

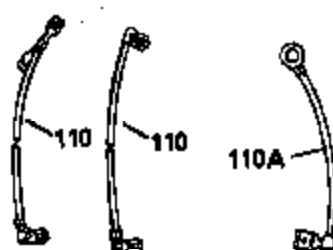
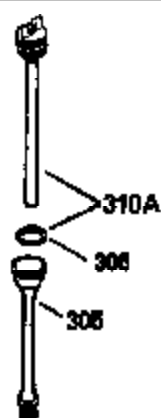
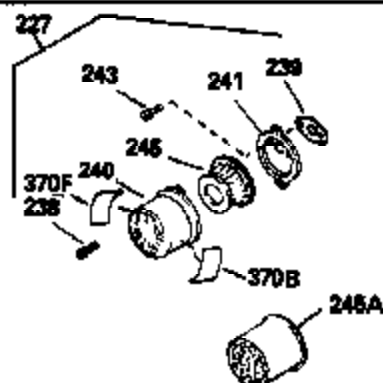
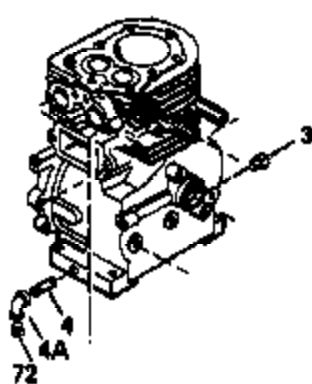
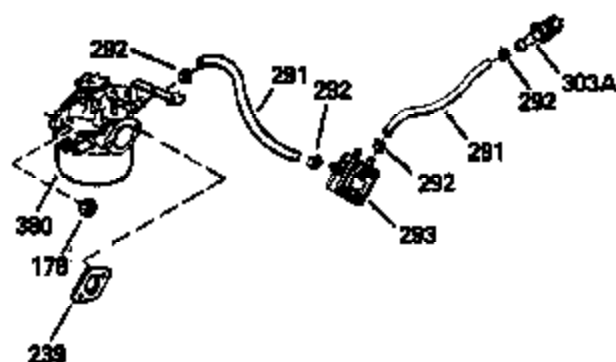
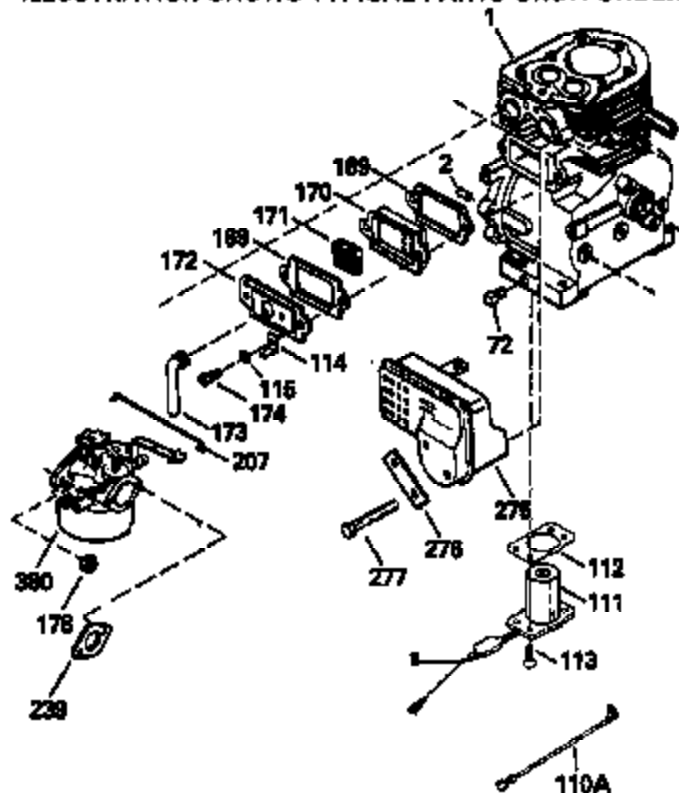


