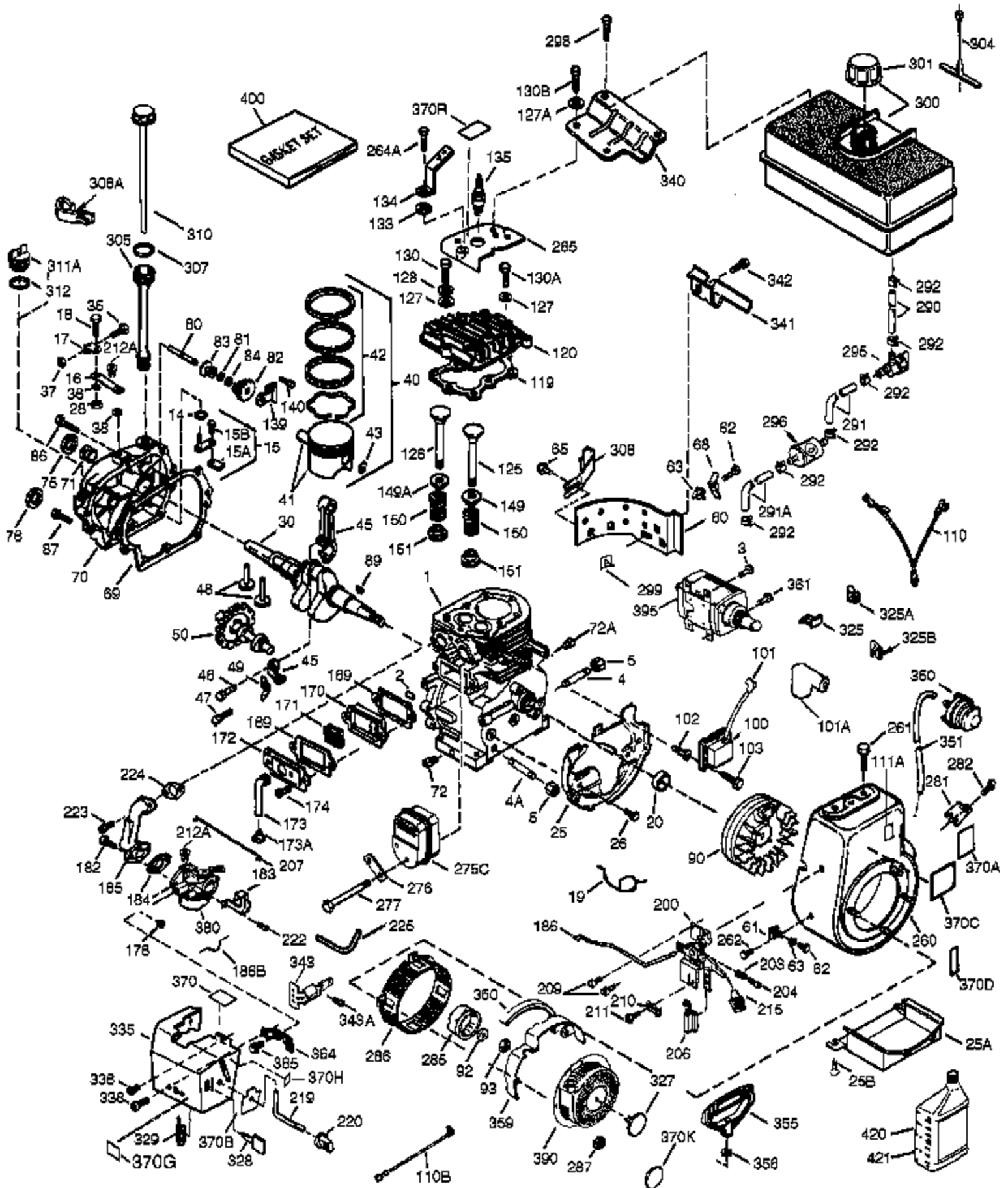




## Engine Parts List #1

| Ref # | Part Number | Qty | Description                                                                    |
|-------|-------------|-----|--------------------------------------------------------------------------------|
| 1     | 35371       |     | Cylinder (CI liner)(3-5/16")(Incl. 2, 20 & 72)                                 |
| 2     | 27652       |     | Pin, Dowel                                                                     |
| 3     | 650820      |     | Screw, 1/4-20 x 1/2"                                                           |
| 4     | 34171       |     | Nipple, Pipe                                                                   |
| 5     | 30969       |     | Cap, Oil drain                                                                 |
| 15A   | 30700       |     | Yoke, Governor                                                                 |
| 15B   | 650494      |     | Screw, 6-40 x 5/16"                                                            |
| 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    | 29536       |     | Blower Housing Baffle (Without electric starter knockout)<br>(Use as required) |
| 25    | 35256A      |     | Blower Housing Baffle (With electric starter knockout) (Use<br>as required)    |
| 25    | 35326       |     | Baffle, Blower housing                                                         |
| 26    | 650561      |     | Screw, 1/4-20 x 5/8"                                                           |
| 28    | 30322       |     | Nut & Lockwasher, 8-32                                                         |
| 30    | 36245       |     | Crankshaft                                                                     |
| 35    | 29826       |     | Screw, 10-32 x 3/4"                                                            |
| 36    | 29918       |     | Lockwasher, #8 E.T.                                                            |
| 37    | 29216       |     | Locknut, 10-32                                                                 |
| 38    | 29642       |     | Ring, Retaining                                                                |
| 40    | 34860A      |     | Piston, Pin & Ring Set (Std.)(3-5/16" )                                        |
| 40    | 34861A      |     | Piston, Pin & Ring Set (.010" OS)                                              |
| 40    | 34862A      |     | Piston, Pin & Ring Set (.020" OS)                                              |
| 41    | 34863       |     | Piston & Pin Ass'y. (Std.)(3-5/16")(Incl. 43)                                  |
| 41    | 34864       |     | Piston & Pin Ass'y. (.010" OS) (Incl. 43)                                      |
| 41    | 34865       |     | Piston & Pin Ass'y. (.020" OS) (Incl. 43)                                      |
| 42    | 34866A      |     | Ring Set (Std.) (3-5/16" Bore)                                                 |
| 42    | 34867A      |     | Ring Set (.010" OS)                                                            |
| 42    | 34868A      |     | Ring Set (.020" OS)                                                            |
| 43    | 27888       |     | Ring, Piston Pin retaining                                                     |
| 45    | 35373A      |     | Rod Assy., Connecting (Incl. 46, 47 & 49)                                      |
| 46    | 650908      |     | Bolt, Connecting rod                                                           |
| 47    | 650882      |     | Connecting Rod Bolt (2 pcs. on early Specs.)                                   |
| 48    | 34034       |     | Lifter, Valve                                                                  |
| 49    | 35374       |     | Dipper, Oil                                                                    |
| 50    | 35375       |     | 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, Flange                                                               |
| 70    | 35376       |     | Cover, Cylinder (Incl. 71, 75 & 80)                                            |
| 71    | 35377       |     | Bushing, Crankshaft                                                            |
| 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 (Use as required)                                       |
| 87    | 650832      |     | Screw, 1/4-20 x 1-11/16" (Use as required)                                     |
| 89    | 32589       |     | Key, Flywheel                                                                  |

| Ref # | Part Number | Qty | Description                                                                          |
|-------|-------------|-----|--------------------------------------------------------------------------------------|
| 90    | 611093      |     | Flywheel (w/ring gear) (3 Amp)                                                       |
| 92    | 650880      |     | Lock Washer                                                                          |
