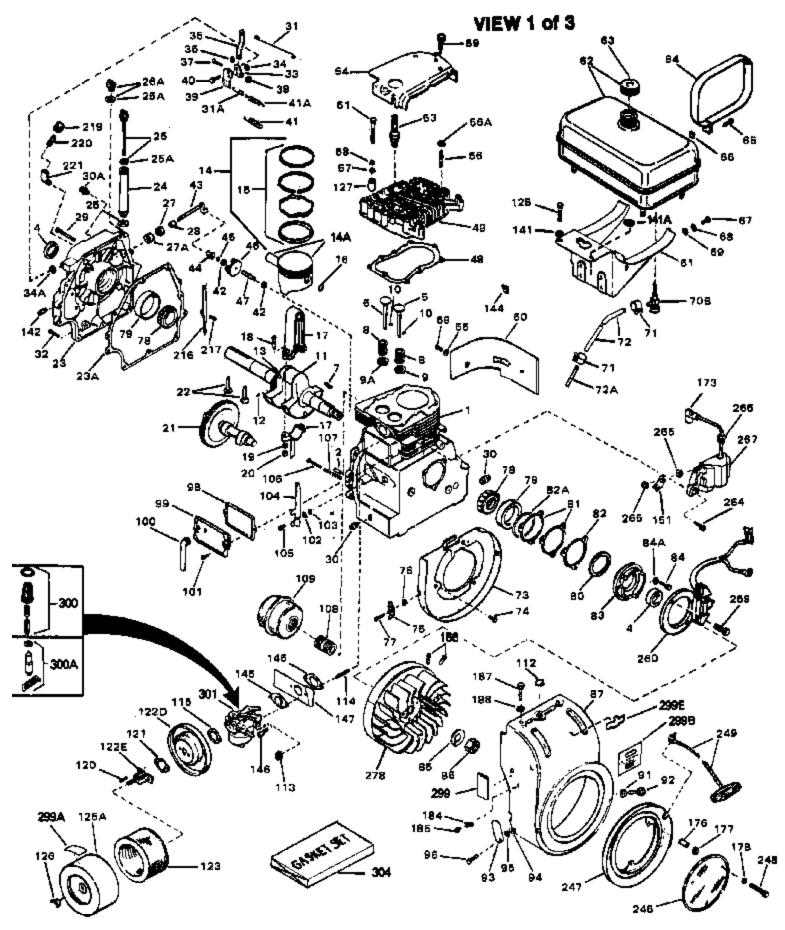
## ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

