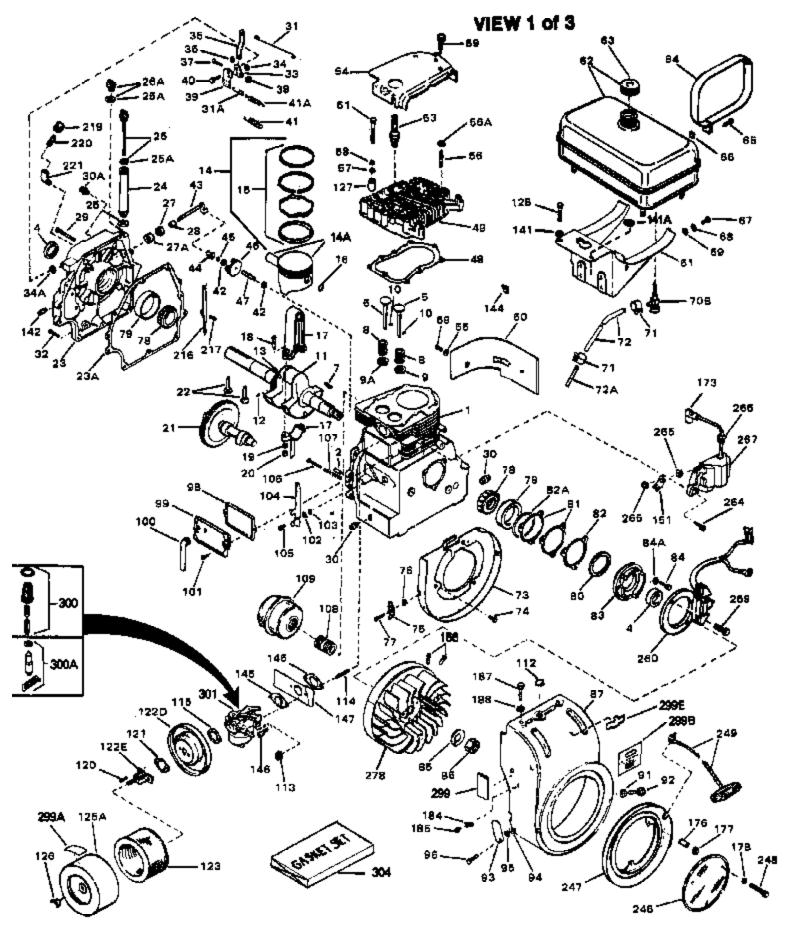
## ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