| 93    | 650881      |     | Flywheel Nut                                                                         |
| 100   | 35135       |     | Solid State Assy.                                                                    |
| 101   | 610118      |     | Cover, Spark plug                                                                    |
| 102   | 650872      |     | Stud, Solid state mounting                                                           |
| 103   | 650814      |     | Screw, Torx T-15, 10-24 x 1"                                                         |
| 108   | 29783       |     | Pin, Crankshaft gear (Only serviceable when gear is pinned to crank.)                |
| 109   | 33245       |     | Gear, Crankshaft                                                                     |
| 110   | 35253       |     | Ground Wire                                                                          |
| 119   | 34923A      |     | * Gasket, Cylinder 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)                                                  |
| 127A  | 650890      |     | Washer, Internal Lock                                                                |
| 127   | 650691      |     | Washer (Do not use with No. 6021A screw.)                                            |
| 128   | 650690      |     | Washer, Belleville (Use as required)                                                 |
| 129   | 650727      |     | Screw, 5/16-18 x 1-3/4 (Use as required)                                             |
| 130   | 6021A       |     | Screw, 5/16-18 x 1-1/2" (Use as required, but do not use No. 650691 washer.)         |
| 130   | 650711      |     | Screw, 5/16-18 x 1-5/8" (Use as required) (Can use 6021A but discard 650691 washer.) |
| 130   | 650694A     |     | Screw, 5/16-18 x 2" (Use as required)                                                |
| 130A  | 650737      |     | Screw, 1/4-20 x 1/2" (Use as required)                                               |
| 130A  | 650738      |     | Screw, 1/4-20 x 5/8 (Use as required)                                                |
| 130B  | 650713      |     | Screw, 5/16-18 x 5/8"                                                                |
| 135   | 33636       |     | Resistor Spark Plug                                                                  |
| 139   | 33369       |     | Bracket, Governor gear                                                               |
| 140   | 650836      |     | Screw, 10-24 x 1/2"                                                                  |
| 149A  | 35862       |     | Seal Assy., Intake valve                                                             |
| 150   | 27881       |     | Spring, Valve                                                                        |
| 151   | 32581       |     | Cap, Lower valve spring                                                              |
| 169   | 27896A      |     | * Gasket, Breather                                                                   |
| 170   | 28423       |     | Body, Breather                                                                       |
| 171   | 28424       |     | Element, Breather                                                                    |
| 172   | 28425       |     | Cover, Breather                                                                      |
| 173   | 35350       |     | Tube, Breather                                                                       |
| 174   | 650128      |     | Screw, 10-24 x 1/2"                                                                  |
| 178   | 29752       |     | Nut & Lockwasher, 1/4-28                                                             |
| 182   | 30088A      |     | Screw, 1/4-28 x 1"                                                                   |
| 183   | 34587       |     | Bracket, Choke                                                                       |
| 184   | 33263       |     | * Gasket, Carburetor                                                                 |
| 185   | 33877       |     | Pipe, Intake                                                                         |
| 186   | 34667       |     | Link, Governor lever                                                                 |
| 200B  | 730152      |     | Control Bracket (Incl. 1158-1171) (As required)                                      |
| 200   | 34677       |     | Control Bracket (Incl. 19, 203, 204, 206, 209)                                       |
| 203   | 31342       |     | Spring, Compression                                                                  |
| 204   | 650549      |     | Screw, 5-40 x 7/16"                                                                  |
| 206   | 610973      |     | Terminal Assy.                                                                       |
| 207   | 33878       |     | Link, Governor lever-to-throttle                                                     |
| 209   | 650821      |     | Screw, 10-32 x 1/2"                                                                  |
