



## Engine Parts List #1

| Ref # | Part Number | Qty | Description                               |
|-------|-------------|-----|-------------------------------------------|
| 1     | 35966       | 1   | Cylinder (Incl. 2 & 20)                   |
| 2     | 27652       | 2   | Dowel Pin                                 |
| 15A   | 30700       | 1   | Governor Yoke                             |
| 15    | 30699C      | 1   | Governor Rod (Incl. 15A & 15B)            |
| 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"                       |
| 20    | 35319       | 1   | Oil Seal                                  |
| 25    | 36460       | 1   | Blower Housing Baffle                     |
| 25A   | 36244       | 1   | Air Baffle                                |
| 26    | 650561      | 2   | Screw, 1/4-20 x 5/8"                      |
| 28    | 30322       | 1   | Lock Nut, 8-32                            |
| 30    | 35441A      | 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    | 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    | 35376       | 1   | Cylinder Cover (Incl. 71, 75 & 80)        |
| 71    | 35377       | 1   | Crankshaft Bushing                        |
| 72    | 27642       | 2   | Oil Drain Plug                            |
| 75    | 35319       | 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   | Lock Washer                               |
| 93    | 650881      | 1   | Flywheel Nut                              |
| 94    | 33450       | 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   | 650872      | 2   | Solid State Mounting Stud                 |
| 103   | 650814      | 2   | Screw, Torx T-15, 10-24 x 1"              |

