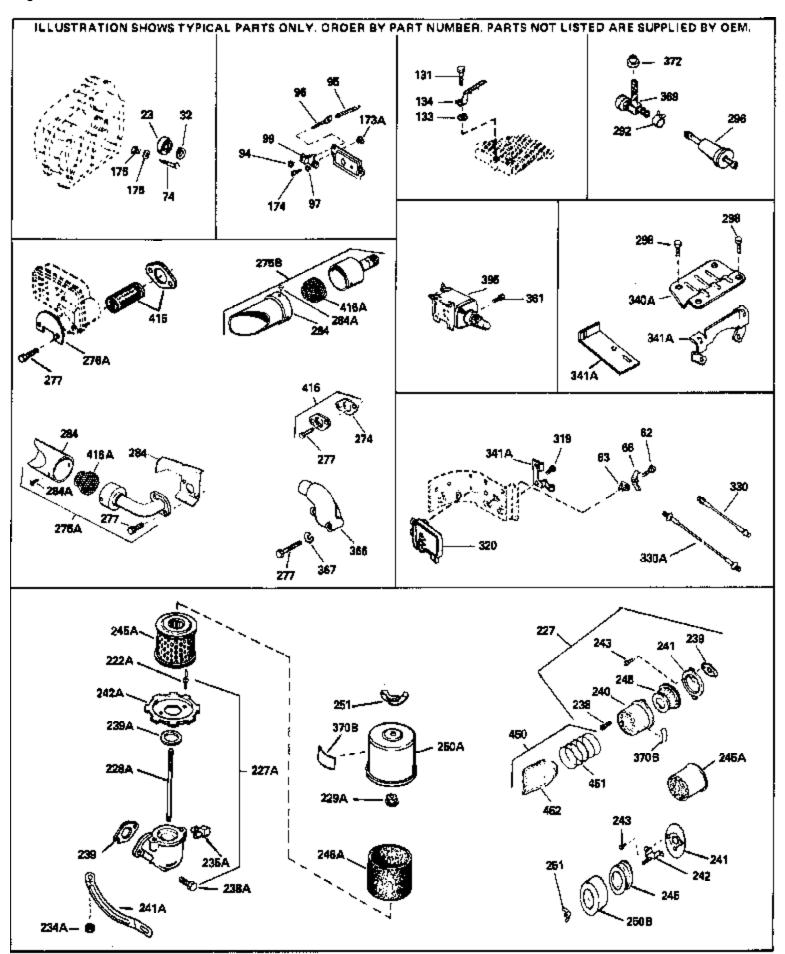


1 34348B	Ref #	Part Number Qty	Description
3 660820 Screw, 14-20 x 1/2" 4 30988 Nipple, Pipe 5 30989 Cap, Oil drain 15 30999 Cap, Oil drain 15 30990 Cap, Oil drain 15 30990 Screw, 6-40 x 5-16" 15 650494 Screw, 6-40 x 5-16" 16 33454 Governor Lever Assy, Covernor (Incl. 15A & 15B) 18 650494 Screw, 6-40 x 5-16" 19 34653 Screw, 8-32 x 5-16" 19 34653 Screw, 8-32 x 5-16" 19 34653 Screw, 8-32 x 5-16" 20 30530 Seal, Oil 25 36256A Baffle, Blower housing 26 650561 Screw, 14-20 x 5-16" 30 33719B Caranter (Incl. 108 & 109) 35 29828 Screw, 10-32 x 3-4" 36 29918 Lockwasher; #8 E.T. 37 29216 Nut & Lockwasher; #8 E.T. 37 29216 Nut & Lockwasher; #8 E.T. 38 29812 Lockwasher; #8 E.T. 40 34652 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34653 Piston, Pin & Ring Set (Col.) (3-1/8") 41 34230A Piston, Pin & Ring Set (Col.) (3-1/8") 42 3433 Ring Set (Std.) (3-1/8") 43 3434 Piston, Pin & Ring Set (Col.) (3-1/8") 44 34231A Piston, Pin & Ring Set (Col.) (3-1/8") 45 3238 Ring Set (Std.) (3-1/8") 46 34232 Ring Set (Std.) (3-1/8") 47 34322 Ring Set (Std.) (3-1/8") 48 3433 Ring Set (Oil O'OS) (Incl. 43) 49 3424 Piston, Pin & Ring Set (Col.) (3-1/8") 40 3455 Piston, Pin & Ring Set (Col.) (3-1/8") 41 34230A Piston & Pin Assy, (Col.) OS)(Incl. 43) 42 3433 Ring Set (Col.) (3-1/8") 43 3434 Ring Set (Col.) (3-1/8" Bore) 44 34234 Piston & Pin Assy, (Col.) OS)(Incl. 43) 45 27888 Ring Riston pin retaining 46 32291 Ring Set (Col.) (3-1/8" Bore) 47 600632 Biot. Connecting (Incl. 49) 48 3424 Dipper, Oil 49 3424 Dipper, Oil 50 34443 Carrishaft (MCR) 50 34443 Carrishaft (MCR) 51 27642 Piston, Pin & Ring Set (Col.) (3-1/8" Bore) 51 330581 Seal. (Oil of Governor (Incl. 21) 52 3445 Seal. (Oil of Governor Rounding 53 27845 Seal. (Oil of Governor Rounding 54 2 34539 Seal. (Oil of Governor Rounding 55 2 36567 Seal. (Oil of Governor Rounding 56 6500128 Screw, 14-20 x 1-11/16" 59 36562 Seal. (Oil of Governor Rounding 56 6500128 Screw, 14-20 x 1-11/16" 59 36569 Seal. (Oil of Governor Rounding 50 36569 Seal. (Oil of Governor Rounding 56 650031 Seal. (Oil of Governor Rounding 57 650632 Screw, 14-20 x 1-11/16"	1	34348B	Cylinder (Incl.2,20,72,72A) (3-1/8" B ore)
4 30968	2	27652	Pin, Dowel
4 30968	3	650820	Screw, 1/4-20 x 1/2"
5 90969 Cap, Oli drain 15 3 07000 16 3 0898C Rod Assy, Governor (Incl. 16A & 15B) 15B 650494 16 33454 17 29916 Carenor Lever Assy, 17 29916 Carenor Lever Assy, 18 650548 Screw, 8-32 x 5/16° 19 34683 Spring, Speed control 20 32630 Seal, Oll 25 36256A Baffle, Blower housing 26 650561 Screw, 14-20 x 5/6° 27 28918 Carenkshaft (Incl. 108 & 109) 28 5296C Screw, 10-32 x 34" 29 32 2916 Carenkshaft (Incl. 108 & 109) 35 29626 Screw, 10-32 x 34" 37 29216 Nut & Lockwasher, # 8 E.T. 37 29216 Nut & Lockwasher, # 8 E.T. 37 34 30322 Lockmut, Hex "Keps", 8-32 38 28642 Righ, Retaining 40 34552 Piston, Pin & Ring Set (Iot) (3-1/6") 40 34553 Piston, Pin & Ring Set (Iot) (0"OS) 40 34564 Piston, Pin & Ring Set (Iot) ("OS) 41 34329A Piston & Pin Assy, (1010" OS) 41 34331A Piston & Pin Assy, (1010" OS) (Incl. 43) 42 