| 215   | 35440       |     | Knob, Speed control                                                                  |
| 219   | 34586       |     | Rod, Choke                                                                           |

## Engine Parts List #1

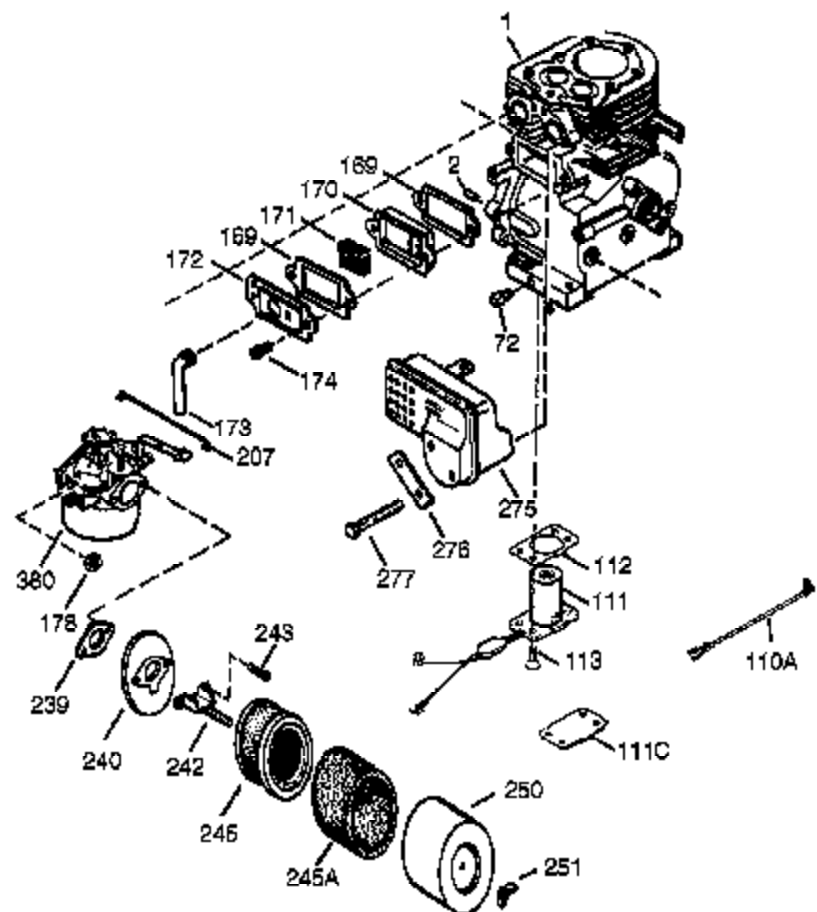
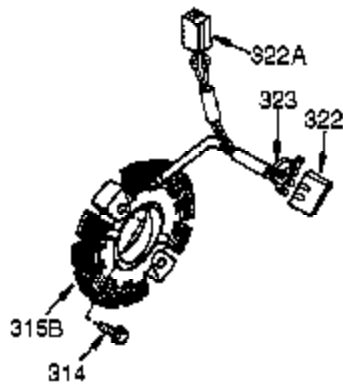
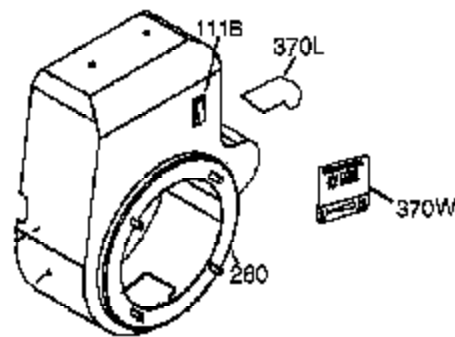
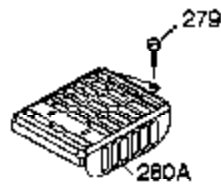
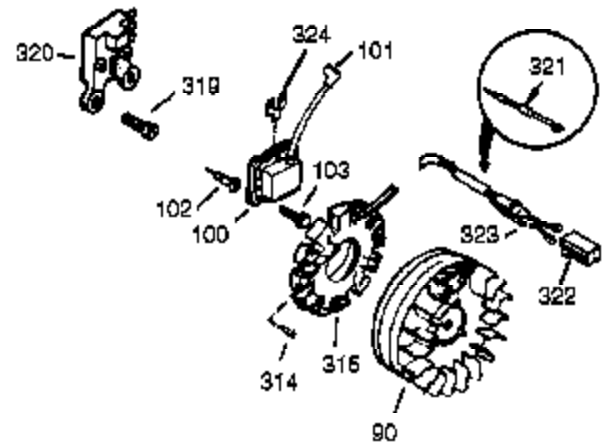
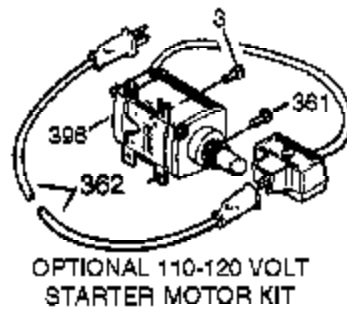
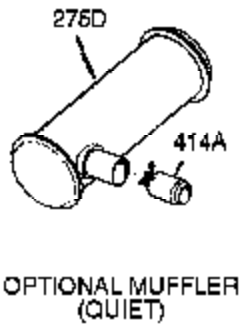
| Ref # | Part Number | Qty | Description                                                                                                                                                                                                      |
|-------|-------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 220   | 35438       |     | Knob, Choke                                                                                                                                                                                                      |
| 222   | 28820       |     | Screw, 10-32 x 1/2"                                                                                                                                                                                              |
| 222A  |             |     | Pop Rivet (Can be purchased locally)                                                                                                                                                                             |
| 223   | 650378      |     | Screw, Torx T-30, 5/16-18 x 1-1/8"                                                                                                                                                                               |
| 224   | 27915A      |     | * Gasket, Intake pipe                                                                                                                                                                                            |
| 260   | 35447       |     | Blower Housing (For electric starter)                                                                                                                                                                            |
| 261   | 650788      |     | Screw, 5/16-18 x 3/4"                                                                                                                                                                                            |
| 262   | 29747B      |     | Screw, 5/16-24 x 21/32"                                                                                                                                                                                          |
| 264A  | 650802      |     | Screw, 1/4-20 x 5/8"                                                                                                                                                                                             |
| 265   | 33272B      |     | Cover, Cylinder head                                                                                                                                                                                             |
| 275C  | 35056       |     | Muffler                                                                                                                                                                                                          |
| 275B  | 391026      |     | Muffler (Incl. 284, 284A & 416) (This spark arrester muffler can be used on any model.)                                                                                                                          |
| 276   | 31588       |     | Plate, Muffler locking                                                                                                                                                                                           |
| 276   | 35741       |     | Plate, Muffler locking                                                                                                                                                                                           |
| 277   | 650729      |     | Screw, 5/16-18 x 3-3/16" (Use as required)                                                                                                                                                                       |
| 277   | 651002      |     | Screw, 5/16-18 x 4-1/4" (Use as required)                                                                                                                                                                        |
| 281   | 33013       |     | Cover, Starter bubble                                                                                                                                                                                            |
