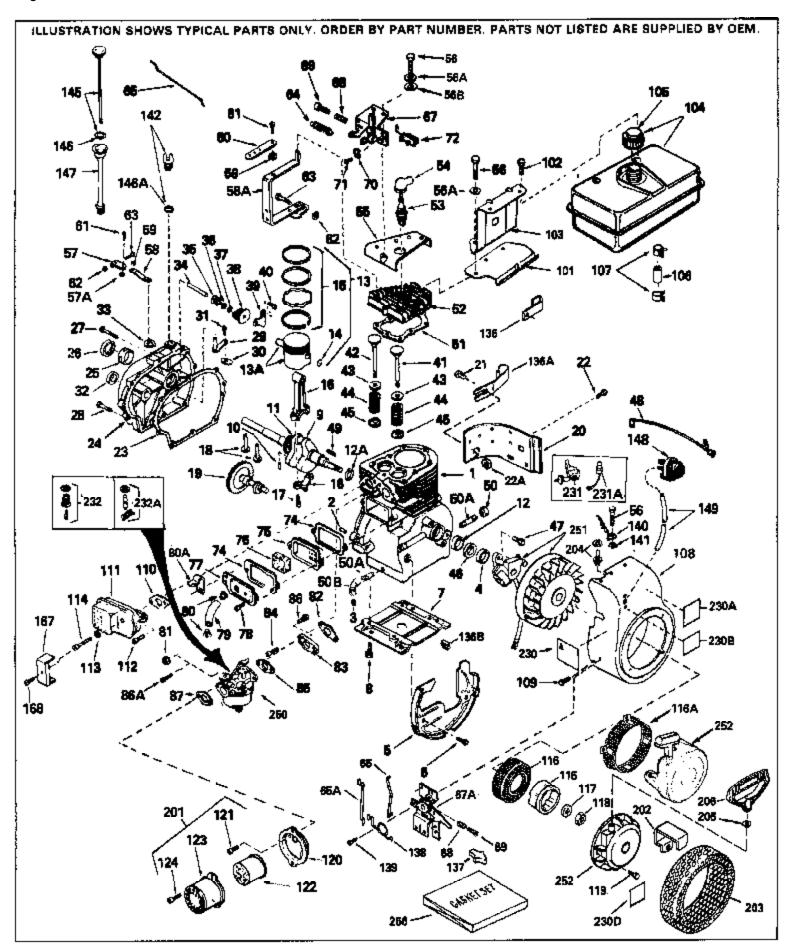
Engine Parts List



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Ref #	Part Number	Qty	Description
1	34919A		Cylinder (Incl. 2,3 & 4) (2-5/8" Bore)
2	27652		Pin, Dowel
	27642		Pipe plug, 1/4-18
	32630		Seal, Oil
	29536		Blower Housing Baffle (Without electric starter knock out)
			(Use as required)
5	35256A		Blower Housing Baffle (With electric starter knockout) (As
			req.)(point ign.)
6	650561		Screw, 1/4-20 x 5/8"
7	29538		Base, Engine mounting
8	650542		Screw, 5/16-18 x 3/4"
9	35188		Crankshaft
10	29783		Pin, Crankshaft gear (Used on early p rod.)
	27884		Gear, Crankshaft (Used on early production) This gear is
			serviceable ONLY when it is pinned to the crankshaft.
13A	33312B		Piston & Pin Ass'y. (Std.)(2-5/8")(In cl.14)
13A	33313B		Piston & Pin Ass'y. (.010" OS) (Incl. 14)
13A	33314B		Piston & Pin Ass'y. (.020" OS) (Incl. 14)
	34531		Piston, Pin & Ring Set (Std.) (2-5/8" Bore)
	34532		Piston, Pin & Ring Set (.010" OS)
	34533		Piston, Pin & Ring Set (.020" OS)
	27888		Ring, Piston pin retaining
	34854		Ring Set (Std.) (2-5/8" Bore)
	34855		Ring Set (.010" OS)
	34856		Ring Set (.020" OS)
	31380C		Rod Assy., Connecting (Incl. 17)
	650662C		Bolt, Connecting rod (Incl. 2 pieces)
	34034		Lifter, Valve
	30622A		Extension, Blower housing
	650128		Screw, 10-24 x 1/2"
	650561		Screw, 1/4-20 x 5/8" (Use as required)
	30063		Screw, 1/4-20 x 1/2" (Use as required)
	30684		Gasket Cylinder Cover
	31303B		Cover, Cylinder (Incl. 26 & 34)
	31546		Bushing, Crankshaft
	28427		Seal, Oil
	650488		Screw, 1/4-20 x 1-1/4"
	650493		Screw, 1/4-20 x 1-3/4"
	30699C		Rod Assy., Governor (Incl. 30 & 31)
	30700		Yoke, Governor
	650494		Screw, 6-40 x 5/16"
	29642		Ring, Retaining
	31845		Shaft, Mechanical governor
	30588A		Spool, Governor
	35479		Washer, Flat
	29193		Ring, Retaining
	30591		Gear Assy., Governor
	31843A		
	650836		Bracket, Governor gear
			Screw, 10-24 x 1/2"
