



## Engine Parts List #1

| Ref # | Part Number | Qty | Description                                  |
|-------|-------------|-----|----------------------------------------------|
|       | 1 35385     | 1   | Cylinder (Incl. 2 & 20)                      |
|       | 2 27652     | 2   | Dowel Pin                                    |
| 15B   | 650494      | 1   | Screw, 6-40 x 5/16"                          |
| 15    | 30699C      | 1   | Governor Rod (Incl. 15A & 15B)               |
| 15A   | 30700       | 1   | Governor Yoke                                |
| 16    | 33454A      | 1   | Governor Lever Ass'y.                        |
| 17    | 29916       | 1   | Governor Lever Clamp                         |
| 18    | 651028      | 1   | Screw, Torx T-15, 8-32 x 3/8"                |
| 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    | 35389A      | 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    | 40011       | 1   | Piston, Pin & Ring Set (Std.)                |
| 40    | 40012       | 1   | Piston, Pin & Ring Set (.010" OS)            |
| 41    | 40009       | 1   | Piston & Pin Ass'y. (Std.) (Incl. 43)        |
| 41    | 40010       | 1   | Piston & Pin Ass'y. (.010" OS) (Incl. 43)    |
| 42    | 40013       | 1   | Ring Set (Std.)                              |
| 42    | 40014       | 1   | Ring Set (.010" OS)                          |
| 43    | 27888       | 2   | Piston Pin Retaining Ring                    |
| 45    | 36897       | 1   | Connecting Rod Ass'y. (Incl. 46, 47, 49)     |
| 47    | 651033      | 2   | 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    | 37342       | 1   | * Cylinder Cover Gasket                      |
| 70    | 33626B      | 1   | Cylinder Cover (Incl. 74, 75, 80, 175 & 176) |
| 72    | 27642       | 2   | Oil Drain Plug                               |
| 72A   | 28534       | 1   | Pil 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    | 611090      | 1   | Flywheel                                     |
| 92    | 650880      | 1   | Belleville Washer                            |
| 93    | 650881      | 1   | Flywheel Nut                                 |
| 94    | 651016      | 1   | Lock Nut, 10-32                              |
| 95    | 30886A      | 1   | Extension Spring                             |
| 96    | 30845A      | 1   | R.P.M. Adjusting Bolt                        |
| 100   | 35135       | 1   | Solid State Ignition                         |
| 102   | 651024      | 2   | Solid State Mounting Stud                    |
| 103   | 651007      | 2   | Screw, Torx T-15, 10-24 x 15/16"             |
| 119   | 36448       | 1   | * Cylinder Head Gasket                       |
| 120   | 36449       | 1   | Cylinder Head                                |
| 125   | 27878A      | 1   | Exhaust Valve (Std.) (Incl. 151)             |
| 125   | 27880A      | 1   | Exhaust Valve (1/32" OS) (Incl. 151)         |
| 126   | 34035       | 1   | Intake Valve (Std.) (Incl. 151)              |

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|-------|-------------|-----|-------------------------------------|
| 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  | 651055      | 2   | Screw, 5/16-18 x 5/8"               |
| 133   | 650890      | 1   | Lock Washer                         |
| 134   | 30747       | 1   | Shorting Clip                       |
| 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   | * Valve Cover Gasket                |
| 170   | 28423       | 1   | Breather Body                       |
| 171   | 28424       | 1   | Breather Element                    |
| 172   | 28425       | 1   | Valve Cover                         |
| 173A  | 32446       | 2   | Breather Tube Grommet               |
| 173   | 36675A      | 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   | 33877       | 1   | Intake Pipe                         |
| 207   | 33878       | 1   | Throttle Link                       |
| 223   | 650378      | 2   | Screw, Torx T-30, 5/16-18 x 1-1/8"  |
| 224   | 27915A      | 1   | * Intake Pipe Gasket                |
| 239   | 27272A      | 1   | * Air Cleaner Gasket                |
| 242   | 33267       | 1   | Air Cleaner Bracket                 |
| 245   | 33268       | 1   | Air Cleaner Filter                  |
| 250   | 33269A      | 1   | Air Cleaner Cover                   |
| 251   | 650513      | 1   | Wing Nut, 1/4-20                    |
| 260   | 36236A      | 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"  |
| 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 3/4"                |
| 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   | 35941       | 1   | Dipstick                            |
| 310   | 36205       | 1   | Dipstick                            |
| 340   | 34154       | 1   | Fuel Tank Bracket                   |
| 341   | 34155       | 1   | Fuel Tank Bracket                   |
| 342   | 650561      | 1   | Screw, 1/4-20 x 5/8"                |
| 370G  | 35274       | 1   | Oil Instruction Decal               |
| 370   | 36261       | 1   | Identification Decal                |

