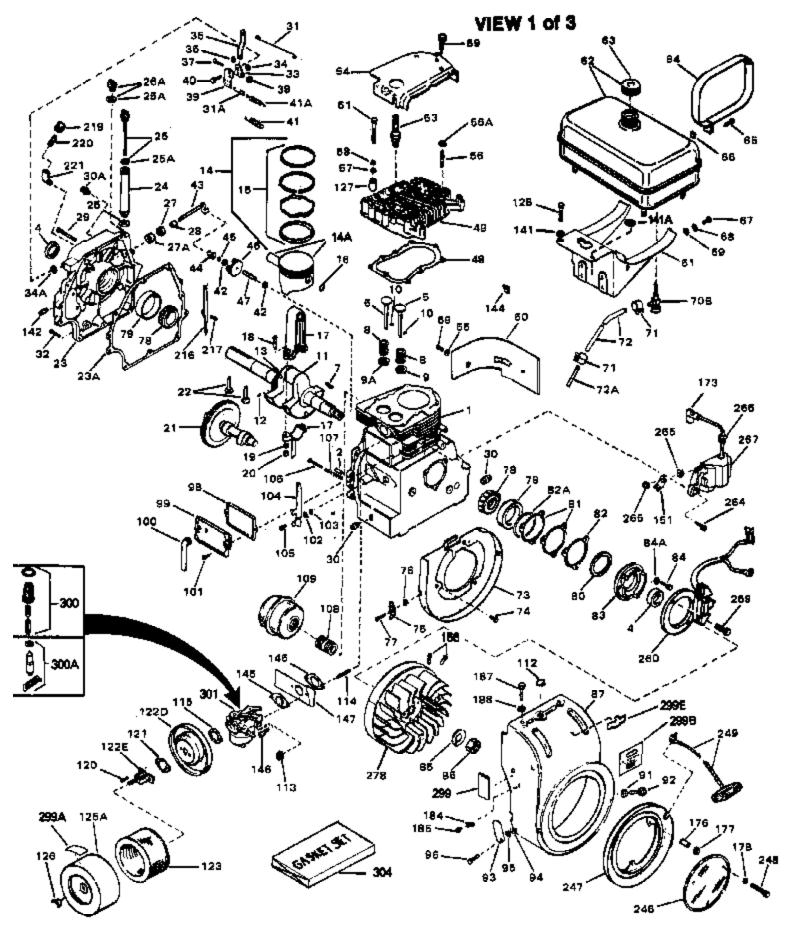
ILLUSTRATION SHOWS TYPICAL PARTS ONLY, ORDER BY PART NUMBER, PARTS NOT LISTED ARE SUPPLIED BY DEM.

