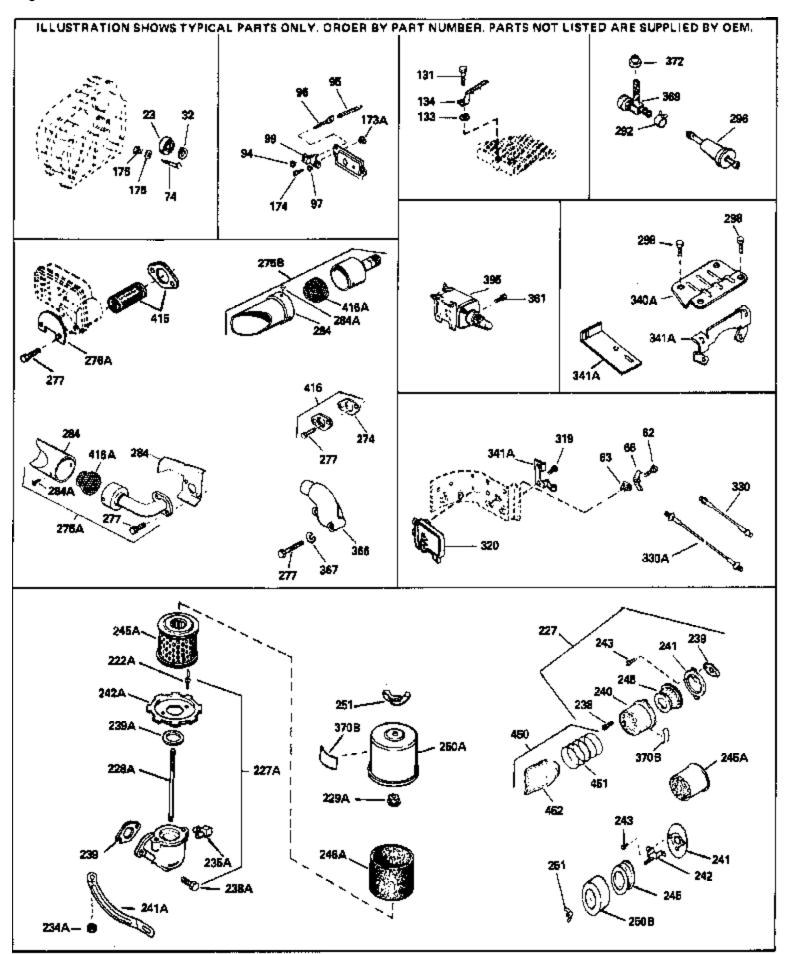


Ref#	Part Number Qty	
1	34348B	Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
2	27652	Pin, Dowel
15	30699C	Rod Assy., Governor (Incl. 15A & 15B)
15A	30700	Yoke, Governor
15B	650494	Screw, 6-40 x 5/16"
16	33454	Governor Lever Assy.
	29916	Clamp, Governor lever
	650548	Screw, 8-32 x 5/16"
	34663	Spring, Speed control
	32630	Seal, Oil
	35256A	Baffle, Blower housing
	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")
	34553	Piston, Pin & Ring Set (3.01.) (3-176)
	34554	Piston, Pin & Ring Set (.020" OS)
	34329A	Piston & Pin Ass'y.(Std)(Incl.43)(3-1 /8")
	34330A	
	34331A	Piston & Pin Ass'y. (.010" OS)(Incl. 43)
	34332	Piston & Pin Ass'y. (.020" OS)(Incl. 43)
		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
	650128	Screw, 10-24 x 1/2"
	35262	* Gasket, Cylinder cover
	33367B	Cylinder Cover (Incl. 71, 75, 80, 311 & 312)
	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
	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)
	650489	Screw, 1/4-20 x 5/8"
108	29783	Pin, Crankshaft gear
109	33245	Gear, Crankshaft
119	34041A	* Gasket, Head
	34030A	Head, Cylinder
125	27878A	Exhaust Valve (Std.) (Incl. 151)
125	27880A	Exhaust Valve (1/32" OS) (Ind. 151)
		• • • • • • •