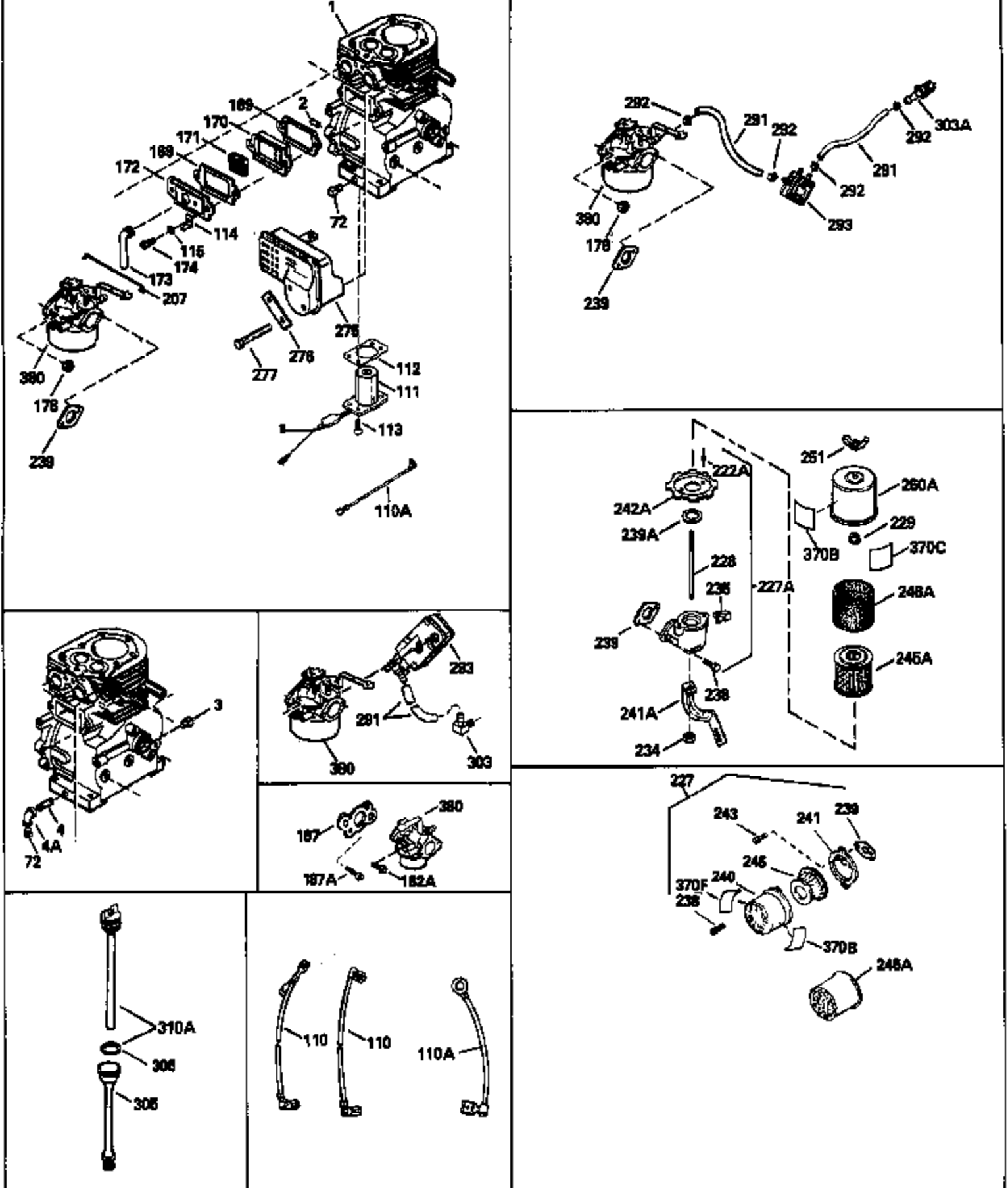
## Engine Parts List #1

| Ref # | Part Number | Qty | Description                          |
|-------|-------------|-----|--------------------------------------|
| 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)      |
| 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"                |
| 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                        |
| 174A  | 650597      | 1   | Screw, 5/16-18 x 2-1/2"              |
| 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                 |
| 242   | 33267       | 1   | Air Cleaner Bracket                  |
| 250   | 33269A      | 1   | Air Cleaner Cover                    |
| 260   | 36468       | 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                  |
| 275   | 34185A      | 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                          |
| 286   | 35446       | 1   | Starter Screen                       |
| 287   | 29752       | 4   | Nut & Lock Washer, 1/4-28            |
| 290   | 30705       | 1   | Fuel Line                            |
| 292   | 26460       | 2   | Fuel Line Clamp                      |
| 298   | 650665      | 2   | Screw, 1/4-15 x 3/4"                 |
| 300   | 34186A      | 1   | Fuel Tank (Incl. 292 & 301)          |
| 301   | 35650       | 1   | Fuel Cap                             |
| 304   | 35480       | 1   | Fuel Cap Retainer                    |
| 311   | 35941       | 1   | Oil Fill Plug (Incl. 312)            |
| 312   | 29673       | 1   | Oil Fill Plug Gasket                 |
| 325   | 29443       | 1   | Wire Clip                            |
| 327   | 35392       | 1   | Starter Plug                         |
| 340   | 34155       | 1   | Fuel Tank Bracket                    |

## Engine Parts List #1

| Ref # | Part Number | Qty | Description                                                                                                                                                                                       |
|-------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 341   | 34154       | 1   | Fuel Tank Bracket                                                                                                                                                                                 |
| 342   | 650561      | 1   | Screw, 1/4-20 x 5/8"                                                                                                                                                                              |
| 370B  | 35274       | 1   | Instruction Decal                                                                                                                                                                                 |
| 370   | 36261       | 1   | Instruction Decal                                                                                                                                                                                 |
| 380   | 632351      | 1   | Carburetor (Incl. 184)                                                                                                                                                                            |
| 390   | 590671      | 1   | Rewind Starter (NOTE: This engine could have been built with 590704 starter. Refer to the design of the air intake louvers for part identification. Individual starter parts do not interchange.) |
| 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)                                                                                                                                                                 |