3433 Ring Set (Iot) ("OS) 43 32 34 Ring Set (Iot) ("OS) 44 3433 Ring Set (Iot) ("OS) 45 3291C Ring Set (Iot) ("OS) 46 3454 Piston, Pin & Ring Set (Iot) ("OS) 47 65062C Biolina ("Iot) Ring Set (Iot) ("OS) 48 34034 Ring Set (Iot) ("OS) 49 3424 Ring Set (Iot) ("OS) 40 3455 Ring Set (Iot) ("OS) 41 34331 Piston & Pin Assy, (Iot) ("OS)(Incl. 43) 42 3433 Ring Set (Iot) ("OS) 43 36 Ring Set (Iot) ("OS) 46 34034 Ring Set (Iot) ("OS) 47 65062C Biolina ("Iot) Ring Set (Iot) ("OS) 48 34034 Ring Set (Iot) ("OS) 49 34242 Dipper, (Iot) 40 3456 Grown Ring Set (Iot) ("OS) 41 3 3273A Extension, Blower housing 42 3236 Ring Set (Iot) ("OS) (Incl. 43) 43 2788 Ring Ring, Piston pin retaining 45 3256 Grown Ring, Piston pin retaining 46 3256 Grown Ring, Piston Pin Ring Set (Iot) 49 34242 Dipper, (Iot) 40 3456 Grown Ring 50 34143 Carenor Ring 50 34144 Carenor Ring 50 34145 Carenor			
15A 30700			• • • •
15 9699C Rod Assy, Governor (Incl. 15A & 15B) 16B 650494 Softe, 4-04 x 5/16° 16 34454 Governor Lever Assy, 17 29916 Carp, Governor Lever Assy, 18 650548 Screw, 8-32 x 5/16° 19 3463 Sorting, Speed control 20 32830 Seal, 01 21 32826A Baffle, Blower housing 26 650561 Screw, 14-20 x 58° 30 33719B Crankshaft (Incl. 108 & 109) 35 28626 Sorting, 10-32 x 34" 36 29918 Crankshaft (Incl. 108 & 109) 37 29216 Nut & Lockwasher, # 8 E T. 37 329216 Nut & Lockwasher, # 8 E T. 37 329216 Nut & Lockwasher, # 8 E T. 37 43 30322 Locknut, Hex "Keps", 8-32 Ring, Retaining 40 34553 Piston, Pin & Ring Set (1010' OS) 40 34553 Piston, Pin & Ring Set (1010' OS) 41 343304 Piston, Pin & Ring Set (1010' OS) 41 343314 Piston & Pin Assy, (2010' OS)(Incl. 43) 42 34332 Ring Set (310' OS)(Incl. 43) 42 34333 Ring Set (1010' OS) 43 3294 Piston, Pin & Ring Set (1010' OS) 44 27988 Ring, Piston pin etaining 45 32931C Rockson Pin Assy, (2010' OS)(Incl. 43) 48 34034 Piston & Pin Assy, (2010' OS) 49 34242 Dipper, Old 49 34242 Dipper, Old 50 32734 Extension, Elower housing 51 34126 Extension, Elower housing 52 5000 Screw, 8-32 x 38° 53 5000 Screw, 8-32 x 38° 54 500032 Screw, 14-20 x 1-21 to 1010' Sea, (2010' OS) 55 50004 Nasher, Pin Set (1010' OS) 56 50128 Screw, 14-20 x 1-21 to 1010' Sea, (2010' OS) 57 51 51 51 51 51 51 51 51 51 51 51 51 51			•
158 650494   Screw, 6-40 x 5/16"   16 33454   Covernor Lever Assy.   17 29916   Clamp, Governor lever   18 650548   Screw, 8-32 x 5/16"   19 34663   Spring, Speed control   25 352564   Baffle, Blower housing   26 650561   Screw, 17-20 x 5/8"   30 33719B   Screw, 17-20 x 5/8"   31 29216   Nut & Lockwasher, # 8 E.T.   37 29216   Nut & Lockwasher, # 0-32 "Keps"   37A 30322   Locknut, Hex "Keps", 8-32 a 38 29642   Ring, Retaining   40 34552   Piston, Pin & Ring Set (Std.) (3-1/8" ) 40 34554   Piston, Pin & Ring Set (Std.) (3-1/8" ) 41 34330A   Piston & Pin Assy, (Std)(Ind. 43)(3-1/8") 41 34331A   Piston & Pin Assy, (Std)(Ind. 43)(3-1/8") 42 34333   Ring Set (010" OS)   42 34334   Ring Set (010" OS)   42 34333   Ring Set (010" OS)   43 27888   Ring, Piston, Pin & Ring Cet (010" OS)   43 27888   Ring, Piston pin retaining   45 22991C   Rod Assy, Connecting (Ind. 49)   46 34224   Dipper, Oil   47 650662C   Bott, Connecting (Ind. 49)   48 34242   Dipper, Oil   50 34143   Camsheft (MCR)   51 32562   Ring Set (Std.) (3-1/8" Sore)   52 32562   Ring Set (Std.) (3-1/8" Sore)   53 3662   Ring Set (Std.) (3-1/8" Sore)   54 32662   Ring,			
