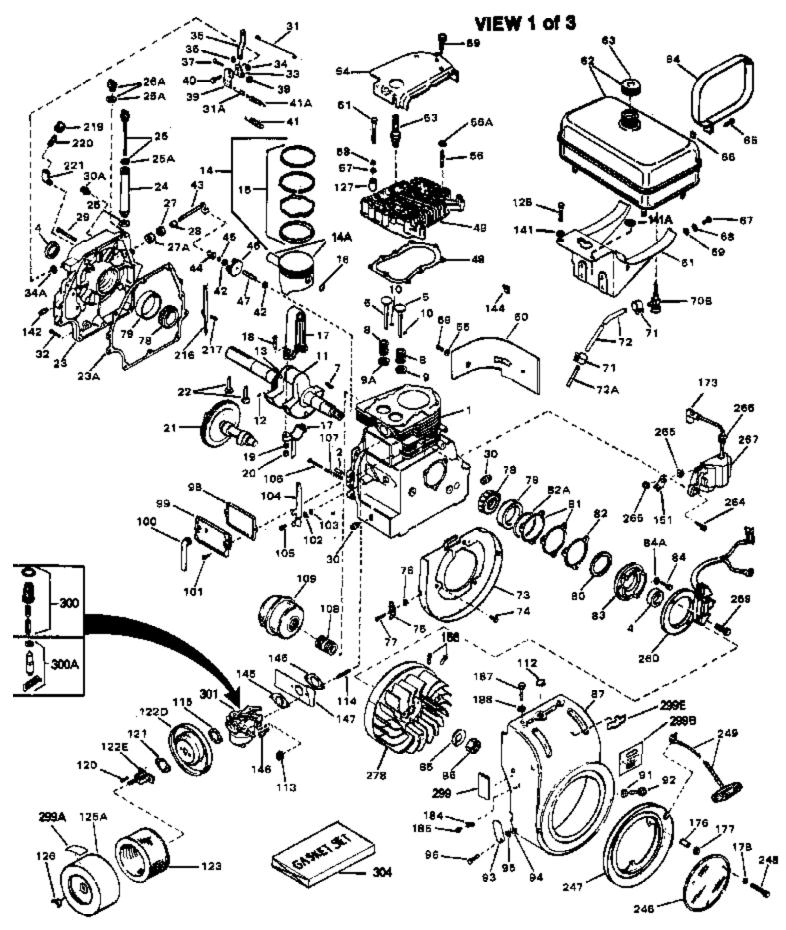
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

