

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



Engine Parts List #1

Ref #	Part Number	Qty	Description
	1 34348B		Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
	2 27652		Pin, Dowel
	15A 30700		Yoke, Governor
	15B 650494		Screw, 6-40 x 5/16"
	15 30699C		Rod Assy., Governor (Incl. 15A & 15B)
	16 33454		Governor Lever Assy.
	17 29916		Clamp, Governor lever
	18 650548		Screw, 8-32 x 5/16"
	20 32630		Seal, Oil
	25 35256A		Baffle, Blower housing
	26 650561		Screw, 1/4-20 x 5/8"
	30 34044A		Crankshaft (Incl. 108 & 109)
	32 33628		Washer, Thrust
	35 29826		Screw, 10-32 x 3/4"
	36 29918		Lockwasher, # 8 E.T.
	37 29216		Nut & Lockwasher, 10-32 "Keps"
	37A 30322		Locknut, Hex "Keps", 8-32
	38 29642		Ring, Retaining
	40 34552		Piston, Pin & Ring Set (Std.) (3-1/8")
	40 34553		Piston, Pin & Ring Set (.010" OS)
	40 34554		Piston, Pin & Ring Set (.020" OS)
	41 34329A		Piston & Pin Ass'y.(Std)(Incl.43)(3-1 /8")
	41 34330A		Piston & Pin Ass'y. (.010" OS)(Incl. 43)
	41 34331A		Piston & Pin Ass'y. (.020" OS)(Incl. 43)
	42 34332		Ring Set (Std.) (3-1/8" Bore)
	42 34333		Ring Set (.010" OS)
	42 34334		Ring Set (.020" OS)
	43 27888		Ring, Piston pin retaining
	45 32591C		Rod Assy., Connecting (Incl. 49)
	47 650662C		Bolt, Connecting rod (2 pieces)
	48 34034		Lifter, Valve
	49 34242		Dipper, Oil
	50 34143		Camshaft (MCR)
	60 33273A		Extension, Blower housing
	65 650128		Screw, 10-24 x 1/2"
	69 35262		* Gasket, Cylinder cover
	70 33626B		Cyl. Cover (Incl.71,74,75,80,175,176, 311,312)
	72 27642		Plug, Oil drain
	75 33625		Seal, Oil
	80 31845		Shaft, Mechanical governor
	81 30590A		Washer, Flat
	82 30591		Gear Assy., Governor (Incl. 81)
	83 30588A		Spool, Governor
	84 29193		Ring, Retaining
	86 650833		Screw, 1/4-20 x 1-3/16"
	87 650832		Screw, 1/4-20 x 1-11/16"
	89 32589		Key, Flywheel
	92 650815		Washer, Belleville
	93 8116		Nut, Hex (1/2-20)
	101 610118		Cover, Spark plug (Use as required)
	101A 27276		Cover, Spark plug
	103 650489		Screw, 1/4-20 x 5/8"
	108 29783		Pin, Crankshaft gear
	109 33245		Gear, Crankshaft
	119 34041A		* Gasket, Head
	120 34030A		Head, Cylinder
	125 27878A		Exhaust Valve (Std.) (Incl. 151)
	125 27880A		Exhaust Valve (1/32" OS) (Incl. 151)

