piston. Pin & Rring Set (Otto" OS) 14 34523 Piston. Pin & Rring Set (Otto" OS) 14 34523 Piston. Pin & Rring Set (Otto" OS) 14 34523 Piston. Pin & Rring Set (Otto" OS) 15 30002 Piston & Pin Assyv. (Otto" OS) (Incl. 16) Piston & Pin Assyv. (Otto" OS) (Incl. 16) 15 30004 Ring Set (Std.) (3-5/16" Bore) 17 30393 Piston & Pin Assyv. (Otto" OS) 18 30204 Ring Set (Otto" OS) 19 30204 Ring Set (Otto" OS) Ring Set (Otto" OS) Ring Set (Otto" OS) 10 30204 Ring Set (Otto" OS) Ring Set (Otto" OS			
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14 34523 Piston, Pin & Ring Set (.040" OS) 14 32620B Piston & Pin Assy. (.040" OS) (Incl. 16) 14A 32001C Piston & Pin Assy. (.010" OS) (Incl. 16) 14A 32003B Piston & Pin Assy. (.010" OS) (Incl. 16) 14A 3203B Piston & Pin Assy. (.010" OS) (Incl. 16) 14A 32619B Piston & Pin Assy. (.020" OS) (Incl. 16) 15 32004 Ring Set (Std.) (.9-5/16" Bore) 15 32005 Ring Set (.010" OS) 15 32006 Ring Set (.010" OS) 15 32623 Ring Set (.020" OS) 15 32624 Ring Set (.030" OS) 15 32624 Ring Set (.040" OS) 16 31919 Ring. Piston pin retaining 17 33033A Connecting Rod Assy. (.010" US) (Incl. 18, 19, 20) 17 34383 Connecting Rod Assy. (.010" US) (Incl. 18, 19, 20) 17 34384 Connecting Rod Assy. (.020" US) (Incl. 1 8, 19, 20) 18 32077 Bolt, Connecting Rod Assy. (.020" US) (Incl. 1 8, 19, 20) 20 28264 Nut Assy. Lock 21 32150 Canneting rod Washer, Connecting rod 22 31939 Lifter, Valve 23 32685 Cylinder cover 24 32685 Cylinder cover 25 32686 Sacey. (.016 16) 26 33069 Dijstick (Incl. 25A) 27 Sacey. (.020" S) 28 32426 Spacer, Governor rod 29 650588 Screw, 1/4-20 x 2" 01 Drain Plug 11 31 31968 32 650451 Screw, 1/4-20 x 1" 33 31964 Clamp, Governor lever Ring, Ret Retaining Lever, Governor adjusting Lockwasher			
14 32620B Piston & Pin Ass'y. (O.40" OS) (Incl. 16) 14A 32000ZB Piston & Pin Ass'y. (O.10" OS) (Incl. 16) 14A 32003B Piston & Pin Ass'y. (O.20" OS) (Incl. 16) 14A 32619B Piston & Pin Assy. (O.30" OS) (Incl. 16) 15 32004 Ring Set (Std.) (3-516" Bore) 15 32005 Ring Set (Std.) (3-516" Bore) 15 32006 Ring Set (O.20" OS) 15 32623 Ring Set (O.30" OS) 15 32624 Ring Set (O.40" OS) 15 32321 Re-Ringing Set, Piston 16 31919 Ring, Piston pin retaining 17 34383 Connecting Rod Assy.(O10" US)(Incl.18, 19 & 20) 17 34383 Connecting Rod Assy.(O10" US)(Incl.18, 19, 20) 18 32077 Bolt, Connecting Rod Assy.(O20" US)(Incl.18, 19, 20) 19 26073 Washer, Connecting rod 10 28264 Nut Assy., Lock 21 31939 Lifter, Valve 23 32685 Cylinder Cover (Incl.4, 25, 26A, 28, 30, 3 4 & 43) 25A 29673 "Gasket, Cylinder Cover 25A <td></td> <td></td> <td></td>			
14A 32001C Piston & Pin Ass'y. (Std.)(Incl. 16)(3 - 5/16") 14A 32003B Piston & Pin Assy. (.010" OS) (Incl. 16) 14A 3201B Piston & Pin Assy. (.020" OS) (Incl. 16) 15 32004 Ring Set (Std.) (3-5/16" Bore) 15 32005 Ring Set (Std.) (3-5/16" Bore) 15 32006 Ring Set (.010" OS) 15 32623 Ring Set (.030" OS) 15 32624 Ring Set (.040" OS) 15 32521 Re-Ringing Set, Piston 16 31919 Ring, Set piston pin retaining 17 33093A Connecting Rod Assy.(Std.)(Incl.18, 19 & 20) 17 34383 Connecting Rod Assy.(Job" US)(Incl.1 8, 19,20) 18 32077 Bolt, Connecting Rod Assy.(Job" US)(Incl.1 8, 19,20) 18 32077 Bolt, Connecting rod 19 26073 Washer, Connecting rod 21 32150 Camshaft (MCR) 21 32150 Camshaft (MCR) 22 31939 Lifter, Valve 23 2685 Cylinder Cover (Incl.4.25,26A,28,30,3 4 & 43) 26a 33069 <t< td=""><td></td><td></td><td></td></t<>			
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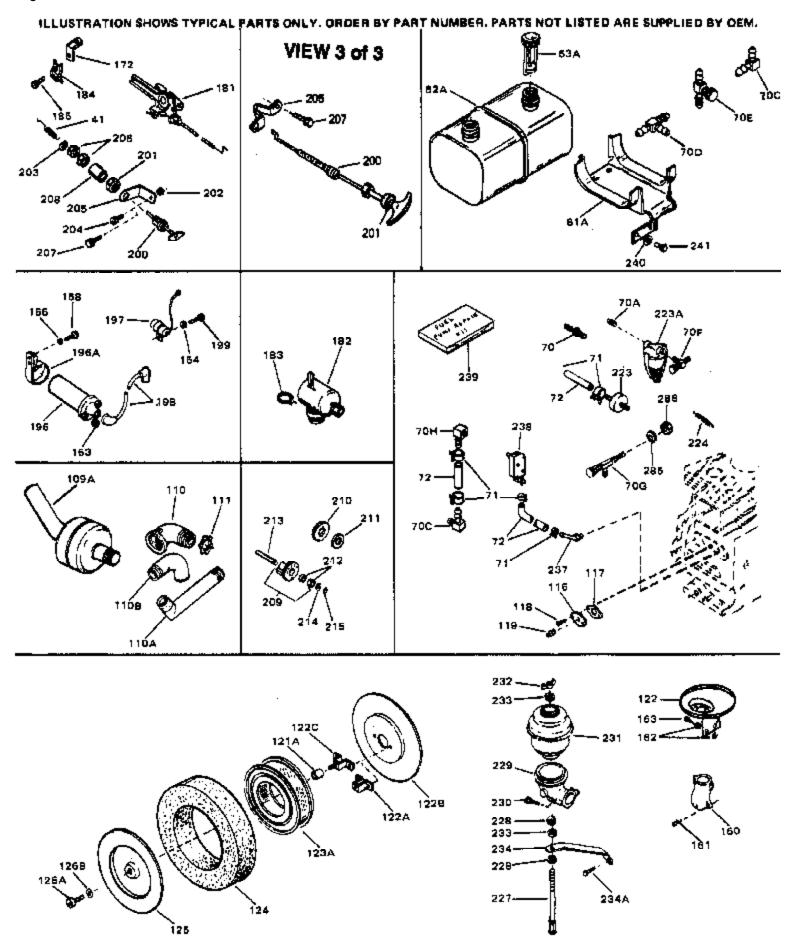
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	Part Number	Qty	Description Plate Common and in a
	31965		Plate, Governor spring
	30312		Screw, 10-32 x 1/2"
	31967		Spring, Governor
	30590A		Washer, Flat
43	32425		Rod Assy., Governor
44	31948		Spool, Governor
45	29193		Ring, Retaining
46	31947		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)
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
	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)
	29683		Strainer & Shut-off, Fuel
	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)
	30965		Fuel Line (Braided) (48") (Use as req uired)
	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
79	31928		Cup, Bearing

