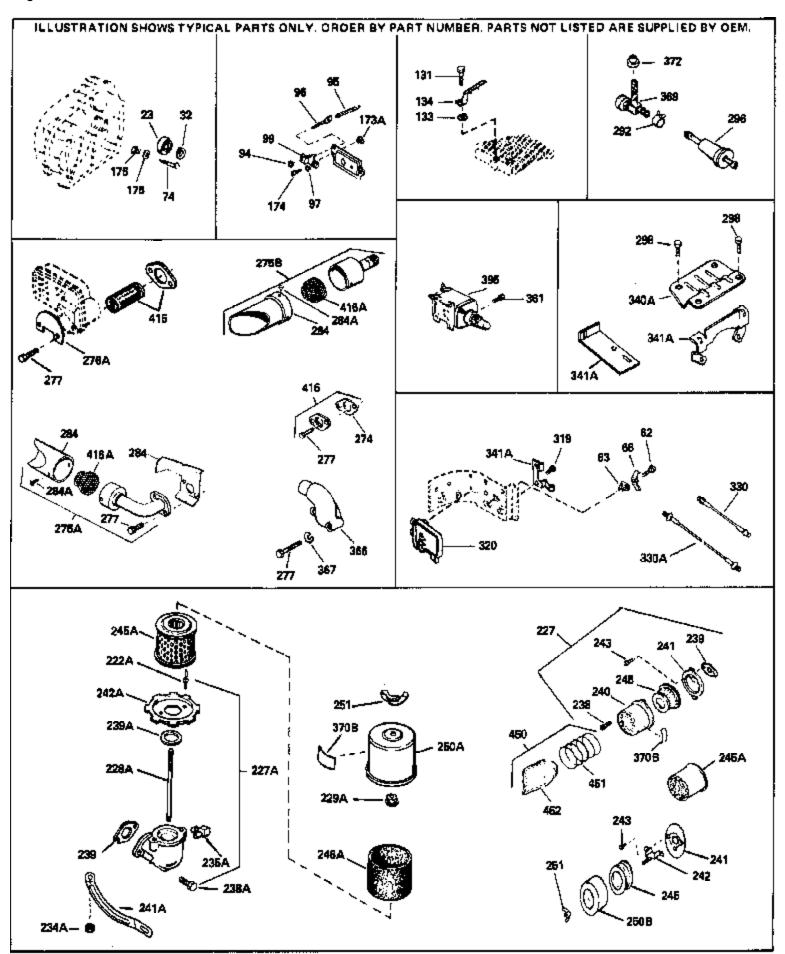


Ref#	Part Number Qty	Description
1	34348B	Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
2	27652	Pin, Dowel
15B	650494	Screw, 6-40 x 5/16"
	30700	Yoke, Governor
	30699C	Rod Assy., Governor (Incl. 15A & 15B)
	33454	Governor Lever Assy.
	29916	Clamp, Governor lever
	650548	Screw, 8-32 x 5/16"
	33578	Spring, Governor
	32630	Seal, Oil
	35256A	·
	650561	Baffle, Blower housing
	33624A	Screw, 1/4-20 x 5/8" Cropkobatt (Incl. 108 & 100)
		Crankshaft (Incl. 108 & 109)
	33628	Washer, Thrust
	29826	Screw, 10-32 x 3/4"
	29918	Lockwasher, # 8 E.T.
	30322	Locknut, Hex "Keps", 8-32
	29216	Nut & Lockwasher, 10-32 "Keps"
	29642	Ring, Retaining
	34552	Piston, Pin & Ring Set (Std.) (3-1/8")
	34553	Piston, Pin & Ring Set (.010" OS)
	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)
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
	650760	Screw, 8-32 x 3/8"
	28545	Grommet, Plastic
	650128	Screw, 10-24 x 1/2"
	35262	* Gasket, Cylinder cover
	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	
	32589	Screw, 1/4-20 x 1-11/16"
		Key, Flywheel
	650815	Washer, Belleville
	8116	Nut, Hex (1/2-20)
	610118	Cover, Spark plug (Use as required)
	650516	Screw, 1/4-20 x 1-1/8
	29783	Pin, Crankshaft gear
	33245	Gear, Crankshaft
	30831	Ground Wire
119	34041A	* Gasket, Head