	32783		Intake Valve (Std.)
	32784		Intake Valve (1/32" OS)
	27878A		Exhaust Valve (Std.)
	27880A		Exhaust Valve (1/32" OS)
	27882		Cap, Upper valve spring
	27881		Spring, valve
45	32581		Cap, Lower valve spring
			4

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Ref #	Part Number Qty	Description
	650814	Screw, 10-24 x 1"
	35187	Wire, Ground
	32589	Key, Flywheel
		5 · 5
	28938C	Gasket, Cylinder head
	30938A	Head, Cylinder
	33636	Resistor Spark Plug (RJ-8C)
54	610118	Cover, Spark plug (Use as required)
55	30939A	Cover Assy., Cylinder head
56A	650691	Washer, Flat (Use as required)
	650697A	Screw, 5/16-18 x 2-1/2" (Use as requi red)
	650694A	Screw, 5/16-18 x 2" (Use as required)
	650695A	Screw, 5/16-18 x 2-1/4" (Use as required)
	650690	·
		Washer, Belleville (Use as required)
	30322	Locknut, 8-32
	29916	Clamp, Governor lever (Use as require d)
	33454	Lever Assy., Governor
59	29918	Washer, Lock, No. 8 E.T.
61	650548	Screw, 8-32 x 5/16"
62	29216	Locknut, 10-32
	29826	Screw, 10-32 x 3/4"
	34662	Link, Throttle
	34661	Link, Governor
	35011	Control Bracket (Incl. 68, 69, 72 & 1 38)
	31342	Spring, Compression
	650549	Screw, 5-40 x 7/16"
	27793	Clip, Conduit
71	28942	Screw, 10-32 x 3/8"
72	610973	Terminal Assy. (Use as required)
74	27896A	Gasket, Valve chamber cover
	28423	Breather Assy., Valve
	28424	Element, Breather
	28425	Cover, Valve spring box
	650128	Screw, 10-24 x 1/2"
		,
	35350	Tube, Breather
	32446	Grommet, Breather tube
	27915A	* Gasket, Intake pipe to cylinder
	34712	Flange, Carburetor (Incl. 86A)
84	30196	Screw, 5/16-18 x 3/4"
85	31688A	* Gasket, Carburetor
86A	650517	Screw, 1/4-20 x 13/16"
	27272A	* Air Cleaner Gasket (Use as required)
	30767	Spacer, Cleaner (Use as required)
	34819	Elbow Assy., Air cleaner (Incl. 90,91,92,93,94,96) (Use in
34 /A	34019	730561 assembly only)
404	34158	• • • • • • • • • • • • • • • • • • • •
		Bracket, Fuel tank
	650665	Screw, 1/4-14 x 7/8"
	34159	Plate, Fuel tank mounting
104	34186A	Fuel Tank (Incl. 105 & 107) NOTE: These tanks were built
		with different size fuel inlet openings. Tanks with the 1-3/16"
		I.D. opening use fuel cap 33032 or 34210. Tanks with the
		1-1/2" I.D. opening use fuel cap 35355.