Engine Parts List #1

Ref #	Part Number	Qty	Description
	126 34035		Intake Valve (Std.) (Incl. 151)
	126 34036		Intake Valve (1/32" OS) (Incl. 151)
	127A 26073		Washer, Flat (Use as required)
	127A 650570		Washer, Flat (Use as required)
	127 650691		Washer (Use as req., but not w/6021A screw)
	128 650690		Washer, Belleville
	129 650727		Screw, 5/16-18 x 1-3/4" (Use as required)
	130A 6021A		Screw, 5/16-18 x 1-1/2" (Use as required, but do not use with 650691 washer)
	130 650694A		Screw, 5/16-18 x 2" (Use as required)
	131A 650713		Screw, 5/16-18 x 5/8" (Use as required)
	131A 792028		Screw, 5/16-18 x 7/8" (Use as required)
	131 650802		Screw, 1/4-20 x 5/8" (Use as required)
	131 650737		Screw, 1/4-20 x 1/2" (Use as required)
	131 650738		Screw, 1/4-20 x 5/8" (Use as required)
	135 33636		Resistor Spark Plug (RJ17LM)
	139 33369		Bracket, Governor gear
	140 650836		Screw, 10-24 x 1/2"
	149A 35862		Seal Assy., Intake valve
	149 27882		Cap, Upper valve spring
	150 27881		Spring, Valve
	151 32581		Cap, Lower valve spring
	169 27896A		* Gasket, Breather cover
	170 28423		Body, Breather
	171 28424		Element, Breather
	172 28425		Cover, Valve spring
	173 35350		Tube, Breather
	174 650128		Screw, 10-24 x 1/2"
	174 650597		Screw, 10-24 x 5/8"
	178 29752		Nut & Lockwasher, 1/4-28
	179B 30593		Clip, Primer line (Use as required)
	182 30088A		Screw, 1/4-28 x 1"
	184 33263		* Gasket, Carburetor
	185 34707		Pipe, Intake
	206 610973		Terminal Assy. (Use as required)
	223 650378		Screw, Torx T-30, 5/16-18 x 1-1/8"
	224 27915A		* Gasket, Intake pipe
	260 34833B		Blower Housing (For electric starter)
	261 650788		Screw, 5/16-18 x 3/4" (Use as required)
	261 650830		Screw, 5/16-18 x 1-3/16"
	262 29747B		Screw, 5/16-24 x 21/32"
	265 33272B		Cover, Cylinder head
	275 33280A		Muffler
	275C 35824		Muffler (Optional quiet muffler)
	276 31588		Plate, Muffler locking
	277A 650696		Screw, 5/16-18x2-3/4" (Used with 276A)
	277 650729		Screw, 5/16-18 x 3-3/16"
	281 33013		Cover, Starter bubble
	282 650760		Screw, 8-32 x 3/8"
	286B 33662		Hub & Screen Assy., Starter
	287 29752		Nut & Lockwasher, 1/4-28
	290 29774		Fuel Line (Braided 8-1/4")(21 cm)(As req.)
	290 30705		Fuel Line (Braided 16")(41 cm)(Use as req.)
	290 30962		Fuel Line (Braided 32")(81 cm)(Use as req.)
	292 26460		Clamp, Fuel line (Use as required)
	298 650665		Screw, 1/4-15 x 7/8"
	301 410144B		Fuel Cap (White Plastic)(Std)(1-1/2" I.D.)

Ref #	Part Number	Qty	Description
301	33032		Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (1-3/16" I.D.)
301	34210		Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (1-3/16" I.D.)
301	35355		Fuel Cap (Red plastic) (1-1/2" I.D.)
306	29673		* Gasket, Oil fill
310A	35941		Dipstick (Incl. 306)
325	29443		Clip, Fuel line (Use as required)
325	34246		Clip, Ground wire (Use as required)
341	34823		Bracket, Fuel tank mounting
342	30063		Screw, Torx T-30, 1/4-20 x 1/2"
370J	34870		Decal, Instruction Can be used on HM80 with diecast starter.
370	34346		Decal, Instruction
370A	34686		Decal, Name
379	631021		Inlet Needle, Seat & Clip Assy.
380	632351		Carburetor (Incl. 184) (Refer to Division 5, Section A, page 188 for breakdown or Fiche18A-1, Grid F-5)
390	590479		Rewind Starter (Refer to Division 5, Section C, page 30 for breakdown or Fiche 18A-1, Grid G-5)
400	33279G		Gasket Set (Incl. items marked*)
408	35570		Screen Seal (Can be used on HM80 with stamped steel recoil starter)
409	35569		Spacer (Can be used on HM80 with stamped steel recoil starter)
410	730573		Debris Screen Kit (Incl. 360, 370B, 387, 411 & 413) (Can be used on HM80 with stamped steel recoil starter)
411	35568		Debris Screen (Can be used on HM80 with stamped steel recoil starter)
413	650907		Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with stamped steel recoil starter)
420	730225		SAE 30, 4-Cycle Engine Oil (Quart)
421	730226		SAE 5W30, 4-Cycle Engine Oil (Quart)
425	730572		Starter Muff Kit (Incl. 370J, 426 & 4 27) (Can be used on HM80 with die cast starter)
429	650868		Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to Mechanics Handbook for installation instructions).
430	611077		Alternator, Add on (Use as required) (Refer to Mechanics Handbook for installation instructions).
431	590609		Centering tube (Use with engines equipped with die cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions)
431	590610		Centering tube (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611078		A.C. Lighting Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611079		D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).

