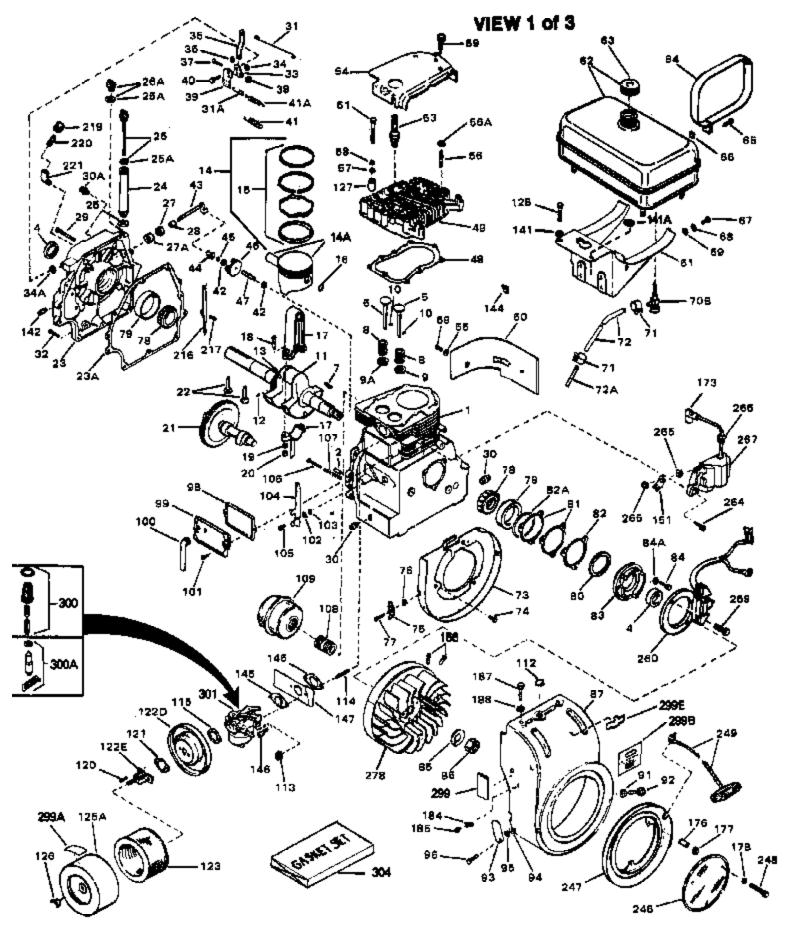
## ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

