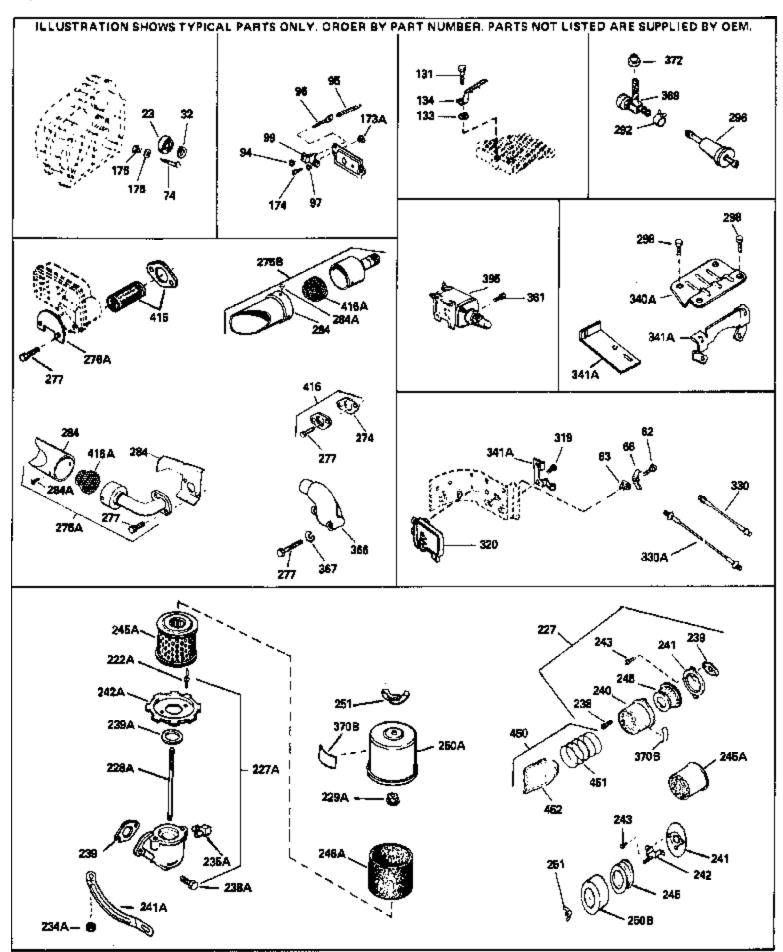


Ref #	Part Number Qty	Description
	34348B	Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
	27652	Pin, Dowel
	650494	Screw, 6-40 x 5/16"
	30699C	Rod Assy., Governor (Incl. 15A & 15B)
		,
	30700	Yoke, Governor
	33454	Governor Lever Assy.
	29916	Clamp, Governor lever
	650548	Screw, 8-32 x 5/16"
	34663	Spring, Speed control
20	32630	Seal, Oil
25	35256A	Baffle, Blower housing
26	650561	Screw, 1/4-20 x 5/8"
	33827A	Crankshaft (Incl. 108 & 109)
	33628	Washer, Thrust
	29826	Screw, 10-32 x 3/4"
	29918	Lockwasher, #8 E.T.
		· ·
	29216	Nut & Lockwasher, 10-32 "Keps"
	30322	Locknut, Hex "Keps", 8-32
	29642	Ring, Retaining
	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)
	34331A	Piston & Pin Ass'y. (.020" OS)(Incl. 43)
	34332	Ring Set (Std.) (3-1/8" Bore)
	34333	Ring Set (.010" OS)
	34334	Ring Set (.020" OS)
	27888	
		Ring, Piston pin retaining
	32591C	Rod Assy., Connecting (Incl. 49)
	650662C	Bolt, Connecting rod (2 pieces)
	34034	Lifter, Valve
	34242	Dipper, Oil
	34143	Camshaft (MCR)
	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)
	27642	Plug, Oil drain
	33625	Seal, Oil
	31845	Shaft, Mechanical governor
	30590A	Washer, Flat
	30591	Gear Assy., Governor (Incl. 81)
	30588A	Spool, Governor
	29193	Ring, Retaining
	650833	Screw, 1/4-20 x 1-3/16"
	650832	Screw, 1/4-20 x 1-11/16"
	32589	Key, Flywheel
92	650815	Washer, Belleville
93	8116	Nut, Hex (1/2-20)
101	610118	Cover, Spark plug (Use as required)
	650516	Screw, 1/4-20 x 1-1/8
	29783	Pin, Crankshaft gear
	33245	Gear, Crankshaft
	34240	Ground Wire
	34041A	
		* Gasket, Head
	34030A	Head, Cylinder
125	27878A	Exhaust Valve (Std.) (Incl. 151)