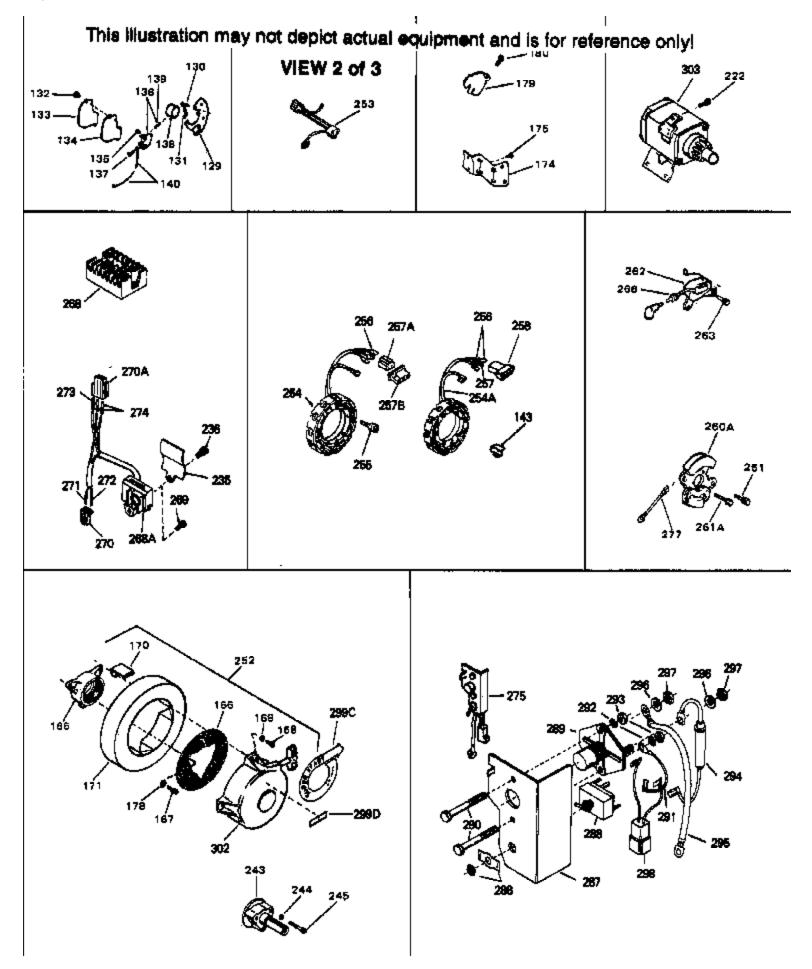


Ref # Part Number	Qty Description
1 33042	Cylinder (Incl. 2, 4, 30 & 47) (3-1/2 " Bore)
2 27652	Pin, Dowel
4 31950	Seal, Oil
5 31940	Intake Valve (Std.)
5 31941	Intake Valve (1/32" OS) (Incl. 9)
6 31942	Exhaust Valve (Std.)
6 31943	Exhaust Valve (1/32" OS) (Incl. 9)
7 650592	Key, Flywheel
8 31944	Spring, Valve
9 31946	Cap, Lower valve spring (1/32" OS)
9 31945	Cap, Lower valve spring (Std.)
9A 32475	Cap, Lower valve spring (Rotator)
10 20810	Pin, Valve spring retainer
11 32358B	Crankshaft (Incl. 12, 13, 17, 78 & 79)
12 29783	Pin, Crankshaft gear
13 31931	Gear, Crankshaft
14A 32238B	Piston & Pin Ass'y. (Std.)(Incl.16)(3 -1/2")
14A 32239B	Piston & Pin Ass'y. (.010" OS) (Incl. 16)
14A 32240B	Piston & Pin Ass'y. (.020" OS) (Incl. 16)
14A 32621B	Piston & Pin Ass'y. (.030" OS) (Incl. 16)
14A 32622B	Piston & Pin Ass'y. (.040" OS) (Incl. 16)
14 34511	Piston, Pin & Ring Set (Std.) (3-1/2" Bore)
14 34512	Piston, Pin & Ring Set (.010" OS)
14 34513	Piston, Pin & Ring Set (.020" OS)
14 34524	Piston, Pin & Ring Set (.030" OS)
14 34525	Piston, Pin & Ring Set (.040" OS)
15 32241	Ring Set (Std.) (3-1/2" Bore)
15 32242	Ring Set (.010" OS)
15 32243	Ring Set (.020" OS)
15 32625 15 32626	Ring Set (.030" OS) Ring Set (.040" OS)
15 32326	Ring Set (.040" OS)
16 31919	Re-Ringing Set, Piston Ring, Piston pin retaining
17 33093A	Connecting Rod Ass'y.(Std.)(Incl.18, 19 & 20)
17 34383	Connecting Rod Assy.(.010" US)(Incl.18, 19 & 20) Connecting Rod Assy.(.010" US)(Incl.1 8,19,20)
17 34383	
18 32077	Connecting Rod Assy.(.020" US)(Incl.1 8,19,20) Bolt, Connecting rod
19 26073	Washer, Connecting rod
20 28264	Nut Assy., Lock
20 20204	Camshaft (MCR)
22 31939	Lifter, Valve
222 31333 23A 31956A	* Gasket, Cylinder cover
23 32685	Cylinder Cover (Incl.4,25,26A,28,30,3 4 & 43)
23 32083	Oil Fill Tube
25 29673	* Gasket, Oil fill tube
25A 29673	* Gasket, Oil fill
26 33070	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, $10-24 \times 7/8$ "
37 650544	Nut, 10-24
50 1915	inut, i∪- ∠-i

		/ 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
	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 required)
	650628A	Screw, 5/16-18 x 2-3/8" (Use as required)
	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)
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)
	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 required)
	8345	Washer, Flat
	8303	Lockwasher
	29683	Strainer & Shut-off, Fuel
	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)
73	32579	Baffle, Blower housing
	650561	Screw, 1/4-20 x 5/8"
	33356	Terminal
	28545	Grommet, Plastic
		Screw, 8-32 x 3/8"
	000/00	
77	650760 31932	
77 78	31932 31928	Bearing, Tapered roller Cup, Bearing