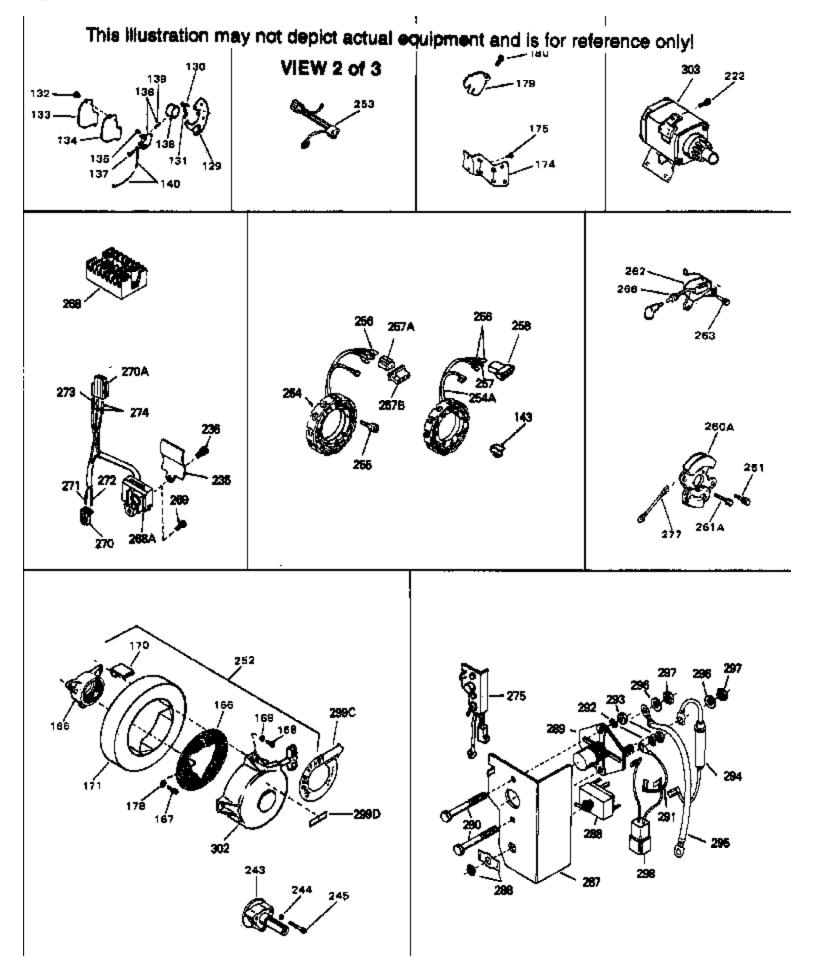


Ref #	Part Number Qty	Description
1	33042	Cylinder (Incl. 2, 4, 30 & 47) (3-1/2 " Bore)
2	27652	Pin, Dowel
4	31950	Seal, Oil
5	31940	Intake Valve (Std.)
5	31941	Intake Valve (1/32" OS) (Incl. 9)
6	31942	Exhaust Valve (Std.)
	31943	Exhaust Valve (1/32" OS) (Incl. 9)
7	650592	Key, Flywheel
8	31944	Spring, Valve
	31946	Cap, Lower valve spring (1/32" OS)
9	31945	Cap, Lower valve spring (Std.)
9A	31945	Cap, Lower valve spring (Std.)
9A	31946	Cap, Lower valve spring (1/32" OS)
10	20810	Pin, Valve spring retainer
11	32357B	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")
	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	Ring Set (.030" OS)
15	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)
	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
	28264	Nut Assy., Lock
	32150	Camshaft (MCR)
	31939	Lifter, Valve
	31956A	* Gasket, Cylinder cover
	32685	Cylinder Cover (Incl.4,25,26A,28,30,3 4 & 43) Oil Fill Tube
	31985 29673	* Gasket, Oil fill tube
	29673	* Gasket, Oil fill
	31986	Dipstick (Incl. 25A)
	32426	Spacer, Governor rod
	650588	Screw, 1/4-20 x 2"
	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	Screw, 10-24 x 7/8"
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	Part Number Qt	
38	7975	Nut, 10-24
39	31965	Plate, Governor spring
40	30312	Screw, 10-32 x 1/2"
	31967	Spring, Governor
	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)
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 required)
51	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 require d)
	33636	Resistor Spark Plug (RJ-8C)
	34251	Resistor Spark Plug (RJ-17LM)
	33035	Cover, Cylinder head
	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"
	31976	Extension, Blower housing
	31978	Bracket, Fuel tank
	410144B	Fuel Cap (White Plastic)(Std.)(As req uired)
	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
00	3-1210	
		required)
64	31979	Strap, Fuel tank
65	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 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 x 7/8" (Use as require d)
	8345	Washer, Flat
	8303	Lockwasher
	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)
	30962	Fuel Line (Braided) (32") (Use as req uired)
	30965	Fuel Line (Braided) (48") (Use as req uired)
	31975	Baffle, Blower housing
/ <		Screw, 1/4-20 x 5/8"
74	650561 28545	
74 76	28545	Grommet, Plastic
74 76 77	28545 650760	Grommet, Plastic Screw, 8-32 x 3/8"
74 76 77 78	28545	Grommet, Plastic