	D	
		ty Description
	34030A	Head, Cylinder
	27878A	Exhaust Valve (Std.) (Incl. 151)
125	27880A	Exhaust Valve (1/32" OS) (Incl. 151)
126	34035	Intake Valve (Std.) (Incl. 151)
126	34036	Intake Valve (1/32" OS) (Incl. 151)
127A	26073	Washer, Flat (Use as required)
	650570	Washer, Flat (Use as required)
	650691	Washer (Use as req., but not w/6021A screw)
	650690	Washer, Belleville
	650727	Screw, 5/16-18 x 1-3/4" (Use as requi red)
	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)
	792028	Screw, 5/16-18 x 7/8" (Use as require d)
	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)
	33636	· · · · · · · · · · · · · · · · · · ·
		Resistor Spark Plug (RJ17LM)
	33369	Bracket, Governor gear
	650836	Screw, 10-24 x 1/2"
	27882	Cap, Upper valve spring
	27882	Cap, Upper valve spring
	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
	35350	Tube, Breather
	650128	Screw, 10-24 x 1/2"
	650597	Screw, 10-24 x 5/8"
	30593	Clip, Primer line (Use as required)
	33263	* Gasket, Carburetor
	32924	
		Spring, Compression
	650688	Screw, 10-32 x 1"
	610973	Terminal Assy. (Use as required)
	27793	Clip, Conduit
	28942	Screw, 10-32 x 3/8"
	28820	Screw
	27915A	* Gasket, Intake pipe
	33375D	Blower Housing (For electric starter)
261	650788	Screw, 5/16-18 x 3/4" (Use as require d)
262	29747B	Screw, 5/16-24 x 21/32"
265	33272B	Cover, Cylinder head
275C	35824	Muffler (Optional quiet muffler)
	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
	30196	Screw, 5/16-18 x 3/4"
	33662	Hub & Screen Assy., Starter
	29752	Nut & Lockwasher, 1/4-28
	29774	Fuel Line (Braided 8-1/4")(21 cm)(As req.)
	30705	Fuel Line (Braided 16")(41 cm)(Use as req.)
	30962	Fuel Line (Braided 32")(81 cm)(Use as req.)
	26460	Clamp, Fuel line (Use as required)
298	650665	Screw, 1/4-15 x 7/8"

