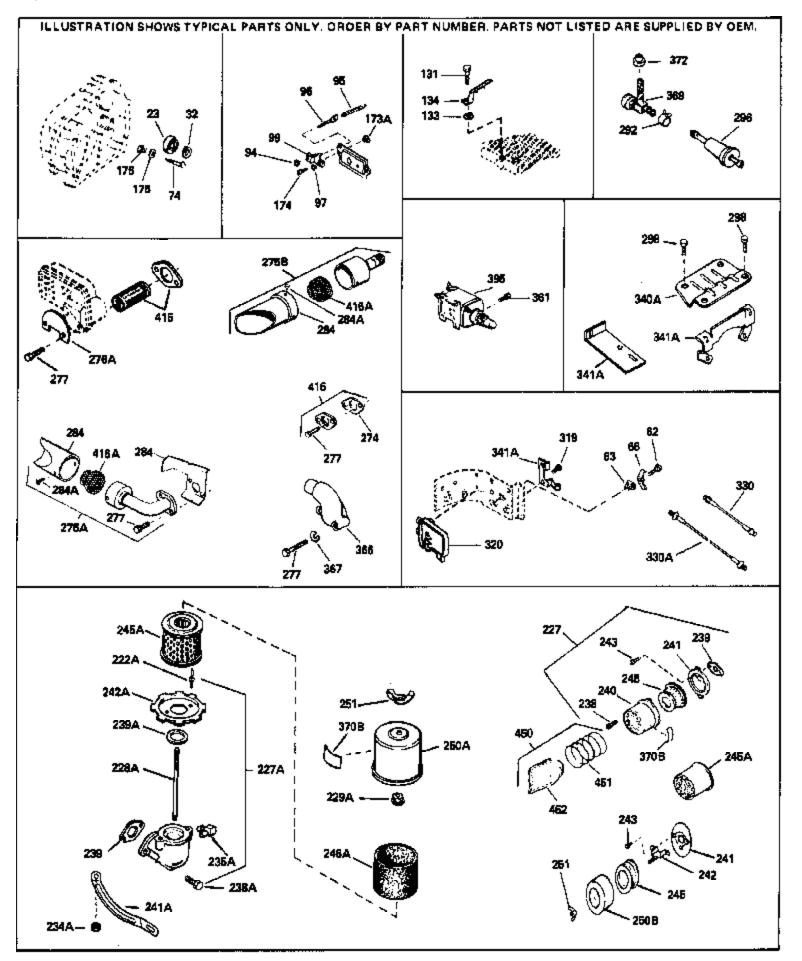


Ref #	Part Number Qt	y Description
1	34348B	Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
	27652	Pin, Dowel
	650820	Screw, 1/4-20 x 1/2"
	30968	Nipple, Pipe
	30969	Cap, Oil drain
	30700	Yoke, Governor
	30699C	Rod Assy., Governor (Incl. 15A & 15B)
