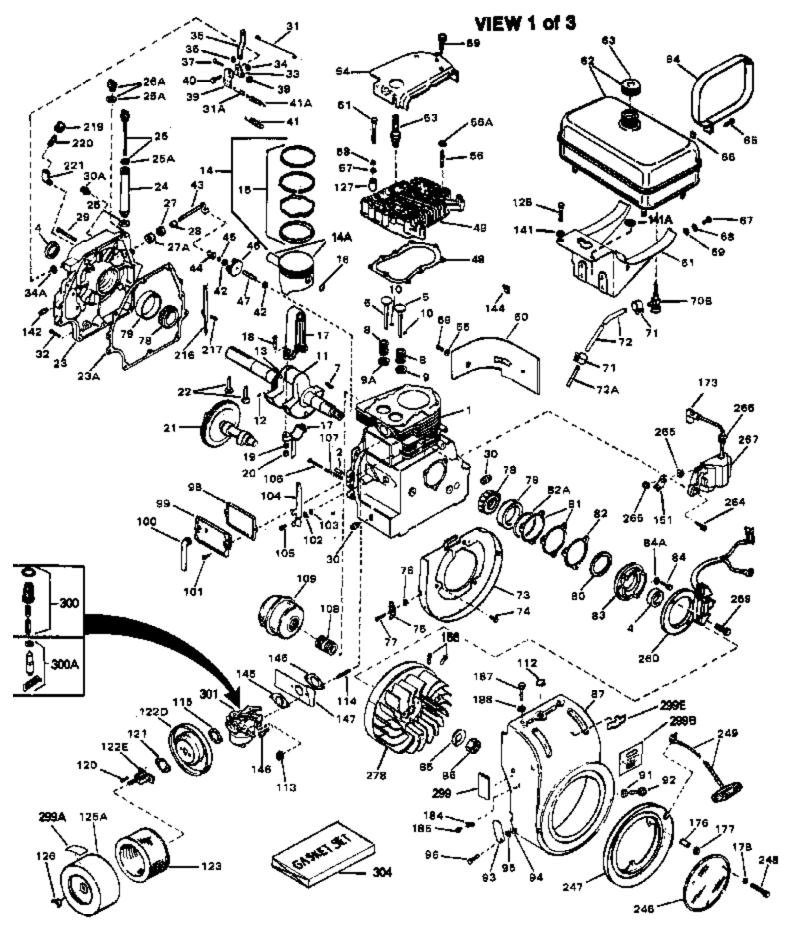
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

