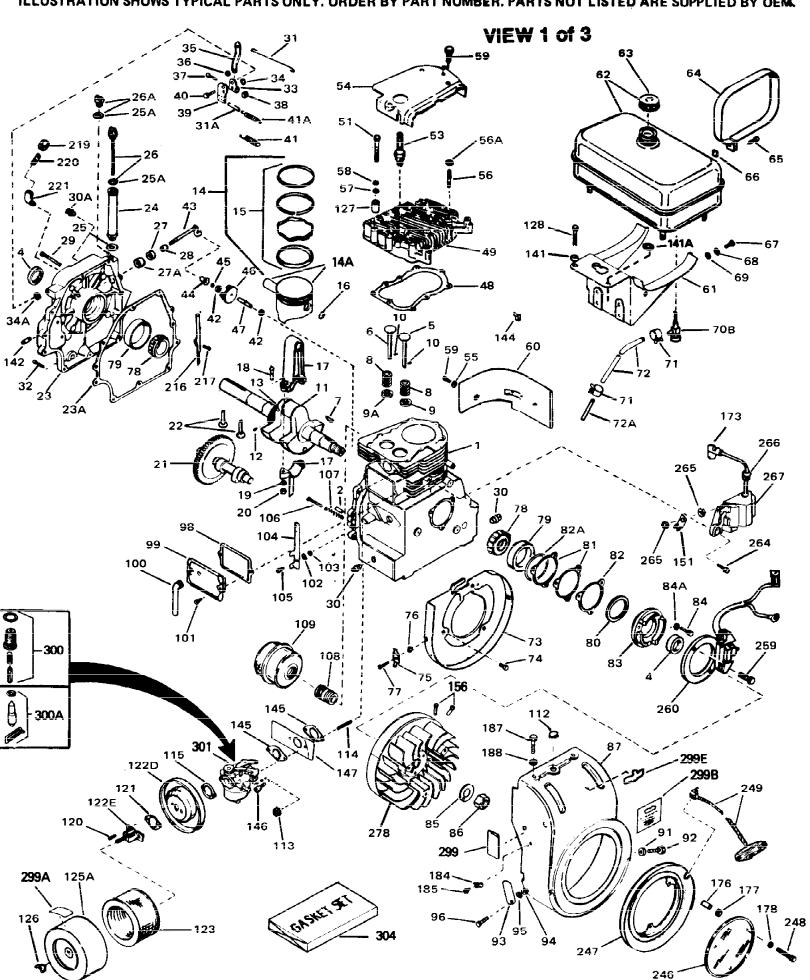
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY OEM.



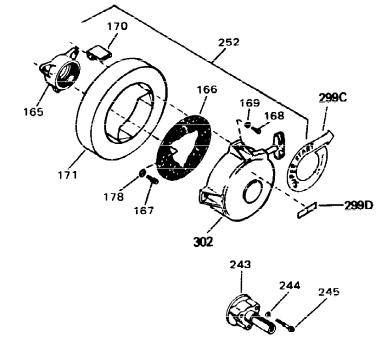
Ref # Part Num	ber Qty	Description
1 33042		Cylinder (Incl. 2, 4, 30 & 47) (3-1/2 " Bore)
2 27652		Pin, Dowel
4 31950		Seal, Oil
5 31940		Intake Valve (Std.)
5 31941		Intake Valve (1/32" OS) (Incl. 9)
6 31942		Exhaust Valve (Std.)
6 31943		Exhaust Valve (1/32" OS) (Incl. 9)
7 650592		Key, Flywheel
8 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 33390B		Crankshaft (Incl. 12, 13, 78 & 79)
12 29783		Pin, Crankshaft gear
13 31931		Gear, Crankshaft
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)
14A 32238B		Piston & Pin Ass'y. (Std.)(Incl.16)(3 -1/2")
14A 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)
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)
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 32150		Camshaft (MCR)
22 31939		Lifter, Valve
23A 31956A		* Gasket, Cylinder cover
23 32580A		Cover, Cylinder (Incl. 4, 28, 30, 34, & 43)
24 33893A		Oil Fill Tube
25A 33590		"O" Ring
26 33984A		Dipstick (Incl. 25A)
28 32426		Spacer, Governor rod
29 650588		Screw, 1/4-20 x 2"
31 31968		Link, Governor
32 650451		Screw, 1/4-20 x 1"
33 31964		Clamp, Governor lever
34 29193		Ring, Retaining
35 31963		Lever, Governor adjusting
36 650518		Lockwasher

