



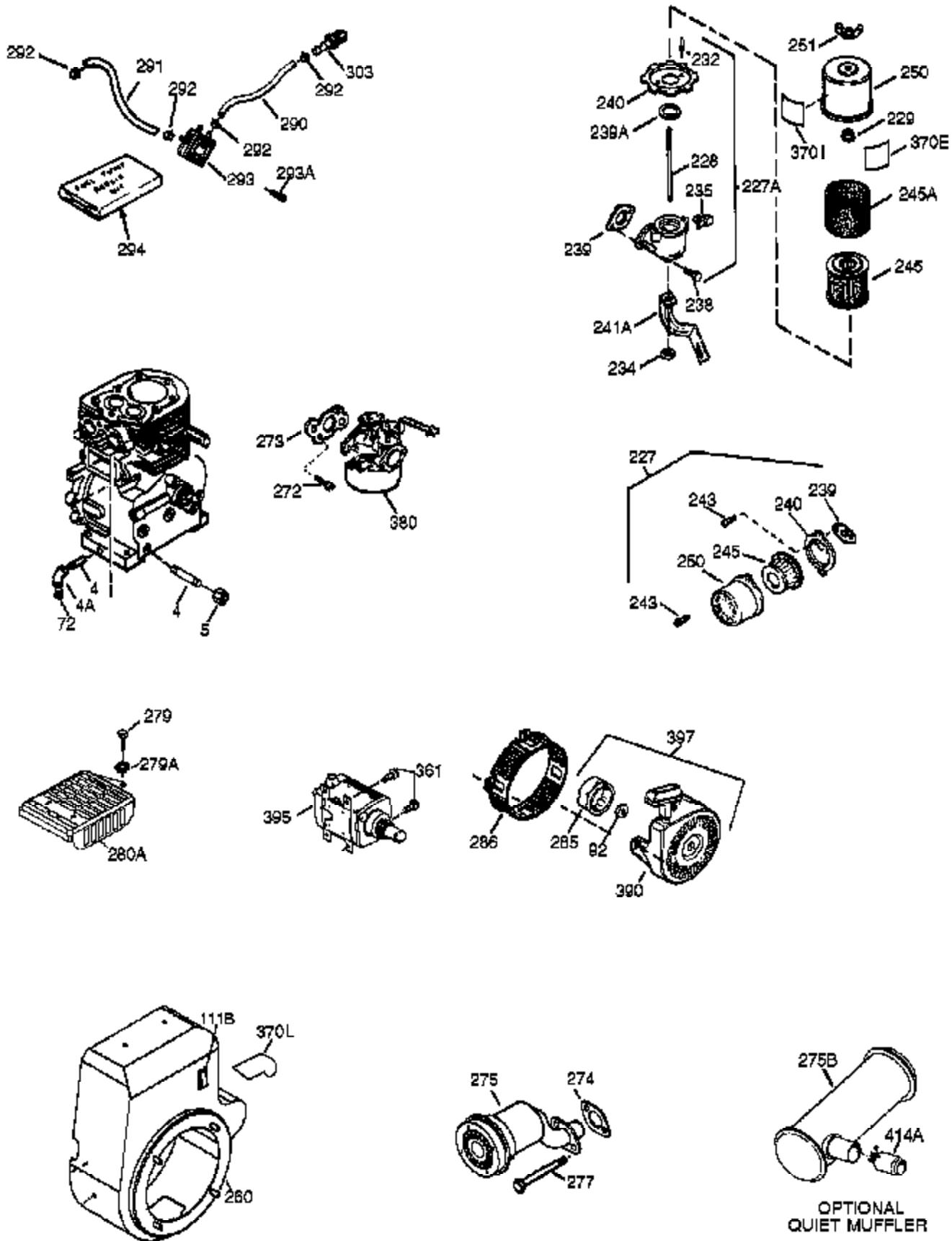
## Engine Parts List #1

| Ref # | Part Number | Qty | Description                               |
|-------|-------------|-----|-------------------------------------------|
| 1     | 35385       | 1   | Cylinder (Incl. 2 & 20)                   |
| 2     | 27652       | 2   | Dowel Pin                                 |
| 15    | 30699C      | 1   | Governor Rod (Incl. 15A & 15B)            |
| 15B   | 650494      | 1   | Screw, 6-40 x 5/16"                       |
| 15A   | 30700       | 1   | Governor Yoke                             |
| 16    | 33454       | 1   | Governor Lever                            |
| 17    | 29916       | 1   | Governor Lever Clamp                      |
| 18    | 651028      | 1   | Screw, Torx T-15, 8-32 x 3/8"             |
| 19    | 34663       | 1   | Speed Control Spring                      |
| 20    | 35319       | 1   | Oil Seal                                  |
| 25    | 36460       | 1   | Blower Housing Baffle                     |
| 26    | 650561      | 2   | Screw, 1/4-20 x 5/8"                      |
| 28    | 30322       | 1   | Lock Nut, 8-32                            |
| 30    | 35529A      | 1   | Crankshaft                                |
| 35    | 29826       | 1   | Screw, 10-32 x 3/4"                       |
| 36    | 29918       | 1   | Lock Washer                               |
| 37    | 29216       | 1   | Lock Nut, 10-32                           |
| 38    | 29642       | 1   | Retaining Ring                            |
| 40    | 34552       | 1   | Piston, Pin & Ring Set (Std.)             |
| 40    | 34553       | 1   | Piston, Pin & Ring Set (.010" OS)         |
| 40    | 34554       | 1   | Piston, Pin & Ring Set (.020" OS)         |
| 41    | 34329A      | 1   | Piston & Pin Ass'y. (Std.) (Incl. 43)     |
| 41    | 34330A      | 1   | Piston & Pin Ass'y. (.010" OS) (Incl. 43) |
| 41    | 34331A      | 1   | Piston & Pin Ass'y. (.020" OS) (Incl. 43) |
| 42    | 34332       | 1   | Ring Set (Std.)                           |
| 42    | 34333       | 1   | Ring Set (.010" OS)                       |
| 42    | 34334       | 1   | Ring Set (.020" OS)                       |
| 43    | 27888       | 2   | Piston Pin Retaining Ring                 |
| 45    | 36897       | 1   | Connecting Rod Ass'y. (Incl. 47 & 49)     |
| 47    | 651033      | 1   | Connecting Rod Bolt                       |
| 48    | 34034       | 2   | Valve Lifter                              |
| 49    | 36896       | 1   | Oil Dipper                                |
| 50    | 35375       | 1   | Camshaft (MCR)                            |
| 60    | 33273A      | 1   | Blower Housing Extension                  |
| 65    | 650128      | 1   | Screw, 10-24 x 1/2"                       |
| 69    | 35262A      | 1   | * Cylinder Cover Gasket                   |
| 70    | 33626B      | 1   | Cylinder Cover (Incl. 75 & 80)            |
| 72    | 27642       | 1   | Oil Drain Plug                            |
| 75    | 33625       | 1   | Oil Seal                                  |
| 80    | 31845       | 1   | Governor Shaft                            |
| 81    | 30590A      | 1   | Washer                                    |
| 82    | 35378       | 1   | Governor Gear Ass'y. (Incl. 81)           |
| 83    | 30588A      | 1   | Governor Spool                            |
| 84    | 29193       | 1   | Retaining Ring                            |
| 86    | 650833      | 7   | Screw, 1/4-20 x 1-3/16"                   |
| 87    | 650832      | 1   | Screw, 1/4-20 x 1-11/16"                  |
| 89    | 32589       | 1   | Flywheel Key                              |
| 90    | 611093      | 1   | Flywheel (W/Ring Gear)                    |
| 92    | 650880      | 1   | Lock Washer                               |
| 93    | 650881      | 1   | Flywheel Nut                              |