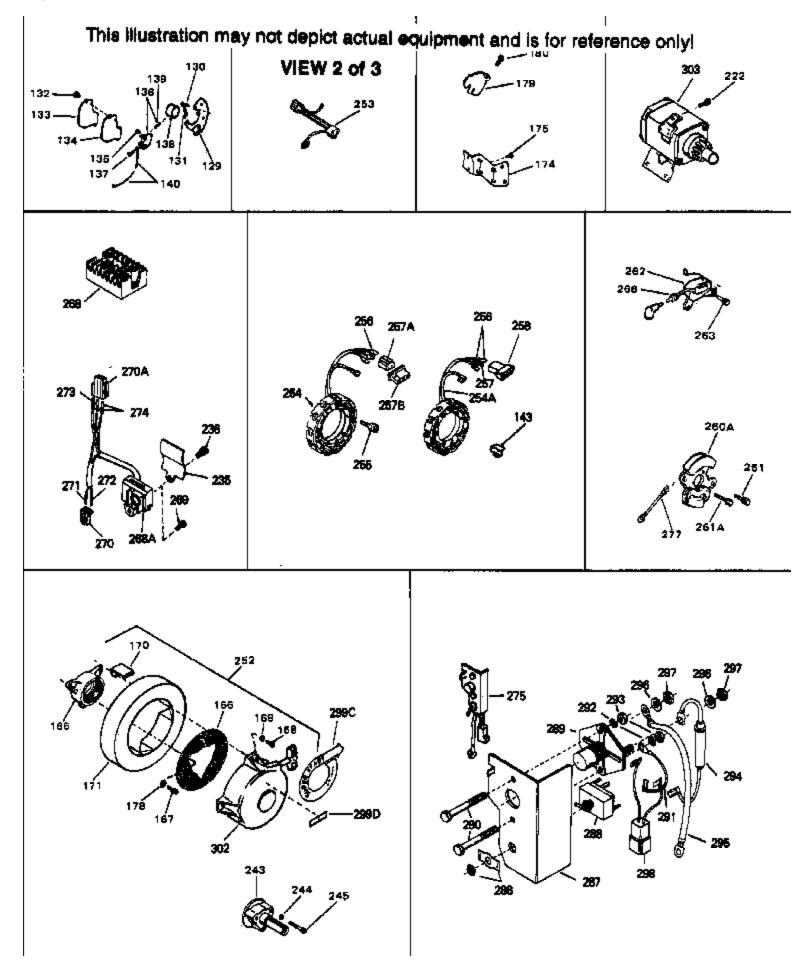


Ref #	Part Number Qty	Description
1	33042	Cylinder (Incl. 2, 4, 30 & 47) (3-1/2 " Bore)
2	27652	Pin, Dowel
4	31950	Seal, Oil
5	31940	Intake Valve (Std.)
	31941	Intake Valve (1/32 OS) (Incl. 9)
6	31942	Exhaust Valve (Std.)
	31943	Exhaust Valve (1/32 OS) (Incl. 9)
	650592	Key, Flywheel
	31944	Spring, Valve
	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
	32291B	Crankshaft (Incl. 12, 13, 17, 78 & 79)
	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)
	32241	Ring Set (.010" OS)
	32242	Ring Set (.020" OS)
	32625	Ring Set (.030" OS)
	32626	Ring Set (.040" OS)
	32336	Re-Ringing Set, Piston
		Ring, Piston pin retaining
	31919 22002A	0 . 1 0
	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 32580A	* Gasket, Cylinder cover
	29673	Cover, Cylinder (Incl. 4, 28, 30, 34, & 43) * Gasket, Oil fill
	33069	,
	32426	Dipstick (Incl. 25A)
		Spacer, Governor rod
	650588 31927	Screw, 1/4-20 x 2" Oil Drain Plug
		Oil Drain Plug
	31968	Link, Governor
	650451 21064	Screw, 1/4-20 x 1"
	31964	Clamp, Governor lever
	29193	Ring, Retaining
	31963	Lever, Governor adjusting
	650518 650544	Lockwasher
	650544 7075	Screw, 10-24 x 7/8"
	7975	Nut, 10-24
39	31965	Plate, Governor spring

Ref # Part Number	Qty 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
46 31947	Gear Assy., Governor
47 31930	Shaft, Mechanical Governor
48 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 required)
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)
51 650714	Screw, 5/16-18 x 1-5/8" (Use as required)
51 650697A	Screw, 5/16-18 x 2-1/2" (Use as required)
51 650692	Screw, 5/16-18 x 1-3/4" (Use as required)
51 650603	Screw, $5/16-18 \times 1/3/4$ (Use as required)
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	
58 650690	Washer, Flat (Use as required)
58 650650	Washer, Belleville (Use as required)
	Washer, Lock (Use as required)
59 650128 60 31976	Screw, 10-24 x 1/2"
63 410144B	Extension, Blower housing
63 34210	Fuel Cap (White Plastic)(Std.)(As req uired)
65 54210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
	required)
64 31979	Strap, Fuel tank
65 650451	Screw, 1/4-20 x 1"
66 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)
70B 29683	Strainer & Shut-off, Fuel
71 26460	Clamp, Fuel line (Use as required)
72 30962	Fuel Line (Braided) (32") (Use as req uired)
72 30965	Fuel Line (Braided) (48") (Use as req uired)
72 29774	Fuel Line (Braided) (8.25") (Use as r equired)
72 30705	Fuel Line (Braided) (16") (Use as required)
73 32579	Baffle, Blower housing
74 650561	Screw, 1/4-20 x 5/8"
78 31932	Bearing, Tapered roller
79 31928	Cup, Bearing
80 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