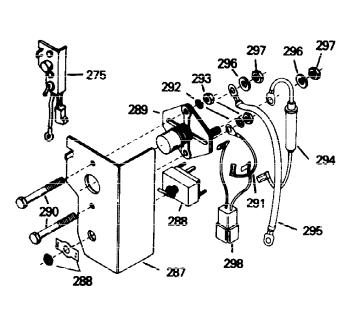
D ("	B (N I	O (
	Part Number	Qty	Description
	650544		Screw, 10-24 x 7/8"
	7975		Nut, 10-24
39	31965		Plate, Governor spring
40	30312		Screw, 10-32 x 1/2"
41	31967		Spring, Governor
42	30590A		Washer, Flat
	32425		Rod Assy., Governor
	31948		Spool, Governor
	29193		Ring, Retaining
	31947		Gear Assy., Governor
	31930		Shaft, Mechanical Governor
			•
	32246A		* Gasket, Cylinder head
	33034		Head, Cylinder
	650694A		Screw, 5/16-18 x 2" (Use as required)
	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 required)
	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)
	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
	650691		Washer, Flat (Use as required)
	650690		Washer, Belleville (Use as required)
58	8274		Washer, Lock (Use as required)
59	650128		Screw, 10-24 x 1/2"
60	31976		Extension, Blower housing
	410144B		Fuel Cap (White Plastic)(Std.)(As req uired)
	34210		Fuel Cap (Red Plastic) (Spurt resistant, High profile)
00	04210		(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)
	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)
	31400		Fuel Line (3-1/2" Metal)
	32579		Baffle, Blower housing
74	650561		Screw, 1/4-20 x 5/8"
78	31932		Bearing, Tapered roller
	31928		Cup, Bearing
	32031		Spacer, Steel (.010" thick) NOTE: Determine the
	3_33		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

Ref #	Part Number	Qty	Description
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 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
84 85 86 87 91 92 95 96 98 99 100 101 102 103 104 105 106 107 112 115 120 121 126 128 128 128 141A	650679 792028 650666 650594 33044A 8274 650595 8274 650624 31958 31957 35350 650128 28558 31966 31984A 650597 650591 33099 33038 27272 650399 30767 650513 650713 650429 792028 8274 26073		Lockwasher, 5/16" (Use as required to eliminat Screw, 5/16-18 x 7/8" 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 Plug, Button (Use as required) * Gasket, Air cleaner Screw, 10-32 x 5/8" Spacer, Air cleaner Nut, Wing Screw, 5/16-18 x 3/4" (Use as require d) Screw, 5/16-18 x 7/8" (Use as required) Washer, Flat (Use as required) Washer, Flat (Use as required)
146 147 151 156	33263 650451 34061 610908 730201 610118		* Gasket, Carburetor Screw, 1/4-20 x 1" Baffle, Air Terminal, Female Trigger Pin Kit (Use as required) Cover, Spark plug (Use as required)