| 100   | 35135       | 1   | Solid State Ignition                      |
| 101   | 610118      | 1   | Spark Plug Cover                          |
| 102   | 650872      | 1   | Solid State Mounting Stud                 |
| 103   | 651007      | 2   | Screw, Torx T-15, 10-24 x 15/16"          |
| 110   | 35187       | 1   | Ground Wire                               |
| 119   | 36448       | 1   | * Cylinder Head Gasket                    |
| 120   | 36449       | 1   | Cylinder Head                             |
| 125   | 27878A      | 1   | Exhaust Valve (Std.) (Incl. 151)          |

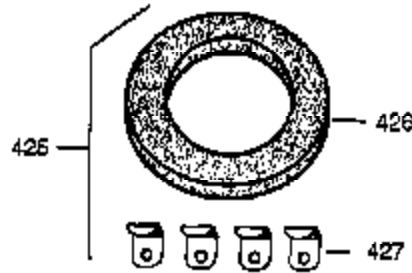
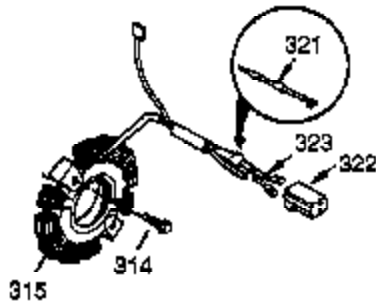
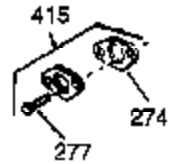
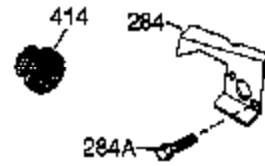
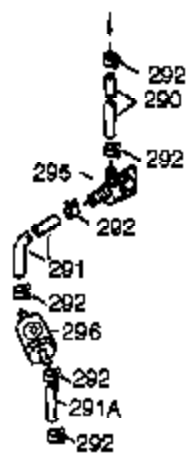
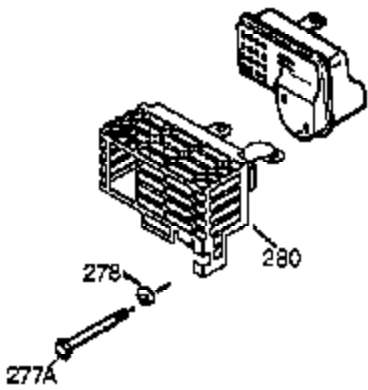
| Ref # | Part Number | Qty | Description                           |
|-------|-------------|-----|---------------------------------------|
| 125   | 27880A      | 1   | Exhaust Valve (1/32" OS) (Incl. 151)  |
| 126   | 34035       | 1   | Intake Valve (Std.) (Incl. 151)       |
| 126   | 34036       | 1   | Intake Valve (1/32" OS) (Incl. 151)   |
| 127   | 650691      | 9   | Washer                                |
| 128   | 650690      | 7   | Belleville Washer                     |
| 129   | 650727      | 2   | Screw, 5/16-18 x 1-3/4"               |
| 130   | 650694A     | 7   | Screw, 5/16-18 x 2"                   |
| 131A  | 650713      | 2   | Screw, 5/16-18 x 5/8"                 |
| 133   | 650890      | 2   | Lock Washer                           |
| 135   | 33636       | 1   | Resistor Spark Plug (RJ17LM)          |
| 139   | 33369       | 1   | Governor Gear Bracket                 |
| 140   | 650836      | 2   | Screw, 10-24 x 1/2"                   |
| 149   | 27882       | 1   | Valve Spring Cap                      |
| 149A  | 35862       | 1   | Valve Spring Cap                      |
| 150   | 27881       | 2   | Valve Spring                          |
| 151   | 32581       | 2   | Valve Spring Keeper                   |
| 169   | 27896A      | 2   | * Breather Gasket                     |
| 170   | 28423       | 1   | Breather Body                         |
| 171   | 28424       | 1   | Breather Element                      |
| 172   | 28425       | 1   | Valve Cover                           |
| 173   | 34696       | 1   | Breather Tube                         |
| 173A  | 32446       | 1   | Breather Tube Grommet                 |
| 174   | 650128      | 2   | Screw, 10-24 x 1/2"                   |
| 178   | 29752       | 2   | Nut & Lock Washer, 1/4-28             |
| 182   | 30088A      | 2   | Screw, 1/4-28 x 1"                    |
| 184   | 33263       | 1   | * Carburetor To Intake Pipe Gasket    |
| 185   | 34707       | 1   | Intake Pipe                           |
| 186   | 34667       | 1   | Governor Link                         |
| 200   | 34664       | 1   | Control Bracket (Incl. 19, 203 & 204) |
| 203   | 31342       | 1   | Compression Spring                    |
| 204   | 651029      | 1   | Screw, 5-40 x 7/16"                   |
| 206   | 610973      | 1   | Terminal                              |
| 207   | 33878       | 1   | Throttle Link                         |
| 209   | 650821      | 2   | Screw, 10-32 x 1/2"                   |
| 210   | 27793       | 1   | Conduit Clip                          |
| 211   | 28942       | 1   | Screw, 10-32 x 3/8"                   |
| 223   | 650378      | 2   | Screw, Torx T-30, 5/16-18 x 1-1/8"    |
| 224   | 27915A      | 1   | * Intake Pipe Gasket                  |
| 225   | 35043       | 1   | Carburetor Tube                       |
| 239   | 27272A      | 1   | * Air Cleaner Gasket                  |
| 241   | 35045       | 1   | Air Cleaner Bracket                   |
| 242   | 34699       | 1   | Air Cleaner Bracket                   |