| 282   | 650760      |     | Screw, 8-32 x 7/16"                                                                                                                                                                                              |
| 285   | 35287       |     | Cup, Starter                                                                                                                                                                                                     |
| 286   | 35446       |     | Screen, Starter                                                                                                                                                                                                  |
| 287   | 29752       |     | Nut, 1/4-28                                                                                                                                                                                                      |
| 290   | 29774       |     | Fuel Line (Braided 8-1/4")(21cm)(As required)                                                                                                                                                                    |
| 290   | 30962       |     | Fuel Line (Braided 3/2")(80cm)(As required)                                                                                                                                                                      |
| 291   | 30705       |     | Fuel Line (Braided 1/2")(40cm)(As required)                                                                                                                                                                      |
| 292   | 26460       |     | Fuel Line Clamp (Use as required)                                                                                                                                                                                |
| 295   | 32961       |     | Valve, Fuel shut-off                                                                                                                                                                                             |
| 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. |
| 305   | 35554       |     | Oil Fill Tube                                                                                                                                                                                                    |
| 307   | 35499       |     | "O" Ring                                                                                                                                                                                                         |
| 310   | 36205       |     | Dipstick                                                                                                                                                                                                         |
| 313A  | 33876       |     | Gasket, Stator (Used only on Std. point ign.)                                                                                                                                                                    |
| 325A  | 29443       |     | Clip, Fuel line                                                                                                                                                                                                  |
| 327   | 35392       |     | Plug, Starter                                                                                                                                                                                                    |
| 335   | 35058       |     | Cover, Carburetor                                                                                                                                                                                                |
| 336   | 650765      |     | Screw, 10-32 x 1/2"                                                                                                                                                                                              |
| 338A  | 31291       |     | Plug, Cover                                                                                                                                                                                                      |
| 338   | 28942       |     | Screw, Sems 10-32 x 3/8"                                                                                                                                                                                         |
| 340   | 34154       |     | Plate, Upper fuel tank mtg.                                                                                                                                                                                      |
| 341   | 34155       |     | Bracket, Lower fuel tank mtg.                                                                                                                                                                                    |