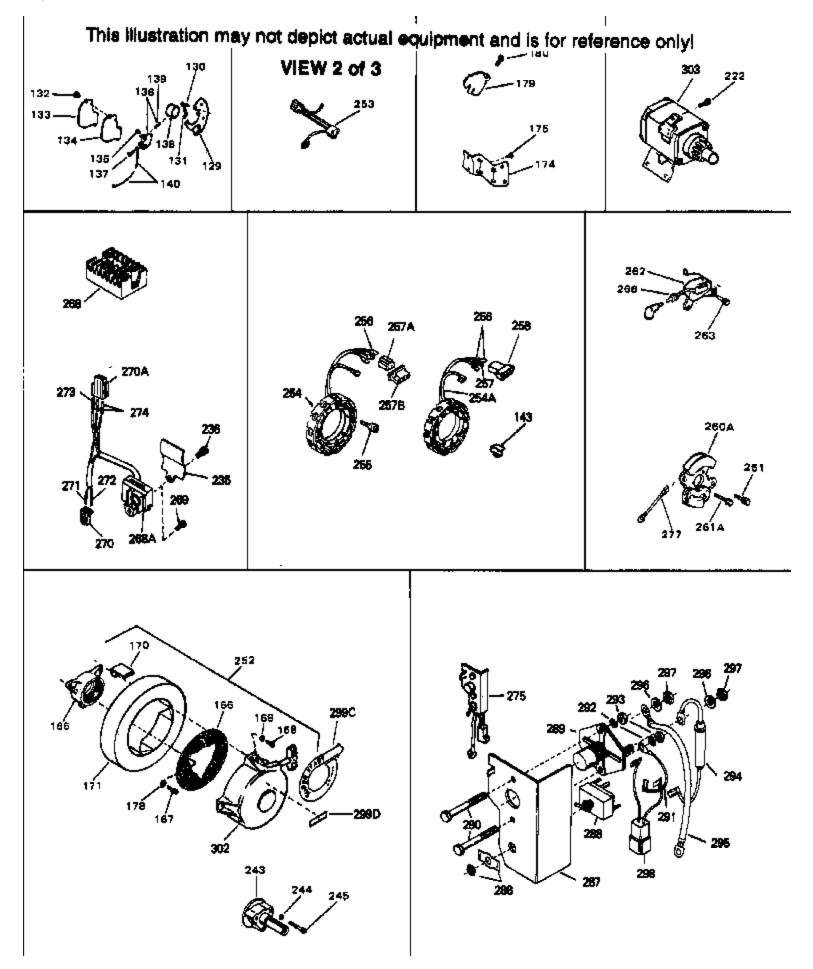


Ref #	Part Number Qt	y Description
1	33043	Cylinder (Incl. 2, 4, 30 & 47) (3-1/2 " Bore)
2	27652	Pin, Dowel
4	31950	Seal, Oil
5	31940	Intake Valve (Std.)
5	31941	Intake Valve (1/32" OS) (Incl. 9)
	31942	Exhaust Valve (Std.)
	31943	Exhaust Valve (1/32 OS) (Incl. 9)
	650592	Key, Flywheel
	31944	Spring, 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
	34019A	Crankshaft (Incl.12,13,78,79,210 & 21 1)
	29783	Pin, Crankshaft gear
	31931	Gear, Crankshaft
	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)
	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)
	32241	Ring Set (Std.) (3-1/2" Bore)
	32242	Ring Set (.010" OS)
	32243	Ring Set (.020" OS)
15	32625	Ring Set (.030" OS)
15	32626	Ring Set (.040" OS)
15	32336	Re-Ringing Set, Piston
16	31919	Ring, Piston pin retaining
17	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)
18	32077	Bolt, Connecting rod
19	26073	Washer, Connecting rod
20	28264	Nut Assy., Lock
21	33470	Camshaft (MCR)
22	31939	Lifter, Valve
23	34002A	Cover, Cylinder (Incl. 4, 30, 119 & 2 13)
	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
35	31963	Lever, Governor adjusting
36	650518	Lockwasher
	650544	Screw, 10-24 x 7/8"
	7975	Nut, 10-24
39	31965	Plate, Governor spring

		Description
40	30312	Screw, 10-32 x 1/2"
41	31967	Spring, Governor
42	30590A	Washer, Flat
43	32425	Rod Assy., Governor
44	31948	Spool, Governor
45	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 required)
	650714	Screw, 5/16-18 x 1-5/8" (Use as required)
	650697A	Screw, 5/16-18 x 2-1/2" (Use as required)
	650692	Screw, 5/16-18 x 1-3/4" (Use as required)
	650603	Screw, 5/16-18 x 5/8" (Use as required)
	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)
	650128	Screw, 10-24 x 1/2"
	31976	Extension, Blower housing
	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)
67	650561	Screw, 1/4-20 x 5/8" (Use as required )
67	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)
	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	52051	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

