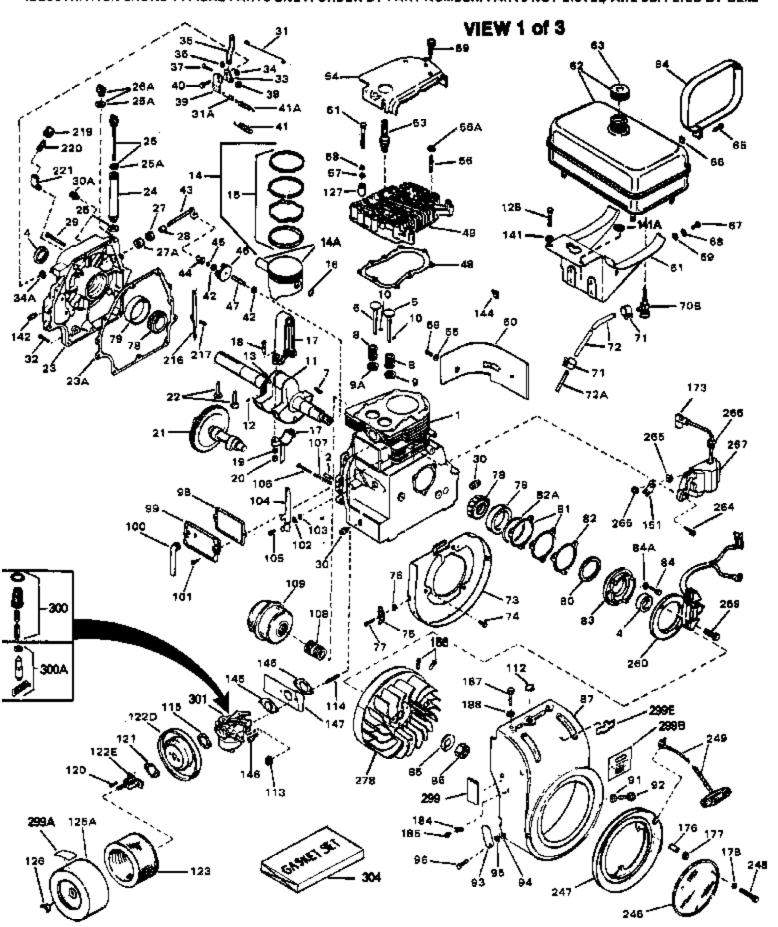
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