	650494	Screw, 6-40 x 5/16"
	33454	Governor Lever Assy.
	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"
	33719B	
	29826	Crankshaft (Incl. 108 & 109)
		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 (.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)
	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
62	650760	Screw, 8-32 x 3/8"
63	28545	Grommet, Plastic
65	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
72	27642	Plug, Oil drain
75	31950	Seal, Oil
80	31845	Shaft, Mechanical governor
81	30590A	Washer, Flat
82	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
	650863	Nut, Hex (1/2-20) (Add-on alternator)
	610118	Cover, Spark plug (Use as required)
	650489	Screw, 1/4-20 x 5/8"
100		

108 29783 Pin, Crankshaft 110 34240 Gear, Crankshaft 110 34240 Ground Wire 120 34030A Head, Cylinder 120 34030A Head, Cylinder 125 2777BA Exhaust Valve (71.02 (not. 151) 126 34036 Intake Valve (71.02 (not. 151) 127 650570 Washer, Flat (Use as required) 127 650591 Washer, Flat (Use as required) 127 650591 Washer, Flat (Use as required) 128 650690 Washer, Flat (Use as required) 130 650691 Washer, Staft-138 x 34" (Use as required) 131A 650727 Screw, 5/16-18 x 58" (Use as required) 131A 650737 Screw, 5/16-18 x 58" (Use as required) 131A 650737 Screw, 5/16-18 x 58" (Use as required) 131 650737 Screw, 5/16-18 x 58" (Use as required) 131 650737 Screw, 1/4-20 x 12" (Use as required) 133 65080 Screw, 1/4-20 x 12" (Use as required) 133 650747 <th></th> <th></th> <th>Qty</th> <th></th>			Qty	
110 34240 Ground Wire 111 34030A Head. Cylinder 122 34030A Head. Cylinder 125 27878A Exhaust Valve (Rtd.) (Ind. 151) 126 34036 Intake Valve (Rtd.) (Ind. 151) 126 34036 Intake Valve (Rtd.) (Ind. 151) 127 650570 Washer, Flat (Use as required) 127 650501 Washer, Flat (Use as required) 128 65060 Washer, Flat (Use as required) 129 65060 Washer, Flat (Use as required) 120 65060 Washer, Stat. 1-34" (Use as required) 130 650747 Screw, 5716-18 x 1-12" (Use as required) 131A 650737 Screw, 5716-18 x 1-12" (Use as required) 131A 650737 Screw, 174-20 x 12" (Use as required) 131 650737 Screw, 174-20 x 12" (Use as required) 131 650737 Screw, 174-20 x 12" (Use as required) 131 650737 Screw, 174-20 x 12" (Use as required) 131 650737 Screw, 174-20 x 12" (Use as required) 131 650736 Screw, 174-20 x 12" (Use as required) <	108	29783		Pin, Crankshaft gear
119 34041A * Gasket, Head 125 27878A Exhaust Valve (Std.) (Incl. 151) 125 27880A Exhaust Valve (Std.) (Incl. 151) 126 34036 Intake Valve (Std.) (Incl. 151) 127 82073 Washer, Flat (Use as required) 127A 62073 Washer, Flat (Use as required) 127A 62070 Washer, Flat (Use as required) 127A 62070 Washer, Flat (Use as required) 128 620891 Washer, Flat (Use as required) 129 650727 Screw, 5/16-18 x 1-34" (Use as required) 130A 6021A Screw, 5/16-18 x 1-42" (Use as required) 131A 620737 Screw, 5/16-18 x 1" (Use as required) 131A 620737 Screw, 5/16-18 x 1" (Use as required) 131A 620737 Screw, 1/4-20 x 12" (Use as required) 131A 620737 Screw, 1/4-20 x 12" (Use as required) 131 650737 Screw, 1/4-20 x 5/8" (Use as required) 131 650738 Screw, 1/4-20 x 5/8" (Use as required) 132 65036 Screw, 1/4-20 x 5/8" (Use as required) 133 65063 Screw	109	33245		Gear, Crankshaft