| 245   | 34700A      | 1   | Air Cleaner Filter                    |
| 245A  | 34703       | 1   | Air Cleaner Filter                    |
| 250   | 35602       | 1   | Air Cleaner Cover                     |
| 251   | 650513      | 1   | Wing Nut                              |
| 260   | 34833B      | 1   | Blower Housing                        |
| 261   | 650788      | 2   | Screw, 5/16-18 x 3/4"                 |
| 262   | 29747B      | 2   | Screw, Torx T-40, 5/16-18 x 21/32"    |
| 264A  | 650802      | 1   | Screw, 1/4-20 x 5/8"                  |
| 265   | 33272B      | 1   | Cylinder Head Cover                   |
| 276   | 31588       | 1   | Locking Plate                         |
| 277   | 650729      | 2   | Screw, 5/16-18 x 3-3/16"              |
| 281   | 33013       | 1   | Starter Bubble Cover                  |
| 282   | 650760      | 1   | Screw, 8-32 x 3/8"                    |
| 285   | 35985B      | 1   | Starter Cup                           |
| 287   | 29752       | 4   | Nut & Lock Washer, 1/4-28             |
| 298   | 650665      | 2   | Screw, 1/4-15 x 7/8"                  |

## Engine Parts List #1

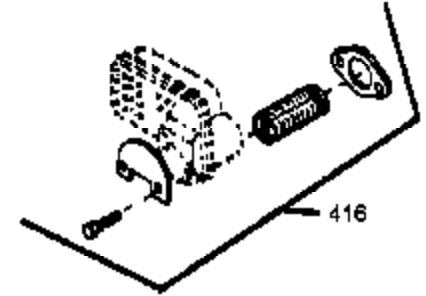
| Ref # | Part Number | Qty | Description                                                                                                                                                                                              |
|-------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 300   | 34186A      | 1   | Fuel Tank (Incl. 292 & 301)                                                                                                                                                                              |
| 301   | 36246       | 1   | Fuel Cap                                                                                                                                                                                                 |
| 305   | 35554       | 1   | Oil Fill Tube                                                                                                                                                                                            |
| 307   | 35499       | 1   | "O" Ring                                                                                                                                                                                                 |
| 308   | 35540       | 1   | Fill Tube Clip                                                                                                                                                                                           |
| 310   | 36593       | 1   | Dipstick                                                                                                                                                                                                 |
| 325   | 29443       | 1   | Spring Clip                                                                                                                                                                                              |
| 327   | 35392       | 1   | Starter Plug                                                                                                                                                                                             |
| 340   | 34155       | 1   | Fuel Tank Bracket                                                                                                                                                                                        |
| 341   | 34154       | 1   | Fuel Tank Bracket                                                                                                                                                                                        |
| 342   | 650561      | 1   | Screw, 1/4-20 x 5/8"                                                                                                                                                                                     |
