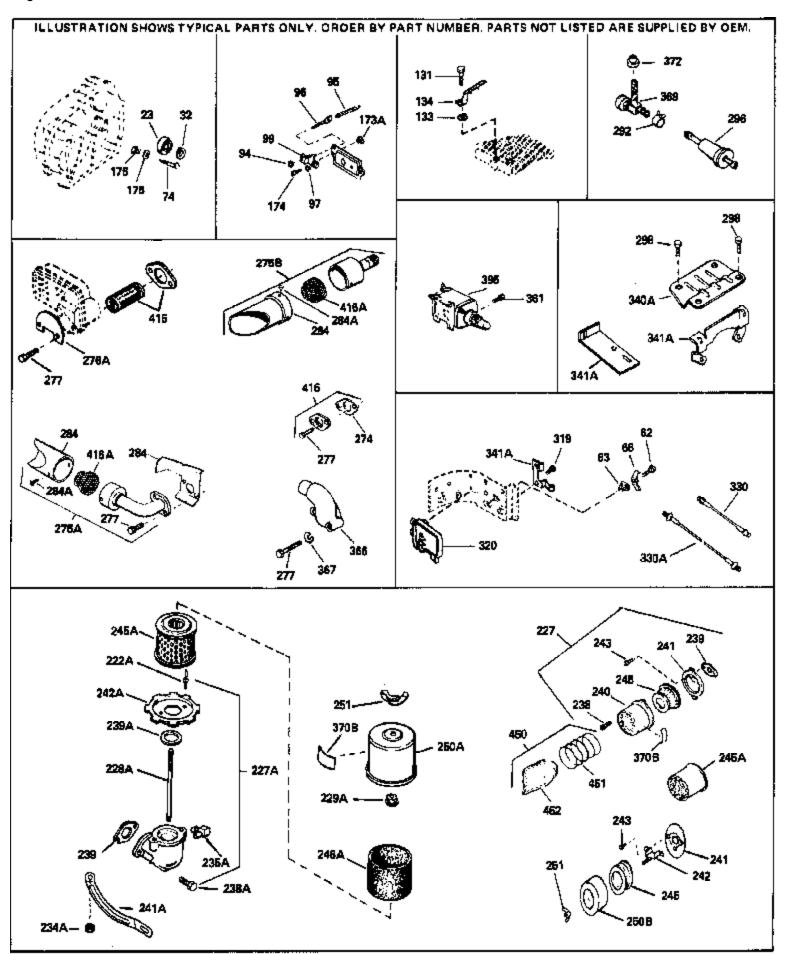


Ref #	Part Number Qty	Description
1	34348B	Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
2	27652	Pin, Dowel
3	650820	Screw, 1/4-20 x 1/2"
15	30699C	Rod Assy., Governor (Incl. 15A & 15B)
15A	30700	Yoke, Governor
15B	650494	Screw, 6-40 x 5/16"
	33454	Governor Lever Assy.
	29916	Clamp, Governor lever
	650548	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"
	35281	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 (0.10" 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)
	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
	34126	Bracket, Grommet mounting
	650760	Screw, 8-32 x 3/8"
	28545	Grommet, Plastic
	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 1-3/10 Screw, 1/4-20 x 1-11/16"
	32589	Key, Flywheel
	611091	Flywheel (w/ring gear)
	650815	Washer, Belleville
	650863	·
	35135	Nut, Hex (1/2-20) (Add-on alternator)
	610118	Lamination Assy., Solid State
	650872	Cover, Spark plug (Use as required)
102	000012	Stud, Lamination mounting

Ref #	Part Number Q	ty Description
	650814	Screw, Torx T-15, 10-24 x 1"
108	29783	Pin, Crankshaft gear
109	33245	Gear, Crankshaft
	35234	Ground Wire
	34041A	* Gasket, Head
	34030A	Head, Cylinder
	27878A	
	27880A	Exhaust Valve (Std.) (Incl. 151)
		Exhaust Valve (1/32" OS) (Incl. 151)
	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)
127A	650570	Washer, Flat (Use as required)
128	650690	Washer, Belleville
129	650727	Screw, 5/16-18 x 1-3/4" (Use as requi red)
130A	6021A	Screw, 5/16-18 x 1-1/2" (Use as required, but do notuse with
		650691 washer)
400	0000044	•
	650694A	Screw, 5/16-18 x 2" (Use as required)
	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 )
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)
135	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
	27881	Spring, Valve
	32581	Cap, Lower valve spring
	27896A	• •
		* Gasket, Breather cover
	28423	Body, Breather
	28424	Element, Breather
	28425	Cover, Valve spring
	35350	Tube, Breather
	650128	Screw, 10-24 x 1/2"
	650597	Screw, 10-24 x 5/8"
	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
	33877	Pipe, Intake
	31342	Spring, Compression
	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
	35447A	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)
	35056	Muffler
	31588	Plate, Muffler locking
	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
277	651002	Screw, 5/16-18 x 4-3/16"
281	33013	Cover, Starter bubble