| Ref # | Part Number | Qty | Description                                   |
|-------|-------------|-----|-----------------------------------------------|
| 1     | 35385       |     | Cylinder (Incl. 2,20,72,72A) (3-1/8" Bore)    |
| 2     | 27652       |     | Pin, Dowel                                    |
| 15B   | 650494      |     | Screw, 6-40 x 5/16"                           |
| 15A   | 30700       |     | Yoke, Governor                                |
| 15    | 30699C      |     | Rod Assy., Governor (Incl. 15A & 15B)         |
| 16    | 33454       |     | Governor Lever Assy.                          |
| 17    | 29916       |     | Clamp, Governor lever                         |
| 18    | 650548      |     | Screw, 8-32 x 5/16"                           |
| 20    | 35319       |     | Seal, Oil                                     |
| 25    | 36460       |     | Baffle, Blower housing                        |
| 26    | 650561      |     | Screw, 1/4-20 x 5/8"                          |
| 30    | 35372A      |     | Crankshaft                                    |
| 35    | 29826       |     | Screw, 10-32 x 3/4"                           |
| 36    | 29918       |     | Lockwasher, # 8 E.T.                          |
| 37A   | 30322       |     | Locknut, 8-32                                 |
| 37    | 29216       |     | Nut & Lockwasher, 10-32                       |
| 38    | 29642       |     | Ring, Retaining                               |
| 40    | 34552       |     | Piston, Pin & Ring Set (Std.) (3-1/8" Bore)   |
| 40    | 34553       |     | Piston, Pin & Ring Set (.010" OS)             |
| 40    | 34554       |     | Piston, Pin & Ring Set (.020" OS)             |
| 41    | 34329A      |     | Piston & Pin Ass'y. (3-1/8")(Std.)(In cl. 43) |
| 41    | 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    | 35373A      |     | Rod Assy., Connecting (Incl. 49)              |
| 46    | 650908      |     | Bolt, Connecting rod                          |
| 47    | 650882      |     | Bolt, Connecting rod                          |
| 48    | 34034       |     | Lifter, Valve                                 |
| 49    | 35374       |     | Dipper, Oil                                   |
| 50    | 35375       |     | Camshaft (MCR)                                |
| 60    | 33273A      |     | Extension, Blower housing                     |
| 65    | 650128      |     | Screw, 10-24 x 1/2"                           |
| 69    | 35262       |     | * Gasket, Cylinder cover                      |
| 70    | 35376       |     | Cover, Cylinder (Incl. 75, 80, 311 & 312)     |
| 71    | 35377       |     | Bushing, Crankshaft                           |
| 72    | 27642       |     | Plug, Oil drain                               |
| 75    | 35319       |     | Seal, Oil                                     |
| 80    | 31845       |     | Shaft, Mechanical governor                    |
| 81    | 30590A      |     | Washer, Flat                                  |
| 82    | 35378       |     | 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                                 |
| 90    | 611094      |     | Flywheel (7 amp, w/ring gear)                 |
| 92    | 650880      |     | Washer, Belleville                            |
| 93    | 650881      |     | Hex Nut, 5/8-18                               |
| 100   | 35135       |     | Lamination Assy., Solid State                 |
| 102   | 650872      |     | Stud, Lamination mounting                     |
| 103   | 650814      |     | Screw, Torx T-15, 10-24 x 1"                  |
| 119   | 34041A      |     | * Gasket, Head                                |
| 120   | 34030A      |     | Head, Cylinder                                |
| 125   | 27878A      |     | Exhaust Valve (Std.) (Incl. 151)              |
| 125   | 27880A      |     | Exhaust Valve (1/32" OS) (Incl. 151)          |

