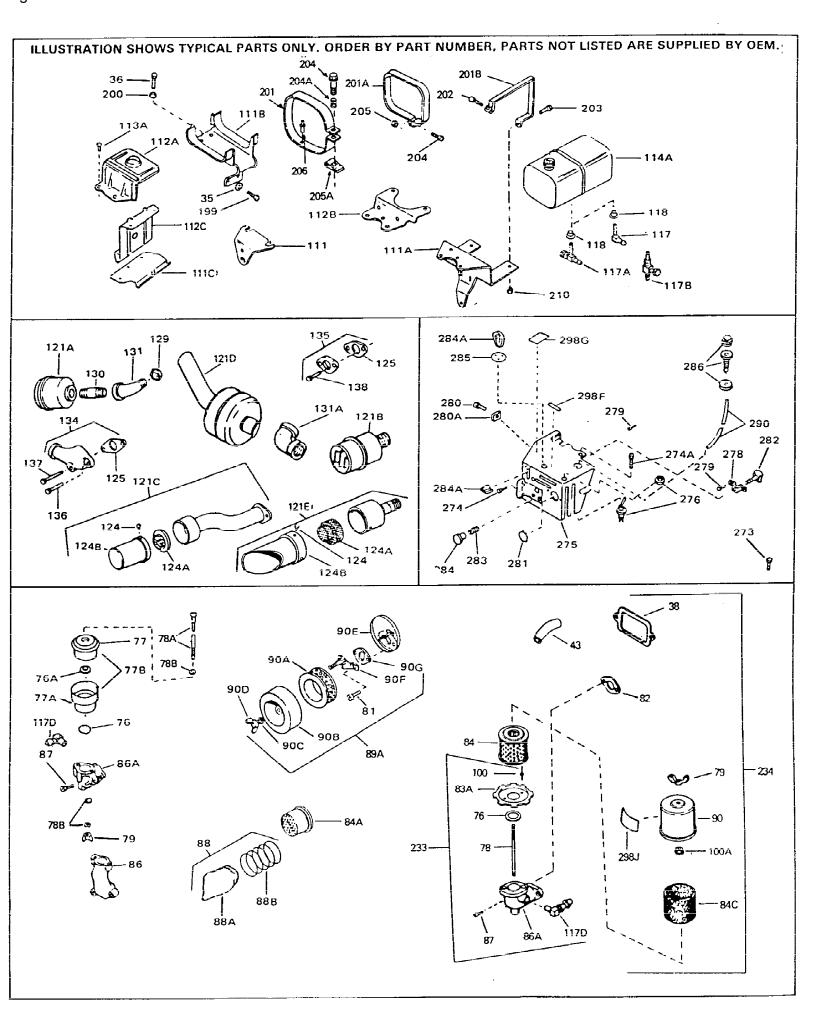


Ref # Part Number	Dof #	Dort Number	Otv.	Description
2 27652 3A 30969 Cap. Oil drain 3 27642 3B 30968 A 27876B A 27876B A 27877A Intake Valve (Id.2" OS) (Incl. 9) 5 27877A Intake Valve (Id.32" OS) (Incl. 9) 6 27878A Exhaust Valve (Id.1) 6 27880A Exhaust Valve (Id.2" OS) (Incl. 9) 7 27882 Cap. Upper valve spring 8 27881 Spring, Valve 9 32581 Cap. Lower valve spring Crankshaft (Incl. 12 & 13) 12 29783 Pin. Crankshaft (Incl. 12 & 13) 13 27884 Gear, Crankshaft (Incl. 12 & 13) Pin. Crankshaft (Incl. 12 & 13) Pin. Crankshaft (Incl. 12 & 13) Pin. Crankshaft. 13 27884 Gear, Crankshaft Used in early production. This gear is serviceable ONLY when it is pinned to the crankshaft. 14 33312B Piston & Pin Ass'y. (J010" OS) (Incl. 16) Piston, Pin & Ring Set (Id.1) (2-5/8" Bore) Piston, Pin & Ring Set (Id.1) (2-5/8" Bore) Piston, Pin & Ring Set (J010" OS) Piston, Pin & Ring Set (J010" OS			Qty	
3 27642 Plug. Oil drain 14-18 3 30969 Cap, Oil drain 19-19. 3 27642 Plug. Oil drain 19-19. 4 27876B Seel. Oil 19-19. 5 27877A Intake Valve (Std.) (Incl. 9) 6 27878A Exhaust Valve (Std.) (Incl. 9) 6 27880A Exhaust Valve (Std.) 7 27882 Cap, Upper valve spring Spring, Valve 29-19. 9 32581 Spring, Valve Cap, Upper valve spring Crankshaft (Incl. 12 & 13) 12 29783 Pin, Crankshaft (Incl. 12 & 13) 13 1856A Crankshaft (Incl. 12 & 13) 14 33312B Piston & Pin Ass'y. (Std.) (2-5/8") (Incl. 16) 14 33313B Piston & Pin Ass'y. (Std.) (2-5/8") (Incl. 16) 14 34531 Piston & Pin Ass'y. (Std.) (2-5/8" Bore) 14 34532 Piston, Pin & Ring Set (Col' O'S) 15 34854 Ring Set (Std.) (2-5/8" Bore) 15 34855 Ring Set (Std.) (2-5/8" Bore) 15 34856 Ring Set (Std.) (2-5/8" Bore) 16 27888 Ring Set (Std.) (2-5/8" Bore) 17 31380C Rod Set (Col' O'S) 18 4 30682 Bolt (Col' O'S) 18 5 30682 Bolt (Col' O'S) 20 28264 Connecting rod (Late production) 20 28264 