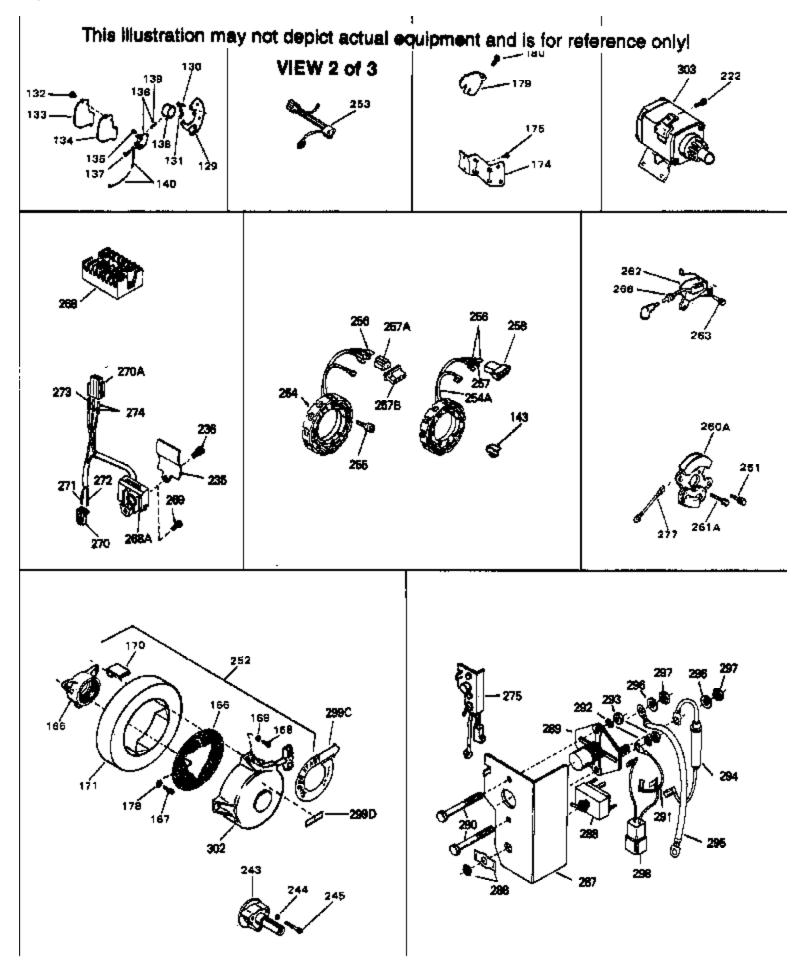


Ref #	Part Number	Qtv	Description
	33039	<u> </u>	Cylinder (Incl.2,4,30,47,119) (3-5/16 ")
	27652		Pin, Dowel
	31950		Seal, Oil
	31940		Intake Valve (Std.)
	31941		Intake Valve (1/32" OS) (Incl. 9)
	31942		Exhaust Valve (Std.)
	31943		Exhaust Valve (1/32" OS) (Incl. 9)
	650592		Key, Flywheel
	31944		Spring, Valve
	31946		Cap, Lower valve spring (1/32" OS)
	31945		Cap, Lower valve spring (Std.)
	31945		Cap, Lower valve spring (Std.)
	31946		Cap, Lower valve spring (1/32" OS)
	20810		Pin, Valve spring retainer
	33937B		Crankshaft (Incl.12,13,78,79,209,210 & 211)
12	29783		Pin, Crankshaft gear
13	31931		Gear, Crankshaft
14	34508		Piston, Pin & Ring Set (Std.) (3-5/16 " Bore)
14	34509		Piston, Pin & Ring Set (.010" OS)
	34510		Piston, Pin & Ring Set (.020" OS)
	34850		Piston, Pin & Ring Set (.030" OS)
	34523		Piston, Pin & Ring Set (.040" OS)
	32620B		Piston & Pin Ass'y. (.040" OS) (Incl. 16)
	32001C		Piston & Pin Ass'y. (Std.)(Incl.16)(3 -5/16")
	32002B		Piston & Pin Ass'y. (.010" OS) (Incl. 16)
	32003B		Piston & Pin Ass'y. (.020" OS) (Incl. 16)
	32619B		Piston & Pin Ass'y. (.030" OS) (Incl. 16)
	32004		Ring Set (Std.) (3-5/16" Bore)
	32004		•
			Ring Set (.010" OS)
	32006		Ring Set (.020" OS)
	32623		Ring Set (.030" OS)
	32624		Ring Set (.040" OS)
	32321		Re-Ringing Set, Piston
	31919		Ring, Piston pin retaining
	33093A		Connecting Rod Ass'y.(Std.)(Incl.18, 19 & 20)
	34383		Connecting Rod Assy.(.010" US)(Incl.1 8,19,20)
	34384		Connecting Rod Assy.(.020" US)(Incl.1 8,19,20)
	32077		Bolt, Connecting rod
	26073		Washer, Connecting rod
20	28264		Nut Assy., Lock
21	33470		Camshaft (MCR)
	31939		Lifter, Valve
23	34002A		Cover, Cylinder (Incl. 4, 30, 119 & 2 13)
23A	31956A		* Gasket, Cylinder cover
25A	29673		* Gasket, Oil fill
26	33069		Dipstick (Incl. 25A)
28	32426		Spacer, Governor rod
	650492		Screw, 1/4-20 x 2-1/4"
	31927		Oil Drain Plug
	31968		Link, Governor
	650451		Screw, 1/4-20 x 1"
	31964		Clamp, Governor lever
	29193		Ring, Retaining
	31963		Lever, Governor adjusting
	650518		Lockwasher
	650544		
	7975		Screw, 10-24 x 7/8"
			Nut, 10-24 Plate Coverner spring
39	31965		Plate, Governor spring

	Part Number Qt	
	30312	Screw, 10-32 x 1/2"
41	31967	Spring, Governor
42	30590A	Washer, Flat
43	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)
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 required)
	650692	Screw, $5/16-18 \times 1-3/4"$ (Use as required)
	650603	Screw, $5/16-18 \times 5/8$ " (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)
	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
		required)
	650517	Screw, 1/4-20 x 27/32" (Use as requir ed)
67	650561	Screw, 1/4-20 x 5/8" (Use as required )
67	30063	Screw, 1/4-20 x 1/2" (Use as required )
67	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 required)
	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"
	33356	Terminal
	28545	Grommet, Plastic
77	650760	Screw, 8-32 x 3/8"
	31932	Bearing, Tapered roller
	31928	Cup, Bearing
	32031	Spacer, Steel (.010" thick) NOTE: Determine the gap
00		between the cover and the machined surface on the cylinder
		which can be from .001"up to .007" in which case no shim
		aperate will be required like of aperation must be limited to a
		gaskets will be required. Use of gasket must be limited to a
		combined total of .010" thick. Steel spacersmust be used as required