| Ref # | Part Number | Qty | Description                                                   |
|-------|-------------|-----|---------------------------------------------------------------|
| 126   | 34035       |     | Intake Valve (Std.) (Incl. 151)                               |
| 126   | 34036       |     | Intake Valve (1/32" OS) (Incl. 151)                           |
| 127   | 650691      |     | Washer (Use as req., but not w/6021A screw)                   |
| 128   | 650690      |     | Washer, Belleville                                            |
| 129   | 650727      |     | Screw, 5/16-18 x 1-3/4" (Use as required)                     |
| 130A  | 6021A       |     | Screw, 5/16-18 x 1-1/2" (Use as req.,but not w/650691 washer) |
| 130   | 650694A     |     | Screw, 5/16-18 x 2" (Use as required)                         |
| 131A  | 650713      |     | Screw, 5/16-18 x 5/8" (Use as required)                       |
| 139   | 33369       |     | Bracket, Governor gear                                        |
| 140   | 650836      |     | Screw, 10-24 x 1/2"                                           |
| 149A  | 27882       |     | Cap, Upper valve spring                                       |
| 149A  | 35862       |     | Seal Assy., Intake valve                                      |
| 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                                                |
| 178   | 29752       |     | Nut & Lockwasher, 1/4-28                                      |
| 182   | 30088A      |     | Screw, 1/4-28 x 1"                                            |
| 184   | 33263       |     | * Gasket, Carburetor                                          |
| 185   | 34707       |     | Pipe, Intake                                                  |
| 186   | 34661       |     | Link, Governor                                                |
| 200   | 34664       |     | Control Bracket (Incl. 203, 204, 206 & 209)                   |
| 203   | 31342       |     | Spring, Compression                                           |
| 204   | 650549      |     | Screw, 5-40 x 7/16"                                           |
| 206   | 610973      |     | Terminal Assy. (Use as required)                              |
| 207   | 33878       |     | Link, Governor-to-throttle                                    |
| 209   | 650821      |     | Screw, 10-32 x 1/2"                                           |
| 210   | 27793       |     | Clip, Conduit                                                 |
| 211   | 28942       |     | Screw, 10-32 x 3/8"                                           |
| 223   | 650378      |     | Screw, Torx T-30, 5/16-18 x 1-1/8"                            |
| 224   | 27915A      |     | * Gasket, Intake pipe                                         |
| 260   | 33375D      |     | Blower Housing (For electric starter)                         |
| 261   | 650788      |     | Screw, 5/16-18 x 3/4"                                         |
| 262   | 29747B      |     | Screw, 5/16-24 x 21/32"                                       |
| 265   | 33272B      |     | Cover, Cylinder head                                          |
| 275   | 35056       |     | Muffler                                                       |
| 277   | 650628A     |     | Screw, 5/16-18 x 2-3/8"                                       |
| 286   | 35194       |     | Screen, Starter                                               |
| 287   | 29752       |     | Nut & Lockwasher, 1/4-28                                      |
| 290   | 30705       |     | Fuel Line (Braided 16") (41 cm)                               |
| 292   | 26460       |     | Clamp, Fuel line                                              |
| 298   | 650665      |     | Screw, 1/4-15 x 7/8"                                          |
| 305   | 35554       |     | Tube, Oil fill                                                |
| 306   | 29673       |     | * Gasket, Oil fill                                            |
| 306   | 35499       |     | "O" Ring                                                      |
| 308   | 35540       |     | Clip, Fill tube                                               |
| 310A  | 35941       |     | Dipstick (Incl. 306)                                          |
| 319   | 650874      |     | Screw, 10-32 x 15/32"                                         |
| 320   | 611098      |     | Regulator Assy. (7 amp DC) (External Ign.)                    |
| 325   | 34246       |     | Clip, Ground wire (Use as required)                           |
| 325B  | 29443       |     | Clip, Fuel line (Use as required)                             |
| 327   | 35392       |     | Plug, Starter                                                 |