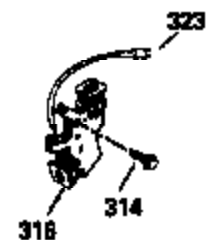
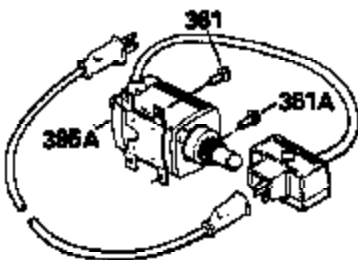
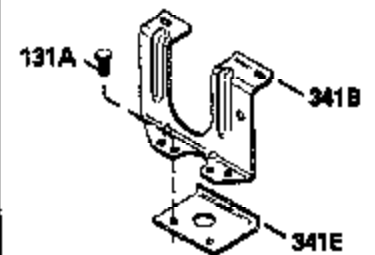
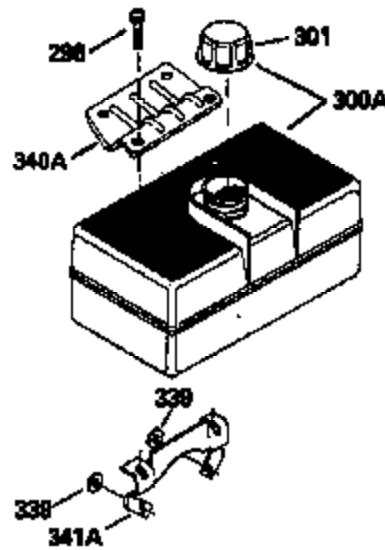
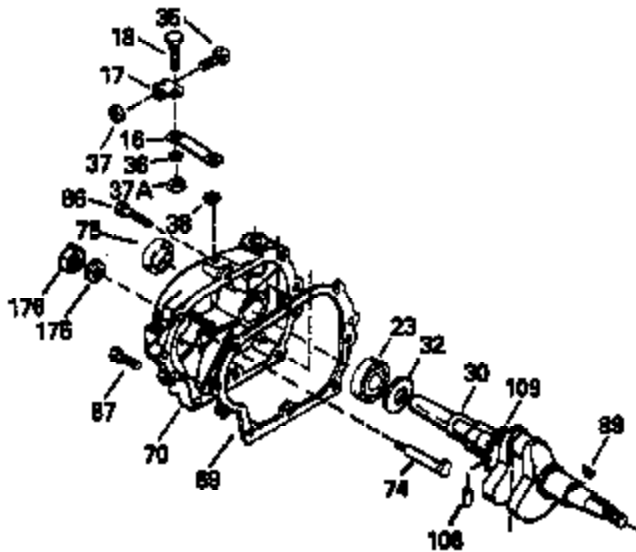
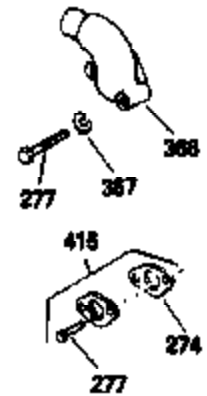
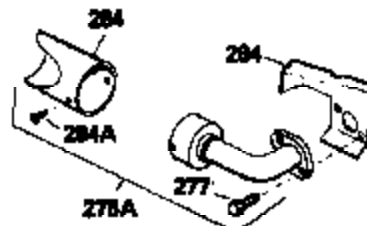
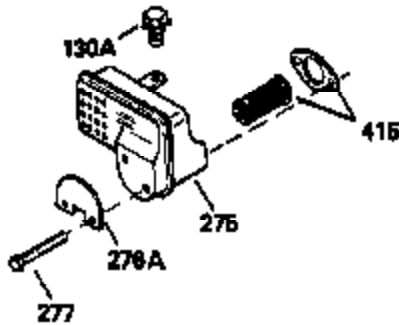
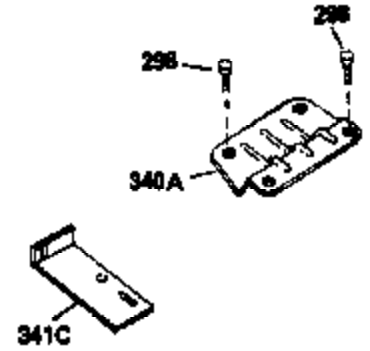
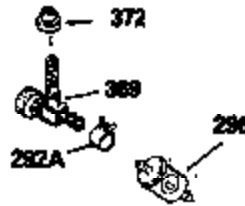
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## Engine Parts List #2

| Ref # | Part Number | Qty | Description                          |
|-------|-------------|-----|--------------------------------------|
|       | 1 35966     | 1   | Cylinder (Incl. 2 & 20)              |
|       | 2 27652     | 2   | Dowel Pin                            |
| 25A   | 36244       | 1   | Air Baffle                           |
| 28    | 30322       | 1   | Lock Nut, 8-32                       |
| 72    | 27642       | 2   | Oil Drain Plug                       |
| 110A  | 35987       | 1   | Oil Sensor Wire                      |
| 111   | 611162      | 1   | Low Oil Shut-Down Switch (Incl. 112) |
| 112   | 35967       | 1   | Oil Sensor Gasket                    |
| 113   | 650950      | 4   | Screw, Torx T-25, 10-24 x 5/8"       |
| 114   | 33932       | 1   | Ground Terminal                      |
| 115   | 650518      | 1   | Lock Washer                          |
| 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                        |
| 174A  | 650597      | 1   | Screw, 5/16-18 x 2-1/2"              |
| 174   | 650128      | 2   | Screw, 10-24 x 1/2"                  |
| 178   | 29752       | 2   | Nut & Lock Washer, 1/4-28            |
| 207   | 33878       | 1   | Throttle Link                        |
| 238   | 28820       | 2   | Screw, 10-32 x 1/2"                  |
| 239   | 27272A      | 1   | * Air Cleaner Gasket                 |
| 240   | 33266       | 1   | Air Cleaner Body                     |
| 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                     |
| 264A  | 650802      | 1   | Screw, 1/4-20 x 5/8"                 |
| 275   | 34185A      | 1   | Muffler                              |
| 276   | 31588       | 1   | Locking Plate                        |
| 277   | 650729      | 2   | Screw, 5/16-18 x 3-3/16"             |
| 292   | 26460       | 2   | Fuel Line Clamp                      |
| 304   | 35480       | 1   | Fuel Cap Retainer                    |
| 370B  | 35274       | 1   | Instruction Decal                    |
| 380   | 632351      | 1   | Carburetor (Incl. 184)               |