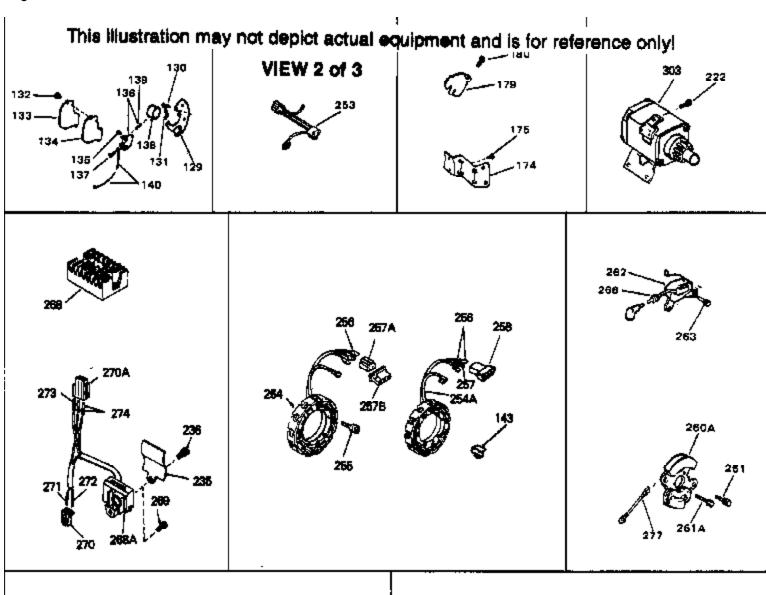


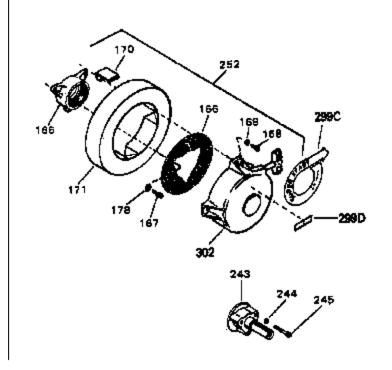
Ref # Part Number	Ohy Description
	Qty Description
1 33039	Cylinder (Incl.2,4,30,47,119) (3-5/16 ")
2 27652	Pin, Dowel
4 31950	Seal, Oil
5 31940	Intake Valve (Std.)
5 31941	Intake Valve (1/32" OS) (Incl. 9)
6 31942	Exhaust Valve (Std.)
	· ·
6 31943	Exhaust Valve (1/32" OS) (Incl. 9)
7 650592	Key, Flywheel
8 31944	Spring, Valve
9 31946	Cap, Lower valve spring (1/32" OS)
9 31945	Cap, Lower valve spring (Std.)
9A 31945	Cap, Lower valve spring (Std.)
9A 31946	Cap, Lower valve spring (1/32" OS)
10 20810	
	Pin, Valve spring retainer
11 32575A	Crankshaft (Incl. 12, 13, 17, 78 & 79)
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)
14 34510	Piston, Pin & Ring Set (.020" OS)
14 34850	Piston, Pin & Ring Set (.030" OS)
14 34523	Piston, Pin & Ring Set (.040" OS)
14 32620B	Piston & Pin Ass'y. (.040" OS) (Incl. 16)
14A 32001C	Piston & Pin Ass'y. (Std.)(Incl.16)(3 -5/16")
14A 32002B	Piston & Pin Ass'y. (.010" OS) (Incl. 16)
14A 32003B	Piston & Pin Ass'y. (.020" OS) (Incl. 16)
14A 32619B	Piston & Pin Ass'y. (.030" OS) (Incl. 16)
15 32004	Ring Set (Std.) (3-5/16" Bore)
15 32005	Ring Set (3.010" OS)
	· · · · · · · · · · · · · · · · · · ·
15 32006	Ring Set (.020" OS)
15 32623	Ring Set (.030" OS)
15 32624	Ring Set (.040" OS)
15 32321	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 32150	Camshaft (MCR)
22 31939	Lifter, Valve
23A 31956A	* Gasket, Cylinder cover
23 32816	Cylinder Cover (Incl.4,25,26A,28,30,3 4 & 43)
24 31985	Oil Fill Tube
25A 29673	* Gasket, Oil fill
25A 35499	"O" Ring
25 29673	* Gasket, Oil fill tube
	·
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
	The state of the s
35 31963 36 650540	Lever, Governor adjusting
36 650518	Lockwasher

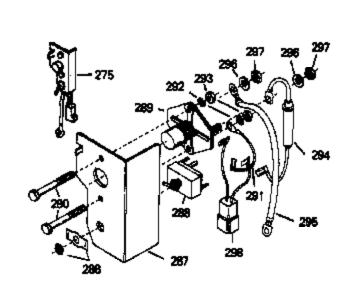
Ref #	Part Number Qty	Description
37	650544	Screw, 10-24 x 7/8"
	7975	Nut, 10-24
	31965	Plate, Governor spring
	30312	Screw, 10-32 x 1/2"
	31967	Spring, Governor
	30590A	Washer, Flat
	32425	Rod Assy., Governor
	31948	Spool, Governor
	29193	Ring, Retaining
	31947	Gear Assy., Governor
		• •
	31930	Shaft, Mechanical Governor
	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)
	650628A	Screw, 5/16-18 x 2-3/8" (Use as requi red)
	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)
	650697A	Screw, 5/16-18 x 2-1/2" (Use as requi red)
	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)
54	33035	Cover, Cylinder head
55	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)
	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
00	0.12.10	required)
		•
	31979	Strap, Fuel tank
	650451	Screw, 1/4-20 x 1"
	650456	Nut, Flange whiz-lock, 1/4-20
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)
67	792028	Screw, 5/16-18 x 7/8" (Use as require d)
68	8345	Washer, Flat
69	8303	Lockwasher
70B	29683	Strainer & Shut-off, Fuel
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)
	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
	650760	Screw, 8-32 x 3/8"
	31932	Bearing, Tapered roller
	31928	Cup, Bearing
19	01020	oup, bearing