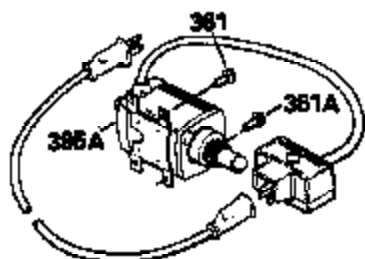
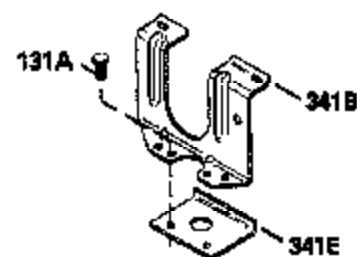
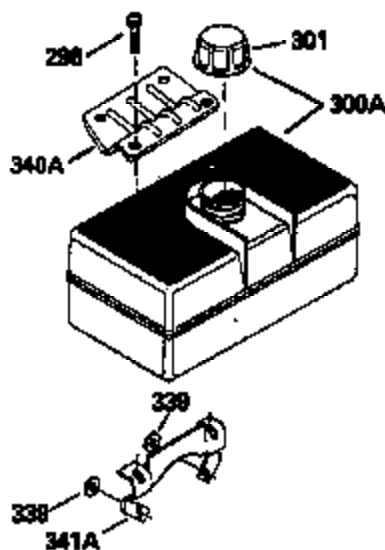
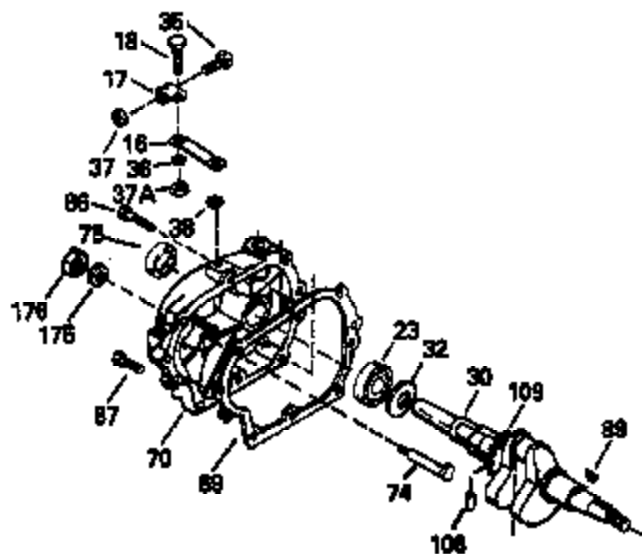
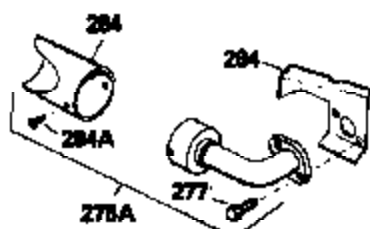
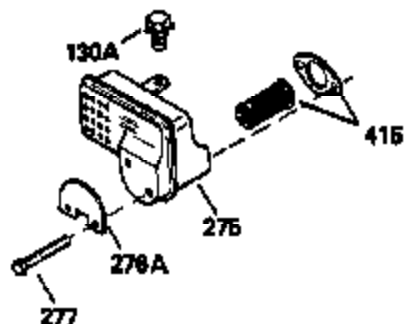
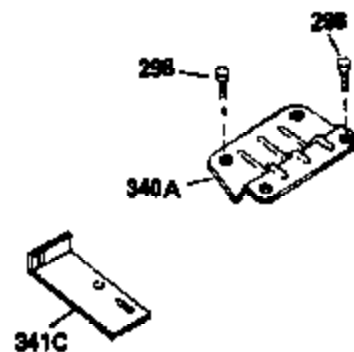
| Ref # | Part Number | Qty | Description                                                                                                                                                                                                  |
|-------|-------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 329   | 610973      |     | Terminal Assy.                                                                                                                                                                                               |
| 330A  | 34070       |     | Wire Harness (24-1/4") (7 Amp)                                                                                                                                                                               |
| 330   | 34069       |     | Wire Harness (6-3/4") (7 Amp)                                                                                                                                                                                |
| 336   | 650765      |     | Screw, 10-32 x 1/2"                                                                                                                                                                                          |
| 342   | 650561      |     | Screw, 1/4-20 x 5/8"                                                                                                                                                                                         |
| 342   | 30063       |     | Screw, Torx T-30, 1/4-20 x 1/2"                                                                                                                                                                              |
| 361   | 650820      |     | Screw, 1/4-20 x 1/2"                                                                                                                                                                                         |
| 361A  | 30063       |     | Screw, Torx T-30, 1/4-20 x 1/2"                                                                                                                                                                              |
| 370   | 34346       |     | Decal, Instruction                                                                                                                                                                                           |
| 370   | 35274       |     | Decal, Instruction                                                                                                                                                                                           |
| 370J  | 34870       |     | Decal, Instruction Can be used on HM80 with diecast starter.                                                                                                                                                 |
| 370A  | 34686       |     | Decal, Name                                                                                                                                                                                                  |
| 370B  | 34387       |     | Decal, Instruction Can be used on HM80 with stamped steel recoil starter.                                                                                                                                    |
| 379   | 631021      |     | Inlet Needle, Seat & Clip Assy.                                                                                                                                                                              |
| 380   | 632351      |     | Carburetor (Incl. 184) (Refer to Division 5, Section A, page A3-14 for breakdown or Fiche 18A-2, Grid F-7)                                                                                                   |
| 395   | 35763A      |     | Electric Starter Motor (12 Volt) (Refer to service number stamped on end cap of motor, or on decal, for identification. Refer to Division 5, Section D, for breakdown or Fiche 18A-2, Grids G-4, G-5 or G-6) |
| 400   | 33279G      |     | Gasket Set (Incl. items marked*)                                                                                                                                                                             |
| 407   | 35836       |     | Fill Tube & Dipstick Assy. (Incl. 306 & 308)                                                                                                                                                                 |
| 420   | 730225      |     | SAE 30, 4-Cycle Engine Oil (Quart)                                                                                                                                                                           |
| 421   | 730226      |     | SAE 5W30, 4-Cycle Engine Oil (Quart)                                                                                                                                                                         |

