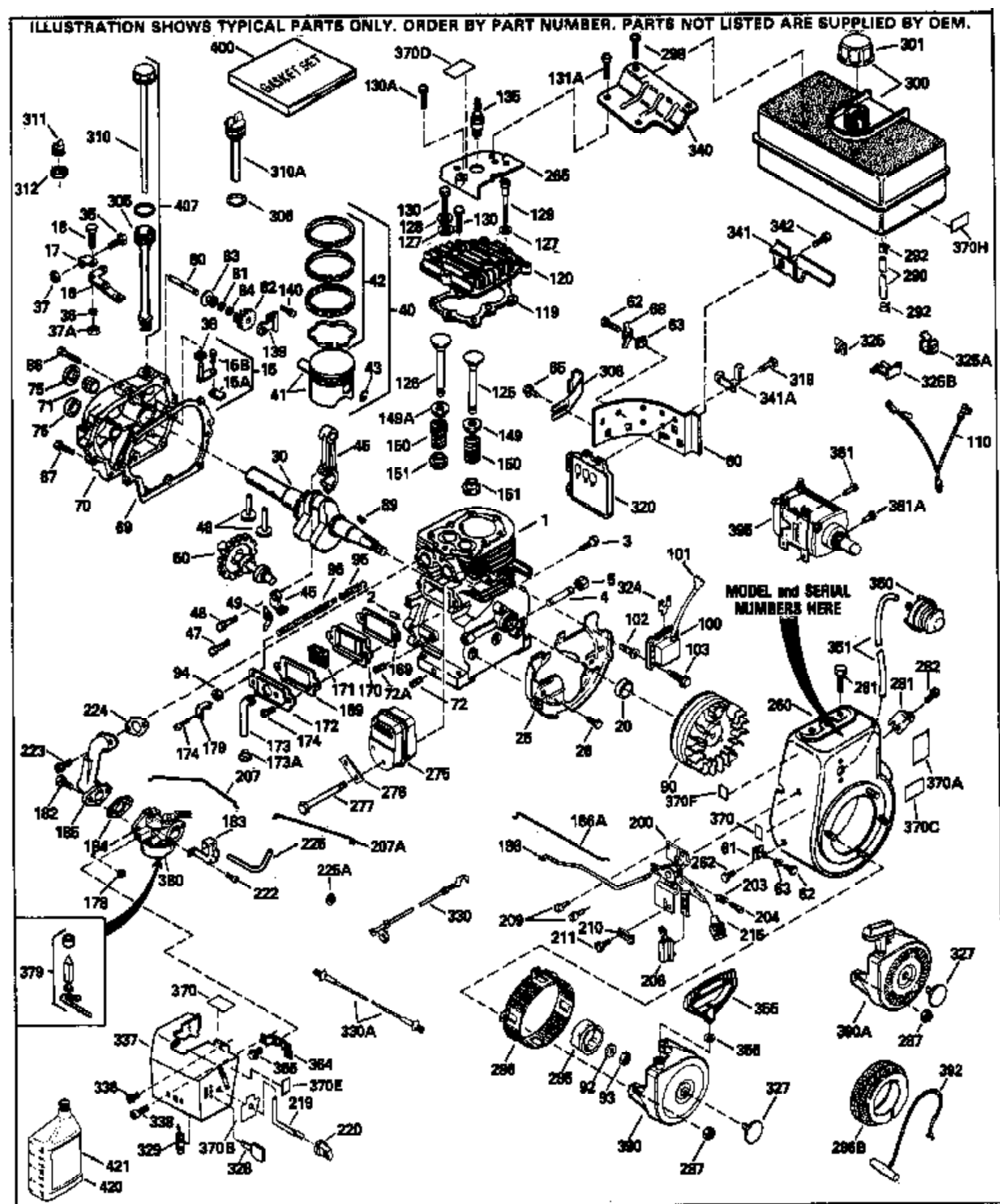


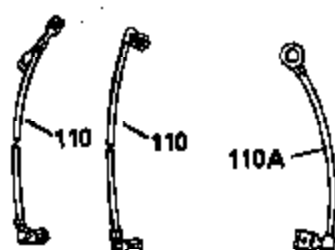
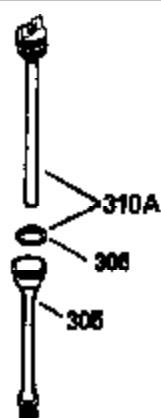
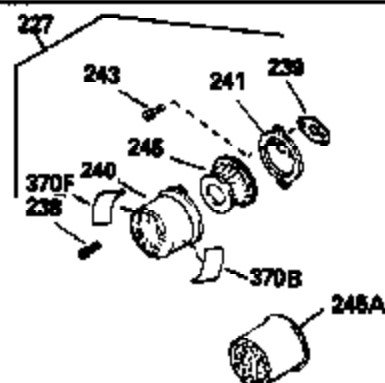
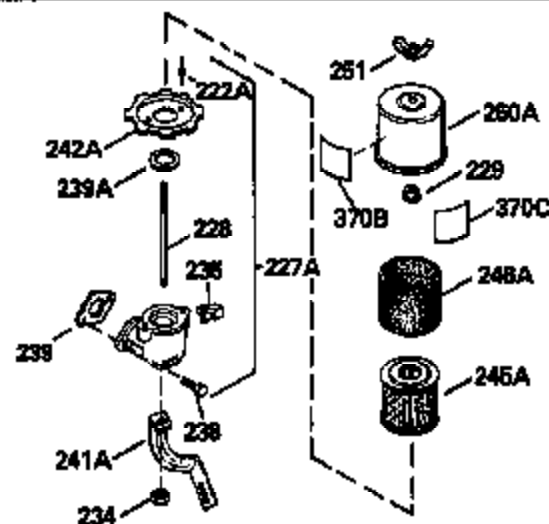
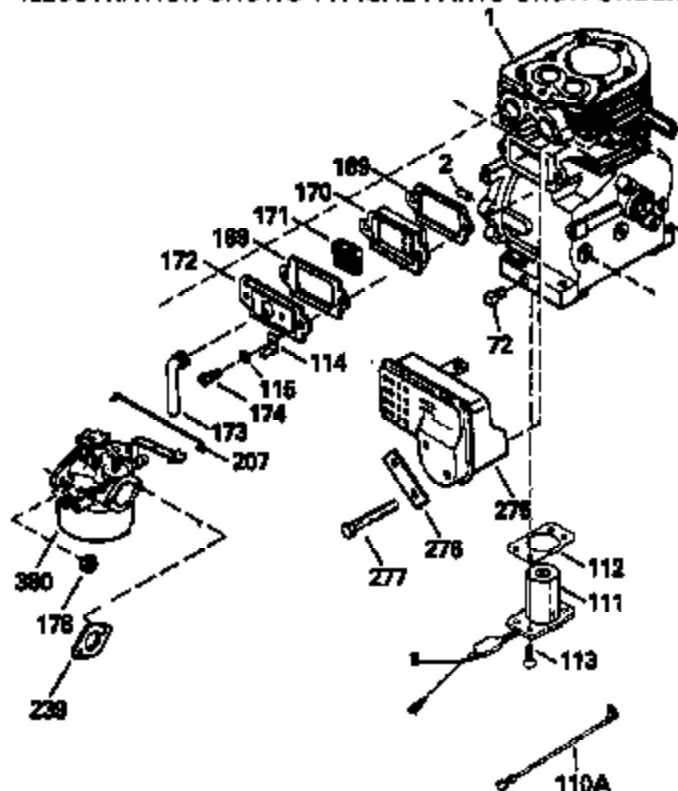


| Ref # | Part Number | Qty | Description                                   |
|-------|-------------|-----|-----------------------------------------------|
| 1     | 35385       |     | Cylinder (Incl. 2,20,72,72A) (3-1/8" Bore)    |
| 2     | 27652       |     | Pin, Dowel                                    |
| 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    | 35441A      |     | 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                               |
| 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)                                |
| 50    | 35444       |     | Camshaft (MCR) (Extended)                     |
| 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    | 611090      |     | Flywheel                                      |
| 92    | 650880      |     | Washer, Belleville                            |
| 93    | 650881      |     | Hex Nut, 5/8-18                               |
| 94    | 33450       |     | Nut Lock, 10-32                               |
| 95    | 30886A      |     | Spring, Extension                             |
| 96    | 30845A      |     | Bolt, Governor spring adjusting               |
| 100   | 35135       |     | Lamination Assy., Solid State                 |
| 102   | 650872      |     | Stud, Lamination mounting                     |
| 103   | 650814      |     | Screw, Torx T-15, 10-24 x 1"                  |