Ref #	Part Number	Qtv	Description
	34035	,	Intake Valve (Std.) (Incl. 151)
	34036		Intake Valve (1/32" OS) (Incl. 151)
	650691		Washer (Use as req., but not w/6021A screw)
	26073		Washer, Flat (Use as required)
	650570		Washer, Flat (Use as required)
	650690		Washer, Belleville
	650727		Screw, 5/16-18 x 1-3/4" (Use as requi red)
	6021A		Screw, 5/16-18 x 1-1/2" (Use as required, but do notuse with
100/1	002.17		650691 washer)
130	650694A		Screw, 5/16-18 x 2" (Use as required)
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)
	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"
	35862		Seal Assy., Intake valve
	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
	34707		Pipe, Intake
203	31342		Spring, Compression
	650549		Screw, 5-40 x 7/16"
	610973		Terminal Assy. (Use as required)
	27793		Clip, Conduit
	28942		Screw, 10-32 x 3/8"
	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
	35824		Muffler (Optional quiet muffler)
	33280A		Muffler
	31588		Plate, Muffler locking
	650696 650730		Screw, 5/16-18x2-3/4" (Used with 276A)
	650729		Screw, 5/16-18 x 3-3/16"
	33013 650760		Cover, Starter bubble
	33662		Screw, 8-32 x 3/8" Hub & Screen Assy, Starter
	29752		Hub & Screen Assy., Starter 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.)
230			1 401 Ente (Braided of /(01 011)/(000 do 104.)