Dof #	Part Number Q	h. Description
	27880A	ty Description Exhaust Valve (1/32" OS) (Incl. 151)
	34035	Intake Valve (Std.) (Incl. 151)
	34036	Intake Valve (3td.) (Incl. 131) Intake Valve (1/32" OS) (Incl. 151)
	650691	, , , ,
	26073	Washer (Use as req., but not w/6021A screw) Washer, Flat (Use as required)
	650570	, ,
		Washer, Flat (Use as required)
	650690 650727	Washer, Belleville
	650727 6034 A	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 notuse with 650691 washer)
		,
130	650694A	Screw, 5/16-18 x 2" (Use as required)
	650713	Screw, 5/16-18 x 5/8" (Use as require d)
	792028	Screw, 5/16-18 x 7/8" (Use as require d)
	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"
149	27882	Cap, Upper valve spring
149A	35862	Seal Assy., Intake valve
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
	34707	Pipe, Intake
203	31342	Spring, Compression
204	650549	Screw, 5-40 x 7/16"
	610973	Terminal Assy. (Use as required)
	650378	Screw, Torx T-30, 5/16-18 x 1-1/8 "
	27915A	* Gasket, Intake pipe
	33375D	Blower Housing (For electric starter)
	650788	Screw, 5/16-18 x 3/4" (Use as require d)
	29747B	Screw, 5/16-24 x 21/32"
	33272B	Cover, Cylinder head
	33280A	Muffler
	35824	Muffler (Optional quiet muffler)
276	31588	Plate, Muffler locking
	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
	650729	Screw, 5/16-18 x 3-3/16"
	33662	Hub & Screen Assy., Starter
	29752	Nut & Lockwasher, 1/4-28
	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"

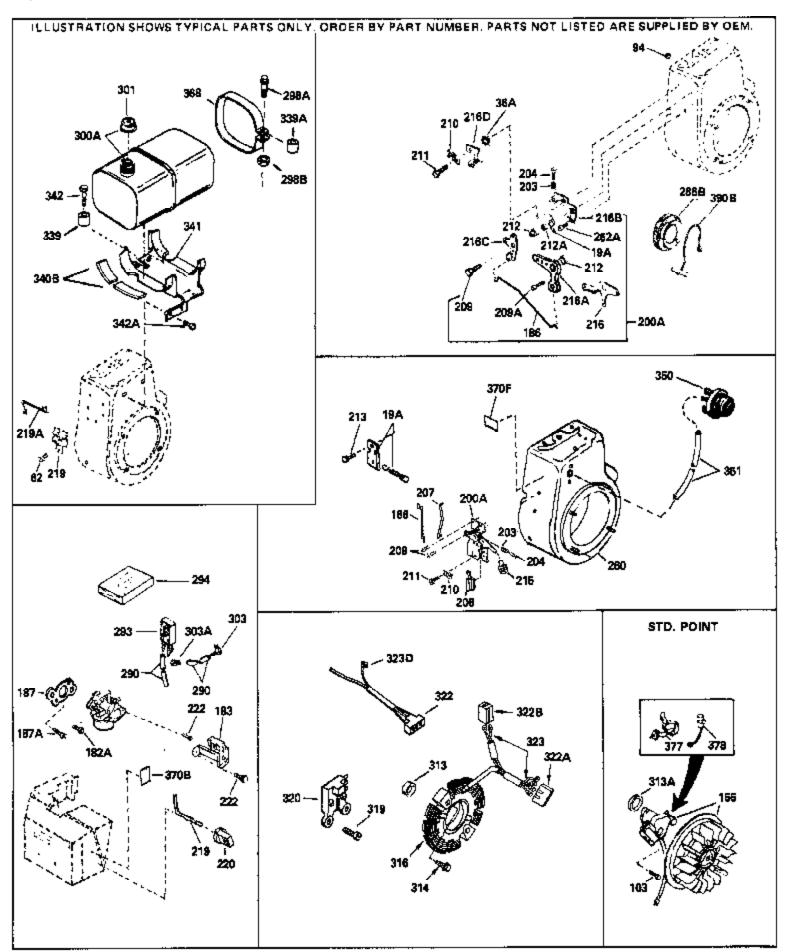
Dof #	Port Number	Ohi	Description
	Part Number	Qty	Description
300	34156A		Fuel Tank (Incl. 292 & 301) NOTE: These tanks were builtwith different size fuel inlet openings. Tanks with the 1-3/16" I.D. opening use fuel cap 34210. Tanks with the 1-1/2" I.D. opening use fuel cap 35355.
301	410144B		Fuel Cap (White Plastic)(Std)(1-1/2" I.D.)
	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.)
	29673		* Gasket, Oil fill
	31297		Dipstick (Incl. 306)
	32765		Clamp, Blower housing extension
	29443		Clip, Fuel line (Use as required)
	34246		Clip, Ground wire (Use as required)
	34154		Plate, Fuel tank mounting
	34155		Bracket, Fuel tank mounting
	650561		Screw, 1/4-20 x 5/8"
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.
	632351		Carburetor (Incl. 184) (Refer to Division 5, Section A, page
	33_33 .		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)
	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)
	730226		SAE 5W30, 4-Cycle Engine Oil (Quart)
	730572		Starter Muff Kit (Incl. 370J, 426 & 427) (Can be used on
423	130312		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).