Ref #	Part Number	Qty	Description
433	590611		Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590636		Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).

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Ref #	Part Number	Qty	Description
23	33627		Bearing, Ball
32	33628		Washer, Thrust
74	31855		Retainer, Bearing
94	33450		Nut Lock, 10-32
95	30886A		Spring, Extension
96	30845A		Bolt, Governor spring adjusting
97			Lockwasher, Heavy split, #10 (Buy locally)
99	32328		Bracket, Speed adjusting (Incl. 94)
131	650802		Screw, 1/4-20 x 5/8" (Use as required)
131	650737		Screw, 1/4-20 x 1/2" (Use as required)
131	650738		Screw, 1/4-20 x 5/8" (Use as required)
133	650890		Washer, Lock, 5/16"
134	30747		Clip, Spark plug shorting
174	650128		Screw, 10-24 x 1/2"
174	650597		Screw, 10-24 x 5/8"
175	650778		Lockwasher
176	650580		Nut, Lock, 10-24
227	730127		Air Cleaner Ass'y. (Incl. 238, 239, 240, 241, 243, 245 & 370) (Use as required)
227	730164		Air Cleaner Ass'y. (Incl. 238, 239, 240, 241, 243 & 245) (Use as required)
228A	650824		Stud, 1/4-20 x 7.33 (Use as required)
228A	650851		Stud, 1/4-20 x 8.1 (Use as required) (Used with drilled thru elbow)
239	27272A		* Gasket, Air cleaner
239	27272A		* Gasket, Air cleaner
241	33266		Bracket, Air cleaner
242	33267		Bracket, Air cleaner
243	28820		Screw, 10-32 x 1/2"
245	33268		Element, Air cleaner
245A	34700		Element, Air cleaner
250B	33269A		Cover, Air cleaner
251	650513		Nut, Wing, 1/2-20
274	35865		Gasket, Exhaust (Use as required)
275C	35824		Muffler (Optional quiet muffler)
275B	391026		Muffler (Incl. 284, 284A & 416A) (This spark arresting muffler can be used on any model.)
277A	650696		Screw, 5/16-18x2-3/4" (Used with 276A)
277	650729		Screw, 5/16-18 x 3-3/16"
292	26460		Clamp, Fuel line (Use as required)
298	650665		Screw, 1/4-15 x 7/8"
369	29683		Fuel strainer & shut-off
370B	34387		Decal, Instruction Can be used on HM80 with stamped steel recoil starter.
370J	34870		Decal, Instruction Can be used on HM80 with diecast starter.
395	33329D		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 has drilled and tapped starter mounting bosses and a ring gear flywheel. Refer to service number stamped on end cap of motor, or on decal for identification. Ref
408	35570		Screen Seal (Can be used on HM80 with stamped steel recoil starter)