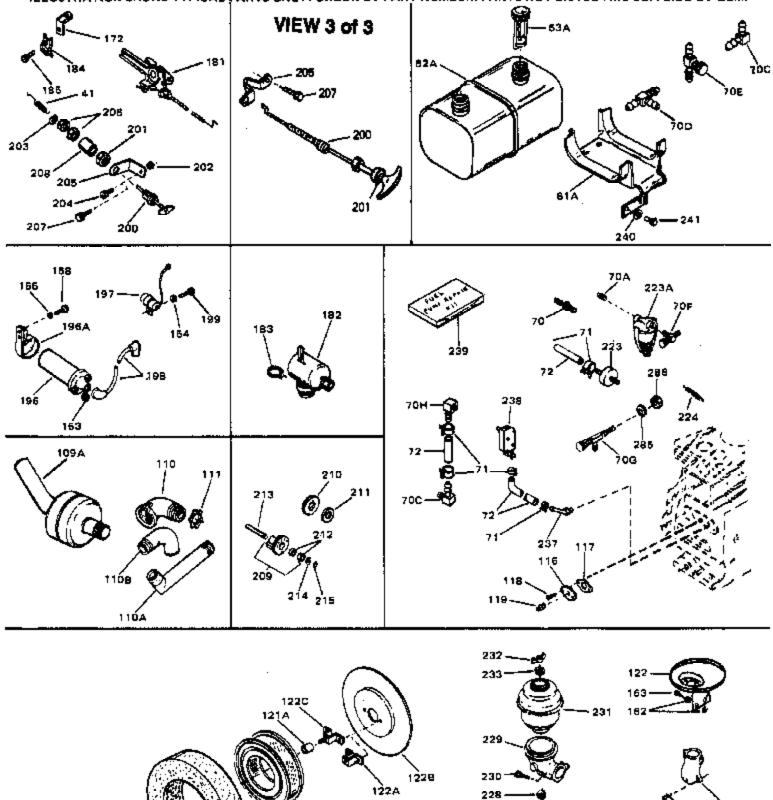
	Part Number 31971	Qty   Description     * Gasket, Shim (.004/.005 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. 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	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
84A 85 86 87 91 92 95 96 98 99 100 101 102 103 104 105 106 107 108 109 112 113 114 115 120 121 122E 122D 123 125A 126 128	792028   650679   650666   650594   33044A   8274   650595   8274   650624   31958   31957   35350   650128   28558   31966   31984A   650597   650591   33099   33853   32043B   33038   29752   650587   27272   650399   30767   32380   31925   31926   650513   650513   650513	Screw, 5/16-18 x 7/8" Lockwasher, 5/16" (Use as required) 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 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, Strew, 5/16-18 x 5/8" (Use as require d)
141A	792028 8274 26073	Screw, 5/16-18 x 7/8" (Use as require d) Lockwasher, Split (Use as required) Washer, Flat (Use as required)

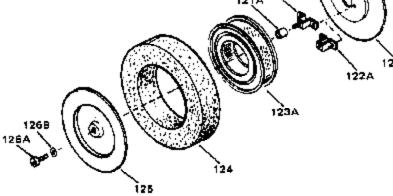
		Description
144	29443	Clip, Wire
145	31960	* Gasket, Carburetor
147	32478	Baffle, Air
147	31959	Baffle, Air
151	610908	Terminal, Female
156	730201	Trigger Pin Kit (Use as required)
173	610118	Cover, Spark plug (Use as required)
176	31992	Spacer, Screen
	8345	Washer, 1/4 plain (Use as required)
	27070	Washer, Lock 1/4 E.T. (Use as require d)
	650675	Washer, Flat 1/4 (Use as required)
	27793	Clip, Conduit
	28942	Screw, 10-32 x 3/8"
	33467	Tube, Extension, Oil fill
	650744	Screw, 10-24 x 7/8"
	33776	Screen, Starter pulley
	31980	Pulley, Starter
	650680	Screw, 1/4-20 x 1-1/2"
	32046	Rope Assy., Starter (Use as required)
	650661	Screw, 1/4-20 x 3/4"
	610408	Nut, Hex
	610750	Grommet, Lead wire
	610906	Solid State Magneto (Incl.151,173,265,266)(20 Amp)
	610901	Solid State Flywheel
	34346	Decal, Instruction
	31752	Decal, Air cleaner
	32676	Decal, Solid State
	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 *)

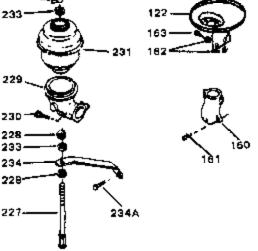


Ref #	Part Number	Qty	Description
178	27070		Washer, Lock 1/4 E.T. (Use as require d)
178	650675		Washer, Flat 1/4 (Use as required)
180	650701		Screw, 8-18 x 7/16" (Use as required)
222	792028		Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor)
222	650781		Screw,5/16-18 x 11/16"(Use w/33835 st r.motor)
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)
254A	610902		Alternator Coil (20 Amp)(Incl.256,257,258)
255	650521		Screw, 10-32 x 1-1/8"
256	610905		Terminal
257B	610824		Flat Connector (Female terminals) (As req.)
	610904		Terminal
	610903		Connector, Flat
	610750		Grommet, Lead wire
	610907A		Regulator (20 Amp) (Incl.268A, 269 & 298)
	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
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)
184	27793	Clip, Conduit
185	28942	Screw, 10-32 x 3/8"
209	33964	Weight Assy., Counterbalance (Helical teeth) (Incl. 2 of 212)
210	33963	Gear, Counterbalance Weight
211	33499	Spacer
212	33501	Bearing, Needle
213	33502	Shaft, Counterbalance
214	33503	Washer, Thrust
215	792017	Ring, Retaining