| Ref # | Part Number | Qty | Description                                                                                                                                                                                                      |
|-------|-------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 119   | 34041A      |     | * Gasket, Head                                                                                                                                                                                                   |
| 120   | 34030A      |     | Head, Cylinder                                                                                                                                                                                                   |
| 125   | 27878A      |     | Exhaust Valve (Std.) (Incl. 151)                                                                                                                                                                                 |
| 125   | 27880A      |     | Exhaust Valve (1/32" OS) (Incl. 151)                                                                                                                                                                             |
| 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)                                                                                                                                                                        |
| 130   | 650694A     |     | Screw, 5/16-18 x 2" (Use as required)                                                                                                                                                                            |
| 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 required)                                                                                                                                                                          |
| 139   | 33369       |     | Bracket, Governor gear                                                                                                                                                                                           |
| 140   | 650836      |     | Screw, 10-24 x 1/2"                                                                                                                                                                                              |
| 149   | 27882       |     | Cap, Upper valve spring                                                                                                                                                                                          |
| 149A  | 27882       |     | Cap, Upper valve spring                                                                                                                                                                                          |
| 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                                                                                                                                                                                                   |
| 178   | 29752       |     | Nut & Lockwasher, 1/4-28                                                                                                                                                                                         |
| 182   | 30088A      |     | Screw, 1/4-28 x 1"                                                                                                                                                                                               |
| 184   | 33263       |     | * Gasket, Carburetor                                                                                                                                                                                             |
| 185   | 33877       |     | Pipe, Intake                                                                                                                                                                                                     |
| 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"                                                                                                                                                                                              |
| 223   | 650378      |     | Screw, Torx T-30, 5/16-18 x 1-1/8"                                                                                                                                                                               |
| 224   | 27915A      |     | * Gasket, Intake pipe                                                                                                                                                                                            |
| 242   | 33267       |     | Bracket, Air cleaner                                                                                                                                                                                             |
| 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   | 33280A      |     | Muffler                                                                                                                                                                                                          |
| 276   | 35740       |     | Plate, Muffler locking                                                                                                                                                                                           |
| 281   | 33013       |     | Cover, Starter bubble                                                                                                                                                                                            |
| 282   | 650760      |     | Screw, 8-32 x 3/8"                                                                                                                                                                                               |
| 285   | 35287       |     | Cup, Starter                                                                                                                                                                                                     |
| 286   | 35446       |     | Screen, Starter (Stationary)                                                                                                                                                                                     |
| 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"                                                                                                                                                                                             |
| 300   | 34156A      |     | Fuel Tank (Incl. 292 & 301) NOTE: These tanks were built with 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   | 35355       |     | Fuel Cap                                                                                                                                                                                                         |
| 305   | 35554       |     | Tube, Oil fill                                                                                                                                                                                                   |

