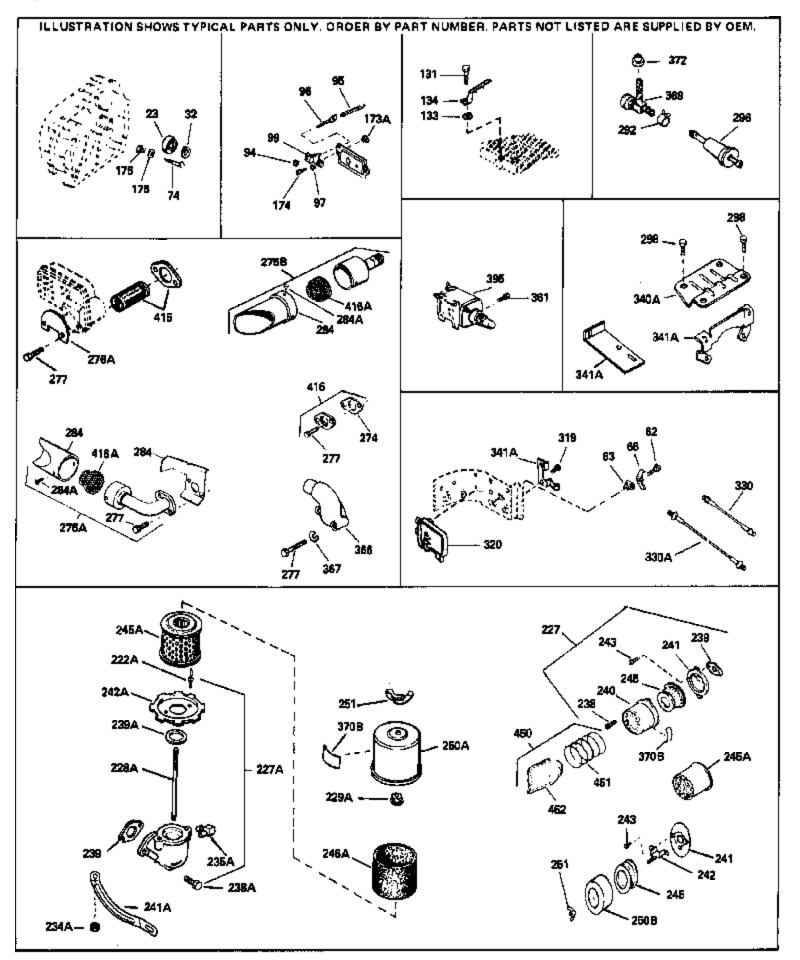


		Aty Description
1	34348B	Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
2	27652	Pin, Dowel
15A	30700	Yoke, Governor
	650494	Screw, 6-40 x 5/16"
	30699C	Rod Assy., Governor (Incl. 15A & 15B)
	33454	Governor Lever Assy.
	29916	Clamp, Governor lever
	650548	Screw, 8-32 x 5/16"
	33374	Spring, Governor extension
20	32630	Seal, Oil
25	35256A	Baffle, Blower housing
26	650561	Screw, 1/4-20 x 5/8"
	33365B	Crankshaft (Incl. 108 & 109)
	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)
	34329A	Piston & Pin Ass'y.(Std)(Incl.43)(3-1 /8")
	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)
43	27888	Ring, Piston pin retaining
45	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
	650128	Screw, 10-24 x 1/2"
69	35262	* Gasket, Cylinder cover
70	33367B	Cylinder Cover (Incl. 71, 75, 80, 311 & 312)
71	33368	Bushing, Crankshaft
	27642	Plug, Oil drain
	31950	Seal, Oil
	31845	Shaft, Mechanical governor
		•
	30590A	Washer, Flat
	30591	Gear Assy., Governor (Incl. 81)
	30588A	Spool, Governor
	29193	Ring, Retaining
86	650833	Screw, 1/4-20 x 1-3/16"
	650832	Screw, 1/4-20 x 1-11/16"
	32589	Key, Flywheel
	650815	Washer, Belleville
	8116	Nut, Hex (1/2-20)
	610118	Cover, Spark plug (Use as required)
	29783	Pin, Crankshaft gear
109	33245	Gear, Crankshaft
	34235	Ground Wire
110		* Gasket, Head
	34041A	
119	34041A 34030A	
119 120	34030A	Head, Cylinder
119 120 125		

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)
130 650694A	Screw, 5/16-18 x 2" (Use as required)
130A 6021A	Screw, 5/16-18 x 1-1/2" (Use as required, but do notuse with
	650691 washer)
131A 650713	Screw, 5/16-18 x 5/8" (Use as require d)
131A 792028	Screw, 5/16-18 x 7/8" (Use as require d)
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"
149 27882	Cap, Upper valve spring
149A 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 33877	Pipe, Intake
200 33461A	Control Bracket (Incl. 19, 19A, 203 & 204)
203 31342	Spring, Compression
204 650549	Screw, 5-40 x 7/16"
206 610973	Terminal Assy. (Use as required)
210 27793	Clip, Conduit
211 28942	Screw, 10-32 x 3/8"
223 650378	Screw, Torx T-30, 5/16-18 x 1-1/8 "
223 050378 224 27915A	
	* Gasket, Intake pipe Player Hausing (For electric starter)
260 33375D	Blower Housing (For electric starter)
261 650788	Screw, $5/16-18 \times 3/4$ " (Use as require d)
262 29747B	Screw, 5/16-24 x 21/32"
265 33272B	Cover, Cylinder head
275 33756A	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 2865 23663	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.)