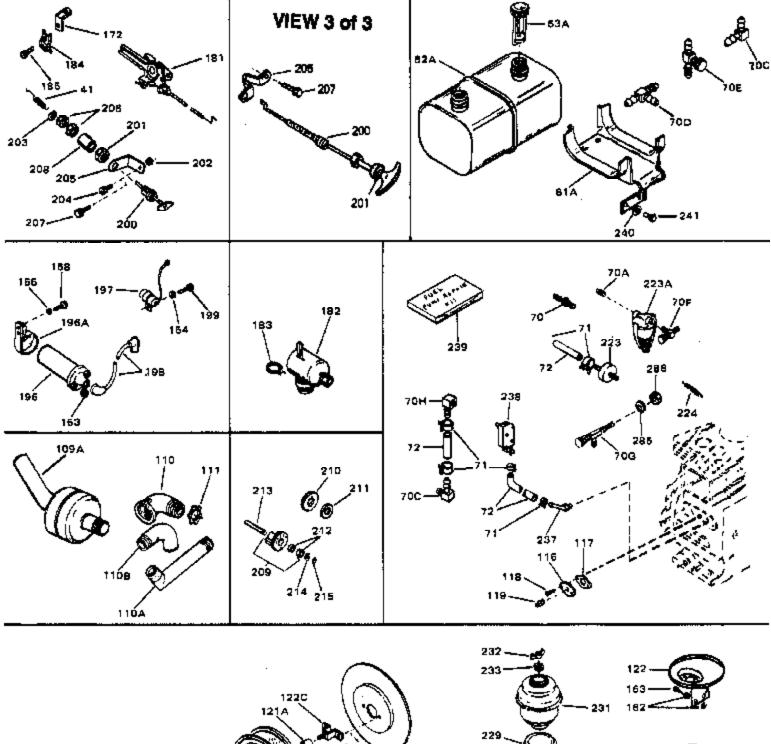
	Part Number	Description	
	31971	* Gasket, Shim (.004/.005 thick) NOTE: I between the cover and the machined surfa which can be from .001"up to .007" in whi gaskets will be required. Use of gasket m combined total of .010" thick. Steel space as req	ace on the cylinder ch case no shim nust be limited to a
	32599 31972	"O" Ring * Gasket, Shim (.005/.007 thick) NOTE: I between the cover and the machined surfa which can be from .001"up to .007" in whi gaskets will be required. Use of gasket m combined total of .010" thick. Steel space as req	ace on the cylinder ch case no shim nust be limited to a
83	32577	Cover, Cylinder NOTE: Determine the gap and the machined surface on the cylinder .001"up to .007" in which case no shim ga required. Use of gasket must be limited to of .010" thick. Steel spacersmust be used eliminat	which can be from askets will be o a combined total
84A 85 86 87 91 92 95 96 98 99 100 101 102 103 104 105 106 107 108 109 112 113 114	792028 650679 650666 650594 33044A 8274 650595 8274 650624 31958 31957 35350 650128 28558 31966 31984A 650597 650591 33099 32042 32043B 33038 29752 650587	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 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	
120 121 122D 122E 125A 126 128 128 128 128 141A 141	27272 650399 30767 32378 32376 32009 650513 650713 650429 792028 8274 26073 31960	* Gasket, Air cleaner Screw, 10-32 x 5/8" Spacer, Air cleaner Bracket, Air cleaner Bracket, Air cleaner Cover, Air cleaner Nut, 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 7/8" (Use as require d) Lockwasher, Split (Use as required) Washer, Flat (Use as required) * Gasket, Carburetor	

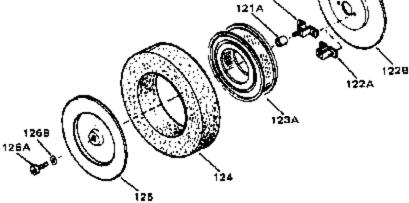
Ref #	Part Number Qt	/ Description
147	31959	Baffle, Air
151	33356	Terminal, Ground
156	730201	Trigger Pin Kit (Use as required)
	610118	Cover, Spark plug (Use as required)
	31992	Spacer, Screen
	8345	Washer, 1/4 plain (Use as required)
	27070	Washer, Lock 1/4 E.T. (Use as require d)
	650675	Washer, Flat 1/4 (Use as required)
	27793	Clip, Conduit
	28942	Screw, 10-32 x 3/8"
	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)
	650661	Screw, 1/4-20 x 3/4"
	610408	Nut, Hex
	610750	Grommet, Lead wire
	610748	Solid State Magneto (Incl.151,173,265 ,266)
	610746	Solid State Flywheel
	31752	Decal, Air cleaner
	34346	Decal, Instruction
	550223	Decal, Name
	32676	Decal, Solid State
	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 *)

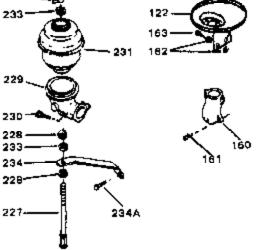


Ref #	Part Number	Qty Description
178	27070	Washer, Lock 1/4 E.T. (Use as require d)
178	650675	Washer, Flat 1/4 (Use as required)
180	650701	Screw, 8-18 x 7/16" (Use as required)
	792028	Screw, 5/16-18 x 7/8" (Use w/32817 st r.motor)
	650781	Screw,5/16-18 x 11/16"(Use w/33835 st r.motor)
235	34276	Plate, 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 0	Qty	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	30962		Fuel Line (Braided) (32") (Use as req uired)
72	30965		Fuel Line (Braided) (48") (Use as req uired)
72	29774		Fuel Line (Braided) (8.25") (Use as r equired)
72	30705		Fuel Line (Braided) (16") (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
184	27793		Clip, Conduit
185	28942		Screw, 10-32 x 3/8"