120 34030A Head, Cylinder 125 27878A Exhaust Valve (K32' C93) (Incl. 151) 126 34035 Intake Valve (K32' C93) (Incl. 151) 127 650670 Washer, Flat (Use as required) 127 650691 Washer, Flat (Use as required) 128 650690 Washer, Ball (Use as required) 129 650727 Screw, 516-18 x 1-34" (Use as required) 130A 6021A Screw, 516-18 x 1-12" (Use as required) 131A 650694 Screw, 516-18 x 75" (Use as required) 131A 650713 Screw, 516-18 x 75" (Use as required) 131A 65073 Screw, 516-18 x 75" (Use as required) 131A 65073 Screw, 14-20 x 12" (Use as required) 131A 65073 Screw, 14-20 x 12" (Use as required) 131A 65073 Screw, 14-20 x 12" (Use as required) 131A 65073 Screw, 14-20 x 12" (Use as required) 131A 65073 Screw, 14-20 x 12" (Use as required) 131A 65073 Screw, 14-20 x 12" (Use as required) 132 35363 Resi	110	34240		Ground Wire
120 34030A Head, Cylinder 125 27878A Exhaust Valve (Sid) (Ind. 151) 126 27890A Exhaust Valve (1/32" OS) (Ind. 151) 127 6005 Intake Valve (1/32" OS) (Ind. 151) 127 20073 Washer, Flat (Use as required) 127 600670 Washer, Flat (Use as required) 128 600690 Washer (1/32" OS) (Ind. 151) 129 600727 Screw, 516-18 x 1-12" (Use as required) 130 650694A Screw, 516-18 x 1-12" (Use as required) 131 650697 Screw, 516-18 x 75" (Use as required) 131 650733 Screw, 516-18 x 75" (Use as required) 131 650734 Screw, 516-18 x 75" (Use as required) 131 650737 Screw, 114-20 x 15" (Use as required) 131 650738 Screw, 114-20 x 15" (Use as required) 131 650738 Screw, 114-20 x 15" (Use as required) 131 650738 Screw, 114-20 x 15" (Use as required) 133 650738 Screw, 114-20 x 15" (Use as required) 135 3656 Resistor Spark Plug (RJ17LM) 136 650738 Screw,	119	34041A		* Gasket, Head
125 27878A Exhausi Valve (132' OS) (Ind. 151) 126 27880A Exhausi Valve (132' OS) (Ind. 151) 127A 26073 Washer, Flat (Use as required) 127A 650670 Washer, Flat (Use as required) 127A 650691 Washer, Flat (Use as required) 128 650690 Washer, Flat (Use as required) 129 650727 Screw, 5/16-18 x 1-12" (Use as required) 130A 6021A Screw, 5/16-18 x 1-12" (Use as required) 131A 650694A Screw, 5/16-18 x 57" (Use as required) 131A 650737 Screw, 5/16-18 x 57" (Use as required) 131A 650737 Screw, 1/4-20 x 56" (Use as required) 131A 650737 Screw, 1/4-20 x 56" (Use as required) 131A 650737 Screw, 1/4-20 x 56" (Use as required) 131B 650737 Screw, 1/4-20 x 10" 131B 650737 Screw, 1/4-20 x 10" 131B 650737 Screw, 1/4-20 x 10" 132 36368 Resistor Spark Plug (R/17LM) 133 36507 Screw, 1/4-20 x 10" 134 650638 Screw, 1/4-20 x 10"	120	34030A		
125 27890A Exhaust Value (1/32 ² CS) (Ind. 151) 126 34006 Intake Value (1/32 ² OS) (Ind. 151) 127 26073 Washer, Flat (Use as required) 127 650670 Washer, Flat (Use as required) 127 650690 Washer, Eleleville 128 650690 Washer, Flat (Use as required) 130 650694 Screw, 5/16-18 x 1-12" (Use as required) 130 650694 Screw, 5/16-18 x 1-12" (Use as required) 131 A 6021A Screw, 5/16-18 x 7/3" (Use as required) 131 650694A Screw, 5/16-18 x 7/6" (Use as required) 131 650733 Screw, 5/16-18 x 7/6" (Use as required) 131 650737 Screw, 1/4-20 x 16" (Use as required) 131 650738 Screw, 1/4-20 x 12" (Use as required) 131 650738 Screw, 1/4-20 x 12" (Use as required) 131 650738 Screw, 1/4-20 x 12" (Use as required) 135 3656 Resistor Spark Plug (R)17LM) 136 650738 Screw, 1/4-20 x 12" 140 56984 Capupervalve s				