| 342   | 650561      |     | Screw, 1/4-20 x 5/8"                                                                                                                                                                                             |
| 350   | 570682      |     | Primer Assy.                                                                                                                                                                                                     |
| 351   | 32180C      |     | Line, Primer                                                                                                                                                                                                     |
| 355   | 590574      |     | Handle, Mitten grip                                                                                                                                                                                              |
| 356   | 650168      |     | Washer                                                                                                                                                                                                           |
| 364   | 33377       |     | Bracket, Carburetor cover mtg.                                                                                                                                                                                   |
| 365   | 650767      |     | Screw, 8-32 x 27/64"                                                                                                                                                                                             |
| 370   | 35274       |     | Decal, Instruction                                                                                                                                                                                               |
| 377   | 30547A      |     | Breaker Points (Use with Std. point ign.)                                                                                                                                                                        |
| 379   | 631021      |     | Inlet Needle, Seat & Clip Assy.                                                                                                                                                                                  |
| 380   | 632370A     |     | Carburetor (Incl. 184 & 379) (Refer to Division 5, Section A, page A3-10 for breakdown or Fiche 18B, Grid D-5)                                                                                                   |

## Engine Parts List #1

| Ref # | Part Number | Qty | Description                                                                                   |
|-------|-------------|-----|-----------------------------------------------------------------------------------------------|
| 390   | 590630      |     | Rewind Starter (Refer to Division 5, Section C, page 30 for breakdown or Fiche 18B, Grid G-1) |
| 400   | 33279G      |     | * Gasket Set (Incl. items marked *)                                                           |
| 418   | 33700       |     | Cover & Tube, Muffler (use as required)                                                       |
| 419   | 650578      |     | Screw, 8-18 x 3/8" (use as required)                                                          |
| 420   | 730225      |     | SAE 30 4-Cycle Engine Oil (Quart)                                                             |
| 421   | 730226      |     | SAE 5W30 4-Cycle Engine Oil (Quart)                                                           |
| 422   | 35824       |     | Muffler Optional                                                                              |
| 1159  | 30312       |     | Screw, 10-32 x 1/2"                                                                           |
| 1160  | 28820       |     | Screw, 10-32 x 1/2"                                                                           |
| 1160  | 27070       |     | Lockwasher                                                                                    |
| 1185  | 33816       |     | Hub & Screen Assy.                                                                            |



| Ref # | Part Number | Qty | Description                                                                                                                                                                                                                  |
|-------|-------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 108   | 29783       |     | Pin, Crankshaft gear (Only serviceable when gear is pinned to crank.)                                                                                                                                                        |
| 109   | 33245       |     | Gear, Crankshaft                                                                                                                                                                                                             |
