



## Engine Parts List #1

| Ref # | Part Number | Qty | Description                                  |
|-------|-------------|-----|----------------------------------------------|
| 1     | 35966       | 1   | Cylinder (Incl. 2, 20 & 72)                  |
| 2     | 27652       | 2   | Dowel Pin                                    |
| 15    | 30699C      | 1   | Governor Rod (Incl. 15A & 15B)               |
| 15A   | 30700       | 1   | Governor Yoke                                |
| 15B   | 650494      | 1   | Screw, 6-40 x 5/16"                          |
| 16    | 33454       | 1   | Governor Lever                               |
| 17    | 29916       | 1   | Governor Lever Clamp                         |
| 18    | 650548      | 1   | Screw, 8-32 x 5/16"                          |
| 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    | 35420A      | 1   | Crankshaft                                   |
| 35    | 29826       | 1   | Screw, 10-32 x 3/4"                          |
| 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    | 35373A      | 1   | Connecting Rod Ass'y. (Incl. 46, 47, 49)     |
| 46    | 650908      | 1   | Connecting Rod Bolt                          |
| 47    | 650882      | 1   | Connecting Rod Bolt                          |
| 48    | 34034       | 2   | Valve Lifter                                 |
| 49    | 35374       | 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. 74, 75, 80, 175 & 176) |
| 72    | 27642       | 2   | Oil Drain Plug                               |
| 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    | 611090      | 1   | Flywheel                                     |
| 92    | 650880      | 1   | Lock Washer                                  |
| 93    | 650881      | 1   | Flywheel Nut                                 |
| 100   | 35135       | 1   | Solid State Ignition                         |
| 101   | 610118      | 1   | Spark Plug Cover                             |
| 102   | 650872      | 2   | 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   | 27880A      | 1   | Exhaust Valve (1/32" OS) (Incl. 151)         |
| 125   | 27878A      | 1   | Exhaust Valve (Std.) (Incl. 151)             |

