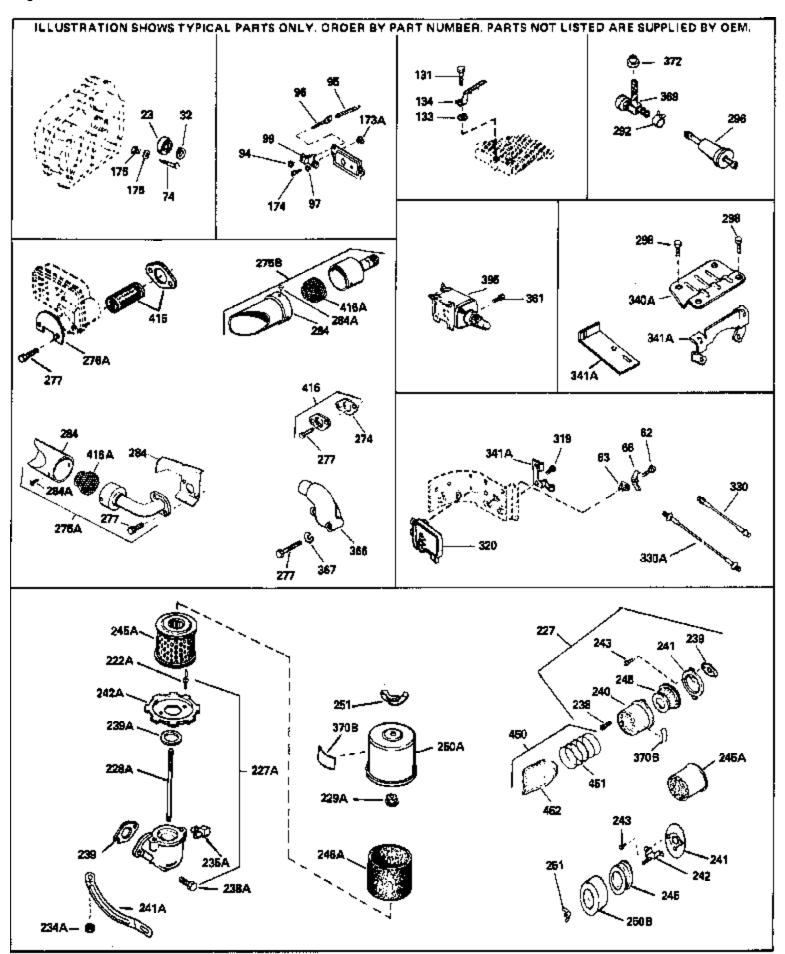


Ref #	Part Number Qty	
1	34348B	Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
	27652	Pin, Dowel
	30699C	Rod Assy., Governor (Incl. 15A & 15B)
	30700	Yoke, Governor
	650494	Screw, 6-40 x 5/16"
	33454	Governor Lever Assy.
	29916	Clamp, Governor lever
	650548	• •
	34663	Screw, 8-32 x 5/16"
		Spring, Speed 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.
	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)
41	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
	34242	Dipper, Oil
50	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"
	29783	Pin, Crankshaft gear
	33245	Gear, Crankshaft
	35182	Ground Wire
	34041A	* Gasket, Head
	34030A	Head, Cylinder
125	27878A	Exhaust Valve (Std.) (Incl. 151)

		Description (1/22) (2/2) (1/24)
	27880A	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)
127A	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)
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)
	33636	Resistor Spark Plug (RJ17LM)
	33369	Bracket, Governor gear
	650836	Screw, 10-24 x 1/2"
	27882	Cap, Upper valve spring
	35862	Seal Assy., Intake valve
	27881	Spring, Valve
	32581	Cap, Lower valve spring
	27896A	* Gasket, Breather cover
		·
	28423	Body, Breather
	28424	Element, Breather
	28425	Cover, Valve spring
	32446	Grommet, Breather tube
	34696	Tube, Breather
	650128	Screw, 10-24 x 1/2"
	650597	Screw, 10-24 x 5/8"
	29752	Nut & Lockwasher, 1/4-28
	30593	Clip, Primer line (Use as required)
	30088A	Screw, 1/4-28 x 1"
	33263	* Gasket, Carburetor
185	34707	Pipe, Intake
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"
	650378	Screw, Torx T-30, 5/16-18 x 1-1/8 "
	27915A	* Gasket, Intake pipe
	34145	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)
	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
	33013	Cover, Starter bubble
		·
	650760	Screw, 8-32 x 3/8"
	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.)
292	26460	Clamp, Fuel line (Use as required)