105	410144B	Fuel Cap (White Plastic)(Std.)(As req uired)
105	33032	Fuel Cap (Red Plastic) (Spurt resistant, Low profile) (Use as
		required)
105	34210	Fuel Cap (Red Plastic) (Spurt resistant, High profile) (Use as
.50	- -	required)
		1040001

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Fuel Cap (Red plastic) (Use as required)		Part Number Qty	
106 90962	105	35355	Fuel Cap (Red plastic) (Use as requir ed)
106 90962	106	29774	Fuel Line (Braided, 8 1/4") (Use as r equired)
107 26460 108 32158E 109 32747B 109 27747B 1079300A 11D 279300A 11D 37314 11HE 34390 11H	106	30962	
108 29158E Blower Housing (For electric starter)			
109 29747B 110 27930A 1110 27930A 1110 27930A 1110 27930A 11110 33714 11111 34300 11111 34300 11111 34300 11111 34401 1111 34401 1112 391026 1113 32401 1113 329073 1114 650694A 115 32125 116 35009 117 6506915 117 650615 118 8 116 119 29716 120 31708 1316 Nu, Heave Speed on Heave Speed Speed on Heave Speed on Heave Speed Speed on Heave Speed Speed Speed Speed Speed			
110 27930A			
111D 37714 Opt.Spark Arrest Muf.(incl.112,143,14.4,144A) 111E 34390 Deflector, Exhaust (Optional) 111C 391026 Opt.Spark Arrest Muf.(incl.143,143A,1.43B) 1111 32001 Mufffer 112 30196 Screw, 5/16-18 x 3/4" 113 26073 Washer, Flat 115 32125 Cup, Starter 116 35009 117 650815 Washer, Flat 118 8116 119 29716 Screw, Streen, Starter cup 117 650815 Washer, Belleville 118 116 119 29716 Screw, 14-22 x 7/16" 120 31708 Bracket, Air cleaner 121 28820 Screw, 10-32 x 1/2" 122 30727 Element, Air cleaner 123 31715 Body, Air cleaner 124 650152 Screw, 8-32 x 3/8" 138 34663 Spring, Speed control 139 650821 Screw, 10-32 x 1/2" 143 63185 Cover, 8-18 x 3/8" (Use as required) 144A 333185 Cover, Muffler (Use as required) 144A 33700 Cover & tube, Muffler (Use as required) 144A 33323 Screw, Muffler (Use as required) 145 34122A Deflector, Exhaust 167 34174 Screen, Muffler (Use as required) 167 34174 Deflector, Exhaust 168 650665 Screw, 14-15 x 7/8" 201A 730130 Muffler Adapter Kit (Incl.110,1112)(As req.) 201 730164 Air Cleaner Kit, Mini bike (Incl.87,120,121,122,123,124 & 230)(As req.) 201 730164 Plywheel 208 611084 Plywheel 209 611084 Plywheel 201 650872 Sud, Solid State mounting 211 34443 Silc Plywheel 221 34650868 Screw, 8-18 x 3/8" (Use on Std. Point igni tion) 161, North Adapter Kit (Incl.110,112) (As req.) 201 650872 Sud, Solid State mounting 202 611084 Plywheel 203 611077 Altrogore, Altrograph Corner, A.C. Lighting (Optional)			
Deflector, Exhaust (Optional) 1116 34906 Opt.Spark Arrest Mul.(Incl.143.143A, 1.43B) 1117 39106 Opt.Spark Arrest Mul.(Incl.143.143A, 1.43B) 1118 29073 Opt.Spark Arrest Mul.(Incl.143.143A, 1.43B) 1118 29074 Opt.Spark Arrest Mul.(Incl.143.143A, 1.43B) Opt.Spark Arrest Mul.(Incl.142B, 1.42B, 1.4			
111C 391026 Opt.Spark Arrest Mulf, (Incl. 143, 143A, 1 43B) 111 328073 Mulfiller 112 30196 Screw, 5/16-18 x 3/4" Washer, Flat 114 650694A Screw, 5/16-18 x 2" Cup, Starter 116 35009 Screen, Starter cup 117 650815 Washer, Belleville Nut, Hex 118 8116 119 29716 Screw, 14-28 x 7/16" 120 31708 Bracket, Air cleaner 121 28820 Screw, 10-32 x 1/2" 122 30727 Element, Air cleaner 121 28820 Screw, 10-32 x 1/2" 123 31715 Body, Air cleaner 124 650152 Screw, 3-32 x 3/8" 136 29443 Cip, Ground wire 139 650821 Screw, 10-32 x 1/2" 143 650578 Screw, 19-32 x 1/3" 143B 33185 Cover at both Milfer (Use as required) 144 33700 Cover & tube, Mulffer (Use as required) 144 33323 Screw, Mulfer (Use as required) 147 33961A Oil Fill Tube 