Rof #	Part Number	Qty 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
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
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 32677	"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 93 94 95 96 98 99 100 101 102 103 104 105 106 107 108 109 112 113 114 115 120 121	650668 650679 650666 650594 33044A 8274 650595 32039 650890 26073 650624 31958 31957 35350 650128 28558 31966 31984A 650597 650591 33099 32143 32043B 33038 29752 650389 30767 32376 32376	Screw, 10-32 x 1" 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" Switch, Stop Washer, Shakeproof Washer, Flat Screw, 5/16-24 x 9/16" * Gasket, Breather Breather Assy. Tube, 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, Air cleaner Bracket, Air cleaner Bracket, Air cleaner

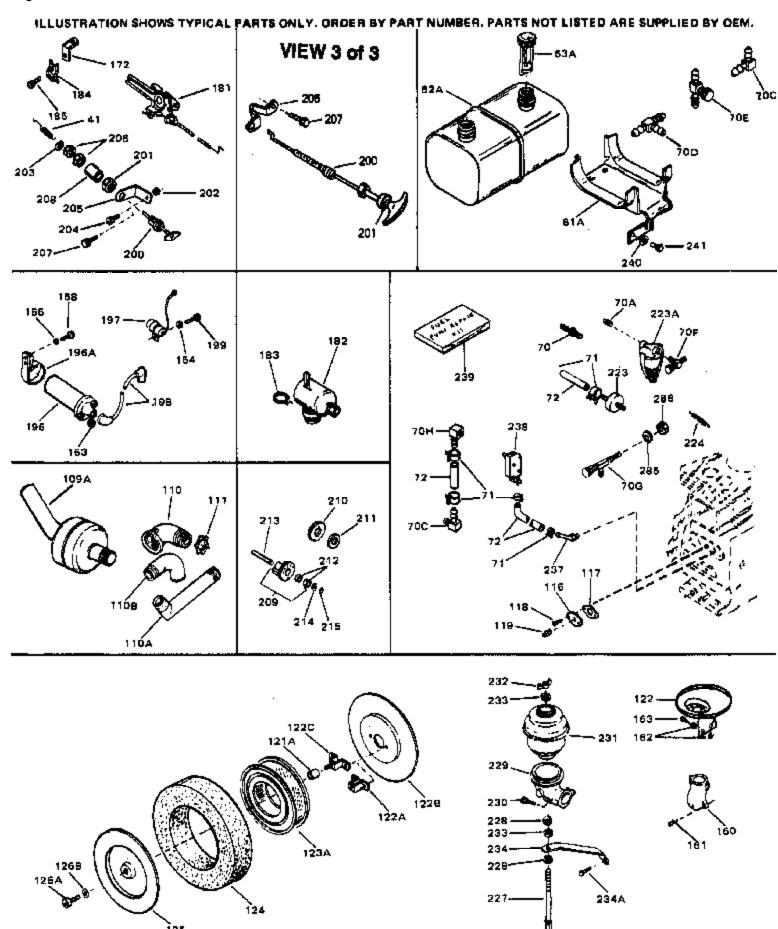
Ref #	Part Number	Qty	Description
125A	32009		Cover, Air cleaner
126	650513		Nut, Wing
128	650713		Screw, 5/16-18 x 5/8" (Use as require d)
128	650429		Screw, 5/16-18 x 3/4" (Use as require d)
128	792028		Screw, 5/16-18 x 7/8" (Use as require d)
141	26073		Washer, Flat (Use as required)
141A	8274		Lockwasher, Split (Use as required)
145	31960		* Gasket, Carburetor
147	31959		Baffle, Air
156	730201		Trigger Pin Kit (Use as required)
	610118		Cover, Spark plug (Use as required)
	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)
	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
	610773		Solid State Flywheel
	550223		Decal, Name
	32676		Decal, Solid State
	31752		Decal, Air cleaner
	34346		Decal, Instruction
	32255A		Valve, Seat, Spring & Gasket Assy.
301	631564		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
	27070	-	Washer, Lock 1/4 E.T. (Use as require d)
	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)
	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.



Ref #	Part Number C	ty 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)
110	32141	90 Degree Exhaust Elbow
111	650590	Nut, Conduit
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