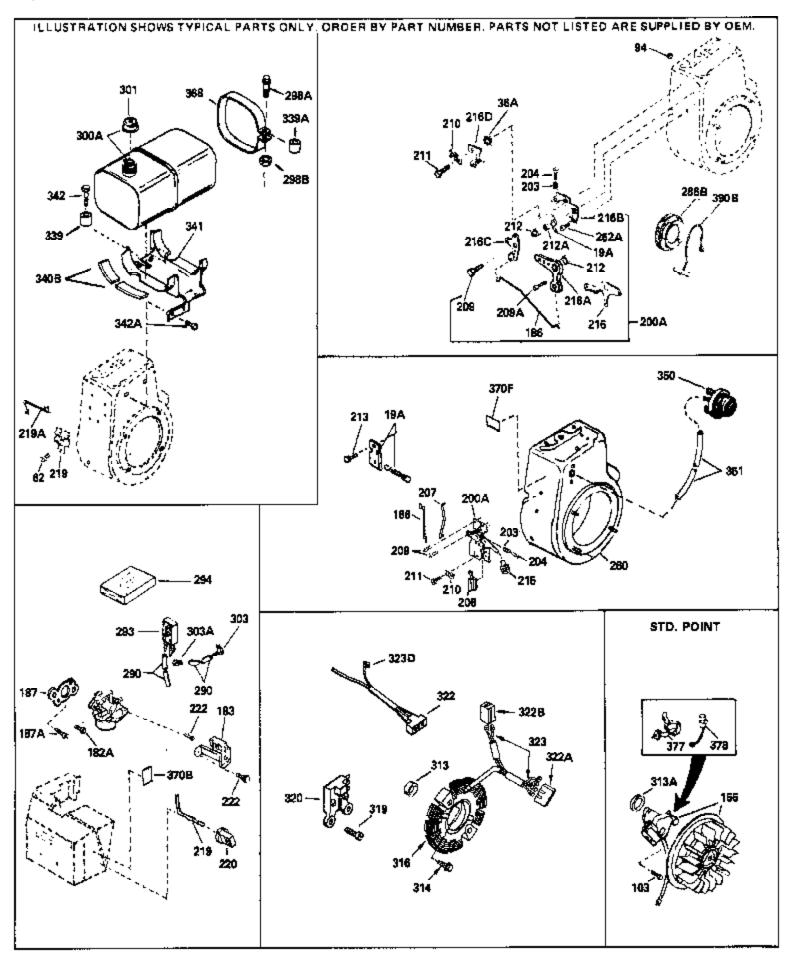
D.(#	Death and an	Designation
		Description
	650760	Screw, 8-32 x 3/8"
	32125	Cup, Starter
286A	35194	Screen, Starter
287	29752	Nut & Lockwasher, 1/4-28
290	29774	Fuel Line (Braided 8-1/4")(21 cm)(As req.)
	30705	Fuel Line (Braided 16")(41 cm)(Use as req.)
	30962	Fuel Line (Braided 32")(81 cm)(Use as req.)
	26460	Clamp, Fuel line (Use as required)
		Screw, 1/4-15 x 7/8"
	650665	· ·
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.
201	410144B	Fuel Cap (Mhite Pleatic)(Std)(1.1/2" LD.)
		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	3-12 TO	(1-3/16" I.D)
		(1-3/10 1.0)
301	35355	Fuel Cap (Red plastic) (1-1/2" I.D.)
	33893A	Tube, Oil fill
	33590	"O" Ring
	34011A	Dipstick (Incl. 306)
	29443	Clip, Fuel line (Use as required)
	34246	Clip, Ground wire (Use as required)
	650765	Screw, 10-32 x 1/2"
	35057A	Cover, Carburetor
338	28942	Screw, 10-32 x 3/8"
340	34154	Plate, Fuel tank mounting
341	34155	Bracket, Fuel tank mounting
	650561	Screw, 1/4-20 x 5/8"
	590574	Handle, Mitten grip
	650168	Washer, Flat
	34141	Guard, Starter
	32576	•
		Seal, Snow guard
	33377	Bracket, Carburetor cover mounting
	650767	Screw, 8-32 x 27/64"
	34870	Decal, Instruction Can be used on HM80 with diecast starter.
379	631021	Inlet Needle, Seat & Clip Assy.
380	632334A	Carburetor (Incl. 184) (Refer to Division 5, Section A, page
		188 for breakdown or Fiche18A-1, Grid F-5)
000	500500	•
390	590593	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
400	33370	
		recoil starter)
409	35569	Spacer (Can be used on HM80 with stamped steel recoil
100	3333	starter)
		Starter)
410	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be
		used on HM80 with stamped steel recoil starter)
	05500	,
411	35568	Debris Screen (Can be used on HM80 with stamped steel
		recoil starter)
//10	650907	Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with
413	000301	
		stamped steel recoil starter)

Ref #	Part Number	Qty	Description
421	730225 730226 730572		SAE 30, 4-Cycle Engine Oil (Quart) SAE 5W30, 4-Cycle Engine Oil (Quart) 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).