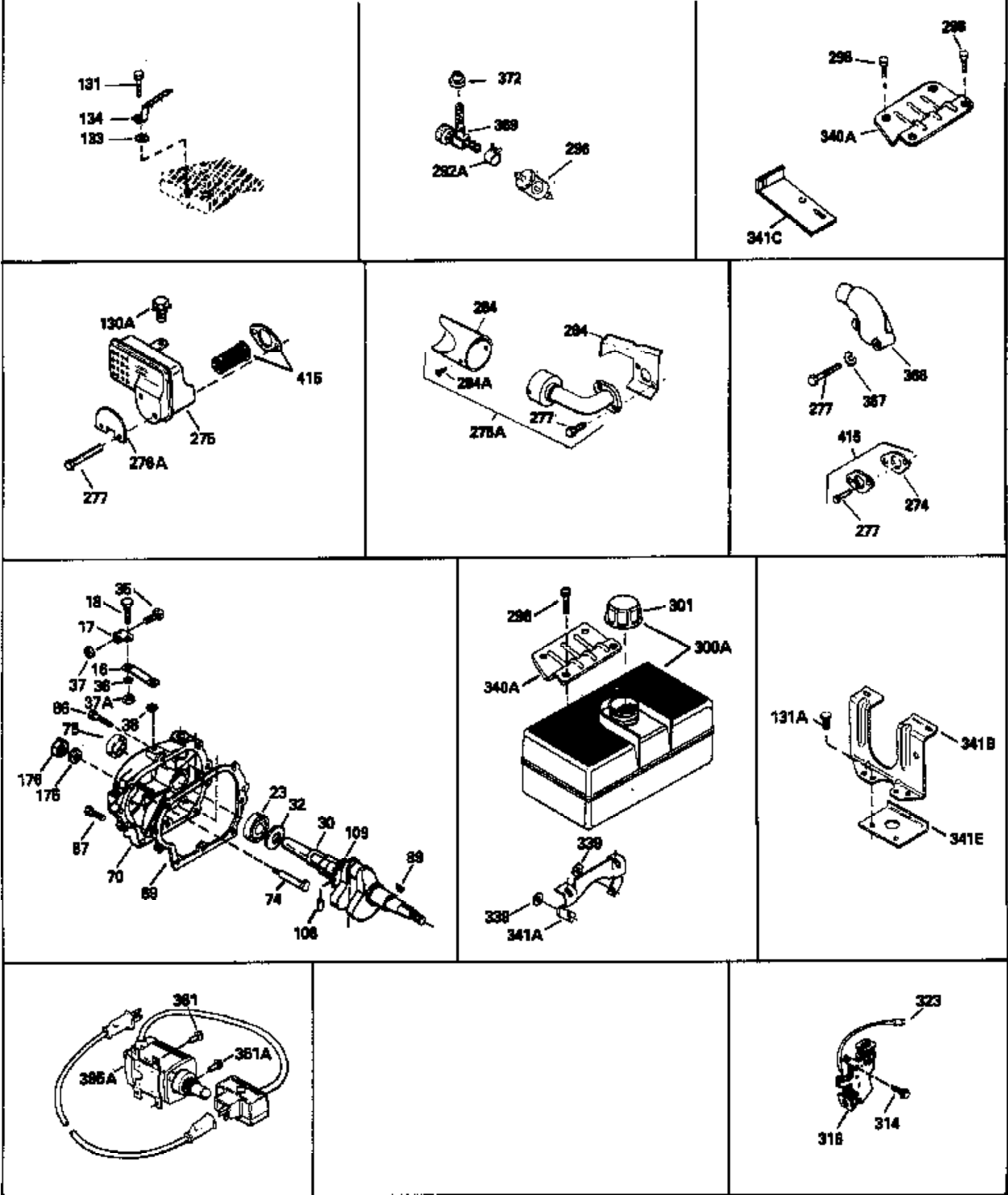
| Ref # | Part Number | Qty | Description                                                                                                |
|-------|-------------|-----|------------------------------------------------------------------------------------------------------------|
| 306   | 35499       |     | "O" Ring                                                                                                   |
| 308   | 35540       |     | Clip, Fill tube                                                                                            |
| 310   | 35555       |     | Dipstick                                                                                                   |
| 325   | 34246       |     | Clip, Ground wire (Use as required)                                                                        |
| 325B  | 29443       |     | Clip, Fuel line (Use as required)                                                                          |
| 327   | 35392       |     | Plug, Starter                                                                                              |
| 329   | 610973      |     | Terminal Assy.                                                                                             |
| 330   | 34069       |     | Wire Harness (6-3/4") (7 Amp)                                                                              |
| 340   | 34154       |     | Plate, Fuel tank mounting                                                                                  |
| 342   | 650561      |     | Screw, 1/4-20 x 5/8"                                                                                       |
| 370   | 34346       |     | Decal, Instruction                                                                                         |
| 370   | 35274       |     | Decal, Instruction                                                                                         |
| 370B  | 34387       |     | Decal, Instruction Can be used on HM80 with stamped steel recoil starter.                                  |
| 370J  | 34870       |     | Decal, Instruction Can be used on HM80 with diecast starter.                                               |
| 370A  | 34686       |     | Decal, Name                                                                                                |
| 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) |
| 390A  | 590685      |     | Rewind Starter (Refer to Division 5, Section C, page 30 for breakdown or Fiche 18A-2, Grid G-1)            |
| 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)                                                                       |

ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY OEM.