126 34036 Intake Valve (Std.) (Incl. 151) 127 26073 Washer, Flat (Use as required) 127 650570 Washer, Flat (Use as required) 128 650690 Washer, Flat (Use as required) 128 650727 Screw, 5/16-18 x 1-3/4" (Use as required) 130 650694A Screw, 5/16-18 x 1-1/2" (Use as required, but do notuse 131 650737 Screw, 5/16-18 x 78" (Use as required, but do notuse 131 650737 Screw, 5/16-18 x 78" (Use as required, but do notuse 131 650737 Screw, 5/16-18 x 78" (Use as required, but do notuse 131 650737 Screw, 5/16-18 x 78" (Use as required, but do notuse 131 650737 Screw, 1/4-20 x 58" (Use as required, but do notuse 133 650694 Screw, 578-18 as required, but do notuse 133 650737 Screw, 1/4-20 x 58" (Use as required, but do notuse 133 650737 Screw, 1/4-20 x 58" (Use as required, but do notuse 133 650738 Screw, 1/4-20 x 58" (Use as required, but do notuse 133 650632 Screw, 1/4-20 x 58" (Use as required, but do notuse 134 650738 Screw, 1/4-20 x 58" (Use as required, b				
126 34036 Intake Vake (1/32 ² OS) (n.d. 151) 127A 650570 Washer, Flat (Use as required) 127A 650571 Washer, Flat (Use as required) 128 650680 Washer, Flat (Use as required) 130 650777 Screw, 5/16-18 x 1-3/4" (Use as required, but do notuse 650691 washer) 130 650694A Screw, 5/16-18 x 2" (Use as required, but do notuse 650691 washer) 131A 650713 Screw, 5/16-18 x 2" (Use as required, but do notuse 650691 washer) 131A 650737 Screw, 5/16-18 x 2" (Use as required, but do notuse 650691 washer) 131A 650737 Screw, 5/16-18 x 58" (Use as required, but do notuse 650691 washer) 131A 650737 Screw, 1/4-20 x 58" (Use as required, but do notuse 650691 washer) 131B 650737 Screw, 1/4-20 x 58" (Use as required, but do notuse 650691 washer) 131B 650737 Screw, 1/4-20 x 58" (Use as required, but do notuse 650691 washer) 131B 650738 Screw, 1/4-20 x 58" (Use as required, but do notuse 650691 washer) 132 553366 Resistor Spark Pug (RJ17LM) 133 333636 Resistor Spark Pug (RJ17LM) 133 333636 Screw, 10/24 x 12"				
127A 26073 Washer, Flat (Use as required) 127A 6506570 Washer, Flat (Use as required) 128 650727 Screw, 5/16-18 x 1-3/4* (Use as required) 130A 6021A Screw, 5/16-18 x 1-3/4* (Use as required) 130A 6021A Screw, 5/16-18 x 1-3/4* (Use as required) 130A 60094A Screw, 5/16-18 x 2* (Use as required) 131A 650737 Screw, 5/16-18 x 2* (Use as required) 131A 650737 Screw, 5/16-18 x 2* (Use as required) 131A 650737 Screw, 1/4-20 x 5/8* (Use as required) 131 650738 Screw, 1/4-20 x 5/8* (Use as required) 133 650738 Screw, 1/4-20 x 5/8* (Use as required) 133 650738 Screw, 1/4-20 x 5/8* (Use as required) 133 650738 Screw, 1/4-20 x 5/8* (Use as required) 134 650366 Resistor Spark Pug (R-1/17LM) 139 33369 Bracket, Governor gear 140 650836 Screw, 1/0-24 x 1/2* 1449 Z682 Scal Assy, Intake valve 150 22781 Spring, Valve 151 32530 Cap, Lower va				
127 650570 Washer, Teat (Use as required) 128 650690 Washer, Belleville 129 650727 Screw, 5/16-18 x 1-3/4' (Use as required) 130 650594 Screw, 5/16-18 x 1-1/2' (Use as required, but do notuse 650671 Screw, 5/16-18 x 2' (Use as required, but do notuse 650671 Screw, 5/16-18 x 2' (Use as required, but do notuse 131 650737 Screw, 5/16-18 x 2'' (Use as required, but do notuse 131 650737 Screw, 5/16-18 x 2'' (Use as required, but do notuse 131 650737 Screw, 5/16-18 x 2'' (Use as required, but do notuse 131 650738 Screw, 5/16-18 x 2'' (Use as required, but do notuse 131 650737 Screw, 1/4-20 x 5/8'' (Use as required, but do notuse 133 650738 Screw, 1/4-20 x 5/8'' (Use as required, but do notuse 134 650737 Screw, 1/4-20 x 5/8'' (Use as required, but do notuse 135 35363 Screw, 1/4-20 x 5/8'' (Use as required, but do notuse 141 650737 Screw, 1/4-20 x 1/2'' (Use as required, but do notuse 135 35353 Screw, 1/4-20 x 1/2'' (Screw, 1/4-20 x 1/2'' (Screw, 1/4-20 x 1/2'') 144 650738 Screw, 1/2/				