Connecting rod (Late production) 21 28407 Seal, Oil Connecting rod (Late production) 22 34034 Lifter, Valve Seal, Oil Connecting rod (Late production) 23 31308 Cover, Cylinder (Incl. 24, 27 & 105) 24 28427 Seal, Oil Connecting rod (Late production) 26 30684 Gaster (Col' O'S) 31 30939A Cover, Cylinder (Incl. 24, 27 & 105) 32 60697A Screw, S/16-18 x 2-1/2" (Use as required) 33 650697A Screw, S/16-18 x 2-1/2" (Use as required) 34 650697A Screw, S/16-18 x 2-1/2" (Use as required) 36 650697A Screw, S/16-18 x 2-1/2" (Use as required)				
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38 30968				
4 27876B 5 27877A 1	3	27642		Plug, Oil drain, 1/4-18
5 27877A	3B	30968		Nipple, Oil drain
5 27877A	4	27876B		Seal, Oil
5 27880A Inake Valve (1/32" OS) (Incl. 9) 6 27878A Exhaust Valve (1/32" OS) (Incl. 9) 7 27882 Cap, Upper valve spring 8 27881 Spring, Valve 9 32581 Cap, Lower valve spring 11 31856A Crankshaft (Incl. 12 & 13) 12 29783 Pin, Crankshaft Used in early production. This gear is serviceable ONLY when its pinned to the crankshaft. 13 27884 Gear, Crankshaft Used in early production. This gear is serviceable ONLY when its pinned to the crankshaft. 14A 33312B Piston & Pin Ass'y. (Std.)(2-5/8")(Incl. 16) 14A 33313B Piston & Pin Ass'y. (1010" OS) (Incl. 16) 14A 34531 Piston, Pin & Ring Set (0.00" OS) (Incl. 16) 14 34532 Piston, Pin & Ring Set (0.00" OS) 14 34533 Piston, Pin & Ring Set (0.00" OS) 15 34854 Ring Set (Std.) (2-5/8" Bore) 15 34855 Ring Set (Std.) (2-5/8" Bore) 15 34856 Ring Set (1010" OS) 16 27888 Ring, Piston pin retaining 17 31380C Rod Assy., Connecting rod (Late production) 18 A 30682 Bolt, Connecting rod (Early pro duction) 20 28264 Connecting rod oft washer (Early pro duction) <td>5</td> <td>27877A</td> <td></td> <td></td>	5	27877A		
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14A 33313B				cranksnaft.