| 129   | 650727      |     | Screw, 5/16-18 x 1-3/4 (Use as required)                                                                                                                                                                                     |
| 174   | 650128      |     | Screw, 10-24 x 1/2"                                                                                                                                                                                                          |
| 200B  | 730152      |     | Control Bracket (Incl. 1158-1171)(As required)                                                                                                                                                                               |
| 222A  |             |     | Pop Rivet (Can be purchased locally)                                                                                                                                                                                         |
| 227   | 730127      |     | Air Cleaner Ass'y. (Incl. 238, 239, 242, 246, 250) (Use as required)                                                                                                                                                         |
| 274   | 35865       |     | Gasket, Exhaust                                                                                                                                                                                                              |
| 275B  | 391026      |     | Muffler (Incl. 284, 284A & 416) (This spark arrester muffler can be used on any model.)                                                                                                                                      |
| 277   | 650729      |     | Screw, 5/16-18 x 3-3/16" (Use as required)                                                                                                                                                                                   |
| 277   | 651002      |     | Screw, 5/16-18 x 4-1/4" (Use as required)                                                                                                                                                                                    |
| 290   | 29774       |     | Fuel Line (Braided 8-1/4")(21cm)(As required)                                                                                                                                                                                |
| 290   | 30962       |     | Fuel Line (Braided 32")(80cm)(As required)                                                                                                                                                                                   |
| 291   | 30705       |     | Fuel Line (Braided 16")(40cm)(As required)                                                                                                                                                                                   |
| 292   | 26460       |     | Fuel Line Clamp (Use as required)                                                                                                                                                                                            |
| 293   | 33715       |     | Impulse Fuel Pump NOTE: 34385 and 33715 (WIP) pumps are replaced by 35813 and 35800 (WIP) pumps. The 33010 (3000 series) repair kit is still available. The 35791 repair kit is used with the 35813 and 35800 fuel pumps.    |
| 294   | 35791       |     | Fuel Pump Repair Kit NOTE: 34385 and 33715 (WIP) pumps are replaced by 35813 and 35800 (WIP) pumps. The 33010 (3000 series) repair kit is still available. The 35791 repair kit is used with the 35813 and 35800 fuel pumps. |
| 298   | 650665      |     | Screw, 1/4-15 x 7/8"                                                                                                                                                                                                         |
| 301A  | 410144B     |     | Fuel Cap (White Plastic)(Standard) (Use as required) (1.5" I.D.)                                                                                                                                                             |
| 301A  | 33032       |     | Fuel Cap (Red Plastic) (Spurt Resistant, Low Profile) (Use as required) (1.5" I.D.)                                                                                                                                          |
| 301A  | 34210       |     | Fuel Cap (Red Plastic) (Spurt Resistant, High Profile) (Use as required) (1.5" I.D.)                                                                                                                                         |
| 301A  | 35355       |     | Fuel Cap (Red Plastic)(1.75" I.D.)                                                                                                                                                                                           |