| 370A  | 36261       | 1   | Lubrication Decal                                                                                                                                                                                        |
| 370D  | 35274       | 1   | Caution Decal                                                                                                                                                                                            |
| 370E  | 37089       | 1   | Air Cleaner Decal                                                                                                                                                                                        |
| 370   | 35532       | 1   | Name Decal                                                                                                                                                                                               |
| 380   | 632325      | 1   | Carburetor (Incl. 184)                                                                                                                                                                                   |
| 390   | 590704      | 1   | Rewind Starter (NOTE: This engine could have been built with 590671 starter. Refer to the design of the rope pulley strength ribs for part identification. Individual starter parts do not interchange.) |
| 400   | 36450A      | 1   | * Gasket Set (Incl. items marked PK in notes) Incl. part #'s 27272A (1), 27896A (2), 27915A (1), 29673 (1), 33263 (1), 33629 (1), 34698A (1), 35262A (1), 36448 (1)                                      |
| 420   | 730225      | 1   | SAE 30 4-Cycle Engine Oil (Quart)                                                                                                                                                                        |



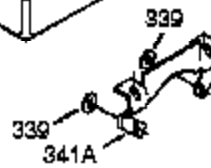
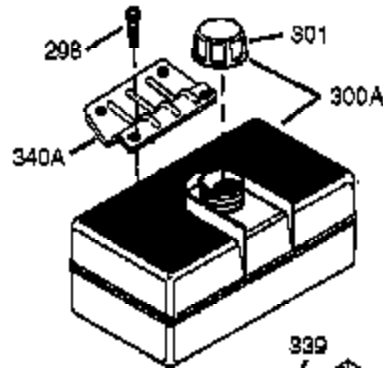
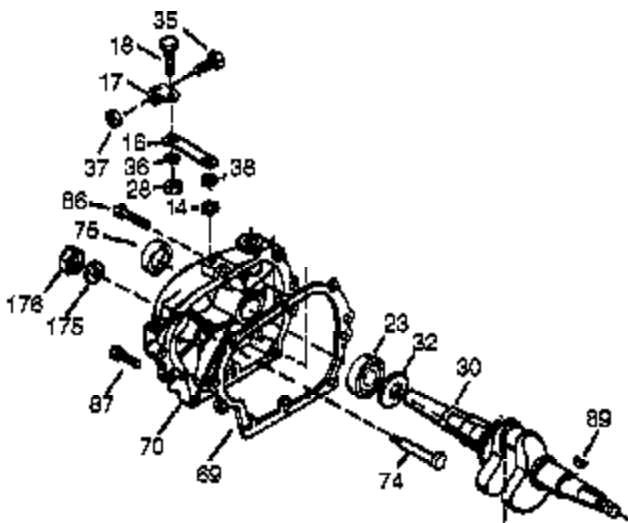
| Ref # | Part Number | Qty | Description                                                                                                                                                                                              |
|-------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 72    | 27642       | 1   | Oil Drain Plug                                                                                                                                                                                           |
| 84    | 29193       | 1   | Retaining Ring                                                                                                                                                                                           |
| 92    | 650880      | 1   | Lock Washer                                                                                                                                                                                              |
| 129   | 650727      | 2   | Screw, 5/16-18 x 1-3/4"                                                                                                                                                                                  |
| 131A  | 650713      | 2   | Screw, 5/16-18 x 5/8"                                                                                                                                                                                    |
| 227   | 35044       | 1   | Air Cleaner Elbow Ass'y. (Incl. 228,229,232,239 & 242)                                                                                                                                                   |
| 228   | 650851      | 1   | Stud, 1/4-20 x 8.1"                                                                                                                                                                                      |