127 650691 Washer, Belewile 128 650727 Screw, 5/16-18 x 1-3/4' (Use as required) 130A 6021A Screw, 5/16-18 x 1-3/4' (Use as required, but do notuse 650691 washer) 130 650694A Screw, 5/16-18 x 5/8' (Use as required, but do notuse 131A 750223 Screw, 5/16-18 x 5/8' (Use as required, d) 131 131A 750223 Screw, 5/16-18 x 5/8' (Use as required, d) 131 650902 Screw, 1/4-20 x 5/8' (Use as required, d) 131 650737 Screw, 1/4-20 x 5/8' (Use as required, d) 131 650738 Screw, 1/4-20 x 5/8' (Use as required, d) 132 33369 Bracket, Governor gear 140 650836 Screw, 1/4-20 x 5/8' (Use as required, d) 133 33369 Bracket, Governor gear 140 650836 Screw, 1/4-20 x 5/8' (Use as required, d) 153 S251 Cap, Upper valve spring 149 7882 Screw, 1/2/4 x 1/2' 170 2423 Body, Breather 171 24243 Cap, Lower valve spring 169 2786A * Gasket, Ereather cover 172<				
128 65090 Washer, Belleville 129 650727 Screw, 5/16-18 x 1-3/4" (Use as required) 130 650691 washer) Screw, 5/16-18 x 1-1/2" (Use as required) 131 650713 Screw, 5/16-18 x 5/8" (Use as required) 131 650713 Screw, 5/16-18 x 5/8" (Use as required) 131 650737 Screw, 1/4-20 x 5/8" (Use as required) 131 650737 Screw, 1/4-20 x 5/8" (Use as required) 133 650738 Screw, 1/4-20 x 5/8" (Use as required) 133 650736 Screw, 1/4-20 x 5/8" (Use as required) 133 650738 Screw, 1/4-20 x 1/2" 149 27882 Cap. Upper valve spring 140 650836 Screw, 1/4-20 x 1/2" 149 27881 Spring, Valve 151 32581 Cap. Upper valve spring 169 27896A * Gasket, Breather cover 170 28425 Cover, Valve spring 171 28425 Cover, Valve spring 172 28425 Cover, Valve spring 173 3530 Tube, Breather 174 650128 Screw,				
129 650727 Screw, 5/16-18 x 1-1/2' (Use as required) 130A 6021A Screw, 5/16-18 x 1-1/2' (Use as required) 131A 65079 Masher) 131A 650713 Screw, 5/16-18 x 7/8' (Use as required) 131A 75028 Screw, 5/16-18 x 7/8' (Use as required) 131A 650713 Screw, 5/16-18 x 7/8' (Use as required) 131 650737 Screw, 1/4-20 x 5/8' (Use as required) 131 650738 Screw, 1/4-20 x 5/8' (Use as required) 133 3369 Screw, 1/4-20 x 5/8' (Use as required) 133 3369 Screw, 1/4-20 x 5/8' (Use as required) 133 3369 Screw, 1/4-20 x 5/8' (Use as required) 133 3369 Screw, 1/4-20 x 5/8' (Use as required) 139 3369 Screw, 1/24 x 1/2' 149 27882 Cap, Upper valve spring 149 27881 Screw, 10-24 x 1/2' 170 28423 Body, Breather 171 28424 Element, Breather 172 28425 Cover, Valve spring 173 35350 Tube, Breather 174 560597 </td <td></td> <td></td> <td></td> <td></td>				
130A 6021A Screw, 5/16-18 x 1-1/2" (Use as required, but do notuse 650691 washer) 130A 6021A Screw, 5/16-18 x 5/8" (Use as required) 131A 650713 Screw, 5/16-18 x 5/8" (Use as required) 131A 792028 Screw, 5/16-18 x 5/8" (Use as required) 131 650802 Screw, 1/4-20 x 1/8" (Use as required) 131 650737 Screw, 1/4-20 x 5/8" (Use as required) 135 33636 Resistor Spark Plug (RJ17LM) 139 33690 Bracket, Governor gear 140 650366 Screw, 1/4-20 x 1/2" 149 27882 Cap, Upper valve spring 149A 35662 Seal Assy, Intake valve 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 33350 Tube, Breather 174 650597 Screw, 10-24 x 1/2" 174 650597 Screw, 10-24 x 1/2" 178 29752 Nut & Lookwasher, 1/4-28 179 30583 Clip, Primer line (Use as required) 182 3037 Pipe, Intake 20088A				