| 303   | 32958       |     | Fitting, Fuel                                                                                                                                                                                                                |
| 313A  | 33876       |     | Gasket, Stator (Used only on Std. point ign.)                                                                                                                                                                                |
| 314   | 650873      |     | Screw, 1/4-20 x 3/4"                                                                                                                                                                                                         |
| 323   | 611118      |     | Pin Terminal                                                                                                                                                                                                                 |
| 338A  | 31291       |     | Plug, Cover                                                                                                                                                                                                                  |
| 377   | 30547A      |     | Breaker Points (Use with Std. point ign.)                                                                                                                                                                                    |
| 379   | 631021      |     | Inlet Needle, Seat & Clip Assy.                                                                                                                                                                                              |
| 414   | 33323       |     | Opt. Muffler Screen (Mini-Bike application)                                                                                                                                                                                  |
| 415   | 730130      |     | Kit, Exhaust adapter (Incl. 274 & 277)                                                                                                                                                                                       |
| 418   | 33700       |     | Cover & Tube, Muffler (use as required)                                                                                                                                                                                      |
| 419   | 650578      |     | Screw, 8-18 x 3/8" (use as required)                                                                                                                                                                                         |
| 422   | 35824       |     | Muffler Optional                                                                                                                                                                                                             |
| 1159  | 30312       |     | Screw, 10-32 x 1/2"                                                                                                                                                                                                          |
| 1160  | 28820       |     | Screw, 10-32 x 1/2"                                                                                                                                                                                                          |
| 1160  | 27070       |     | Lockwasher                                                                                                                                                                                                                   |
| 1185  | 33816       |     | Hub & Screen Assy.                                                                                                                                                                                                           |



| Ref # | Part Number | Qty | Description                                                                                                    |
|-------|-------------|-----|----------------------------------------------------------------------------------------------------------------|
| 1     | 35371       |     | Cylinder (CI liner)(3-5/16")(Incl.2,2 0 & 72)                                                                  |
| 2     | 27652       |     | Pin, Dowel                                                                                                     |
| 3     | 650820      |     | Screw, 1/4-20 x 1/2"                                                                                           |
| 90    | 611093      |     | Flywheel (w/ring gear) (3 Amp)                                                                                 |
| 100   | 35135       |     | Solid State Assy.                                                                                              |
| 101   | 610118      |     | Cover, Spark plug                                                                                              |