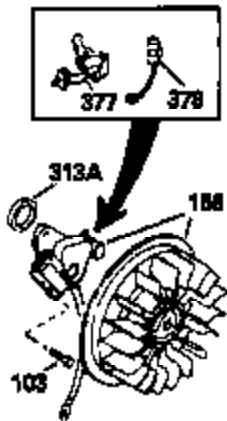
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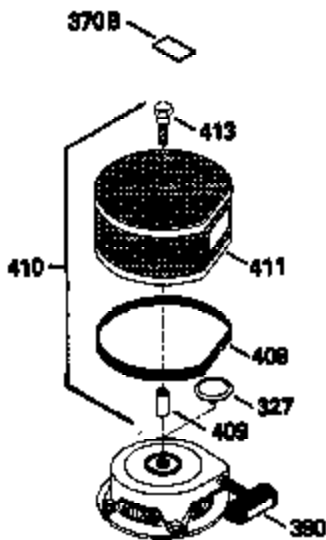
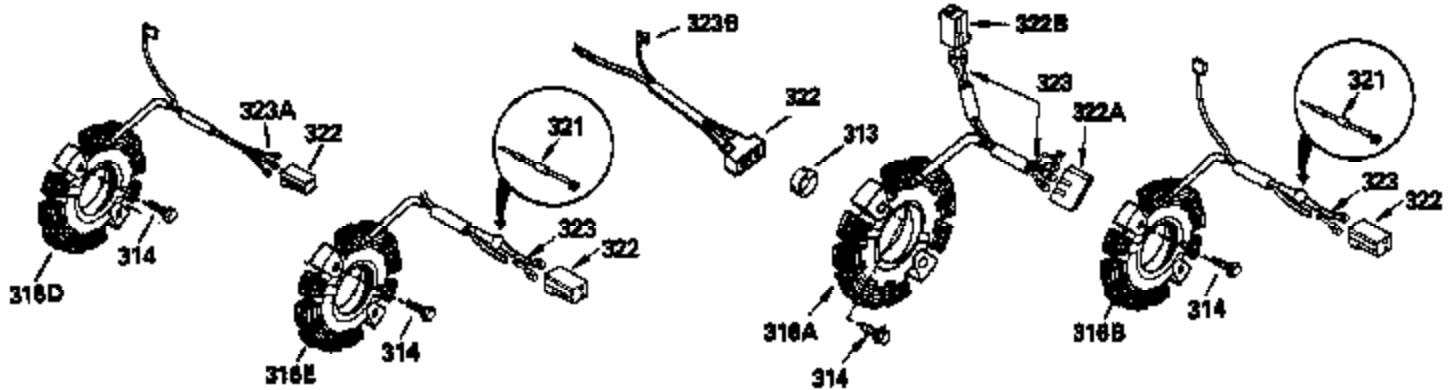
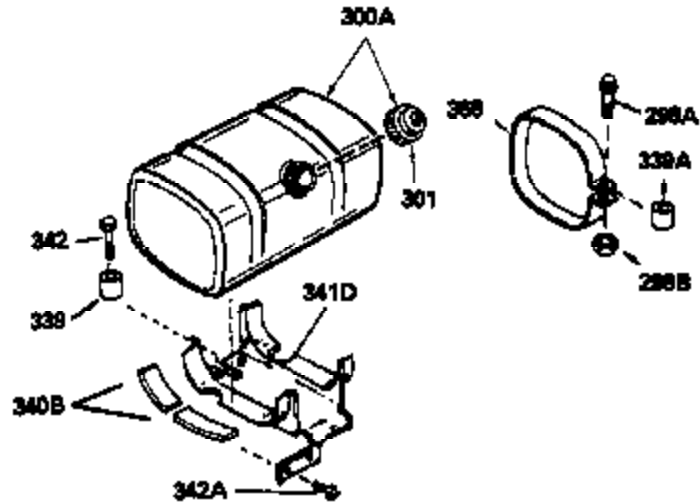
| Ref # | Part Number | Qty | Description                        |
|-------|-------------|-----|------------------------------------|
| 16    | 33454       | 1   | Governor Lever                     |
| 17    | 29916       | 1   | Governor Lever Clamp               |
| 18    | 650548      | 1   | Screw, 8-32 x 5/16"                |
| 25A   | 36244       | 1   | Air Baffle                         |
| 28    | 30322       | 1   | Lock Nut, 8-32                     |
| 30    | 35441A      | 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                     |
| 69    | 35262A      | 1   | * Cylinder Cover Gasket            |
| 70    | 35376       | 1   | Cylinder Cover (Incl. 71, 75 & 80) |
| 75    | 35319       | 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                       |
| 131A  | 650713      | 2   | Screw, 5/16-18 x 5/8"              |
| 133   | 650890      | 1   | Lock Washer                        |
| 134   | 30747       | 1   | Shorting Clip                      |
| 174A  | 650597      | 1   | Screw, 5/16-18 x 2-1/2"            |
| 242   | 33267       | 1   | Air Cleaner Bracket                |
| 250   | 33269A      | 1   | Air Cleaner Cover                  |
| 264A  | 650802      | 1   | Screw, 1/4-20 x 5/8"               |
| 275   | 34185A      | 1   | Muffler                            |
| 277   | 650729      | 2   | Screw, 5/16-18 x 3-3/16"           |
| 298   | 650665      | 2   | Screw, 1/4-15 x 3/4"               |
| 301   | 35650       | 1   | Fuel Cap                           |
| 304   | 35480       | 1   | Fuel Cap Retainer                  |