Ref #	Part Number	Qty	Description
409	35569		Spacer (Can be used on HM80 with stamped steel recoil starter)
410	730573		Debris Screen Kit (Incl. 360, 370B, 387, 411 & 413) (Can be used on HM80 with stamped steel recoil starter)
411	35568		Debris Screen (Can be used on HM80 with stamped steel recoil starter)
413	650907		Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with stamped steel recoil starter)
415	730130		Exh.Adapter Kit (Incl.274,277)(Use as req.)
425	730572		Starter Muff Kit (Incl. 370J, 426 & 4 27) (Can be used on HM80 with die cast starter)
429	650868		Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to Mechanics Handbook for installation instructions).
430	611077		Alternator, Add on (Use as required) (Refer to Mechanics Handbook for installation instructions).
431	590609		Centering tube (Use with engines equipped with die cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions)
431	590610		Centering tube (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611078		A.C. Lighting Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
432	611079		D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590611		Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590636		Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).

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Ref #	Part Number	Qty	Description
94	33450		Nut Lock, 10-32
103	650489		Screw, 1/4-20 x 5/8"
156	610842		Magneto (Incl. 377 & 378) 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 28 for breakdown or Fiche 18A-1, Grid G-1)
206	610973		Terminal Assy. (Use as required)
207	33878		Link, Governor-to-throttle
260	34833B		Blower Housing (For electric starter)
275C	35824		Muffler (Optional quiet muffler)
277A	650696		Screw, 5/16-18x2-3/4" (Used with 276A)
286B	33662		Hub & Screen Assy., Starter
290	29774		Fuel Line (Braided 8-1/4")(21 cm)(As req.)
290	30705		Fuel Line (Braided 16")(41 cm)(Use as req.)
290	30962		Fuel Line (Braided 32")(81 cm)(Use as req.)
298A	650451		Screw, 1/4-20 x 1"
298B	650456		Nut, Flange whiz lock, 1/4-20
300A	31977		Fuel Tank
301	410144B		Fuel Cap (White Plastic)(Std)(1-1/2" I.D.)
301	33032		Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (1-3/16" I.D.)
301	34210		Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (1-3/16" I.D)
301	35355		Fuel Cap (Red plastic) (1-1/2" I.D.)
313A	33876		Gasket, Stator
339	35038		Spacer, Tank
341	34823		Bracket, Fuel tank mounting
342A	29212		Screw, 1/4-28 x 7/16"
342	30063		Screw, Torx T-30, 1/4-20 x 1/2"
368	31979		Strap, Fuel tank
370J	34870		Decal, Instruction Can be used on HM80 with diecast starter.
370B	34387		Decal, Instruction Can be used on HM80 with stamped steel recoil starter.
377	30547A		Contact Assy., Breaker
378	30548B		Condenser
408	35570		Screen Seal (Can be used on HM80 with stamped steel recoil starter)
409	35569		Spacer (Can be used on HM80 with stamped steel recoil starter)
410	730573		Debris Screen Kit (Incl. 360, 370B, 387, 411 & 413) (Can be used on HM80 with stamped steel recoil starter)
411	35568		Debris Screen (Can be used on HM80 with stamped steel recoil starter)
413	650907		Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with stamped steel recoil starter)
425	730572		Starter Muff Kit (Incl. 370J, 426 & 4 27) (Can be used on HM80 with die cast starter)
429	650868		Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to Mechanics Handbook for installation instructions).
430	611077		Alternator, Add on (Use as required) (Refer to Mechanics Handbook for installation instructions).

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431	590609		Centering tube (Use with engines equipped with die cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions)
431	590610		Centering tube (Use as required) (Refer to Mechanics Handbook for installation instructions).
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432	611079		D.C. Charging Connector (Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590611		Alternator Shaft (4.00") (Use with engines equipped with cast aluminum starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).
433	590636		Alternator Shaft (Use with engines equipped with stamped steel starter)(Use as required) (Refer to Mechanics Handbook for installation instructions).