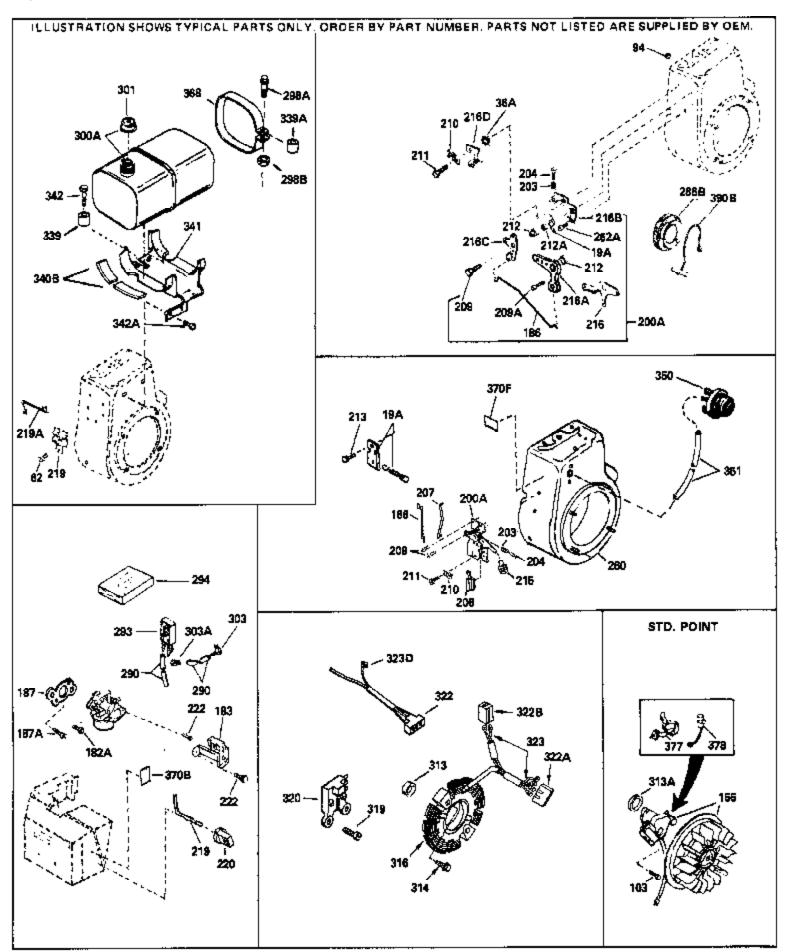
Dof #	Port Number Ot	/ Description
	Part Number Qtg 26460	/ Description Clamp, Fuel line (Use as required)
	650665	Screw, 1/4-15 x 7/8"
300	34156A	Fuel Tank (Incl. 292 & 301) NOTE: These tanks were
		builtwith different size fuel inlet openings. Tanks with the
		1-3/16" I.D. opening use fuel cap 34210. Tanks with the
		1-1/2" I.D. opening use fuel cap 35355.
204	44.04.44D	Fire Con (Milita Disette)/Ot-1/(4 4/01 LD.)
	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)
301	01210	(1-3/16" I.D)
		(1-3/10 1.0)
301	35355	Fuel Cap (Red plastic) (1-1/2" I.D.)
305	33893A	Tube, Oil fill
306	33590	"O" Ring
	34011A	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"
	34346	Decal, Instruction
	34870	Decal, Instruction Can be used on HM80 with diecast starter.
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)
200	F00470	• ,
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)
100	05500	,
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
110	100010	used on HM80 with stamped steel recoil starter)
		ased of thinloo with starriped steel recoil starter)
411	35568	Debris Screen (Can be used on HM80 with stamped steel
		recoil starter)
440	650007	Coron F/16 19 v 1 F/9" (Con he wood on LIMO) with
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
723	100012	HM80 with die cast starter)
		Tilvioo wiii die casi starter)
429	650868	Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to
		Mechanics Handbook for installation instructions).
400	044077	,
430	611077	Alternator, Add on (Use as required) (Refer to Mechanics
		Handbook for installation instructions).
∆ 31	590609	Centering tube (Use with engines equipped with die cast
ا ۵-		aluminum starter)(Use as required) (Refer to Mechanics
		Handbook for installation instructions)
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Ref #	Part Number Q	ty 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 #	Dord M. work on	O4 ·	Description
	Part Number	Qty	Description
	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)
	650890		Washer, Lock, 5/16"
	30747		Clip, Spark plug shorting
	650128		Screw, 10-24 x 1/2"
			•
	650597		Screw, 10-24 x 5/8"
221	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
<u></u>	700104		as required)
			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)
			•
	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"
	34700		Element, Air cleaner
	33268		Element, Air cleaner
			·
	33269A		Cover, Air cleaner
	650513		Nut, Wing, 1/2-20
	35865		Gasket, Exhaust (Use as required)
275B	391026		Muffler (Incl. 284, 284A & 416A) (This spark arresting muffler
			can be used on any model.)
2750	35824		Muffler (Optional quiet muffler)
	650729		Screw, 5/16-18 x 3-3/16"
	650696		Screw, 5/16-18x2-3/4" (Used with 276A)
	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.
370B	34387		Decal, Instruction Can be used on HM80 with stamped steel
			recoil starter.
205	22220		Ctorton Maton Kit (440, 420) (all) This 440, 420 yealt starton
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
400	25570		Caroon Cool (Can be used on LIMO) with atomical atool
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
100	00000		starter)
			·
410	730573		Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be
			used on HM80 with stamped steel recoil starter)
111	2550		Dobrio Coroon (Con bo used on LIMO) with atomned atoms
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
710			stamped steel recoil starter)
			otampod stool loodii stalloi j

Ref #	Part Number	Qty	Description
	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 \times 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).



103	Part Number 650489 610842	Oty Description Screw, 1/4-20 x 5/8" 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)
200A 203 204 206 207 209 210 211 260 275C 277A 286B 290 290 290	34661 34664 31342 650549 610973 33878 650821 27793 28942 33375D 35824 650696 33662 29774 30705 30962 410144B 33032	Link, Governor Control Bracket (Incl.19,203,204,206, 209) Spring, Compression Screw, 5-40 x 7/16" Terminal Assy. (Use as required) Link, Governor-to-throttle Screw, 10-32 x 1/2" 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 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	35355 33876 35038 34155 650561 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 stamped steel recoil starter.
377 378	34870 30547A 30548B 35570	Decal, Instruction Can be used on HM80 with diecast starter. 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 & 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).

Ref #	Part Number	Qty	Description
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).