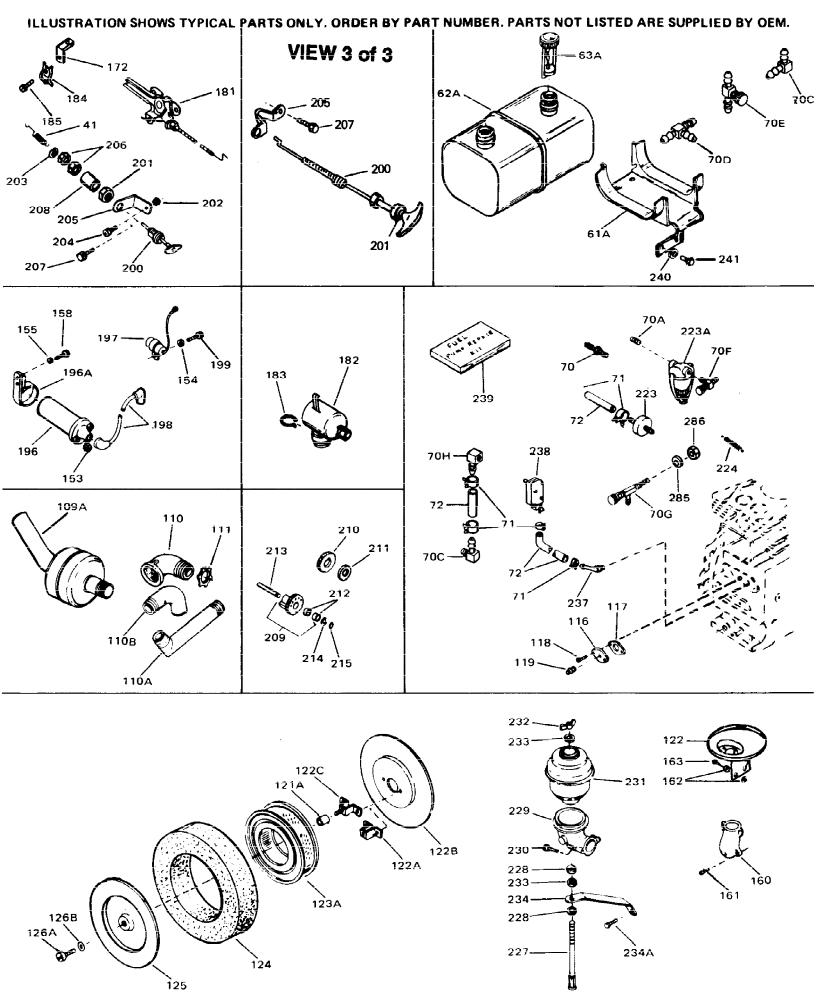
Ref #	Part Number	Qty	Description
176	32426	-	Spacer, Screen
177	650675		Washer, Flat 1/4"
177	8345		Washer, 1/4 plain (Use as required)
178	27070		Washer, Lock 1/4 E.T. (Use as require d)
178	650675		Washer, Flat 1/4 (Use as required)
184	27793		Clip, Conduit
185	28942		Screw, 10-32 x 3/8"
219	32154		Cap, Pipe
220	32438		Nipple, Pipe
246	33776		Screen, Starter pulley
248	650670		Screw, 1/4-20 x 3/4"
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
	610906		Solid State Magneto (Incl.151,173,265,266)(20 Amp)
278	610901		Solid State Flywheel
299B	32730		Decal, Craftsman
299	34346		Decal, Instruction
300A	631021		Inlet Needle, Seat & Clip Assy.
301	631878		Carburetor (Incl. 145) (Refer to Division 5, Section A, page 134 for breakdown)
304	33237A		* Gasket Set (Incl. items marked *)

This illustration may not depict actual equipment and is for reference only! **VIEW 2 of 3** 132 133 175 135 129 262 268 257A 270A 260A 255 235 252





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)
179	33013		Cover, Starter bubble
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)
	610902		Alternator Coil (20 Amp)(Incl.256,257,258)
	650521		Screw, 10-32 x 1-1/8"
256	610905		Terminal
257B	610824		Flat Connector (Female terminals) (As req.)
257	610904		Terminal
258	610903		Connector, Flat
266	610750		Grommet, Lead wire
275	730198		Starter Switch Kit(Incl. 287-298) (As req.)



D-4.4	Dowt Microsland	<u> </u>	Description
	Part Number	Qty	Description
41	31967		Spring, Governor
70G	32961		Valve, Fuel shut-off
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
122B	34071		Bracket, Air cleaner
123A	32008		Element, Air cleaner
124	32906		Element, Pre-Air cleaner
125	32904		Cover, Pre-air cleaner
184	27793		Clip, Conduit
185	28942		Screw, 10-32 x 3/8"
237	32958		Fitting, Fuel
238	32959		Fuel Pump, Impulse
239	33010		Repair Kit, Impulse fuel pump
285	32960		Washer, Lock
286	650849		Nut, Hex jam, 3/8-24