16 33454 Governor Lever Assy. 17 29916 Clamp, Governor lever 18 650548 Screw, 8-32 v, 5/16" 19 34663 Spring, Speed control 20 32530 Seal, Oil 25 35256A Baffle, Blower housing 26 650561 Screw, 1/4-20 x, 5/6" 30 33719B Crankshaft (Ind. 108 & 109) 35 29826 Screw, 1/4-20 x, 5/6" 36 29918 Lockwasher, 10-32 "Keps" 37 29216 Nut & Lockwasher, 10-32 "Keps" 37 29216 Lockwusher, 10-32 "Keps" 40 34552 Lockwut, Hex "Keps", 8-32 Lockwusher, 10-32 "Keps" 40 34553 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34554 Piston, Pin & Ring Set (Std.) (3-1/8") 41 34330A Piston & Pin Assy. (Std.)(Ind. 43)(3-1/8") 41 34331A Piston & Pin Assy. (100" OS)(Ind. 43) 41 34331A Piston & Pin Assy. (100" OS)(Ind. 43) 42 34332 Ring Set (Std.) (3-1/8" Bore) 43 37888 Ring Set (O20" OS) 43 37888 Ring Set (O20" OS) 44 34334 Ring Set (O20" OS) 45 34334 Ring Set (O20" OS) 46 34034 Lifter, Valve 47 650662C Bolt, Connecting (Ind. 49) 48 34242 Dipper, Oil 50 33273A Exhance Connecting (Ind. 49) 51 3367 Piston (Ind. 7) Pisto			
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25 35256A Baffle, Blower housing 26 650561 Screw, 1/4-20 x 5/81° 30 33719B Crankshaft (Incl. 108 & 109) 35 29826 Screw, 10-32 x 3/4° 36 29918 Lockwasher, 10-32 x 3/4° 37 29216 Nut & Lockwasher, 10-32 x 3/4° 38 29642 Ring, Retaining 40 34552 Piston, Pin & Ring Set (Std.) (3-1/8") 40 34554 Piston, Pin & Ring Set (Cl.01" OS) 41 34329A Piston & Pin Assy, (Std)(Incl. 43)(3-1/8") 41 34330A Piston & Pin Assy, (Std)(Incl. 43)(3-1/8") 41 34331A Piston & Pin Assy, (Std)(Incl. 43)(3-1/8") 42 34332 Ring Set (Std.) (3-1/8" Bore) 43 333 Ring Set (Std.) (3-1/8" Bore) 43 3278A Ring Set (O20" OS) 43 27888 Ring, Piston pin retaining 45 32591C Rod Assy, Connecting (Incl. 49) 46 34242 Dipper, Oil 50 34143 Camshaft (MCR) 51 34126 Extension, Blower housing 61 34126 Screw, 8-32 x 3/8" Growner mounting 62 650760 Screw, 8-32 x 3/8" Growner for Cylinder Cover 70 33367B Screw, 13-28 Pin, Restaining 86 650833 Screw, 13-28 Pin, Restaining 87 650832 Screw, 13-28 Pin, Restaining 88 Pin, Restaining 89 660833 Screw, 11-28 Pin, Restaining 89 560861 Screw, 11-28 Pin, Restaining 80 660833 Screw, 14-20 x 1-11/16" Keyshell 80 35599 Keyshell 80 35590 Kut Her, Playwell 80 4859, Covernor (Incl. 81) 80 560863 Nut, Hex (12-20) (Add-on alternator) 80 50060 Screw, 14-20 x 1-11/16" Keyshell 80 500861 Sut, Hex (12-20) (Add-on alternator) 80 50060 Screw, 14-20 x 1-11/16" Keyshell 80 500861 Sut, Hex (12-20) (Add-on alternator) 80 50060 Sut, Hex (12-20) (Add-on alternator)			
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47 650662C 48 34034 49 34024 Dipper, Oil Camshaft (MCR) 60 33273A Extension, Blower housing 61 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) 87 31950 Sala 31845 Shaft, Mechanical governor 81 30590A Washer, Flat 82 30591 Gear Assy., Governor 84 29193 Sefection of the street of	43	27888	Ring, Piston pin retaining