650691 washer) 130 650694A 131A 650713 31A 650713 31A 650713 31A 650713 311A 792028 311 650802 311 650802 311 650737 311 650738 311 650738 33699 Bracket, Governor gear 3369 Bracket, Governor gear 140 65036 3369 Bracket, Governor gear 140 5082 3369 Bracket, Governor gear 140 5082 3369 Bracket, Governor gear 160 27896A * Gasket, Breather cover 171 28423 Body, Breather 172 28423				
131A650713Screw, 5/16-18 x 7/8" (Use as require d)131A650802Screw, 1/4-20 x 5/8" (Use as required)131650737Screw, 1/4-20 x 5/8" (Use as required)131650738Screw, 1/4-20 x 5/8" (Use as required)133650738Screw, 1/4-20 x 5/8" (Use as required)134650736Screw, 1/4-20 x 5/8" (Use as required)13533636Resistor Spark Plug (RJ17LM)13933339Bracket, Governor gear140650836Screw, 1/0-24 x 1/2"14027882Cap, Upper valve spring15027881Spring, Valve15132581Cap, Lower valve spring16227886A* Gasket, Breather cover17028423Body, Breather17128424Element, Breather17228425Cover, Valve spring17335350Tube, Breather174650128Screw, 10-24 x 1/2"17829752Nut & Lockwasher, 1/4-28179B30533Clip, Primer line (Use as required)1823008AScrew, 1/4-28 x 1"18433223* Gasket, Carburretor18533877Pipe, Intake20331342Spring, Compression204650549Screw, 540 x 7/16"205650378Screw, 1/4-28 x 1"22427915A* Gasket, Intake pipe20535036Clip, Conduit21128942Screw, 5/16-18 x 1-1/8 "22427915A* Gasket, Intake	ISUA	0021A		
1314 792028 Screw, 5/16-18 × 7/8' (Use as required) 131 650737 Screw, 1/4-20 × 5/8'' (Use as required) 131 650738 Screw, 1/4-20 × 7/8'' (Use as required) 135 33636 Resistor Spark Plug (RJ17LM) 139 33369 Bracket, Governor gear 140 650836 Screw, 10-24 × 1/2'' 149 27882 Cap, Upper valve spring 140 57831 Spring, Valve 151 32581 Cap, Lupper 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 × 1/2" 178 29752 Nut & Lockwasher, 1/4-28 178 29752 Nut & Lockwasher, 1/4-28 178 30593 Clip, Primer line (Use as required) 184 33263 * Gasket, Carburetor 185 33877 Pipe, Intake 200 60549				
131 650802 Screw, 1/4-20 x 5/8" (Use as required) 131 650737 Screw, 1/4-20 x 5/8" (Use as required) 133 650737 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 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" 178 29752 Ntr & Lockwasher, 1/4-28 179B 30533 Clip, Primer line (Use as required) 182 30088A Screw, 10-24 x 5/8" 179B 30533 Clip, Londruit 184 3263 " Gasket, Carburetor 184 3263 " Ga				
131 650737 Screw, 1/4-20 x 1/2" (Use as required) 135 35636 Resistor Spark Plug (Use as required) 139 33369 Bracket, Governor gear 140 650836 Screw, 10-24 x 1/2" 149 27882 Cap, Upper valve spring 149, 35862 Seal Assy., Intake valve 150 27881 Cap, Upper valve spring 160 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 58" 1798 30593 Clip, Primer line (Use as required) 182 30088A Screw, 10-24 x 1/2" 174 650597 Screw, 1/4-28 x 1" 184 32263 * Gasket, Carburetor 185 3877 Pipe, Intake 203 31342 Spring, Compression 204 650549 Screw, 10-32 x 36"				
131650738Screw, $1/4-20 \times 5/8^{\circ}$ (Use as required)1353366Resistor Spark Plug (RJ17LM)1393369Bracket, Governor gear140650836Screw, $10-24 \times 1/2^{\circ}$ 14927882Cap, Upper valve spring149435662Seal Assy., Intake valve15027881Spring, Valve15132581Cap, Lower valve spring16927896A"Gasket, Breather cover17028423Body, Breather17128424Element, Breather17228425Cover, Valve spring17335350Tube, Breather174650597Screw, $10-24 \times 1/2^{\circ}$ 17829752Nut & Lockwasher, $1/4-28$ 179830593Clip, Primer line (Use as required)18233877Pipe, Intake20331342Spring, Compression204650549Screw, $5-40 \times 7/16^{\circ}$ 2053377Pipe, Intake20331342Spring, Compression204650549Screw, $5-40 \times 7/16^{\circ}$ 20535078Screw, $10-32 \times 3/8^{\circ}$ 2053377Pipe, Intake206650749Screw, $5-40 \times 7/16^{\circ}$ 207206650749208Screw, $5-40 \times 7/16^{\circ}$ 204650549Screw, $5-40 \times 7/16^{\circ}$ 2053272BCover, Cylinder head20633272BCover, Cylinder head20735056Muffler2083272BCove				