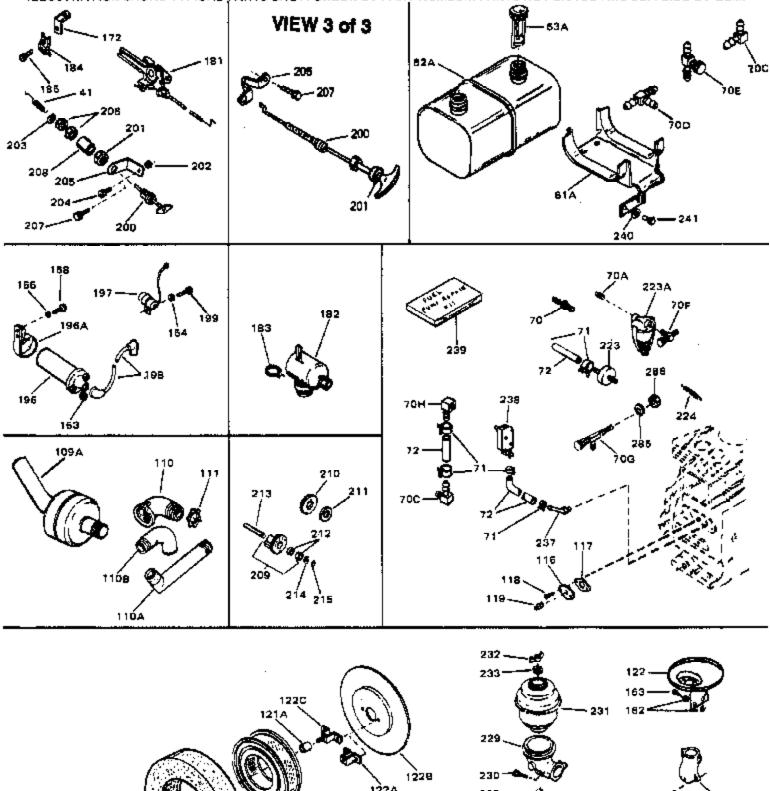
		Qty Description
82	31972	* Gasket, Shim (.005/.007 thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust 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
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 125A 126 128 128 128 128 128 128 128 128 128 127 125 126 126 127 127 125 125 126 127 127 127 127 127 127 127 127 127 127	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   32812   32810   650513   650513   650713   650713   650713   8274   26073   31960   31959   610908   730201   610118   8345   27070	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 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 Cover, Air cleaner Nut, Wing Screw, 5/16-18 x 5/6" (Use as require d) Screw, 5/16-18 x 7/8" (Use as required) Screw, 5/16-18 x 7/8" (Use as required) Washer, Flat (Use as required) * Gasket, Carburetor Baffle, Air Terminal, Female Trigger Pin Kit (Use as required) Cover, Spark plug (Use as required) Washer, 1/4 plain (Use as required)
178	27070 650675 27793	Washer, Lock 1/4 E.T. (Use as require d) Washer, Flat 1/4 (Use as required) Clip, Conduit

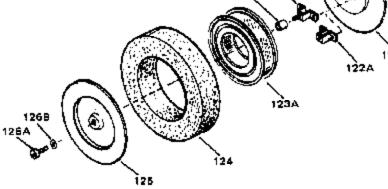
Ref #	Part Number Qty	Description
185	28942	Screw, 10-32 x 3/8"
187	650713	Screw, 5/16-18 x 5/8"
188	26073	Washer, Flat
216	33467	Tube, Extension, Oil fill
217	650744	Screw, 10-24 x 7/8"
249	32046	Rope Assy., Starter (Use as required)
264	650661	Screw, 1/4-20 x 3/4"
265	610408	Nut, Hex
266	610750	Grommet, Lead wire
267	610906	Solid State Magneto (Incl.151,173,265,266)(20 Amp)
278	610901	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 *)

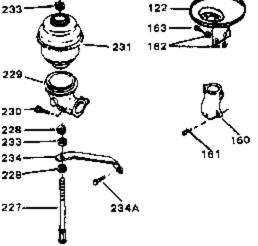


Ref #	Part Number Qty	Description
	32048	Hub, Starter
166	32049	Screen, Starter hub
167	650516	Screw, 1/4-20 x 1-1/8"
	650598	Screw, 1/4-28 x 3/4"
	8345	Washer, Flat
	27070	Washer, Lock 1/4 E.T. (Use as require d)
	650675	Washer, Flat 1/4 (Use as required)
	650701	Screw, 8-18 x 7/16" (Use as required)
	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)
	730134	Rewind Starter Kit (Incl. 165, 166, 167, 168, 169 & 291) (Use
-		as required)
050	2204.0	• •
	33018 610902	Harness Assy., Adapter (Use as required)
	650521	Alternator Coil (20 Amp)(Incl.256,257 ,258) Screw, 10-32 x 1-1/8"
	610905	Terminal
	610904	Terminal
	610824	Flat Connector (Female terminals) (As req.)
	610903	Connector, Flat
	610750	Grommet, Lead wire
	610907A	Regulator (20 Amp) (Incl.268A, 269 & 298)
	730198	Starter Switch Kit(Incl. 287-298) (As req.)
	590405	Rewind Starter (Refer to Division 5, Section C, page 24 for
002		breakdown)
		,
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.
		DIEakuuwii.

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)
122C	32907B	Bracket, Air cleaner
123A	32008	Element, Air cleaner
172	31990	Bracket, Choke control
184	27793	Clip, Conduit
185	28942	Screw, 10-32 x 3/8"
209	33965	Weight Assy., Counterbalance (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
237	32958	Fitting, Fuel
238	32959	Fuel Pump, Impulse
239	33010	Repair Kit, Impulse fuel pump