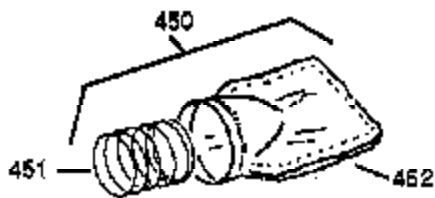
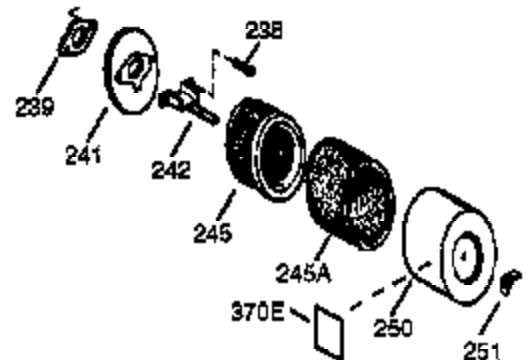
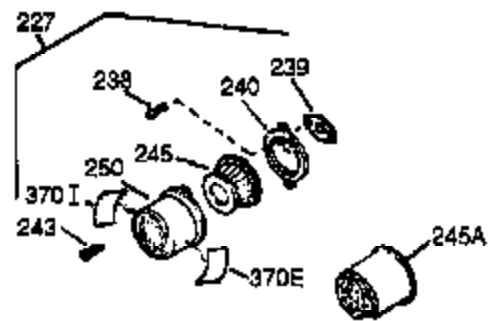
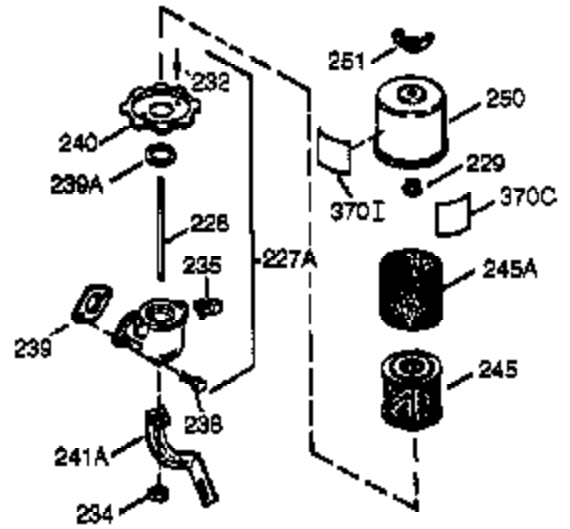
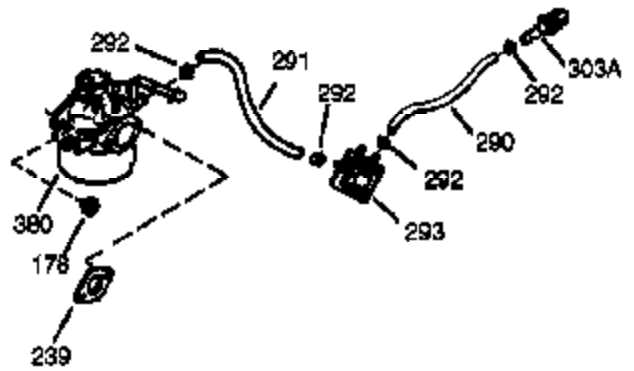
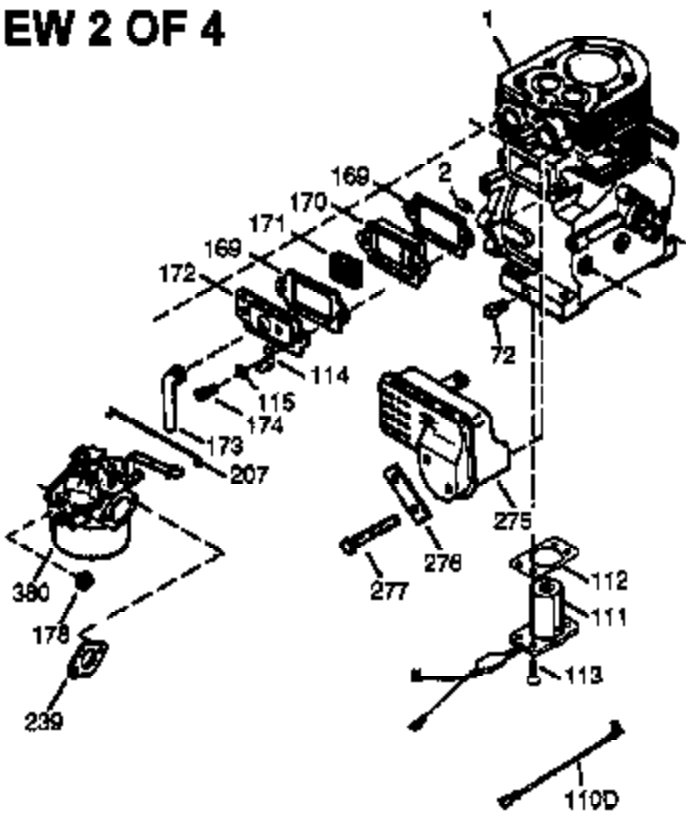
| Ref # | Part Number | Qty | Description                           |
|-------|-------------|-----|---------------------------------------|
| 126   | 34035       | 1   | Intake Valve (Std.) (Incl. 151)       |
| 126   | 34036       | 1   | Intake Valve (1/32" OS) (Incl. 151)   |
| 127   | 650691      | 9   | Washer                                |
| 128   | 650690      | 7   | Belleville Washer                     |
| 130B  | 650713      | 2   | Screw, 5/16-18 x 5/8"                 |
| 130   | 650694A     | 7   | Screw, 5/16-18 x 2"                   |
| 130A  | 650727      | 2   | Screw, 5/16-18 x 1-3/4"               |
| 135   | 33636       | 1   | Resistor Spark Plug (RJ17LM)          |
| 139   | 33369       | 1   | Governor Gear Bracket                 |
| 140   | 650836      | 2   | Screw, 10-24 x 1/2"                   |
| 149A  | 35862       | 1   | Valve Spring Cap                      |
| 149   | 27882       | 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   | 35350       | 1   | Breather Tube                         |
| 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   | 34661       | 1   | Governor Link                         |
| 200   | 34677       | 1   | Control Bracket (Incl. 19, 203 & 204) |
| 203   | 31342       | 1   | Compression Spring                    |
| 204   | 650549      | 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"                   |
| 215   | 32410       | 1   | Control Knob                          |
| 223   | 650378      | 2   | Screw, Torx T-30, 5/16-18 x 1-1/8"    |
| 224   | 27915A      | 1   | * Intake Pipe Gasket                  |
| 260   | 33375D      | 1   | Blower Housing                        |
| 261   | 650788      | 2   | Screw, 5/16-18 x 3/4"                 |
| 262   | 29747B      | 2   | Screw, Torx T-40, 5/16-24 x 21/32"    |
| 265   | 33272B      | 1   | Cylinder Head Cover                   |
| 275   | 34185B      | 1   | Muffler                               |
| 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             |
| 300   | 34156A      | 1   | Fuel Tank (Incl. 292 & 301)           |
| 301   | 35355       | 1   | Fuel Cap                              |
| 305   | 35554       | 1   | Oil Fill Tube                         |
| 307   | 35499       | 1   | "O" Ring                              |
| 308   | 35540       | 1   | Fill Tube Clip                        |
| 310   | 36205       | 1   | Dipstick                              |
| 324   | 33177       | 1   | Terminal                              |
| 325   | 29443       | 1   | Wire Clip                             |
| 340   | 34154       | 1   | Fuel Tank Bracket                     |
| 341   | 34155       | 1   | Fuel Tank Bracket                     |
| 342   | 650561      | 1   | Screw, 1/4-20 x 5/8"                  |
| 370B  | 35703       | 1   | Throttle Decal                        |
| 370C  | 35274       | 1   | Instruction Decal                     |