| 232   | 0           | 2   | Pop Rivet (Can be purchased locally)                                                                                                                                                                     |
| 234   | 650852      | 1   | Nut, 1/4-20                                                                                                                                                                                              |
| 235   | 30675       | 1   | Air Cleaner Elbow Fitting                                                                                                                                                                                |
| 238   | 650163      | 2   | Screw, 10-32 x 7/8"                                                                                                                                                                                      |
| 239   | 27272A      | 1   | * Air Cleaner Gasket                                                                                                                                                                                     |
| 239A  | 34698A      | 1   | Air Cleaner Gasket                                                                                                                                                                                       |
| 245   | 34700A      | 1   | Air Cleaner Filter                                                                                                                                                                                       |
| 245A  | 34703       | 1   | Air Cleaner Filter                                                                                                                                                                                       |
| 250   | 35602       | 1   | Air Cleaner Cover                                                                                                                                                                                        |
| 251   | 650513      | 1   | Wing Nut                                                                                                                                                                                                 |
| 260   | 34833B      | 1   | Blower Housing                                                                                                                                                                                           |
| 275   | 34185B      | 1   | Muffler                                                                                                                                                                                                  |
| 277   | 650729      | 2   | Screw, 5/16-18 x 3-3/16"                                                                                                                                                                                 |
| 285   | 35985B      | 1   | Starter Cup                                                                                                                                                                                              |
| 290   | 30705       | 1   | Fuel Line                                                                                                                                                                                                |
| 292   | 26460       | 2   | Fuel Line Clamp                                                                                                                                                                                          |
| 370D  | 35274       | 1   | Caution Decal                                                                                                                                                                                            |