48 34034 49 34242 50 34143 60 33273A 61 34126 62 650760 63 28545 65 650128 69 35262 70 33367B 71 33368 72 27642 75 31950 80 31845 81 30590A 82 30591 83 30588A 84 29193 86 650833 85 45 87 87 850832 87 650832 88 34128 80 31845 81 20 3650863 81 21fter, Valve Dipper, Oil Di	45	32591C	Rod Assy., Connecting (Incl. 49)
49       34242       Dipper, Oil         50       34143       Camshaft (MCR)         60       33273A       Extension, Blower housing         61       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)         83       30588A       Spool, Governor         84       29193       Ring, Retaining         86       650832       Screw, 1/4-20 x 1-3/16"         87       650832       Screw, 1/4-20 x 1-31/16"         89       32589       Key, Flywheel         92       650815       Washer, Belleville         93       650863	47	650662C	Bolt, Connecting rod (2 pieces)
50 34143 Camshaft (MCR) 60 33273A Extension, Blower housing 61 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) 83 30588A Spool, Governor 84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-3/16" 87 650832 Screw, 1/4-20 x 1-11/16" 89 32589 Key, Flywheel 92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)	48	34034	Lifter, Valve
50 34143 60 33273A Extension, Blower housing 61 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 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) 83 30588A Spool, Governor 84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-3/16" 87 650832 Screw, 1/4-20 x 1-11/16" Key, Flywheel 92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)	49	34242	Dipper, Oil
60 33273A Extension, Blower housing 61 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) 83 30588A Spool, Governor 84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-3/16" 87 650832 Screw, 1/4-20 x 1-11/16" 89 32589 Key, Flywheel 92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)	50	34143	Camshaft (MCR)
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) 83 30588A Spool, Governor 84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-3/16" 87 650832 Screw, 1/4-20 x 1-11/16" 89 32589 Key, Flywheel 92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)	60	33273A	
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) 83 30588A Spool, Governor 84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-3/16" 87 650832 Screw, 1/4-20 x 1-11/16" 89 32589 Key, Flywheel 92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)	61	34126	Bracket, Grommet mounting
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) 83 30588A Spool, Governor 84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-3/16" 87 650832 Screw, 1/4-20 x 1-11/16" 89 32589 Key, Flywheel 92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)	62	650760	——————————————————————————————————————