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| Ref # | Part Number | Qty | Description                                                                                                |
|-------|-------------|-----|------------------------------------------------------------------------------------------------------------|
| 1     | 35385       |     | Cylinder (Incl. 2,20,72,72A) (3-1/8" Bore)                                                                 |
| 2     | 27652       |     | Pin, Dowel                                                                                                 |
| 72    | 27642       |     | Plug, Oil drain                                                                                            |
| 169   | 27896A      |     | * Gasket, Breather cover                                                                                   |
| 170   | 28423       |     | Body, Breather                                                                                             |
| 171   | 28424       |     | Element, Breather                                                                                          |
| 172   | 28425       |     | Cover, Valve spring                                                                                        |
| 173   | 35350       |     | Tube, Breather                                                                                             |
| 178   | 29752       |     | Nut & Lockwasher, 1/4-28                                                                                   |
| 207   | 33878       |     | Link, Governor-to-throttle                                                                                 |
| 227   | 730127      |     | Air Cleaner Ass'y. (Incl. 238, 239, 240, 241, 243, 245 & 370)(Use as required)                             |
| 227   | 730164      |     | Air Cleaner Ass'y. (Incl. 238, 239, 240, 241, 243 & 245) (Use as required)                                 |
| 228   | 650824      |     | Stud, 1/4-20 x 7.33 (Use as required)                                                                      |
| 228   | 650851      |     | Stud, 1/4-20 x 8.1 (Use as required)(Used with drilled thru elbow)                                         |
| 240   | 31715       |     | Body, Air cleaner                                                                                          |
| 241   | 31691       |     | Bracket, Air cleaner                                                                                       |
| 245   | 30727       |     | Element, Air cleaner                                                                                       |
| 275   | 35056       |     | Muffler                                                                                                    |
| 277   | 650628A     |     | Screw, 5/16-18 x 2-3/8"                                                                                    |
| 292   | 26460       |     | Clamp, Fuel line                                                                                           |
| 305   | 35554       |     | Tube, Oil fill                                                                                             |
| 306   | 29673       |     | * Gasket, Oil fill                                                                                         |
| 306   | 35499       |     | "O" Ring                                                                                                   |
| 310A  | 35941       |     | Dipstick (Incl. 306)                                                                                       |
| 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.                                  |
| 380   | 632351      |     | Carburetor (Incl. 184) (Refer to Division 5, Section A, page A3-14 for breakdown or Fiche 18A-2, Grid F-7) |