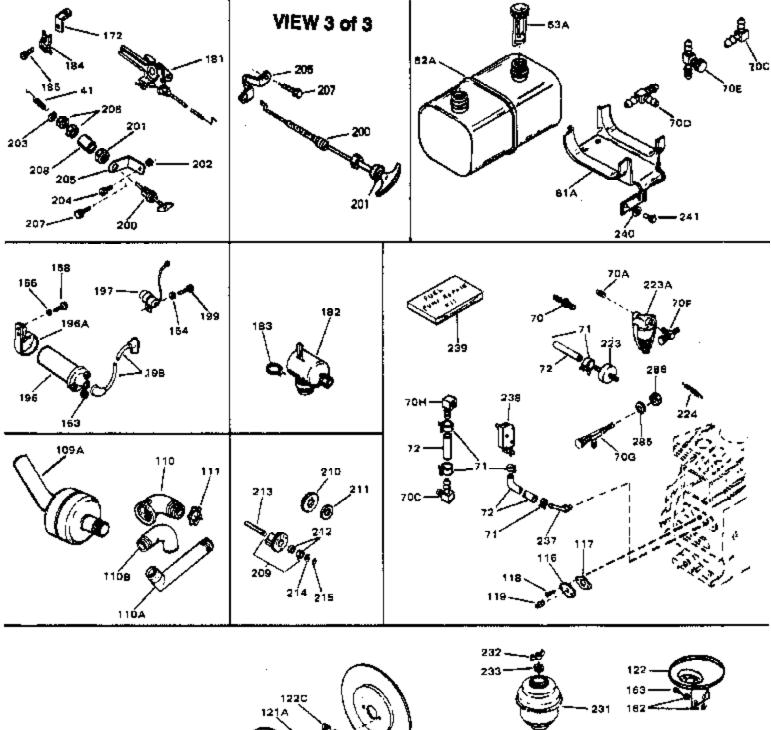
2031 1971	Spacer, Steel (.010" thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as required * Gasket, Shim (.004/.005 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder
1971	
	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
2599 1972	"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
2677	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
50679 50668 50594 3044A 274 50595 2039 50890 5073 50624 1958 1957 5350 50128 3558 1966 1984A 50597 50591 3099 3038 9752 50587 7272 50587 7272 50399 0767 2377	Lockwasher, 5/16" (Use as required) Screw, 10-32 x 1" Washer, Lock Nut, Flywheel, 3/4-16 Blower Hsg. (Incl.73) (For electric s tarter) 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 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
	972 977 9679 9668 9666 9594 944A 74 9595 939 9890 973 9624 958 957 950 9128 958 966 984A 9597 9591 999 938 752 9587 272 9399 767 877

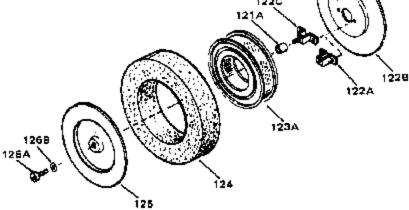
Ref #	Part Number Qty	Description
128	650713	Screw, 5/16-18 x 5/8" (Use as require d)
128	650429	Screw, 5/16-18 x 3/4" (Use as require d)
128	792028	Screw, 5/16-18 x 7/8" (Use as require d)
141	26073	Washer, Flat (Use as required)
141A	8274	Lockwasher, Split (Use as required)
145	31960	* Gasket, Carburetor
147	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)
	650675	Washer, Flat 1/4 (Use as required)
	650713	Screw, 5/16-18 x 5/8"
188	26073	Washer, Flat
	33776	Screen, Starter pulley
	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	610773	Solid State Flywheel
299B	550223	Decal, Name
	34768	Decal, Name
	32676	Decal, Solid State
299A	31752	Decal, Air cleaner
299	34346	Decal, Instruction
	32255A	Valve, Seat, Spring & Gasket Assy.
301	631533	Carburetor (Incl. 145) (Refer to Division 5, Section A, page 94 for breakdown)
304	33237A	* Gasket Set (Incl. items marked *)

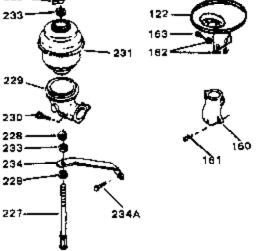


Ref #	Part Number	Qty	Description
178	27070		Washer, Lock 1/4 E.T. (Use as require d)
178	650675		Washer, Flat 1/4 (Use as required)
180	650701		Screw, 8-18 x 7/16" (Use as required)
222	792028		Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor)
222	650781		Screw,5/16-18 x 11/16"(Use w/33835 st r.motor)
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.)
	30831		Ground Wire (Incl. 75)
303	33835		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.

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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)
111	650590		Nut, Conduit
119	28534		Pipe Plug, 1/8-27 (Use as required)
119	9556		Plug, Pipe, 1/8-27 (Use as required)