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)         83       30588A       Spool, Governor         84       29193       Ring, Retaining         86       650833       Screw, 1/4-20 x 1-3/16"         87       650832       Screw, 1/4-20 x 1-11/16"         89       32589       Key, Flywheel         92       650815       Washer, Belleville         93       650863       Nut, Hex (1/2-20) (Add-on alternator)         101       610118       Cover, Spark plug (Use as required)			
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)         83       30588A       Spool, Governor         84       29193       Ring, Retaining         86       650833       Screw, 1/4-20 x 1-3/16"         87       650832       Screw, 1/4-20 x 1-11/16"         89       32589       Key, Flywheel         92       650815       Washer, Belleville         93       650863       Nut, Hex (1/2-20) (Add-on alternator)         101       610118       Cover, Spark plug (Use as required)			
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)         83       30588A       Spool, Governor         84       29193       Ring, Retaining         86       650833       Screw, 1/4-20 x 1-3/16"         87       650832       Screw, 1/4-20 x 1-11/16"         89       32589       Key, Flywheel         92       650815       Washer, Belleville         93       650863       Nut, Hex (1/2-20) (Add-on alternator)         101       610118       Cover, Spark plug (Use as required)			·
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)         83       30588A       Spool, Governor         84       29193       Ring, Retaining         86       650833       Screw, 1/4-20 x 1-3/16"         87       650832       Screw, 1/4-20 x 1-11/16"         89       32589       Key, Flywheel         92       650815       Washer, Belleville         93       650863       Nut, Hex (1/2-20) (Add-on alternator)         101       610118       Cover, Spark plug (Use as required)			
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)         83       30588A       Spool, Governor         84       29193       Ring, Retaining         86       650833       Screw, 1/4-20 x 1-3/16"         87       650832       Screw, 1/4-20 x 1-11/16"         89       32589       Key, Flywheel         92       650815       Washer, Belleville         93       650863       Nut, Hex (1/2-20) (Add-on alternator)         101       610118       Cover, Spark plug (Use as required)			
75       31950       Seal, Oil         80       31845       Shaft, Mechanical governor         81       30590A       Washer, Flat         82       30591       Gear Assy., Governor (Incl. 81)         83       30588A       Spool, Governor         84       29193       Ring, Retaining         86       650833       Screw, 1/4-20 x 1-3/16"         87       650832       Screw, 1/4-20 x 1-11/16"         89       32589       Key, Flywheel         92       650815       Washer, Belleville         93       650863       Nut, Hex (1/2-20) (Add-on alternator)         101       610118       Cover, Spark plug (Use as required)			