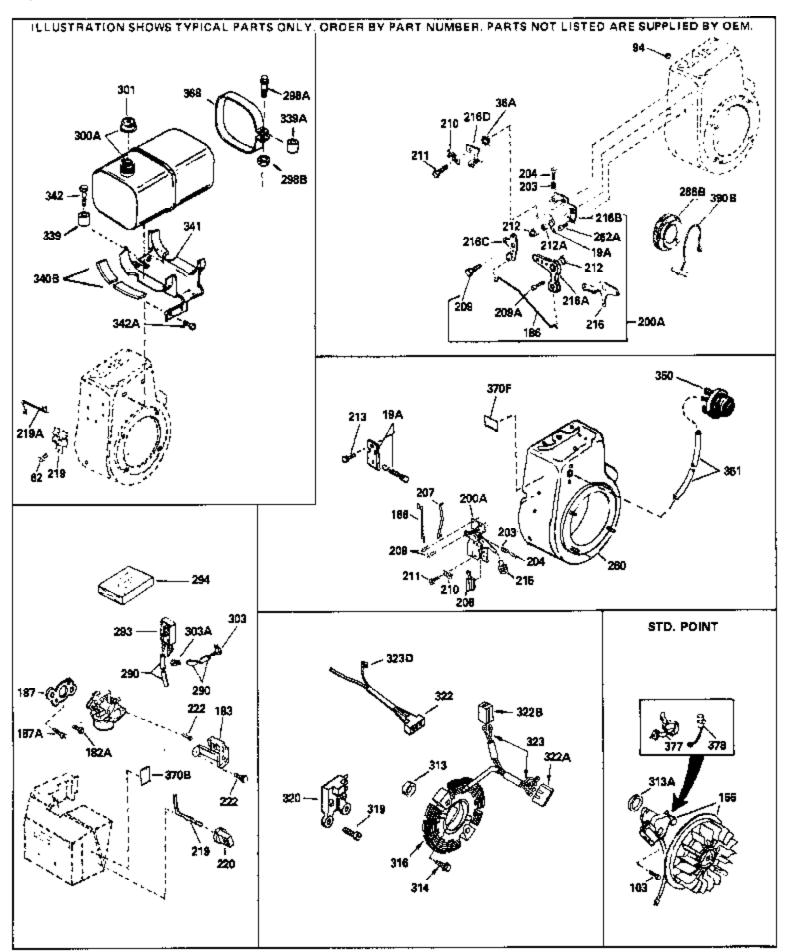
Dof #	Dort Number	Ot. 1	Description
	Part Number		Description
	650665 34156A	F k	Screw, 1/4-15 x 7/8" Fuel Tank (Incl. 292 & 301) NOTE: These tanks were builtwith different size fuel inlet openings. Tanks with the 1-3/16" I.D. opening use fuel cap 34210. Tanks with the 1-1/2" I.D. opening use fuel cap 35355.
	410144B 33032	F	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)
305 306 310 325 325 340 341 342 370J 370A 379	35355 33893A 33590 34011A 29443 34246 34154 34155 650561 34870 34705 631725 632176	"" () () () () () () () () () () () () ()	Fuel Cap (Red plastic) (1-1/2" I.D.) Tube, Oil fill "O" Ring Dipstick (Incl. 306) Clip, Fuel line (Use as required) Clip, Ground wire (Use as required) Plate, 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, Instruction Inlet Needle, Seat & Clip Assy. Carburetor (Incl. 184) (Refer to Division 5, Section A, page
390	590479	F	Rewind Starter (Refer to Division 5, Section C, page 30 for breakdown or Fiche 18A-1, Grid G-5)
	33279G 35570	5	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	9	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	a	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).



D-f //	Deat Normalian	t. Description
		ty Description
74 97	31855	Retainer, Bearing 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)
	32446	Grommet, Breather tube
	650128	Screw, 10-24 x 1/2"
	650597	Screw, 10-24 x 5/8"
222A	030031	Pop Rivet (1/8" dia.) (Can be bought locally)
	730127	Air Cleaner Ass'y. (Incl.238,239,240,241,243,245 & 370)
221	130121	(Use as required)
		,
227	730164	Air Cleaner Ass'y. (Incl. 238, 239, 240, 241, 243 & 245) (Use
		as required)
227A	35044	Air Cl.Elbow (Incl.222A,228A,235A,239 A,242A)
	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)
2204	650925	,
	650825 30675	Nut & Lockwasher, 1/4-20
	650163	Fitting, Breather
	34698A	Screw, 10-32 x 7/8" * Cooket Air deeper breeket
		* Gasket, Air cleaner bracket
	34699	Bracket, Air cleaner
	34700	Element, Air cleaner
	34703	Filter, Pre-air
	34702	Cover, Air cleaner
	650513	Nut, Wing, 1/2-20
	35865	Gasket, Exhaust (Use as required)
2/30	391026	Muffler (Incl. 284, 284A & 416A) (This spark arresting muffler
		can be used on any model.)
	35824	Muffler (Optional quiet muffler)
	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.
370B	34704	Decal, Air cleaner
	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	35570	Screen Seal (Can be used on HM90 with stamped steel
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
-+10	. 555. 5	used on HM80 with stamped steel recoil starter)
	05500	,
411	35568	Debris Screen (Can be used on HM80 with stamped steel
		recoil starter)

	Part Number	Qty Description
413	650907	Screw, $5/16-18 \times 1-5/8$ " (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 \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).



Def #	Dord Ni week ou	t. Description
		ty Description
	650489	Screw, 1/4-20 x 5/8"
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)
186	34667	Link, Governor
200A	34664	Control Bracket (Incl.19,203,204,206, 209)
	31342	Spring, Compression
	650549	Screw, 5-40 x 7/16"
	610973	Terminal Assy. (Use as required)
	33878	Link, Governor-to-throttle
	650821	·
		Screw, 10-32 x 1/2"
	27793	Clip, Conduit
	28942	Screw, 10-32 x 3/8"
	34145	Blower Housing (For electric starter)
	35824	Muffler (Optional quiet muffler)
277A	650696	Screw, 5/16-18x2-3/4" (Used with 276A)
286B	33662	Hub & Screen Assy., Starter
290	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.)
	35800	Fuel pump, Impulse
	33010	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"
301	30002	I.D.)
		1.0.)
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.)
	33713	Fitting, Elbow
	33876	Gasket, Stator
	35038	Spacer, Tank
	34155	Bracket, Fuel tank mounting
		Screw, 1/4-20 x 5/8"
	650561	·
	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.
370B	34704	Decal, Air cleaner
377	30547A	Contact Assy., Breaker
378	30548B	Condenser
	35570	Screen Seal (Can be used on HM80 with stamped steel
		recoil starter)
400	25560	Chappy (Can be used an LIMO) with stamped steel receil
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)
A10	650907	,
413	000001	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)
		,

Ref #	Part Number	Qty 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).