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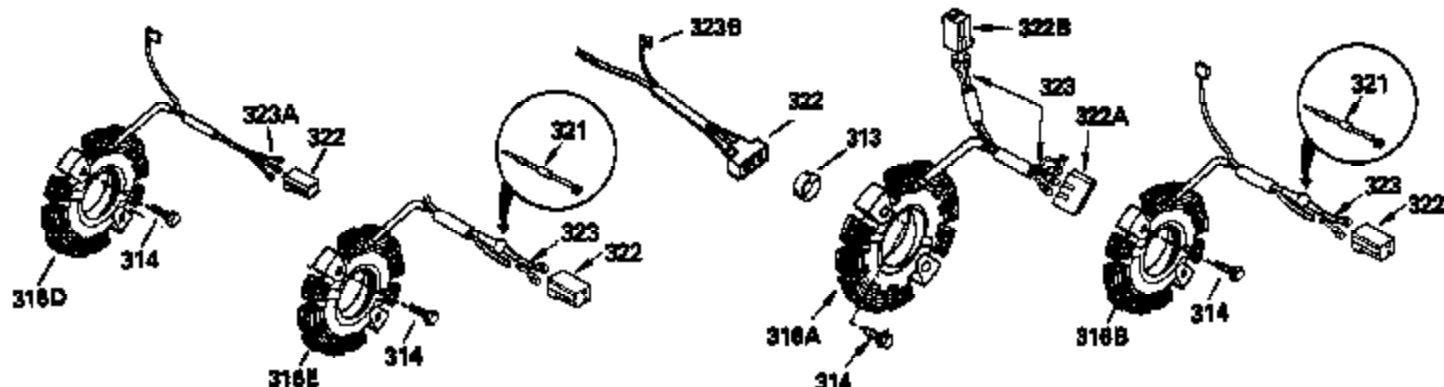
| Ref # | Part Number | Qty | Description                                                   |
|-------|-------------|-----|---------------------------------------------------------------|
| 16    | 33454       |     | Governor Lever Assy.                                          |
| 17    | 29916       |     | Clamp, Governor lever                                         |
| 18    | 650548      |     | Screw, 8-32 x 5/16"                                           |
| 30    | 35372A      |     | Crankshaft                                                    |
| 35    | 29826       |     | Screw, 10-32 x 3/4"                                           |
| 36    | 29918       |     | Lockwasher, # 8 E.T.                                          |
| 37    | 29216       |     | Nut & Lockwasher, 10-32                                       |
| 37A   | 30322       |     | Locknut, 8-32                                                 |
| 38    | 29642       |     | Ring, Retaining                                               |
| 69    | 35262       |     | * Gasket, Cylinder cover                                      |
| 70    | 35376       |     | Cover, Cylinder (Incl. 75, 80, 311 & 312)                     |
| 75    | 35319       |     | Seal, Oil                                                     |
| 86    | 650833      |     | Screw, 1/4-20 x 1-3/16"                                       |
| 87    | 650832      |     | Screw, 1/4-20 x 1-11/16"                                      |
| 89    | 32589       |     | Key, Flywheel                                                 |
| 130A  | 6021A       |     | Screw, 5/16-18 x 1-1/2" (Use as req.,but not w/650691 washer) |
| 131A  | 650713      |     | Screw, 5/16-18 x 5/8" (Use as require d)                      |
| 131   | 650802      |     | Screw, 1/4-20 x 5/8" (Use as required )                       |
| 131   | 650738      |     | Screw, 1/4-20 x 5/8 (Use as required)                         |
| 274   | 35865       |     | Gasket, Exhaust (Use as required)                             |
| 275   | 35056       |     | Muffler                                                       |
| 277   | 650628A     |     | Screw, 5/16-18 x 2-3/8"                                       |
| 298   | 650665      |     | Screw, 1/4-15 x 7/8"                                          |
| 314   | 650873      |     | Screw, 1/4-20 x 3/4"                                          |
| 323   | 610922      |     | Terminal                                                      |
| 361A  | 30063       |     | Screw, Torx T-30, 1/4-20 x 1/2"                               |
| 361   | 650820      |     | Screw, 1/4-20 x 1/2"                                          |
| 366   | 33621       |     | Elbow, Exhaust                                                |
| 367   | 8274        |     | Washer, Lock                                                  |
| 370J  | 34870       |     | Decal, Instruction Can be used on HM80 with diecast starter.  |
| 415   | 730130      |     | Exh.Adaptor Kit (Incl.274,277)(As req uired)                  |