Ref # Part Number	Qty Description
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).



	Part Number	<u>∩</u> +,	Description
		Ųιy	Description Regring Pall
	33627		Bearing, Ball
	33628		Washer, Thrust
74	31855		Retainer, Bearing
97			Lockwasher, Heavy split, #10 (Buy loc ally)
	650802		Screw, 1/4-20 x 5/8" (Use as required)
	650737		Screw, 1/4-20 x 1/2" (Use as required)
	650738		Screw, 1/4-20 x 5/8" (Use as required)
	650128		Screw, 10-24 x 1/2"
	650597		Screw, 10-24 x 5/8"
175	650778		Lockwasher
176	650580		Nut, Lock, 10-24
	730127		Air Cleaner Ass'y. (Incl.238,239,240,241,243,245 & 370)
			(Use as required)
			(Obe de 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
	33267		Bracket, Air cleaner
	28820		Screw, 10-32 x 1/2"
	33268		Element, Air cleaner
	34700		Element, Air cleaner
250B	33269A		Cover, Air cleaner
251	650513		Nut, Wing, 1/2-20
274	35865		Gasket, Exhaust (Use as required)
	35824		Muffler (Optional quiet muffler)
	391026		Muffler (Incl. 284, 284A & 416A) (This spark arresting muffler
2195	331020		
			can be used on any model.)
277A	650696		Screw, 5/16-18x2-3/4" (Used with 276A)
	650729		Screw, 5/16-18 x 3-3/16"
	26460		Clamp, Fuel line (Use as required)
	650665		Screw, 1/4-15 x 7/8"
	28820		Screw, 10-32 x 1/2"
	32765		Clamp, Blower housing extension
320	610938		Regulator, Rectifier (7 Amp)
361	30063		Screw, Torx T-30, 1/4-20 x 1/2"
	35857		Valve, Fuel shut-off
	34870		Decal, Instruction Can be used on HM80 with diecast starter.
3/05	34387		Decal, Instruction Can be used on HM80 with stamped steel
			recoil starter.
305	35763A		Electric Starter Motor (12 Volt) (Refer to service number
333	331 00A		
			stamped on end cap of motor, or on decal for identification.
			Refer to Division 5, Section D, Page 20 for breakdown or
			Fiche 18A-1, Grids G-9, G-10 or G-11)
205	22220D		Ctortor Motor Vit (110, 100 \ /olf\ This 110, 100 \ olf of order
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 hasdrilled 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
			1 101

Ref #	Part Number	Qty	Description
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)
	730130 730572		Exh.Adapter Kit (Incl.274,277)(Use as req.) Starter Muff Kit (Incl. 370J, 426 & 427) (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).



		tty Description
	650516 610979	Screw, 1/4-20 x 1-1/8 Magneto (w/ring gear) (12 Volt, 7 Amp) 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 36 for breakdown or Fiche 18A-1, Grid G
200A 203 204 206 207 209 215 260 275C 277A 286B 290 290 290	34661 34677 31342 650549 610973 33878 650821 32410 33375D 35824 650696 33662 29774 30705 30962 410144B 33032	Link, Governor Control Bracket (Incl.19,19A,203,204, 206,209) Spring, Compression Screw, 5-40 x 7/16" Terminal Assy. (Use as required) Link, Governor-to-throttle Screw, 10-32 x 1/2" Knob, Control Blower Housing (For electric starter) Muffler (Optional quiet muffler) Screw, 5/16-18x2-3/4" (Used with 276A) Hub & Screen Assy., Starter Fuel Line (Braided 8-1/4")(21 cm)(As req.) Fuel Line (Braided 16")(41 cm)(Use as req.) Fuel Line (Braided 32")(81 cm)(Use as req.) Fuel Cap (White Plastic)(Std)(1-1/2" I.D.) 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)
313A 319 320A 320 339 341 342 370J 370F	35355 33876 28820 32765 610938 35038 34155 650561 34870 33962 34387	Fuel Cap (Red plastic) (1-1/2" I.D.) Gasket, Stator Screw, 10-32 x 1/2" Clamp, Blower housing extension Regulator, Rectifier (7 Amp) Spacer, Tank Bracket, Fuel tank mounting Screw, 1/4-20 x 5/8" Decal, Instruction Can be used on HM80 with diecast starter. Decal, Control Decal, Instruction Can be used on HM80 with stamped steel recoil starter.
378	30547A 610767A 35570	Contact Assy., Breaker Condenser 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, $5/16-18 \times 1-5/8$ " (Can be used on HM80 with stamped steel recoil starter)
425	730572	Starter Muff Kit (Incl. 370J, 426 & 427) (Can be used on HM80 with die cast starter)

Ref #	Part Number Q	y Description
	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).