D-f //	Deat Ni week an	Ot . Description
		Qty Description
	650760	Screw, 8-32 x 3/8"
	28545	Grommet, Plastic
	31855	Retainer, Bearing
97		Lockwasher, Heavy split, #10 (Buy loc ally)
	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 )
174	650128	Screw, 10-24 x 1/2"
174	650597	Screw, 10-24 x 5/8"
227	730127	Air Cleaner Ass'y. (Incl.238,239,240,241,243,245 & 370)
		(Use as required)
207	700404	
221	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
220/1	000001	elbow)
		•
245A	34700	Element, Air cleaner
274	35865	Gasket, Exhaust (Use as required)
275B	391026	Muffler (Incl. 284, 284A & 416A) (This spark arresting muffler
		can be used on any model.)
07EC	25024	Muffler (Optional quiet purffler)
	35824	Muffler (Optional quiet muffler)
	651002	Screw, 5/16-18 x 4-3/16"
	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"
	35857	Valve, Fuel shut-off
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.
205	33329D	Starter Motor Kit (110-120 Volt) This 110-120 volt starter
393	33329D	,
		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
100	00070	recoil starter)
		,
409	35569	Spacer (Can be used on HM80 with stamped steel recoil
		starter)
<i>4</i> 10	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be
710	130313	used on HM80 with stamped steel recoil starter)
		used of Filvioo with startiped steel recoil starter)
411	35568	Debris Screen (Can be used on HM80 with stamped steel
		recoil starter)
440	650007	,
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.)
	730572	Starter Muff Kit (Incl. 370J, 426 & 427) (Can be used on
.20		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).



Pof #	Part Number	Otv.	Description
	650760	Qıy	Screw, 8-32 x 3/8"
	650814		Screw, Torx T-15, 10-24 x 1"
	34587		Bracket, Choke
	34667		Link, Governor
	34677		Control Bracket (Incl.19,19A,203,204, 206,209)
203	31342		Spring, Compression
204	650549		Screw, 5-40 x 7/16"
206	610973		Terminal Assy. (Use as required)
	33878		Link, Governor-to-throttle
	650821		Screw, 10-32 x 1/2"
	32410		Knob, Control
	34586		
			Rod, Choke
	35438		Knob, Control
	28820		Screw, 10-32 x 1/2"
	35447A		Blower Housing (For electric starter)
275C	35824		Muffler (Optional quiet muffler)
277A	650696		Screw, 5/16-18x2-3/4" (Used with 276A)
290	29774		Fuel Line (Braided 8-1/4")(21 cm)(As req.)
290	30705		Fuel Line (Braided 16")(41 cm)(Use as req.)
	30962		Fuel Line (Braided 32")(81 cm)(Use as req.)
	410144B		Fuel Cap (White Plastic)(Std)(1-1/2" I.D.)
	33032		Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (1-3/16"
301	33032		
			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.)
339	35038		Spacer, Tank
341	34155		Bracket, Fuel tank mounting
	650561		Screw, 1/4-20 x 5/8"
	570682		Primer Assy.
	32180C		Primer Line
	34870		Decal, Instruction Can be used on HM80 with diecast starter.
			·
3/00	34387		Decal, Instruction Can be used on HM80 with stamped steel
			recoil starter.
408	35570		Screen Seal (Can be used on HM80 with stamped steel
.00			recoil starter)
			recoil startery
409	35569		Spacer (Can be used on HM80 with stamped steel recoil
			starter)
440	700570		•
410	730573		Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be
			used on HM80 with stamped steel recoil starter)
<i>1</i> 11	35568		Debris Screen (Can be used on HM80 with stamped steel
711	33300		recoil starter)
			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)
400	650060		Coroux 0.40 x 4.4/01/ (2. Dominost) // loo
429	650868		Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (Refer to
			Mechanics Handbook for installation instructions).
<b>∆</b> 2∩	611077		Alternator, Add on (Use as required) (Refer to Mechanics
+00	011077		Handbook for installation instructions).
			i iai iaboon ioi ii istaiiatioi i ii isti uotioi is).

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).