Ref #	Part Number	Qty Description
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
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
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 32677	"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
84 85 86 87 91 92 93 94 95 96 98 99 100 101 102 103 104 105 106 107 108 109 112 113 114 115 120 121	650679 650668 650594 33037 8274 650595 32039 650890 26073 650624 31958 31957 35350 650128 28558 31966 31984A 650597 650591 33099 32042 34238 33038 29752 650587 27272 650399 30767 32377 32380	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 5/8" Screw, 10-24 x 2" Spring Nipple, Exhaust pipe 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 Bracket, Air cleaner

Ref #	Part Number	Qty	Description
123	31925		Element, Air cleaner
125A	31926		Cover, Air cleaner
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)
141	26073		Washer, Flat (Use as required)
141A	8274		Lockwasher, Split (Use as required)
145	31960		* Gasket, Carburetor
147	32478		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)
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
299A	31752		Decal, Air cleaner
299B	550223		Decal, Name
299B	34768		Decal, Name
299B	32676		Decal, Solid State
299	34346		Decal, Instruction
	32255A		Valve, Seat, Spring & Gasket Assy.
301	631328A		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
275	730198		Starter Switch Kit(Incl. 287-298) (As req.)
277	30831		Ground Wire (Incl. 75)



Ref #	Part Number Qt	/ 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)
119	28534	Pipe Plug, 1/8-27 (Use as required)
119	9556	Plug, Pipe, 1/8-27 (Use as required)