14A 33313B	14A	33312B		Piston & Pin Ass'v (Std.)(2-5/8")(In cl.16)
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34 33636 Resistor Spark Plug 35 26073 Washer, Flat (Use as required) 35 650570 Washer, Flat (Use as required) 35 650691 Washer, Flat (Use as required) 36 650697A Screw, 5/16-18 x 2-1/2" (Use as requi red) 36 650695A Screw, 5/16-18 x 2-1/4" (Use as requi red)				•
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36 650695A Screw, 5/16-18 x 2-1/4" (Use as required)				
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36 650694A Screw, 5/16-18 x 2" (Use as required)				
	36	00U094A		ocrew, 5/16-18 x 2" (Use as required)

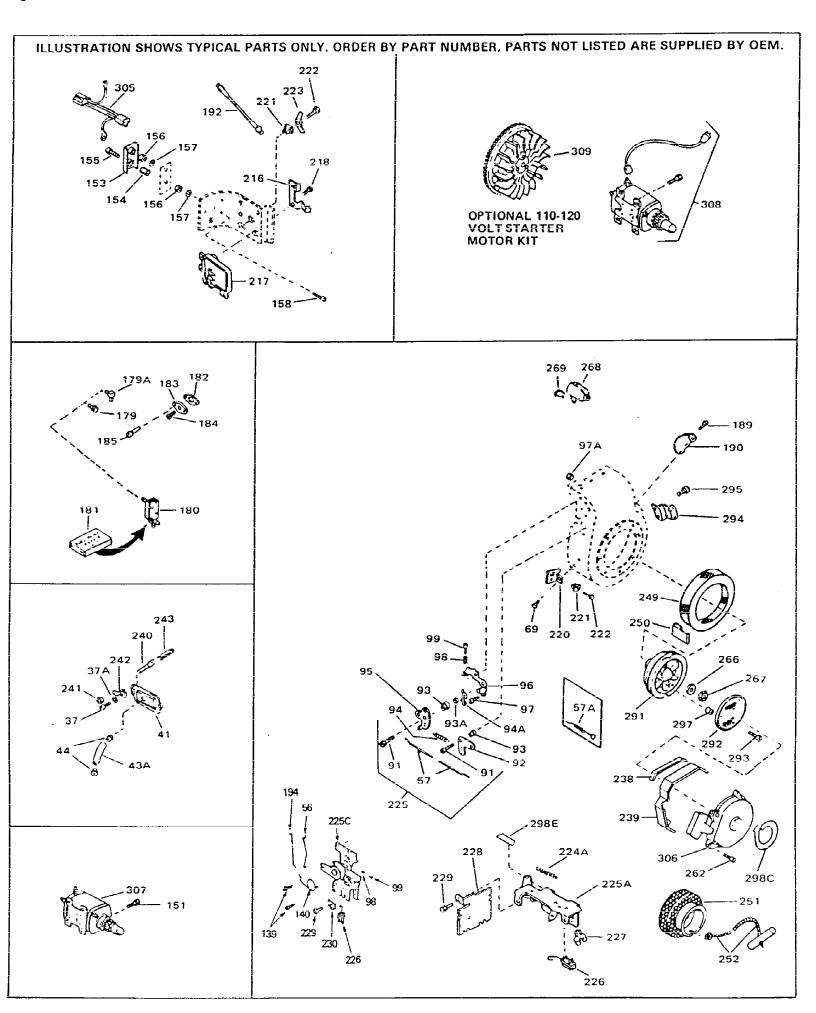
37 37 38 39 40 41 45 46 48 49 50	Part Number 650128 650597 27896A 28423 28424 28425 27915A 30195A 30196 29918 650548 30319 32326A	Qty	Description Screw, 10-24 x 1/2" (Use as required) Screw, 10-24 x 5/8" (Use as required) * Gasket, Breather cover Body, Breather Element, Breather Cover, Valve spring * Gasket, Intake Flange, Carburetor (Incl. 79 & 80) Screw, 5/16-18 x 3/4" Lockwasher Screw, 8-32 x 5/16" Rivet, Split (Used on early production) Lever, Governor (New lever does not need 1 of Ref #49,51,53,54,132,133)
54 55 56 58 59 60 61 62	30322 29916 30205 30824 29216 29752 650572 29826 29642 30699B		Lock Nut, 8-32 (Use as required) Clamp, Governor lever (Use as require d) Bracket, Adjusting Link, Throttle Locknut, 10-32 Nut & Lockwasher, 1/4-28 Screw, 1/4-28 x 1-1/8" Screw, 10-32 x 3/4" Ring, Retaining Rod Assy., Governor (This one piece gov. rod is no longer used. It is replaced by 30699C assy., Ref.#63A)
64 65 66A 68 69 70 71 73 74 75 81 81 81	30699C 30700 650494 31297 29673 29747B 32158E 33876 29536 650561 31688A 30196 28820 650521 27272A 730127		Rod Assy., Governor (Incl. 64 & 65) Yoke, Governor Screw, 6-40 x 5/16" Dipstick (Incl. 68) * Gasket, Dipstick Screw, 5/16-24 x 21/32" Blower Hsg. (For elec.starter)(Incl.1 89,190) Gasket, Stator Baffle, Blower housing Screw, 1/4-20 x 5/8" * Gasket, Carburetor Screw, 5/16-18 x 3/4" (Use as require d) Screw, 10-32 x 1/2" (Use as required) Screw, 10-32 x 1-1/8" (Use as require d) * Gasket, Air cleaner Air Cleaner Ass'y. (Incl. 81,81A,82,83,84,85,90G & 298B) (Use as required)
98	28569		Compression Spring (Used with 29500 screw)(Use as required)
	32924		Compression Spring (Used with 650688 screw) (Use as required)
	31342		Compression Spring (Used with 650549 screw) (Use as required)
99	650549 29500 650688		Screw, 5-40 x 7/16" (Use as required) Screw, 8-32 x 3/4" (Use as required) Screw, 10-32 x 1 (Use as required)

	Part Number	Qty	Description
	30884		Key, Flywheel
	31843A		Bracket, Governor gear
	650836		Screw, 10-24 x 1/2"
105	31845		Shaft, Mechanical governor
106	30590A		Washer, Flat
107	30591		Gear Assy., Governor (Incl. 106)
108	30588A		Spool, Governor
109	29193		Ring, Retaining
113A	650273		Screw, 5/16-18 x 5/8"
113	650561		Screw, 1/4-20 x 5/8"
	33350		Fuel Tank (Incl. 115 & 117A)
	410144B		Fuel Cap (White Plastic)(Standard)(As req.)