## Engine Parts List #1

| Ref # | Part Number | Qty | Description                                                                                                                                                                                                                             |
|-------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 370K  | 36695       | 1   | Starter Decal                                                                                                                                                                                                                           |
| 370   | 36261       | 1   | Instruction Decal                                                                                                                                                                                                                       |
| 380   | 632351      | 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. Refer to service bulletin 518.) |
| 400   | 36450A      | 1   | * Gasket Set (Incl. items marked PK i n 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)                                                                                                                                                                                                       |

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## VIEW 2 OF 4

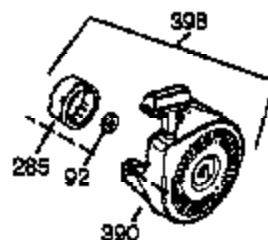
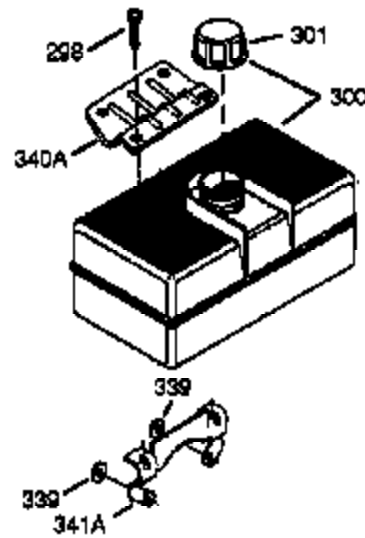
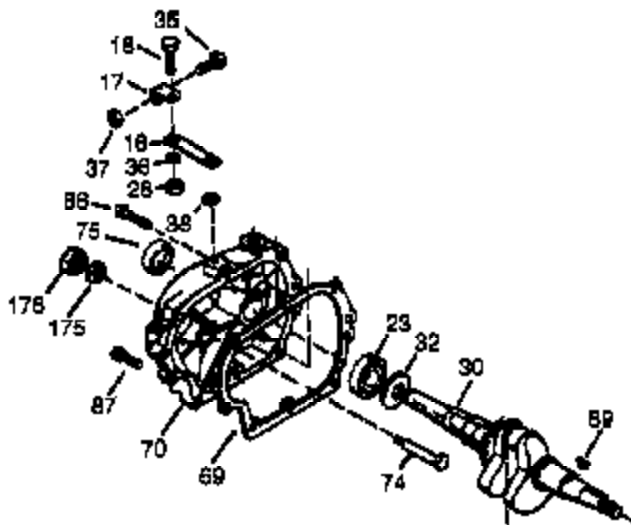
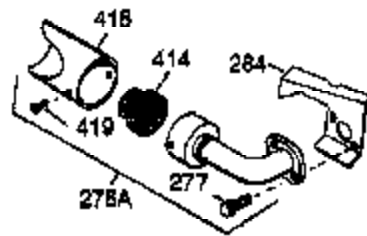
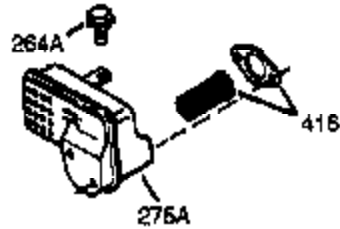
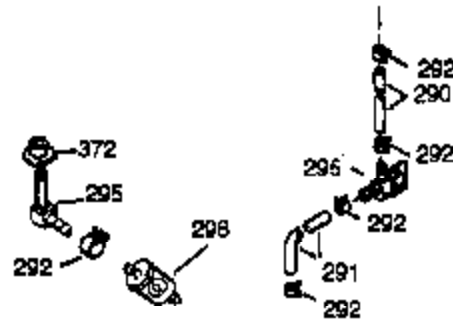
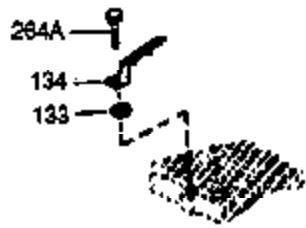