135 33636 Resistor Spark Plug (kU17LM) 139 33369 Bracket, Governor gear 140 650836 Screw, 10-24 x 1/2" 149 27882 Cap, Upper valve spring 1404 35862 Seal Assy., Intake valve 150 27881 Spring, Valve 151 32581 Cap, Lower valve spring 160 27896A * Gasket, Breather cover 170 28423 Body, Breather 171 28423 Body, Breather 172 28425 Cover, Valve spring 173 35350 Tube, Breather 174 650597 Screw, 10-24 x 1/2" 174 650597 Screw, 10-24 x 5/8" 178 29752 Nut & Lockwasher, 1/4-28 179B 30683 Clip, Primer line (Use as required) 182 30088A Screw, 10-4 x 5/8" 178 2033377 Pipe, Intake 203 31342 Spring, Compression 204 650549 Screw, 5-40 x 7/16" 205 Grave, 10-32 x 38" Clip, Conduit 21				Screw, 1/4-20 x 1/2" (Use as required)
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149A 35862 Seal Assy., Intake valve 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" 176 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, 10-24 x 5/8" 178 29752 Nut & Lockwasher, 1/4-28 179B 30593 Clip, Primer line (Use as required) 182 3088A Screw, 10-24 x 5/8" 178 31342 Spring, Compression 204 650549 Screw, 5-40 x 7/16" 205 610973 Terminal Assy. (Use as required) 210 27793 Clip, Conduit 211 2842 Screw, 10xt 7-30, 5/16-18 x 1-1/8 "	140	650836		Screw, 10-24 x 1/2"
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276 31588 Plate, Muffler locking				
277 651002 Screw, 5/16-18 x 4-3/16"				
				Screw, 5/16-18 x 4-3/16"
277A 650696 Screw, 5/16-18x2-3/4" (Used with 276A)	277A	650696		Screw, 5/16-18x2-3/4" (Used with 276A)

D	Part Number C	<u>)</u> +, ,	Description
		JIY	Description
	33013		Cover, Starter bubble
	650760		Screw, 8-32 x 3/8"
	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.)
	30962		Fuel Line (Braided 32")(81 cm)(Use as req.)
	26460		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.
301	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)
001			(1-3/16" I.D)
	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)
	35593		Ignition Key
	610973		•
			Terminal Assy.
	35305		Wire, Ground
	650765		Screw, 10-32 x 1/2"
	35057A		Cover, Carburetor
	28942		Screw, 10-32 x 3/8"
340	34154		Plate, Fuel tank mounting
341	34155		Bracket, Fuel tank mounting
342	650561		Screw, 1/4-20 x 5/8"
	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.
	35080		Decal, Instruction
	34414		Decal, Warning
	34417		Decal, Primer
	34416		Decal, Instruction
	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)
///\	33279G		Gasket Set (Incl. items marked*)
408	35570		Screen Seal (Can be used on HM80 with stamped steel
			recoil starter)
40.9	35569		Spacer (Can be used on HM80 with stamped steel recoil
100			starter)
410	730573		Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be
			used on HM80 with stamped steel recoil starter)
			•

Ref #	Part Number Qty	Description
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)
425	730572	Starter Muff Kit (Incl. 370J, 426 & 4 27) (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).