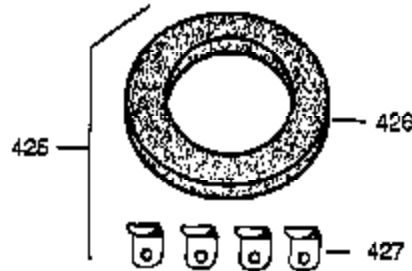
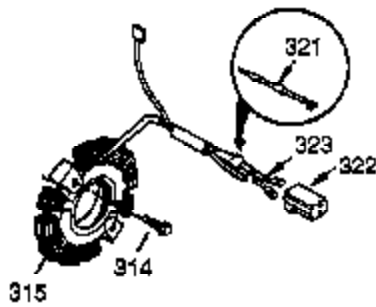
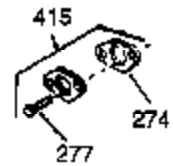
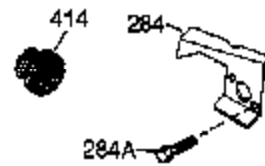
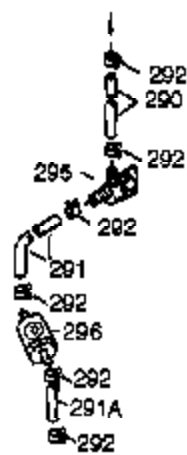
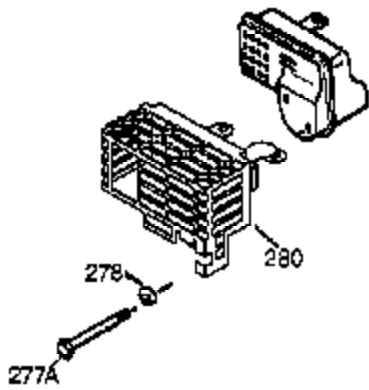
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| Ref # | Part Number | Qty | Description                                                                                                                                                                                                                |
|-------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 370K  | 36695       | 1   | Starter Decal                                                                                                                                                                                                              |
| 380   | 640112      | 1   | Carburetor (Incl. 184)                                                                                                                                                                                                     |
| 390   | 590704      | 1   | Rewind Starter (Note: This engine could have been built with 590746 starter.)                                                                                                                                              |
| 400   | 36450       | 1   | * Gasket Set (Incl. items marked PK i n notes) Incl. part #'s 26756 (1),27272A (2),27896A (2),27915A (1),29673 (1),33263 (1),33629 (1),36448 (1), 34327A (1),34698A (1),34912 (1),34923A (1),35262 (1),35317 (1),35865 (1) |
| 420   | 730225      | 1   | SAE 30 4-Cycle Engine Oil (Quart)                                                                                                                                                                                          |

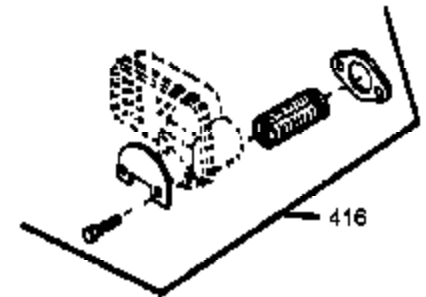


## Engine Parts List #2

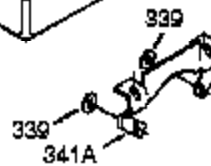
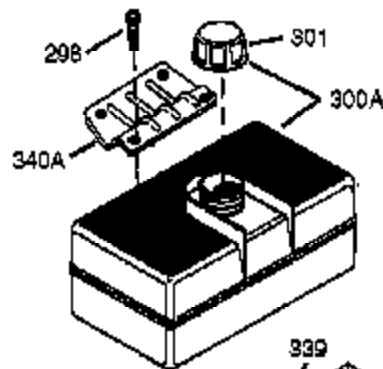
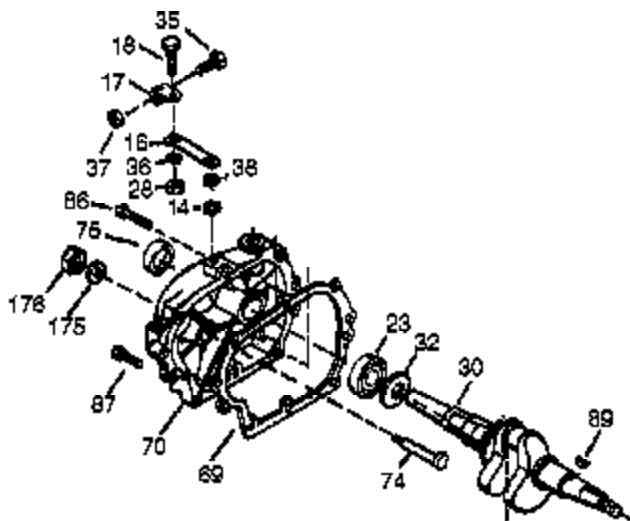
| Ref # | Part Number | Qty | Description                                                                   |
|-------|-------------|-----|-------------------------------------------------------------------------------|
| 72    | 27642       | 2   | Oil Drain Plug                                                                |
| 84    | 29193       | 1   | Retaining Ring                                                                |
| 92    | 650880      | 1   | Belleville Washer                                                             |
| 129   | 650727      | 2   | Screw, 5/16-18 x 1-3/4"                                                       |
| 131A  | 651055      | 2   | Screw, 5/16-18 x 5/8"                                                         |
| 238   | 28820       | 2   | Screw, 10-32 x 1/2"                                                           |
| 239   | 27272A      | 1   | * Air Cleaner Gasket                                                          |
| 240   | 37104       | 1   | Air Cleaner Body                                                              |
| 245   | 33268       | 1   | Air Cleaner Filter                                                            |
| 250   | 33269A      | 1   | Air Cleaner Cover                                                             |
| 251   | 650513      | 1   | Wing Nut, 1/4-20                                                              |
| 260   | 36236A      | 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                                                               |
| 380   | 640112      | 1   | Carburetor (Incl. 184)                                                        |
| 390   | 590704      | 1   | Rewind Starter (Note: This engine could have been built with 590746 starter.) |



OPTIONAL  
STARTER MUFF KIT



OPTIONAL  
SPARK ARRESTOR KIT



| Ref # | Part Number | Qty | Description                               |
|-------|-------------|-----|-------------------------------------------|
| 16    | 33454A      | 1   | Governor Lever Ass'y.                     |
| 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    | 35389A      | 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    | 37342       | 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                                  |
| 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  | 651055      | 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 3/4"                      |
| 301   | 35355       | 1   | Fuel Cap                                  |