| 370A  | 36261       | 1   | Lubrication Decal                                                                                                                                                                                        |
| 370E  | 37089       | 1   | Air Cleaner Decal                                                                                                                                                                                        |
| 380   | 632325      | 1   | Carburetor (Incl. 184)                                                                                                                                                                                   |
| 390   | 590704      | 1   | Rewind Starter (NOTE: This engine could have been built with 590671 starter. Refer to the design of the rope pulley strength ribs for part identification. Individual starter parts do not interchange.) |



OPTIONAL  
STARTER MUFF KIT



OPTIONAL  
SPARK ARRESTOR KIT



| Ref # | Part Number | Qty | Description                                  |
|-------|-------------|-----|----------------------------------------------|
| 16    | 33454       | 1   | Governor Lever                               |
| 17    | 29916       | 1   | Governor Lever Clamp                         |
| 18    | 651028      | 1   | Screw, Torx T-15, 8-32 x 3/8"                |
| 23    | 33627       | 1   | Ball Bearing                                 |
| 28    | 30322       | 1   | Lock Nut, 8-32                               |
| 30    | 35529A      | 1   | Crankshaft                                   |
| 32    | 33628       | 1   | Washer                                       |
| 35    | 29826       | 1   | Screw, 10-32 x 3/4"                          |
| 36    | 29918       | 1   | Lock Washer                                  |
| 37    | 29216       | 1   | Lock Nut, 10-32                              |
| 38    | 29642       | 1   | Retaining Ring                               |
| 69    | 35262A      | 1   | * Cylinder Cover Gasket                      |
| 70    | 33626B      | 1   | Cylinder Cover (Incl. 75 & 80)               |
| 74    | 31855       | 2   | Retainer Bearing                             |
| 75    | 33625       | 1   | Oil Seal                                     |
| 84    | 29193       | 1   | Retaining Ring                               |
| 86    | 650833      | 7   | Screw, 1/4-20 x 1-3/16"                      |
| 87    | 650832      | 1   | Screw, 1/4-20 x 1-11/16"                     |
| 89    | 32589       | 1   | Flywheel Key                                 |
| 129   | 650727      | 2   | Screw, 5/16-18 x 1-3/4"                      |
| 131A  | 650713      | 2   | Screw, 5/16-18 x 5/8"                        |
| 175   | 650778      | 2   | Lock Washer                                  |
| 176   | 650580      | 2   | Lock Nut, 10-24                              |
| 277   | 650729      | 2   | Screw, 5/16-18 x 3-3/16"                     |
| 290   | 30705       | 1   | Fuel Line                                    |
| 292   | 26460       | 2   | Fuel Line Clamp                              |
| 298   | 650665      | 2   | Screw, 1/4-15 x 7/8"                         |
| 301   | 36246       | 1   | Fuel Cap                                     |
| 314   | 650873      | 2   | Screw, 1/4-20 x 3/4"                         |
| 315   | 611116      | 1   | Alternator Coil (3 Amp)(Incl. 321,322 & 323) |
| 321   | 611161      | 1   | Diode                                        |
| 322   | 611117      | 1   | Connector Body                               |
| 323   | 611118      | 1   | Terminal                                     |
| 370A  | 36261       | 1   | Lubrication Decal                            |
| 370D  | 35274       | 1   | Caution Decal                                |