80       31845       Shaft, Mechanical governor         81       30590A       Washer, Flat         82       30591       Gear Assy., Governor (Incl. 81)         83       30588A       Spool, Governor         84       29193       Ring, Retaining         86       650833       Screw, 1/4-20 x 1-3/16"         87       650832       Screw, 1/4-20 x 1-11/16"         89       32589       Key, Flywheel         92       650815       Washer, Belleville         93       650863       Nut, Hex (1/2-20) (Add-on alternator)         101       610118       Cover, Spark plug (Use as required)			
81 30590A Washer, Flat 82 30591 Gear Assy., Governor (Incl. 81) 83 30588A Spool, Governor 84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-3/16" 87 650832 Screw, 1/4-20 x 1-11/16" 89 32589 Key, Flywheel 92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)			
82       30591       Gear Assy., Governor (Incl. 81)         83       30588A       Spool, Governor         84       29193       Ring, Retaining         86       650833       Screw, 1/4-20 x 1-3/16"         87       650832       Screw, 1/4-20 x 1-11/16"         89       32589       Key, Flywheel         92       650815       Washer, Belleville         93       650863       Nut, Hex (1/2-20) (Add-on alternator)         101       610118       Cover, Spark plug (Use as required)			
83 30588A Spool, Governor 84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-3/16" 87 650832 Screw, 1/4-20 x 1-11/16" 89 32589 Key, Flywheel 92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)			
84 29193 Ring, Retaining 86 650833 Screw, 1/4-20 x 1-3/16" 87 650832 Screw, 1/4-20 x 1-11/16" 89 32589 Key, Flywheel 92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)			
86 650833 Screw, 1/4-20 x 1-3/16" 87 650832 Screw, 1/4-20 x 1-11/16" 89 32589 Key, Flywheel 92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)			•
87 650832 Screw, 1/4-20 x 1-11/16" 89 32589 Key, Flywheel 92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)			
89       32589       Key, Flywheel         92       650815       Washer, Belleville         93       650863       Nut, Hex (1/2-20) (Add-on alternator)         101       610118       Cover, Spark plug (Use as required)			
92 650815 Washer, Belleville 93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)			·
93 650863 Nut, Hex (1/2-20) (Add-on alternator) 101 610118 Cover, Spark plug (Use as required)			
101 610118 Cover, Spark plug (Use as required)			
103 000409 SCIEW, 1/4-20 X 3/6			
	103	OUU-O3	OGGW, 1/4-20 A J/O

		D 1.0
	•	Description
108 297		Pin, Crankshaft gear
109 332		Gear, Crankshaft
110 342		Ground Wire
119 340		* Gasket, Head
120 340	030A	Head, Cylinder
125 278	878A	Exhaust Valve (Std.) (Incl. 151)
125 278	880A	Exhaust Valve (1/32" OS) (Incl. 151)
126 340	035	Intake Valve (Std.) (Incl. 151)
126 340	036	Intake Valve (1/32" OS) (Incl. 151)
127A 260		Washer, Flat (Use as required)
127A 650		Washer, Flat (Use as required)
127 650		Washer (Use as req., but not w/6021A screw)
128 650		Washer, Belleville
129 650		Screw, 5/16-18 x 1-3/4" (Use as requi red)
130A 602		Screw, 5/16-18 x 1-1/2" (Use as required, but do notuse with
100/1 002		650691 washer)
130 650	0694A	Screw, 5/16-18 x 2" (Use as required)
131A 650	0713	Screw, 5/16-18 x 5/8" (Use as require d)