| 102   | 650872      |     | Stud, Solid state mounting                                                                                     |
| 103   | 650814      |     | Screw, Torx T-15, 10-24 x 1"                                                                                   |
| 108   | 29783       |     | Pin, Crankshaft gear (Only serviceable when gear is pinned to crank.)                                          |
| 109   | 33245       |     | Gear, Crankshaft                                                                                               |
| 129   | 650727      |     | Screw, 5/16-18 x 1-3/4 (Use as required)                                                                       |
| 169   | 27896A      |     | * Gasket, Breather                                                                                             |
| 170   | 28423       |     | Body, Breather                                                                                                 |
| 171   | 28424       |     | Element, Breather                                                                                              |
| 172   | 28425       |     | Cover, Breather                                                                                                |
| 173   | 35350       |     | Tube, Breather                                                                                                 |
| 174   | 650128      |     | Screw, 10-24 x 1/2"                                                                                            |
| 178   | 29752       |     | Nut & Lockwasher, 1/4-28                                                                                       |
| 200B  | 730152      |     | Control Bracket (Incl.1158-1171)(As required)                                                                  |
| 207   | 33878       |     | Link, Governor lever-to-throttle                                                                               |
| 222A  |             |     | Pop Rivet (Can be purchased locally)                                                                           |
| 260   | 35447       |     | Blower Housing (For electric starter)                                                                          |
| 275B  | 391026      |     | Muffler (Incl. 284, 284A & 416) (This spark arrester muffler can be used on any model.)                        |
| 276   | 31588       |     | Plate, Muffler locking                                                                                         |
| 276   | 35741       |     | Plate, Muffler locking                                                                                         |
| 277   | 650729      |     | Screw, 5/16-18 x 3-3/16" (Use as required)                                                                     |
| 277   | 651002      |     | Screw, 5/16-18 x 4-1/4" (Use as required)                                                                      |
| 313A  | 33876       |     | Gasket, Stator (Used only on Std. point ign.)                                                                  |
| 314   | 650873      |     | Screw, 1/4-20 x 3/4"                                                                                           |
| 315   | 611111      |     | Alternator Coil (18 watt)                                                                                      |
| 323   | 611118      |     | Pin Terminal                                                                                                   |
| 338A  | 31291       |     | Plug, Cover                                                                                                    |
| 377   | 30547A      |     | Breaker Points (Use with Std. point ign.)                                                                      |
| 379   | 631021      |     | Inlet Needle, Seat & Clip Assy.                                                                                |
| 380   | 632370A     |     | Carburetor (Incl. 184 & 379) (Refer to Division 5, Section A, page A3-10 for breakdown or Fiche 18B, Grid D-5) |
| 418   | 33700       |     | Cover & Tube, Muffler (use as required)                                                                        |
| 419   | 650578      |     | Screw, 8-18 x 3/8" (use as required)                                                                           |
| 422   | 35824       |     | Muffler Optional                                                                                               |
| 1159  | 30312       |     | Screw, 10-32 x 1/2"                                                                                            |
| 1160  | 28820       |     | Screw, 10-32 x 1/2"                                                                                            |
| 1160  | 27070       |     | Lockwasher                                                                                                     |
| 1185  | 33816       |     | Hub & Screen Assy.                                                                                             |