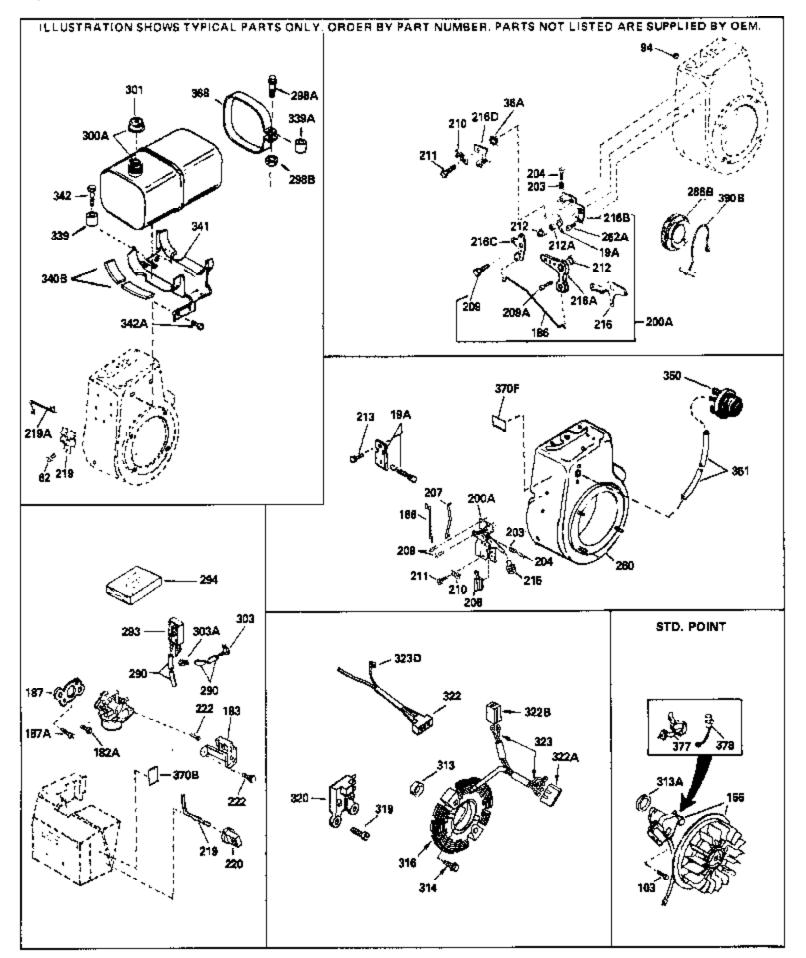
		ty Description
	30962	Fuel Line (Braided 32")(81 cm)(Use as req.)
292	26460	Clamp, Fuel line (Use as required)
298	650665	Screw, 1/4-15 x 7/8"
300	34156A	Fuel Tank (Incl. 292 & 301) NOTE: These tanks were builtwith different size fuel inlet openings. Tanks with the 1-3/16" I.D. opening use fuel cap 34210. Tanks with the 1-1/2" I.D. opening use fuel cap 35355.
	410144B 33032	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)
301	35355	Fuel Cap (Red plastic) (1-1/2" I.D.)
	29673	* Gasket, Oil fill
310	31297	Dipstick (Incl. 306)
	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"
	34870	Decal, Instruction Can be used on HM80 with diecast starter.
	34346	Decal, Instruction
	631021	Inlet Needle, Seat & Clip Assy.
380	631979	Carburetor (Incl. 184) (Refer to Division 5, Section A, page 150 for breakdown or Fiche18A-1, Grid E-7)
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*)
	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 & 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)

Ref #	Part Number	Qty Description
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).



		Description
	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"
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)
	650851	Stud, 1/4-20 x 8.1 (Use as required) (Used with drilled thru elbow)
239	27272A	* Gasket, Air cleaner
	27272A	* Gasket, Air cleaner
	33266	Bracket, Air cleaner
	33267	Bracket, Air cleaner
243	28820	Screw, 10-32 x 1/2"
	34700	Element, Air cleaner
	33268	Element, Air cleaner
	33269A	Cover, Air cleaner
	650513	Nut, Wing, 1/2-20
	35865	Gasket, Exhaust (Use as required)
	35824	Muffler (Optional quiet muffler)
	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)
	650729	Screw, 5/16-18 x 3-3/16"
	26460	Clamp, Fuel line (Use as required)
	650665	Screw, 1/4-15 x 7/8"
	34870	Decal, Instruction Can be used on HM80 with diecast starter.
	34387	Decal, Instruction Can be used on HM80 with stamped steel recoil 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 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
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)
415	730130	Exh.Adapter Kit (Incl.274,277)(Use as req.)

Ref #	Part Number	Qty Description
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).



		y Description
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)
203 204 206 207 210 211 260 275C 277A 286B 290 290 290 290 301	33371 31342 650549 610973 33878 27793 28942 33375D 35824 650696 33662 29774 30705 30962 410144B 33032	Link, Governor Spring, Compression Screw, 5-40 x 7/16" Terminal Assy. (Use as required) Link, Governor-to-throttle Clip, Conduit Screw, 10-32 x 3/8" 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 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 339 341 342 370J	35355 33876 35038 34155 650561 34870 34387	Fuel Cap (Red plastic) (1-1/2" I.D.) Gasket, Stator Spacer, Tank Bracket, Fuel tank mounting Screw, 1/4-20 x 5/8" Decal, Instruction Can be used on HM80 with diecast starter. Decal, Instruction Can be used on HM80 with stamped steel recoil starter.
378	30547A 30548B 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 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).

Ref #	Part Number	Qty Description
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).