131A 792	2028	Screw, 5/16-18 x 7/8" (Use as require d)
131 650	0802	Screw, 1/4-20 x 5/8" (Use as required )
131 650		Screw, 1/4-20 x 1/2" (Use as required )
131 650		Screw, 1/4-20 x 5/8" (Use as required )
135 336		Resistor Spark Plug (RJ17LM)
139 333		Bracket, Governor gear
140 650		Screw, 10-24 x 1/2"
149A 358		Seal Assy., Intake valve
149 278		Cap, Upper valve spring
150 278		Spring, Valve
151 325		Cap, Lower valve spring
169 278		* Gasket, Breather cover
170 284		Body, Breather
170 284		Element, Breather
171 284		·
		Cover, Valve spring
173 353		Tube, Breather
174 650		Screw, 10-24 x 1/2"
174 650		Screw, 10-24 x 5/8"
178 297		Nut & Lockwasher, 1/4-28
179B 305		Clip, Primer line (Use as required)
182 300		Screw, 1/4-28 x 1"
184 332		* Gasket, Carburetor
185 338		Pipe, Intake
203 313		Spring, Compression
204 650		Screw, 5-40 x 7/16"
206 610		Terminal Assy. (Use as required)
210 277	793	Clip, Conduit
211 289	942	Screw, 10-32 x 3/8"
223 650	0378	Screw, Torx T-30, 5/16-18 x 1-1/8 "
224 279		* Gasket, Intake pipe
260 354		Blower Housing (For electric starter)
261 650		Screw, 5/16-18 x 3/4" (Use as require d)
262 297		Screw, 5/16-24 x 21/32"
265 332		Cover, Cylinder head
275C 358		Muffler (Optional quiet muffler)
275 350		Muffler
276 315		Plate, Muffler locking
277 651		Screw, 5/16-18 x 4-3/16"
277 650 277A 650		Screw, 5/16-18x2-3/4" (Used with 276A)
211A 000	0000	OCIOW, J/ 10-10/2-3/4 (USGU WILLI Z/O/1)

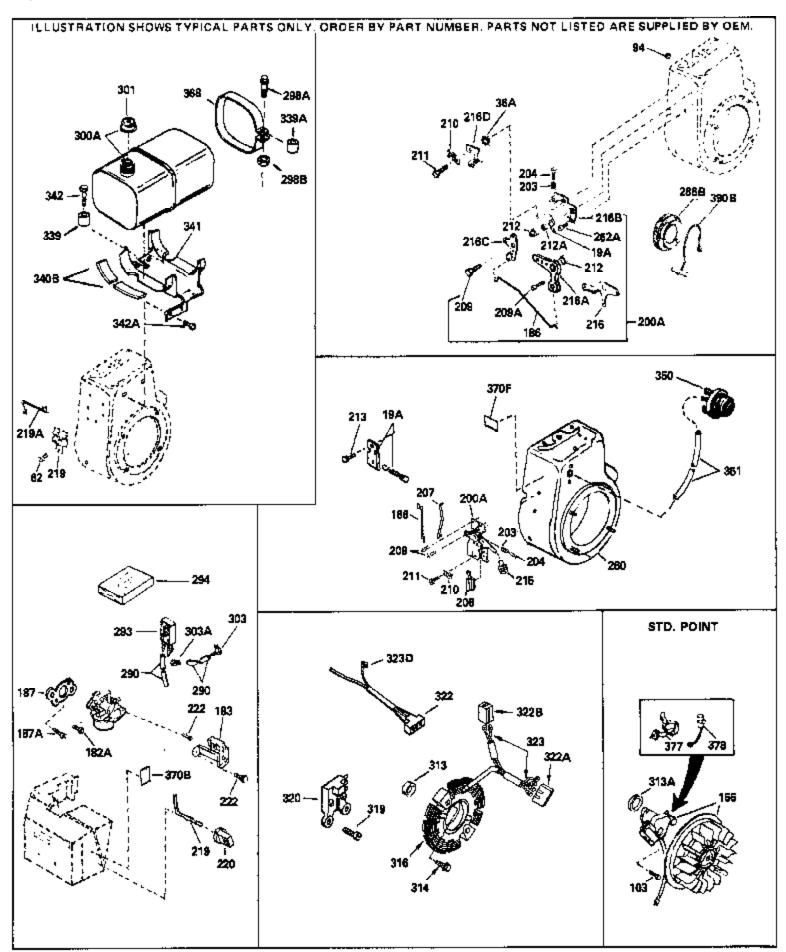
Ref #	Part Number	Qtv	Description
281 282 286B 287 290 290 290 292 298	33013 650760 33662 29752 29774 30705 30962 26460 650665 34156A	Qiy	Cover, Starter bubble Screw, 8-32 x 3/8" Hub & Screen Assy., Starter Nut & Lockwasher, 1/4-28 Fuel Line (Braided 8-1/4")(21 cm)(As req.) Fuel Line (Braided 16")(41 cm)(Use as req.) Fuel Line (Braided 32")(81 cm)(Use as req.) Clamp, Fuel line (Use as required) 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
	410144B 33032		1-1/2" I.D. opening use fuel cap 35355.  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)
305 306 310 325 325 336 337 338 340 341 342 355 356 359 360 364 365 370J 370A 370D 370D 370E 370	35355 33893A 33590 34011A 29443 34246 650765 35057A 28942 34154 34155 650561 590574 650168 34141 32576 33377 650767 34870 34686 34144 34414 35080 34346 631021 632334A		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) Screw, 10-32 x 1/2" Cover, Carburetor Screw, 10-32 x 3/8" Plate, Fuel tank mounting Bracket, Fuel tank mounting Screw, 1/4-20 x 5/8" Handle, Mitten grip Washer, Flat Guard, Starter Seal, Snow guard Bracket, Carburetor cover mounting Screw, 8-32 x 27/64" Decal, Instruction Can be used on HM80 with diecast starter. Decal, Name Decal, Primer Decal, Warning Decal, Instruction Inlet Needle, Seat & Clip Assy. Carburetor (Incl. 184) (Refer to Division 5, Section A, page 188 for breakdown or Fiche18A-1, Grid F-5)
390	590606		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)

	<b>.</b>	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 & 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).