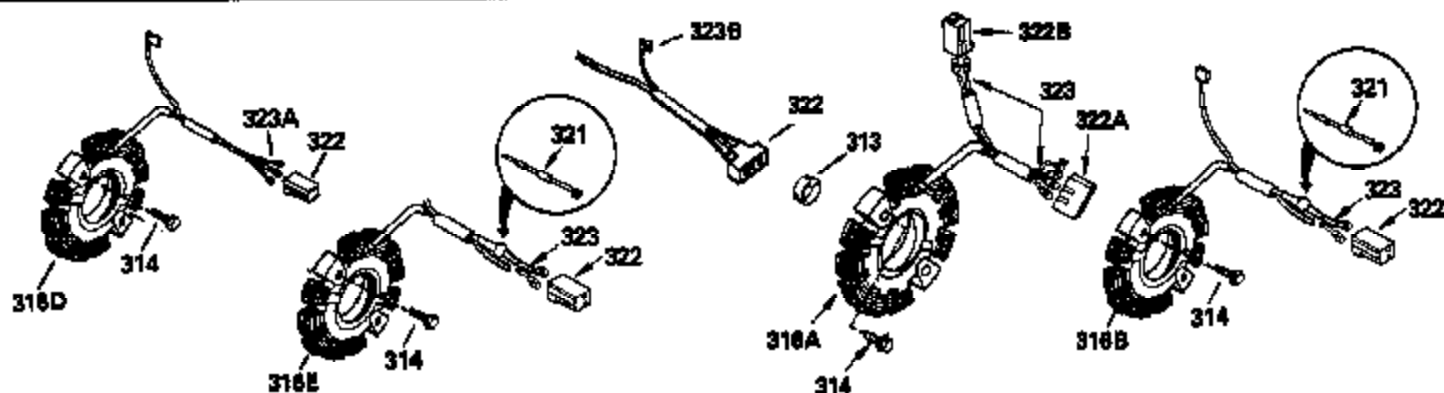
| Ref # | Part Number | Qty | Description                                                                                                |
|-------|-------------|-----|------------------------------------------------------------------------------------------------------------|
| 1     | 35385       |     | 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   | 33269A      |     | Cover, Air cleaner                                                                                         |
| 241   | 33266       |     | Bracket, Air cleaner                                                                                       |
| 242   | 33267       |     | Bracket, Air cleaner                                                                                       |
| 245   | 33268       |     | Element, Air cleaner                                                                                       |
| 251   | 650513      |     | Nut, Wing, 1/4-20                                                                                          |
| 275   | 33280A      |     | Muffler                                                                                                    |
| 276   | 35740       |     | Plate, Muffler locking                                                                                     |
| 292   | 26460       |     | Clamp, Fuel line                                                                                           |
| 305   | 35554       |     | Tube, Oil fill                                                                                             |
| 306   | 35499       |     | "O" Ring                                                                                                   |
| 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) |

ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY OEM.



| Ref # | Part Number | Qty | Description                                                   |
|-------|-------------|-----|---------------------------------------------------------------|
| 16    | 33454       |     | Governor Lever Assy.                                          |
| 17    | 29916       |     | Clamp, Governor lever                                         |
| 18    | 650548      |     | Screw, 8-32 x 5/16"                                           |
| 30    | 35441A      |     | 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                                               |
| 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) |
| 131   | 650802      |     | Screw, 1/4-20 x 5/8" (Use as required )                       |
| 131   | 650738      |     | Screw, 1/4-20 x 5/8 (Use as required)                         |
| 131A  | 650713      |     | Screw, 5/16-18 x 5/8" (Use as require d)                      |
| 242   | 33267       |     | Bracket, Air cleaner                                          |
| 274   | 35865       |     | Gasket, Exhaust (Use as required)                             |
| 275   | 33280A      |     | Muffler                                                       |
| 298   | 650665      |     | Screw, 1/4-15 x 7/8"                                          |
| 301   | 35355       |     | Fuel Cap                                                      |
| 341C  | 34155       |     | Bracket, Fuel tank mounting                                   |
| 370J  | 34870       |     | Decal, Instruction Can be used on HM80 with diecast starter.  |
| 415   | 730130      |     | Exh.Adaptor Kit (Incl.274,277)(As req uired)                  |

This exploded perspective view shows the seat assembly components. The seat backrest (300A) is shown with a central pivot point (301). The seat cushion (300B) is shown below it. The seat base (340B) is shown at the bottom, with various mounting brackets (341D, 342A) and fasteners (342, 339, 340A, 340C) indicated for assembly.



425 — [Ring] — 426

[Washer 1] [Washer 2] [Washer 3] [Washer 4] — 427

OPTIONAL  
ADD-ON ALTERNATOR  
AC LIGHTING OR DC CHARGING

| Ref # | Part Number | Qty | Description                                                                                                                                             |
|-------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 103   | 650814      |     | Screw, Torx T-15, 10-24 x 1"                                                                                                                            |
| 242   | 33267       |     | Bracket, Air cleaner                                                                                                                                    |
| 275C  | 35824       |     | Muffler (Optional quiet muffler)                                                                                                                        |
| 277A  | 650696      |     | Screw, 5/16-18 x 2-3/4" (Used with 27 6A)                                                                                                               |
| 301   | 35355       |     | Fuel Cap                                                                                                                                                |
| 327   | 35392       |     | Plug, Starter                                                                                                                                           |
| 342   | 650561      |     | Screw, 1/4-20 x 5/8"                                                                                                                                    |
| 370B  | 34387       |     | Decal, Instruction Can be used on HM80 with stamped steel recoil starter.                                                                               |
| 370J  | 34870       |     | Decal, Instruction Can be used on HM80 with diecast 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 required)                                                                                                             |
| 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). |