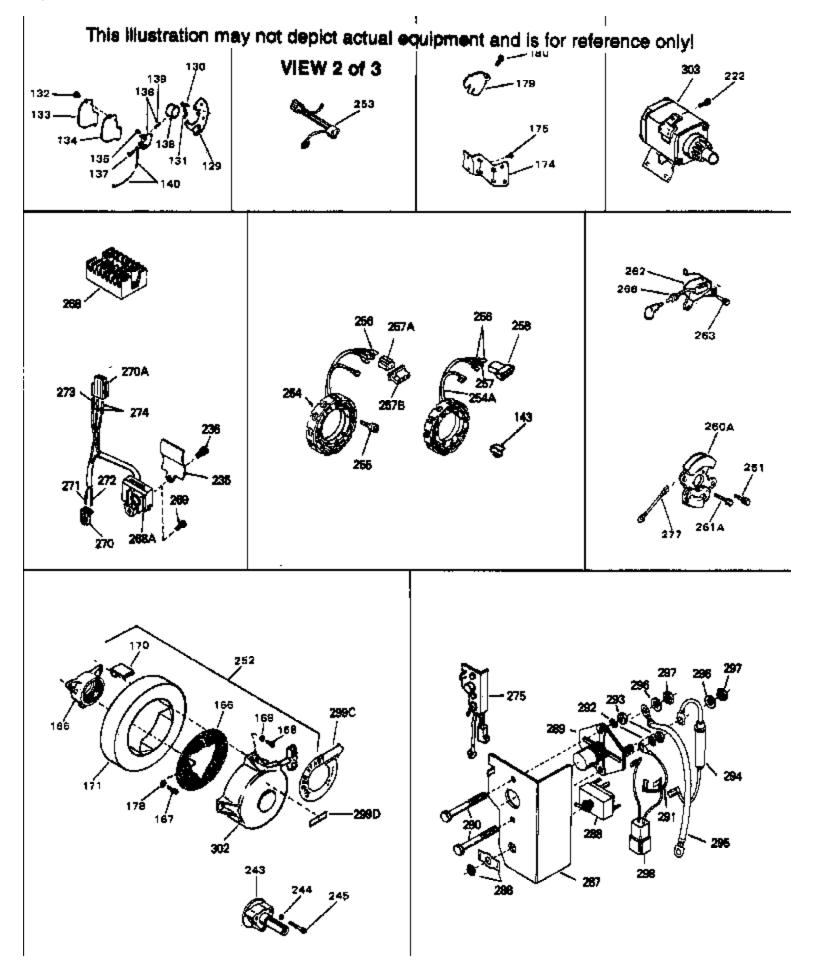


Ref #	Part Number Qty	Description
1	33042	Cylinder (Incl. 2, 4, 30 & 47) (3-1/2 " Bore)
2	27652	Pin, Dowel
4	31950	Seal, Oil
5	31940	Intake Valve (Std.)
5	31941	Intake Valve (1/32" OS) (Incl. 9)
6	31942	Exhaust Valve (Std.)
	31943	Exhaust Valve (1/32" OS) (Incl. 9)
	650592	Key, Flywheel
	31944	Spring, Valve
	31945	Cap, Lower valve spring (Std.)
	31946	Cap, Lower valve spring (1/32" OS)
	31946	Cap, Lower valve spring (1/32" OS)
	31945	Cap, Lower valve spring (Std.)
	20810	Pin, Valve spring retainer
	33390B	Crankshaft (Incl. 12, 13, 78 & 79)
	29783	Pin, Crankshaft gear
	31931	Gear, Crankshaft
	34511	Piston, Pin & Ring Set (Std.) (3-1/2" Bore)
	34512	Piston, Pin & Ring Set (.010" OS)
	34513	Piston, Pin & Ring Set (.020" OS)
	34524	Piston, Pin & Ring Set (.030" OS)
	34525	Piston, Pin & Ring Set (.040" OS)
	32238B	Piston & Pin Ass'y. (Std.)(Incl.16)(3 -1/2")
	32239B	Piston & Pin Ass'y. (.010" OS) (Incl. 16)
	32240B	Piston & Pin Ass'y. (.020" OS) (Incl. 16)
	32621B	Piston & Pin Ass'y. (.030" OS) (Incl. 16)
	32622B	Piston & Pin Ass'y. (.040" OS) (Incl. 16)
	32241	Ring Set (Std.) (3-1/2" Bore)
	32242	Ring Set (.010" OS)
	32243	Ring Set (.020" OS)
	32625	Ring Set (.030" OS)
	32626	Ring Set (.040" OS)
	32336	Re-Ringing Set, Piston
	31919	Ring, Piston pin retaining
	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)
	32077	Bolt, Connecting rod
	26073	Washer, Connecting rod
	28264	Nut Assy., Lock
	32150	Camshaft (MCR)
22	31939	Lifter, Valve
23	32927	Cover, Cylinder (Incl. 4)
	31956A	* Gasket, Cylinder cover
25A	29673	* Gasket, Oil fill
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
	650518	Lockwasher
	650544	Screw, 10-24 x 7/8"
38	7975	Nut, 10-24
39	31965	Plate, Governor spring

		Description
	30312	Screw, 10-32 x 1/2"
	31967	Spring, Governor
	30590A	Washer, Flat
	32425	Rod Assy., Governor
	31948	Spool, Governor
45	29193	Ring, Retaining
46	31947	Gear Assy., Governor
47	31930	Shaft, Mechanical Governor
	32246A	* Gasket, Cylinder head
49	33034	Head, Cylinder
51	650694A	Screw, 5/16-18 x 2" (Use as required)
51	650711	Screw, 5/16-18 x 1-5/8" (Use as requi red)
51	650628A	Screw, 5/16-18 x 2-3/8" (Use as requi red)
51	650695A	Screw, 5/16-18 x 2-1/4" (Use as requi red)
51	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 required)
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
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
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, $1/4-20 \times 5/8"$ (Use as required)
	30063	Screw, $1/4-20 \times 1/2$ " (Use as required)
	792028	Screw, $5/16-18 \times 7/8$ " (Use as required)
	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
	650561	Screw, 1/4-20 x 5/8"
	31932	Bearing, Tapered roller
	31928	Cup, Bearing
	32031	Spacer, Steel (.010" thick) NOTE: Determine the gap
00	02001	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