Ref #	Part Number	Qty	Description
62	650760	•	Screw, 8-32 x 3/8"
	28545		Grommet, Plastic
	31855		Retainer, Bearing
	31000		
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 )
	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"
227	730127		Air Cleaner Ass'y. (Incl.238,239,240,241,243,245 & 370)
			(Use as required)
	700404		A. O. A. I. (I. I. 200 200 240 244 240 2 245) (I.I.
227	730164		Air Cleaner Ass'y. (Incl. 238, 239, 240, 241, 243 & 245) (Use
			as required)
0004	050004		0. 1.4/4.00 7.00 (1.1
	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)
			,
245A	34700		Element, Air cleaner
274	35865		Gasket, Exhaust (Use as required)
	391026		Muffler (Incl. 284, 284A & 416A) (This spark arresting muffler
2.05	001020		can be used on any model.)
			can be used on any model.)
275C	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)
298	650665		Screw, 1/4-15 x 7/8"
369	35857		Valve, Fuel shut-off
	34870		Decal, Instruction Can be used on HM80 with diecast starter.
3705	34387		Decal, Instruction Can be used on HM80 with stamped steel
			recoil starter.
395	33329D		Starter Motor Kit (110-120 Volt) This 110-120 volt starter
999	30023D		
			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)
100	0==00		
409	35569		Spacer (Can be used on HM80 with stamped steel recoil
			starter)
440	700570		Debrie Comes 16t /brel 200 270D 207 444 9 442) /Combs
410	730573		Debris Screen Kit (Incl. 360, 370B, 387, 411 &413) (Can be
			used on HM80 with stamped steel recoil starter)
444	OFFC0		Debrie Careen (Can be used an LIMO) with stamped steel
411	35568		Debris Screen (Can be used on HM80 with stamped steel
			recoil starter)
412	CE0007		Corour E/16 10 x 1 E/0" (Con be used on LIMO) with
413	650907		Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with
			stamped steel recoil starter)
115	730130		Exh.Adapter Kit (Incl.274,277)(Use as req.)
425	730572		Starter Muff Kit (Incl. 370J, 426 & 427) (Can be used on
			HM80 with die cast starter)
400	650969		Coroux 0.10 v.1.1/0" (2. Dogwinad) // loo as required) /Defents
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).



Ref #	Part Number Qt	/ Description
103	650760 650489 610848	Screw, 8-32 x 3/8" Screw, 1/4-20 x 5/8" Magneto (w/ring gear for 110 volt sta rter) 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
186 200A 203 204 206 207 209 210 211 219 220 222 260 275C 277A 286B 290 290 290	34587 34667 34664 31342 650549 610973 33878 650821 27793 28942 34586 35438 28820 35447A 35824 650696 33662 29774 30705 30962 410144B 33032	Bracket, Choke 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" Rod, Choke Knob, Control Screw, 10-32 x 1/2" 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 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 339 341 342 350 351	35355 33876 35038 34155 650561 570682 32180C 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" Primer Assy. Primer Line 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)

Ref #	Part Number	Qty	Description
	650907	<b>y</b>	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).