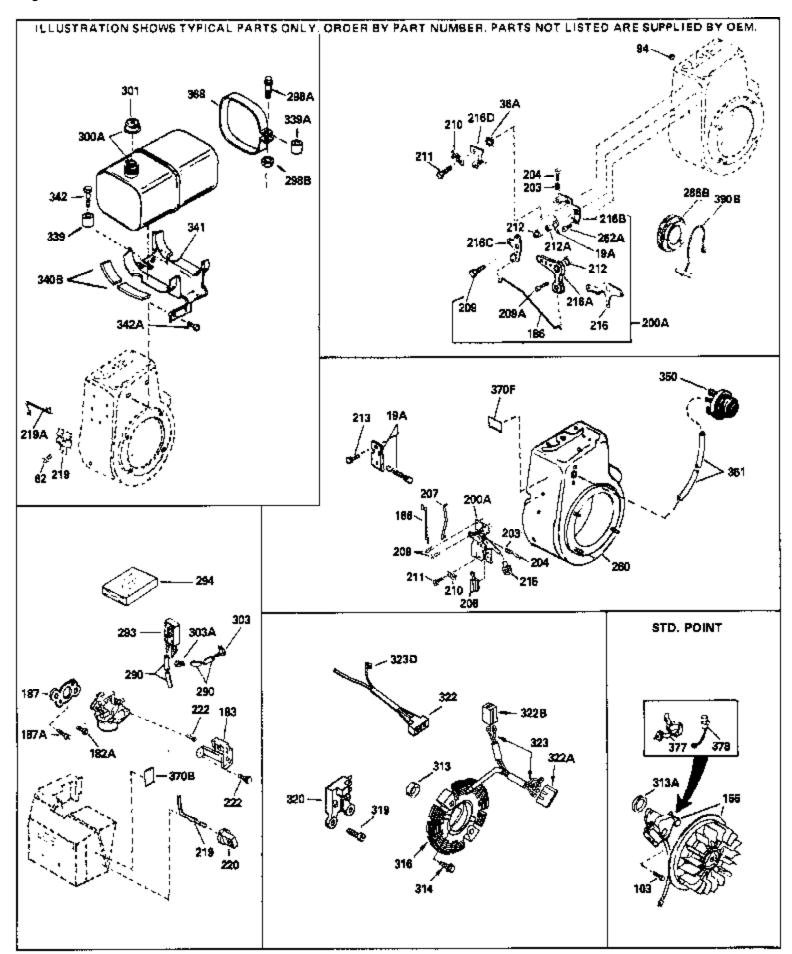
Ref #	Part Number	Qty Description
	34156A	Fuel Tank (Incl. 292 & 301) NOTE: These tanks were builtwith different size fuel inlet openings. Tanks with the 1-3/16" I.D. opening use fuel cap 34210. Tanks with the 1-1/2" I.D. opening use fuel cap 35355.
	410144B 33032	Fuel Cap (White Plastic)(Std)(1-1/2" 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)
306 310 310A 320A 325 325 340 341 342 370J 370A 370 379	35355 29673 31297 35941 32765 29443 34246 34154 34155 650561 34870 550223 34346 631725 632048	Fuel Cap (Red plastic) (1-1/2" I.D.) * Gasket, Oil fill Dipstick (Incl. 306) Dipstick (Incl. 306) Clamp, Blower housing extension Clip, Fuel line (Use as required) Clip, Ground wire (Use as required) Plate, Fuel tank mounting Bracket, Fuel tank mounting Bracket, Fuel tank mounting Screw, 1/4-20 x 5/8" Decal, Instruction Can be used on HM80 with diecast starter. Decal, Name Decal, Instruction Inlet Needle, Seat & Clip Assy. Carburetor (Incl. 184) (Refer to Division 5, Section A, page 164 for breakdown or Fiche18A-1, Grid E-11)
390	590479	Rewind Starter (Refer to Division 5, Section C, page 30 for breakdown or Fiche 18A-1, Grid G-5)
	33279G 35570	Gasket Set (Incl. items marked*) 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)
421	730225 730226 730572	SAE 30, 4-Cycle Engine Oil (Quart) SAE 5W30, 4-Cycle Engine Oil (Quart) 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)

Ref #	Part Number C	Oty 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).