## Engine Parts List #2

| Ref # | Part Number | Qty | Description                          |
|-------|-------------|-----|--------------------------------------|
| 1     | 35966       | 1   | Cylinder (Incl. 2, 20 & 72)          |
| 2     | 27652       | 2   | Dowel Pin                            |
| 72    | 27642       | 2   | Oil Drain Plug                       |
| 111   | 611206      | 1   | Low Oil Shut-Down Switch (Incl. 112) |
| 112   | 35967       | 1   | * Low Oil Shut-Down Gasket           |
| 113   | 650950      | 4   | Screw, Torx T-25, 10-24 x 5/8"       |
| 169   | 27896A      | 2   | * Breather Gasket                    |
| 170   | 28423       | 1   | Breather Body                        |
| 171   | 28424       | 1   | Breather Element                     |
| 172   | 28425       | 1   | Valve Cover                          |
| 174   | 650128      | 2   | Screw, 10-24 x 1/2"                  |
| 178   | 29752       | 2   | Nut & Lock Washer, 1/4-28            |
| 207   | 33878       | 1   | Throttle Link                        |
| 239   | 27272A      | 1   | * Air Cleaner Gasket                 |
| 240   | 33266       | 1   | Air Cleaner Body                     |
| 242   | 33267       | 1   | Air Cleaner Bracket                  |
| 243   | 28820       | 2   | Screw, 10-32 x 1/2"                  |
| 245   | 33268       | 1   | Air Cleaner Filter                   |
| 250   | 33269A      | 1   | Air Cleaner Cover                    |
| 251   | 650513      | 1   | Wing Nut, 1/4-20                     |
| 275   | 34185B      | 1   | Muffler                              |
| 276   | 31588       | 1   | Locking Plate                        |
| 277   | 650729      | 2   | Screw, 5/16-18 x 3-3/16"             |
| 290   | 30705       | 1   | Fuel Line                            |
| 292   | 26460       | 2   | Fuel Line Clamp                      |
| 308   | 35540       | 1   | Fill Tube Clip                       |
| 370C  | 35274       | 1   | Instruction Decal                    |
| 380   | 632351      | 1   | Carburetor (Incl. 184)               |
| 420   | 730225      | 1   | SAE 30 4-Cycle Engine Oil (Quart)    |