62 650760 Screw, 8-32 x38" 63 28545 Grommet, Plastic 74 31855 Retainer, Bearing 97 Lockwasher, Heavy split, #10 (Buy loc ally) 131 650737 Screw, 1/4-20 x 5/8" (Use as required) 131 650737 Screw, 1/4-20 x 5/8" (Use as required) 131 650738 Screw, 10-24 x 1/2" 174 650128 Screw, 10-24 x 5/8" 227 730127 Air Cleaner Assy. (Incl. 238, 239, 240, 241, 243, 245 & 37 (Use as required) 2286 650824 227 730164 Air Cleaner Assy. (Incl. 238, 239, 240, 241, 243 & 24 as required) 228A 650824 228A 650824 Stud, 1/4-20 x 7.33 (Use as required) 228A 650851 Stud, 1/4-20 x 8.1 (Use as required) 245A 34700 Element, Air cleaner 274 35865 Gasket, EXhaust (Use as required) 275B 391026 Muffler (Optional quiet muffler) 2777 650696 Screw, 5/16-18 x 4-3/16" 2777A 650696 Screw, 5/16-18 x 4-3/16" 2777A 650696) (Use
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motor kit may have been added to this engine. It can be	
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bosses and a ring gear flywheel. Refer to service num	
stamped on end cap of motor, or on decal for identific	ion.
Ref	
408 35570 Screen Seal (Can be used on HM80 with stamped ste	1
recoil starter)	
409 35569 Spacer (Can be used on HM80 with stamped steel re-)il
starter)	
410 730573 Debris Screen Kit (Incl. 360, 370B, 387, 411 & 413) (Ca	ו be
used on HM80 with stamped steel recoil starter)	
411 35568 Debris Screen (Can be used on HM80 with stamped s	el
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.)	
425 730572 Starter Muff Kit (Incl. 370J, 426 & 4 27) (Can be use	
HM80 with die cast starter)	lon
	lon
429 650868 Screw, 8-18 x 1-1/8" (3 Required) (Use as required) (R	lon
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).



		Description
62	650760	Screw, 8-32 x 3/8"
103	650489	Screw, 1/4-20 x 5/8"
	610848	Magneto (w/ring gear for 110 volt sta rter) NOTE: The
100		complete magneto is not available as an assembly. The
		magneto number is shown for reference purposes only. Orde
		component parts individually, as shown in parts list. (Refer to
		Division 5, Section B, page 28 for breakdown or Fiche 18A-1,
		Grid G
183	34587	Bracket, Choke
186	34667	Link, Governor
	34664	Control Bracket (Incl.19,203,204,206, 209)
	31342	
		Spring, Compression
	650549	Screw, 5-40 x 7/16"
206	610973	Terminal Assy. (Use as required)
207	33878	Link, Governor-to-throttle
	650821	Screw, 10-32 x 1/2"
	27793	Clip, Conduit
	28942	Screw, 10-32 x 3/8"
219	34586	Rod, Choke
220	35438	Knob, Control
	28820	Screw, 10-32 x 1/2"
	35447A	
		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
	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.)
	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.)
	0.1010	
301	34210	Fuel Cap (Red Plastic) (Spurt Resistant, High Profile)
		(1-3/16" I.D)
201	35355	Fuel Cap (Red plastic) (1.1/0" LD)
		Fuel Cap (Red plastic) (1-1/2" I.D.)
	33876	Gasket, Stator
339	35038	Spacer, Tank
341	34155	Bracket, Fuel tank mounting
	650561	Screw, 1/4-20 x 5/8"
	570682	
		Primer Assy.
	32180C	Primer Line
370B	34387	Decal, Instruction Can be used on HM80 with stamped steel
		recoil starter.
	34870	Decal, Instruction Can be used on HM80 with diecast starter
377	30547A	Contact Assy., Breaker
	30548B	Condenser
	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
-03		starter)
410	730573	Debris Screen Kit (Incl. 360, 370B, 387, 411 & 413) (Can be
		used on HM80 with stamped steel recoil starter)
	05500	
A44	35568	Debris Screen (Can be used on HM80 with stamped steel
411	00000	recoil starter)

	Part Number	Qty Description
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).
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).
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