	33032		Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile)
•			(Use as required)
115	34210		Fuel Cap (Red Plastic) (Spurt Resistant, High Profile)
			(Use as required)
110	29774		Fuel Line (Braided 8.25") (Use as req uired)
	30705		Fuel Line (Braided 6.25) (Ose as required) Fuel Line (Braided 16") (Use as required)
	30962		Fuel Line (Braided 10) (Use as required) Fuel Line (Braided 32") (Use as required)
			, , , , , , , , , , , , , , , , , , , ,
	26460		Clamp, Fuel line (Use as required)
	32401		Muffler
	27930A		* Gasket, Exhaust
	30196		Screw, 5/16-18 x 3/4"
	26073		Washer, Flat
	650694A		Screw, 5/16-18 x 2"
	650548		Screw, 8-32 x 5/16" (Early production)
	650139		Screw, 8-32 x 1/2" (Early production)
	650542		Screw, 5/16-18 x 3/4"
146	29538		Base, Engine mounting
147	650128		Screw, 10-24 x 1/2"
148	30622A		Extension, Blower housing
186	27275		Clip, Wire (Use as required)
186	29443		Clip, Fuel line (Use as required)
193	610118		Cover, Spark plug
226	610973		Terminal Assy.
	28942		Screw, 10-32 x 3/8"
230	27793		Clip, Conduit
	34131		Ground Wire
	29716		Screw, 1/4-28 x 7/16"
	32125		Cup, Starter
	590417		Screen, Starter cup
	650815		Washer, Belleville
	8116		Nut, Hex
	34346		Decal, Instruction
	550223		Decal, Name
	33310		Decal, 5 HP Mini-Bike (Use as require d)
	31517		• • • • • • • • • • • • • • • • • • • •
			Decal, H.P. (5 H.P.) (Use as required.)
	32173		Decal, H.P. (6 H.P.) (Use as required)
	30547A		Contact Assy., Breaker
	30548B		Condenser
	631021		Inlet Needle, Seat & Clip Assy.
303	631927		Carburetor (Incl. 75 & 301) (Refer to Division 5,
			Section A, page 140 for breakdown)

Ref #	Part Number	Qty	Description
304	610694A		Magneto (w/ring gear for 120 volt sta rter) NOTE: The complete magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as shown in parts list. (Refer to Division 5, Section B, page 24 for breakdown)
306	590473		Rewind Starter (Refer to Division 5, Section C, page 29 for breakdown)
310	33235A		* Gasket Set (Incl. items marked *)



	Part Number	Qty	
	26073		Washer, Flat (Use as required)
	650570		Washer, Flat (Use as required)
	650691		Washer, Flat (Use as required)
	650697A		Screw, 5/16-18 x 2-1/2" (Use as requi red)
	650695A		Screw, 5/16-18 x 2-1/4" (Use as requi red)
36	650694A		Screw, 5/16-18 x 2" (Use as required)
38	27896A		* Gasket, Breather cover
81	30196		Screw, 5/16-18 x 3/4" (Use as require d)
81	28820		Screw, 10-32 x 1/2" (Use as required)
81	650521		Screw, 10-32 x 1-1/8" (Use as require d)
82	27272A		* Gasket, Air cleaner
86A	34697		Air Cleaner Elbow Assy.(Use in 730561 only.)