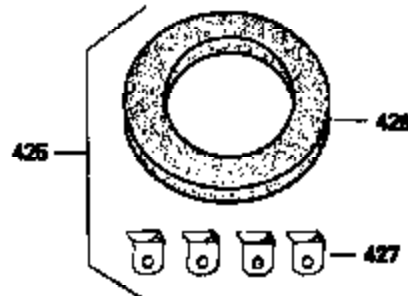
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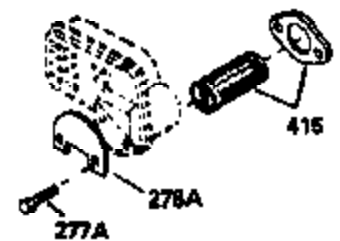
STD. POINT



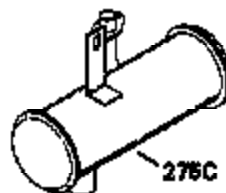
OPTIONAL  
DEBRIS SCREEN KIT



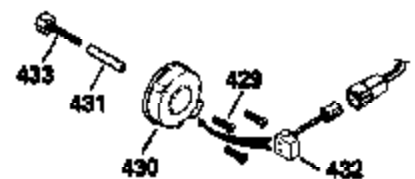
OPTIONAL  
STARTER MUFF KIT



OPTIONAL  
SPARK ARRESTOR KIT



OPTIONAL  
QUIET MUFFLER



OPTIONAL  
ADD-ON ALTERNATOR  
AC LIGHTING OR DC CHARGING

## Engine Parts List #4

| Ref # | Part Number | Qty | Description                                                                                                                                                                                       |
|-------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 25A   | 36244       | 1   | Air Baffle                                                                                                                                                                                        |
| 28    | 30322       | 1   | Lock Nut, 8-32                                                                                                                                                                                    |
| 103   | 650814      | 2   | Screw, Torx T-15, 10-24 x 1"                                                                                                                                                                      |
| 174A  | 650597      | 1   | Screw, 5/16-18 x 2-1/2"                                                                                                                                                                           |
| 242   | 33267       | 1   | Air Cleaner Bracket                                                                                                                                                                               |
| 250   | 33269A      | 1   | Air Cleaner Cover                                                                                                                                                                                 |
| 264A  | 650802      | 1   | Screw, 1/4-20 x 5/8"                                                                                                                                                                              |
| 301   | 35650       | 1   | Fuel Cap                                                                                                                                                                                          |
| 304   | 35480       | 1   | Fuel Cap Retainer                                                                                                                                                                                 |
| 327   | 35392       | 1   | Starter Plug                                                                                                                                                                                      |
| 342   | 650561      | 1   | Screw, 1/4-20 x 5/8"                                                                                                                                                                              |
| 370B  | 35274       | 1   | Instruction Decal                                                                                                                                                                                 |
| 390   | 590671      | 1   | Rewind Starter (NOTE: This engine could have been built with 590704 starter. Refer to the design of the air intake louvers for part identification. Individual starter parts do not interchange.) |