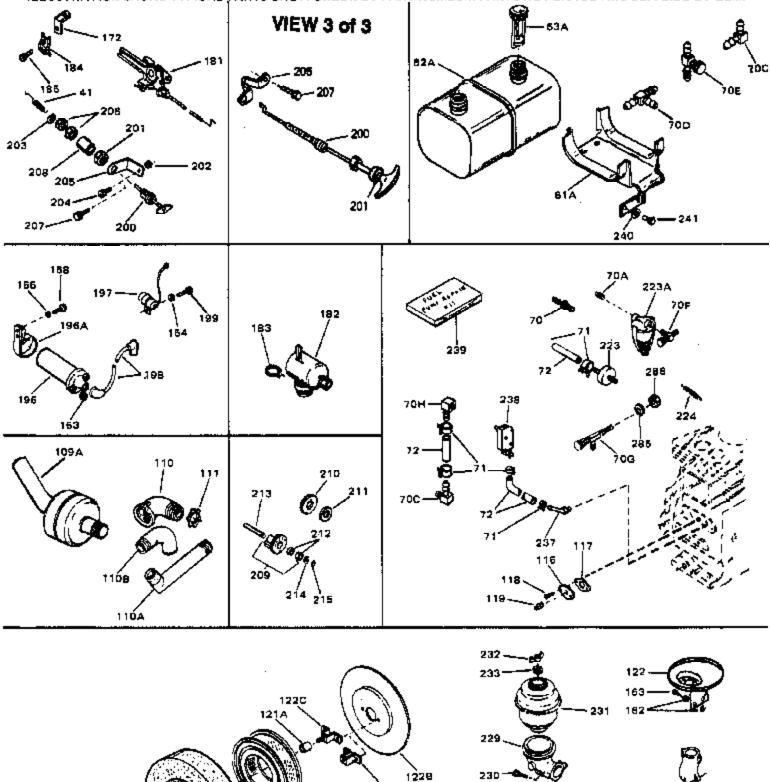
		ty Description
82	31972	* Gasket, Shim (.005/.007 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as req
	32599 32577	"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 95 96 98 99 100 101 102 103 104 105 106 107 112 103 104 105 106 107 112 113 114 115 120 121 122D 122E 125A 126 128 128 128 128 128 128 128 128 128 128	26073 31960 31959 33356 730201 610118	Lockwasher, 5/16" (Use as required) Screw, 5/16-18 x 7/8" Washer, Lock Nut, Flywheel, 3/4-16 Blower Hsg. (Incl.73) (For electric s tarter) 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 5/8" Screw, 10-24 x 2" Spring Plug, Button (Use as required) Nut & Lockwasher Assy. Stud, Carburetor * Gasket, Air cleaner Bracket, Air cleaner Bracket, Air cleaner Bracket, Air cleaner Mut, Wing Screw, 5/16-18 x 5/8" (Use as require d) Screw, 5/16-18 x 3/4" (Use as require d) Screw, 5/16-18 x 3/4" (Use as require d) Screw, 5/16-18 x 7/8" (Use as required) Washer, Flat (Use as required) * Gasket, Carburetor Baffle, Air Terminal, Ground Trigger Pin Kit (Use as required)
177 177 178	32426 650675 8345 27070 650675	Spacer, Screen Washer, Flat 1/4" Washer, 1/4 plain (Use as required) Washer, Lock 1/4 E.T. (Use as require d) Washer, Flat 1/4 (Use as required)

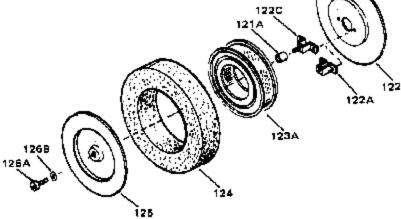
Ref #	Part Number Qty	Description
184	27793	Clip, Conduit
185	28942	Screw, 10-32 x 3/8"
187	650713	Screw, 5/16-18 x 5/8"
188	26073	Washer, Flat
246	33776	Screen, Starter pulley
248	650670	Screw, 1/4-20 x 3/4"
249	32046	Rope Assy., Starter (Use as required)
264	650661	Screw, 1/4-20 x 3/4"
265	610408	Nut, Hex
266	610750	Grommet, Lead wire
267	610748	Solid State Magneto (Incl.151,173,265 ,266)
278	610746	Solid State Flywheel
299	34346	Decal, Instruction
299A	31752	Decal, Air cleaner
299B	550223	Decal, Name
299B	32676	Decal, Solid State
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 *)

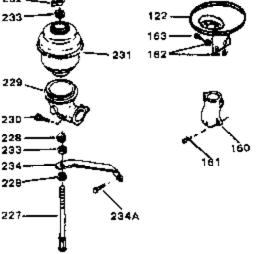


Ref #	Part Number	Qty Description
178	27070	Washer, Lock 1/4 E.T. (Use as require d)
178	650675	Washer, Flat 1/4 (Use as required)
180	650701	Screw, 8-18 x 7/16" (Use as required)
	792028	Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor)
	650781	Screw,5/16-18 x 11/16"(Use w/33835 st r.motor)
235	34276	Plate, 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)
254	610761	Alternator Coil (Solid State) (10 Amp) (Incl. Nos. 253, 256 & 257A)
255	650416	Screw, 10-32 x 1"
	610922	Terminal, Female
257B	610824	Flat Connector (Female terminals) (As req.)
257A	610819	Connector, Pyramid (For female termin als)
	610750	Grommet, Lead wire
	610749	Solid State Regulator (10 Amp)
	730198	Starter Switch Kit(Incl. 287-298) (As req.)
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.

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







Ref #	Part Number	Qty	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)
123A	32008		Element, Air cleaner
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