89A	730128		Air Cleaner Ass'y. (Incl. 82,90A,90B,90D thru 90G,97
			& 298B) (Use as req.)
111A	33353		Bracket, Lower fuel tank
112A	33352A		Bracket, Upper fuel tank
113A	650273		Screw, 5/16-18 x 5/8"
118	33679		Bushing, Fuel fitting
121E	391026		Muffler (Incl. 124, 124A & 124B) (This spark arrester
			mufflercan be used on any model)
124A	33171		Muffler Screen (Use as required)
124B	33185		Cover & Tube, Muffler (Use as require d)
124	650578		Screw, 8-18 x 3/8"
125	27930A		* Gasket, Exhaust
134	31288		Muf.Adapter Kit(Incl.125,136,137)(As req.)
	730130		Muf.Adapter Kit(Incl.125 & 138)(As re quired)
	6021A		Screw, 5/16-18 x 1-1/2" (Use as requi red)
	650697A		Screw, 5/16-18 x 2-1/2" (Use as requi red)
	30196		Screw, 5/16-18 x 3/4" (Use as require d)
233	34819		Air Cleaner Elbow (Incl.44,76,78,83A,86A,100)(Use
			in 730561 ass'y. only)
234	730561		Air Cleaner Kit
			(Incl.38,43,44,76,78,79,82,83A,84,84C,86A,87,90,100A
			(Use only on engines with an externally ventedfully
			adjustable carburetor.)
273	650687		Screw, 10-32 x 5/16" (Use as required)
274A	650765		Screw, 10-32 x 1/2"
274	650257		Screw, 8-32 x 5/16"
275	34217		Cover, Carburetor
278	32398		Bracket, Choke
279	28820		Screw, 10-32 x 1/2"
280	650760		Screw, 8-32 x 3/8"
280A	650764		"U" Clip Nut
281	31291		Plug, Cover
284A	32410		Knob, Speed control
285	34132		Plate, Choke indicator
298G	34414		Decal, "Warning"
	34416		Decal, Choke
	34144		Decal, "Primer"



Ref #	Part Number	Qty	Description
37	650128		Screw, 10-24 x 1/2" (Use as required)
37	650597		Screw, 10-24 x 5/8" (Use as required)
37A	27261		Washer, Flat (Use as required)
	28425		Cover, Valve spring
	35350		Tube, Breather
	30824		Link, Throttle
	29747B		Screw, 5/16-24 x 21/32"
	28569		Compression Spring (Used with 29500 screw)(Use
90	20309		as required)
			as required)
98	32924		Compression Spring (Used with 650688 screw) (Use
			as required)
00	31342		Compression Spring (Used with 650540 serow) (Use
90	31342		Compression Spring (Used with 650549 screw) (Use
			as required)
99	650549		Screw, 5-40 x 7/16" (Use as required)
	29500		Screw, 8-32 x 3/4" (Use as required)
	650688		Screw, 10-32 x 1 (Use as required)
	32683A		Gasket, Fuel pump cover (Use as required)
	32955		Cover, Fuel pump pad (Use as required)
	9556		Plug, Pipe 1/8-27 (Use as required)
	30063		Screw, 1/4-20 x 1/2" (Use as required)
	650736		Screw, 10-16 x 3/8"
	33013		Cover, Starter bubble
	34126		Bracket, Grommet mounting
	28545		Grommet, Plastic
	650760		Screw, 8-32 x 3/8"
224A	30826		Spring, Extension
225	730152		Control Bracket(Incl.91 thru 97)(As r eq.)
225A	33108A		Control Bracket (Incl. 224A & 226)
226	610973		Terminal Assy.
227	33177		Terminal (Use as required)
229	28942		Screw, 10-32 x 3/8"
230	27793		Clip, Conduit
	32576		Seal, Snow guard
	34127		Guard, Starter
	29716		Screw, 1/4-28 x 7/16"
	650815		Washer, Belleville
	8116		Nut, Hex
	33018		Harness Assy., Adapter (Use as requir ed)
	590473		Rewind Starter (Refer to Division 5, Section C, page
300	390473		29 for breakdown)
			29 IOI DIEARGOWII)
308	33328D		Starter Motor Kit (110-120 Volt) NOTE: This 110-120
			volt starter motor kit may have been added to this
			engine. This can be added only if cylinder has drilled
			and tapped starter mounting bosses and a ring gear
			flywheel has been added (see #309). Refer to
			service number stamped on end cap of motor,
•	000444		·
309	30811A		Flywheel (Ring gear flywheel requiredon engines
			using 110-120 volt starter motor kits listed above.)