Def #	Deat Ni well on	O+ -	Description
		Qty	Description Pall
	33627		Bearing, Ball
	33628		Washer, Thrust
	650760		Screw, 8-32 x 3/8"
	28545		Grommet, Plastic
	33356		Terminal, Ground
74	31855		Retainer, Bearing
97			Lockwasher, Heavy split, #10 (Buy loc ally)
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)
	650128		Screw, 10-24 x 1/2"
	650597		Screw, 10-24 x 5/8"
	650778		Lockwasher
	650580		Nut, Lock, 10-24
	730127		Air Cleaner Ass'y. (Incl.238,239,240,241,243,245 & 370)
221	130121		(Use as required)
			(Ose as required)
227	730164		Air Cleaner Ass'y. (Incl. 238, 239, 240, 241, 243 & 245) (Use
			as required)
0004	050004		• ,
	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
	27272A		* Gasket, Air cleaner
	33266		Bracket, Air cleaner
	33267		Bracket, Air cleaner
	28820		Screw, 10-32 x 1/2"
	33268		
			Element, Air cleaner
	34700		Element, Air cleaner
	33269A		Cover, Air cleaner
	650513		Nut, Wing, 1/2-20
	35865		Gasket, Exhaust (Use as required)
	33714		Muffler (Incl. 284, 284A & 416A)
	35824		Muffler (Optional quiet muffler)
275B	391026		Muffler (Incl. 284, 284A & 416A) (This spark arresting muffler
			can be used on any model.)
277	30196		Screw, 5/16-18 x 3/4"
	650696		Screw, 5/16-18x2-3/4" (Used with 276A)
	33700		Cover & Tube, Muffler
	34390		Deflector, Exhaust
	650578		Screw, 8-18 x 3/8"
			,
	26460		Clamp, Fuel line (Use as required)
	650665		Screw, 1/4-15 x 7/8"
	28820		Screw, 10-32 x 1/2"
	610938		Regulator, Rectifier (7 Amp)
	32765		Clamp, Blower housing extension
	30063		Screw, Torx T-30, 1/4-20 x 1/2"
	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.
395	35763A		Electric Starter Motor (12 Volt) (Refer to service number 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)

Ref #	Part Number	Qty	Description
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)
	730130		Exh.Adapter Kit (Incl.274,277)(Use as req.)
	33323		Screen, Muffler
425	730572		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).



Ref #	Part Number Qty	Description
	32977	Spring, Torsion
	650760	Screw, 8-32 x 3/8"
	650516	Screw, 1/4-20 x 1-1/8
156	610979	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
	650517	Screw, 1/4-20 x 27/32"
	33372	Link, Governor lever-to-bellcrank
	34349A	Flange, Carburetor mounting
	30196	Screw, 5/16-18 x 3/4"
200A	730152	Control Bracket (Incl. 19, 19A, 209A, 212, 212A, 216A,
		216B, 216C & 262A)
	32924	Spring, Compression
	650688	Screw, 10-32 x 1"
	610973	Terminal Assy. (Use as required)
	34350	Link, Governor-to-throttle
	30312	Screw, 10-32 x 1/2"
	27793	Clip, Conduit
	28942	Screw, 10-32 x 3/8"
	28820 29530	Screw Bushing, Bellcrank lever
	28562	Bushing, RM. adjusting lever
	34351	Lever, Bellcrank
	34352	Bracket, Idle adjust
	30201A	Lever, Speed control
	30199A	Bracket, Speed adjusting (Incl.100 & 324)
	33375D	Blower Housing (For electric starter)
262A	650399	Screw, 10-32 x 5/8"
	35824	Muffler (Optional quiet muffler)
	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
	33662	Hub & Screen Assy., Starter
	29774	Fuel Line (Braided 8-1/4")(21 cm)(As req.)
	30705	Fuel Line (Braided 16")(41 cm)(Use as req.)
	30962	Fuel Line (Braided 32")(81 cm)(Use as req.)
	35813 33010	Fuel pump, Impulse Repair Kit, Fuel pump
	410144B	Fuel Cap (White Plastic)(Std)(1-1/2" I.D.)
	33032	Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (1-3/16"
001	00002	I.D.)
201	34210	Fuel Cap (Red Plastic) (Spurt Resistant, High Profile)
301	34210	(1-3/16" I.D)
204	25255	
	35355	Fuel Cap (Red plastic) (1-1/2" I.D.)
	34237 33713	Fitting, Fuel Fitting, Elbow
	33876	Gasket, Stator
	28820	Screw, 10-32 x 1/2"
	610938	Regulator, Rectifier (7 Amp)
	32765	Clamp, Blower housing extension
	35038	Spacer, Tank
	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.

Ref #	Part Number	Qty	Description
370B	34387	_	Decal, Instruction Can be used on HM80 with stamped steel recoil starter.
	30547A		Contact Assy., Breaker
	610767A		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 & 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).