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## VIEW 3 OF 4

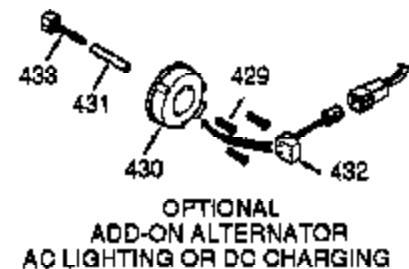
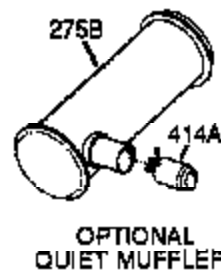
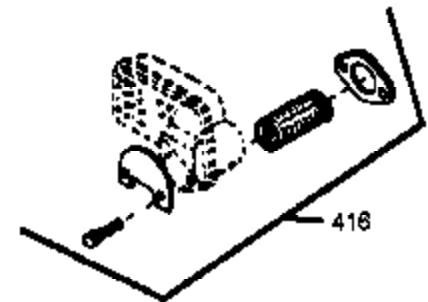
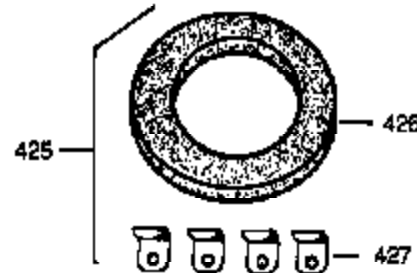
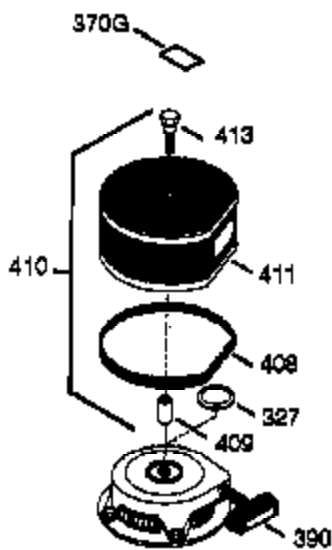
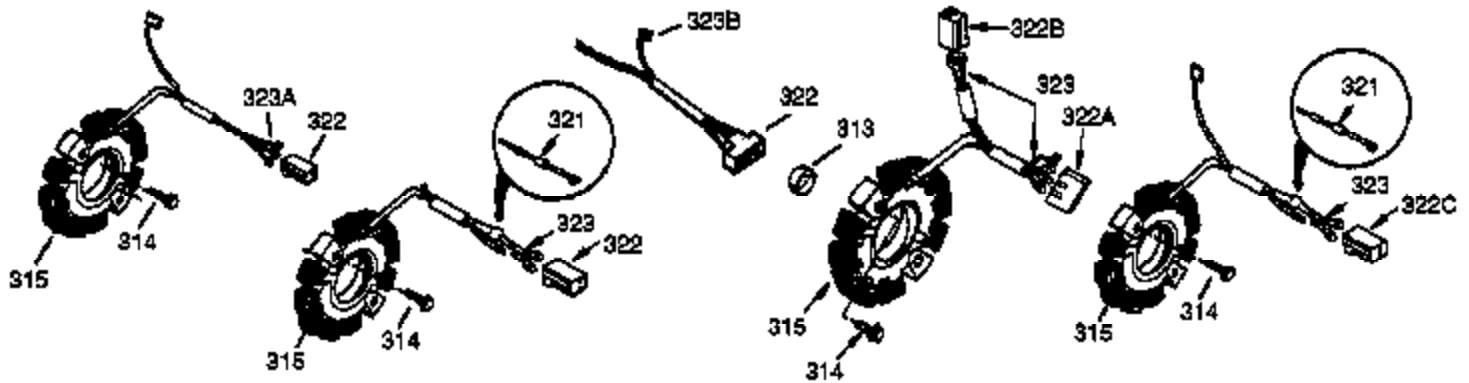
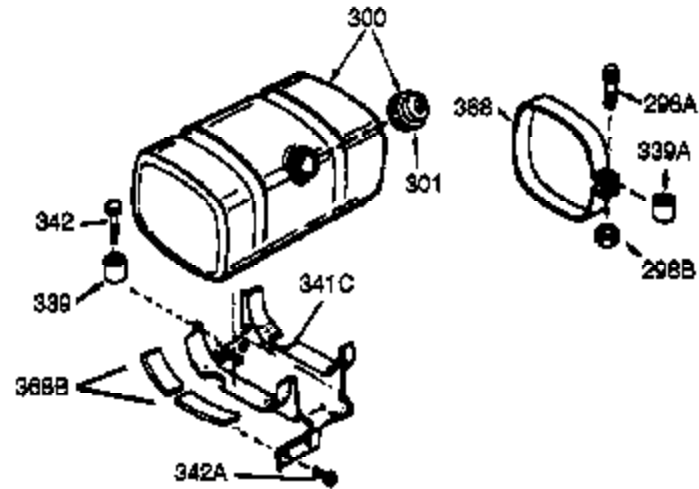
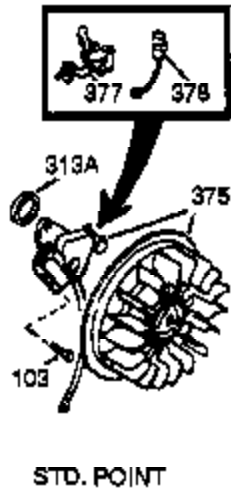