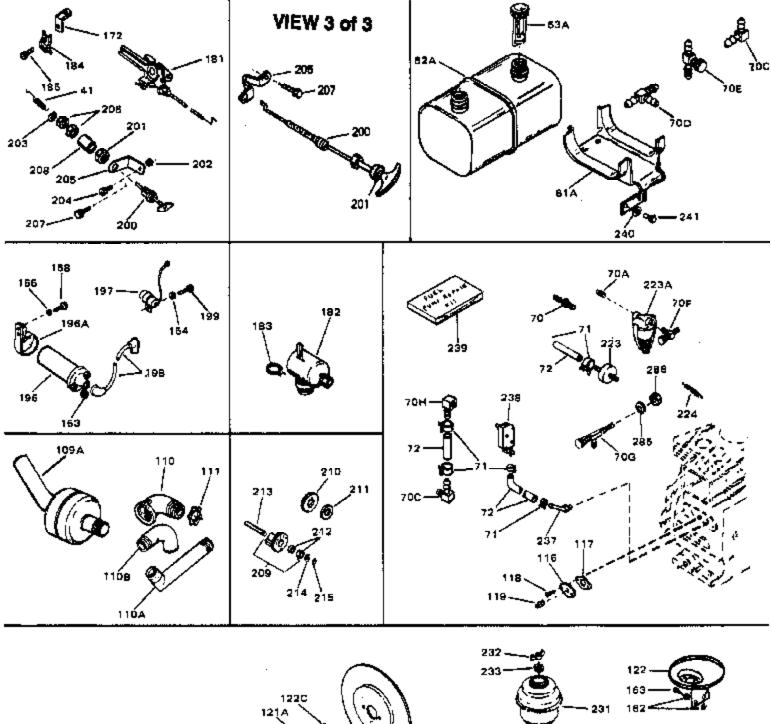
	Description
32031	Spacer, Steel (.010" thick) NOTE: Determine the gap between the cover and the machined surface on the cylinder which can be from .001"up to .007" in which case no shim gaskets will be required. Use of gasket must be limited to a combined total of .010" thick. Steel spacersmust be used as required
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
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
32677	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
650668 650679 650666 650594 33037 8274 650595 32039 650890 26073 650624 31958 31957 35350 650128 28558 31966 31984A 650597 650591 33099 33038 29752 650587 27272 650399 30767 32376	Screw, 10-32 x 1" Lockwasher, 5/16" (Use as required) Washer, Lock Nut, Flywheel, 3/4-16 Blower Housing Washer, Lock Screw, 5/16-24 x 3/8" Switch, Stop Washer, Shakeproof 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
	31971   32599   31972   32677   650668   65079   650666   650594   33037   8274   650595   32039   650890   26073   650624   31957   35350   650128   28558   31966   31984A   650591   33038   29752   650587   27272   650587   27272   650399   30767   32376

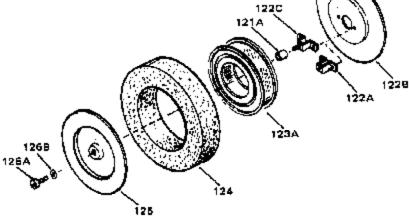
Ref #	Part Number Qt	y Description
128	650713	Screw, 5/16-18 x 5/8" (Use as require d)
128	650429	Screw, 5/16-18 x 3/4" (Use as require d)
128	792028	Screw, 5/16-18 x 7/8" (Use as require d)
141A	8274	Lockwasher, Split (Use as required)
141	26073	Washer, Flat (Use as required)
145	31960	* Gasket, Carburetor
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)
178	650675	Washer, Flat 1/4 (Use as required)
187	650713	Screw, 5/16-18 x 5/8"
	26073	Washer, Flat
	33776	Screen, Starter pulley
	31980	Pulley, Starter
	650680	Screw, 1/4-20 x 1-1/2"
	32046	Rope Assy., Starter (Use as required)
	610750	Grommet, Lead wire
	610758	Flywheel
	34346	Decal, Instruction
	32676	Decal, Solid State
299A	31752	Decal, Air cleaner
300	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 *)

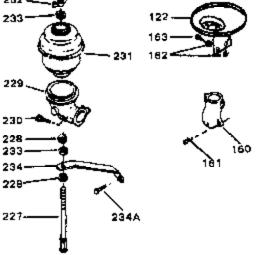


Ref #	Part Number Qt	y Description
178	27070	Washer, Lock 1/4 E.T. (Use as require d)
178	650675	Washer, Flat 1/4 (Use as required)
180	650701	Screw, 8-18 x 7/16" (Use as required)
222	792028	Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor)
222	650781	Screw,5/16-18 x 11/16"(Use w/33835 st r.motor)
235	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)
255	650416	Screw, 10-32 x 1"
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)
	650561	Screw, 1/4-20 x 5/8"
	610750	Grommet, Lead wire
	730198	Starter Switch Kit(Incl. 287-298) (As req.)
	30831	Ground Wire (Incl. 75)
299D	32187	Decal, "Super Start"

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







Ref #	Part Number	Qty D	Description
41	31967	S	pring, Governor
62A	31977	Fu	uel Tank (Incl. 63)
70	29634	Fi	itting, Fuel line
71	26460	С	Clamp, Fuel line (Use as required)
72	29774	Fu	uel Line (Braided) (8.25") (Use as r equired)
72	30705	Fu	uel Line (Braided) (16") (Use as req uired)
72	30962	Fu	uel Line (Braided) (32") (Use as req uired)
72	30965	Fu	uel Line (Braided) (48") (Use as req uired)
119	28534	Pi	lipe Plug, 1/8-27 (Use as required)
119	9556	P	lug, Pipe, 1/8-27 (Use as required)
123A	32008	E	lement, Air cleaner