147 33961A Oil Fill Tube 147 33961A Oil Fill Tube 201 730164 Air Cleaner Kit, Mini bike (Incl.87,120,121,122,123,124 & 200)(As req.) 208 611084 Physhes 240 611077 Alexand Screw, 1-18 (Screw, 16-14) Screw, 14-15 x 7/8" 2014 3443 Silled Screw, 14-15 x 7/8" 2015 34474 Deflector, Exhaust 2016 730164 Air Cleaner Kit, Mini bike (Incl.87,120,121,122,123,124 & 200)(As req.) 201 730164 Physhes 201 730164 Air Cleaner Kit, Mini bike (Incl.87,120,121,122,123,124 & 200)(As req.) 208 611084 Physhes 209 Stud, Solid State Assy, (Incl. 54) 200 650872 Stud, Solid State Assy, (Incl. 54) 201 650872 Stud, Solid State Assy, (Incl. 54) 202 Cover, 8-18 x 1-1/8" (3 required)(Dpt.) 203 650868 Screw, 8-18 x 1-1/8" (3 required)(Dpt.) 204 611077 Alexand Screw, 8-18 x 1-1/8" (3 required)(Dpt.) 205 61078 Screw, 8-18 x 1-1/8" (3 required)(Dpt.) 206 61078 Screw, 8-18 x 1-1/8" (3 required)(Dpt.) 207 Cover, 8-18 x 1-1/8" (3 required)(Dpt.) 208 620668 Screw, 8-18 x 1-1/8" (3 required)(Dpt.) 209 611078 Cover, 8-18 x 1-1/8" (3 required)(Dpt.) 200 611078 Cover, 8-18 x 1-1/8" (3 required)(Dpt.) 201 730164 Screw, 11-18 x 11-18" (3 required)(Dpt.) 202 611078 Cover, 8-18 x 1-1/8" (3 required)(Dpt.)			
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122 30727 Element, Air cleaner Body, Air cleaner Body, Air cleaner Body, Air cleaner Body, Air cleaner Screw, 8-32 x 3/8" Clip, Ground wire Spring, Speed control Screw, 10-32 x 1/2" Screw, B-18 x 3/8" (Use as required) Cover & tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110, 112) Cover & Tube, Muffler (Use, Air (Incl. 110	120	31708	Bracket, Air cleaner
122 30727 Element, Air cleaner Body, Air cleaner Body, Air cleaner Body, Air cleaner Screw, 8-32 x 3/8" Clip, Ground wire Spring, Speed control Screw, 10-32 x 1/2" Screw, 10-32 x 1/2" 143 650573 Screw, 8-18 x 3/8" (Use as required) Cover & tube, Muffler (Use as require d) Screw, 10-32 x 1/2" Screw, 8-18 x 3/8" (Use as require d) Cover & Tube, Muffler (Use as require d) Cover	121	28820	Screw, 10-32 x 1/2"
123 31715 Body, Air cleaner Screw, 8-32 x 3/8" Clip, Ground wire Spring, Speed control Screw, 8-18 x 3/8" Clip, Ground wire Spring, Speed control Screw, 10-32 x 1/2" Screw, 8-18 x 3/8" (Use as required) Screw, 10-32 x 1/2" Screw, 10-32 x 1/2" Screw, 8-18 x 3/8" (Use as required) Screw, 10-32 x 1/2" Scr			
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Ref #	Part Number Q	ty Description
244	590610 590613 632272	Tube, Centering (Optional) Alternator Shaft (Optional) Carburetor (Incl. 85) (Refer to Division 5, Section A, Page 186 for breakdown)
252	590420A	Rewind Starter (Refer to Division 5, Section C, page 25 for breakdown)
254	33328D	Starter Motor Kit (110-120 volt) This 110-120 volt starter motor kit may have been added to this engine. It can be added only if cylinder hasdrilled and tapped starter mounting bosses and a ring gear flywheel (see#255). Refer to service number stamped on end cap of motor or on decal for identificat
255	30811A	Flywheel (Ring gear flywheel requiredon engines using 110-120 volt starter motor kits listed above) (Used on Std. point ignition before 1982)
255	611042	Flywheel (Ring gear flywheel requiredon engines using 110-120 volt starter motor kits listed above) (Used on Std. point ignition 1982 or later)
255	611085	Flywheel (Minimum ring gear flywheel required on engines using 110-120 volt starter motor kits listed above) (Used on solid state external ignition)
256	33235A	Gasket Set (Incl. items marked*)