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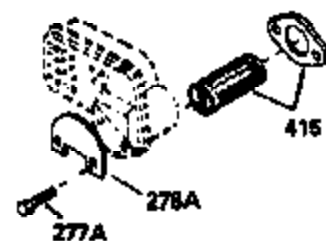
STD. POINT



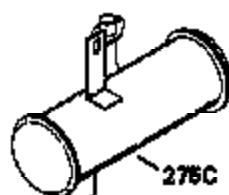
OPTIONAL  
DEBRIS SCREEN KIT



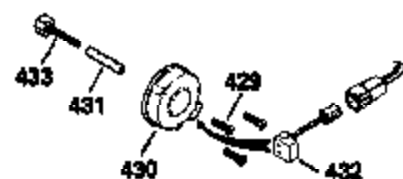
OPTIONAL  
STARTER MUFF KIT



OPTIONAL  
SPARK ARRESTOR KIT



OPTIONAL  
QUIET MUFFLER



OPTIONAL  
ADD-ON ALTERNATOR  
AC LIGHTING OR DC CHARGING

| Ref # | Part Number | Qty | Description                                                                                                                                             |
|-------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 103   | 650814      |     | Screw, Torx T-15, 10-24 x 1"                                                                                                                            |
| 275C  | 35824       |     | Muffler (Optional quiet muffler)                                                                                                                        |
| 277A  | 650696      |     | Screw, 5/16-18 x 2-3/4" (Used with 27 6A)                                                                                                               |
| 314   | 650873      |     | Screw, 1/4-20 x 3/4"                                                                                                                                    |
| 316A  | 611097      |     | Alt.Coil (7 amp DC)(Incl.322A,322B,32 3)                                                                                                                |
| 322B  | 610921      |     | Connector                                                                                                                                               |
| 322A  | 610824      |     | Connector, Flat                                                                                                                                         |
| 323   | 610922      |     | Terminal                                                                                                                                                |
| 327   | 35392       |     | Plug, Starter                                                                                                                                           |
| 342   | 650561      |     | Screw, 1/4-20 x 5/8"                                                                                                                                    |
| 342   | 30063       |     | Screw, Torx T-30, 1/4-20 x 1/2"                                                                                                                         |
| 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.                                                                               |
| 408   | 35570       |     | Seal, Screen (Can be used on HM80 with stamped steel recoil starter.)                                                                                   |
| 409   | 35569       |     | Spacer, Screen                                                                                                                                          |
| 410   | 730573      |     | Debris Screen Kit (Incl. 327, 370B, 408, 409, 411 & 413)                                                                                                |
| 411   | 35568       |     | Screen, Debris                                                                                                                                          |
| 413   | 650907      |     | Screw, 5/16-18 x 1-5/8" (Can be used on HM80 with stamped steel recoil starter)                                                                         |
| 415   | 730130      |     | Exh.Adaptor Kit (Incl.274,277)(As req uired)                                                                                                            |
| 425   | 730572      |     | Starter Muff Kit (Incl. 370J, 426 & 4 27)                                                                                                               |
| 426   | 34687       |     | Air cleaner, Starter                                                                                                                                    |
| 427   | 34869       |     | Starter Air Cleaner Bracket (Optional )                                                                                                                 |
| 429   | 650868      |     | Screw, 8-18 x 1-1/8" (3 Required)                                                                                                                       |
| 430   | 611077      |     | Alternator, Add on                                                                                                                                      |
| 431   | 590609      |     | Centering tube (Use with engines equipped with diecast aluminum starter)                                                                                |
| 431   | 590610      |     | Centering tube                                                                                                                                          |
| 432   | 611078      |     | A.C. Lighting Connector                                                                                                                                 |
| 432   | 611079      |     | D.C. Charging Connector                                                                                                                                 |
| 433   | 590611      |     | Alternator Shaft (4.00") (Use with engines equipped with diecast aluminum starter)                                                                      |
| 433   | 590636      |     | Alternator Shaft (Use with engines equipped with stamped steel starter) (Use as required) (Refer to Mechanic's Handbook for installation instructions). |