## Engine Parts List #3

| Ref # | Part Number | Qty | Description                                                                                                                                                                                                                             |
|-------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 16    | 33454       | 1   | Governor Lever                                                                                                                                                                                                                          |
| 17    | 29916       | 1   | Governor Lever Clamp                                                                                                                                                                                                                    |
| 18    | 650548      | 1   | Screw, 8-32 x 5/16"                                                                                                                                                                                                                     |
| 23    | 33627       | 1   | Ball Bearing                                                                                                                                                                                                                            |
| 28    | 30322       | 1   | Lock Nut, 8-32                                                                                                                                                                                                                          |
| 30    | 35420A      | 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. 74,75,80,175 & 176)                                                                                                                                                                                               |
| 74    | 31855       | 2   | Bearing Retainer                                                                                                                                                                                                                        |
| 75    | 33625       | 1   | Oil Seal                                                                                                                                                                                                                                |
| 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                                                                                                                                                                                                                            |
| 92    | 650880      | 1   | Lock Washer                                                                                                                                                                                                                             |
| 130B  | 650713      | 2   | Screw, 5/16-18 x 5/8"                                                                                                                                                                                                                   |
| 175   | 650778      | 2   | Lock Washer                                                                                                                                                                                                                             |
| 176   | 650580      | 2   | Lock Nut, 10-24                                                                                                                                                                                                                         |
| 264A  | 650802      | 1   | Screw, 1/4-20 x 5/8"                                                                                                                                                                                                                    |
| 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                                                                                                                                                                                                                         |
| 298   | 650665      | 2   | Screw, 1/4-15 x 3/4"                                                                                                                                                                                                                    |
| 300   | 34156A      | 1   | Fuel Tank (Incl. 292 & 301)                                                                                                                                                                                                             |
| 301   | 35355       | 1   | Fuel Cap                                                                                                                                                                                                                                |
| 308   | 35540       | 1   | Fill Tube Clip                                                                                                                                                                                                                          |
| 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. Refer to service bulletin 518.) |
| 420   | 730225      | 1   | SAE 30 4-Cycle Engine Oil (Quart)                                                                                                                                                                                                       |

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## VIEW 4 OF 4



## Engine Parts List #4

| Ref # | Part Number | Qty | Description                                                                                                                                                                                                                             |
|-------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 103   | 651007      | 2   | Screw, Torx T-15, 10-24 x 15/16"                                                                                                                                                                                                        |
| 300   | 34156A      | 1   | Fuel Tank (Incl. 292 & 301)                                                                                                                                                                                                             |
| 301   | 35355       | 1   | Fuel Cap                                                                                                                                                                                                                                |
| 308   | 35540       | 1   | Fill Tube Clip                                                                                                                                                                                                                          |
| 342   | 650561      | 1   | Screw, 1/4-20 x 5/8"                                                                                                                                                                                                                    |
| 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. Refer to service bulletin 518.) |
| 420   | 730225      | 1   | SAE 30 4-Cycle Engine Oil (Quart)                                                                                                                                                                                                       |