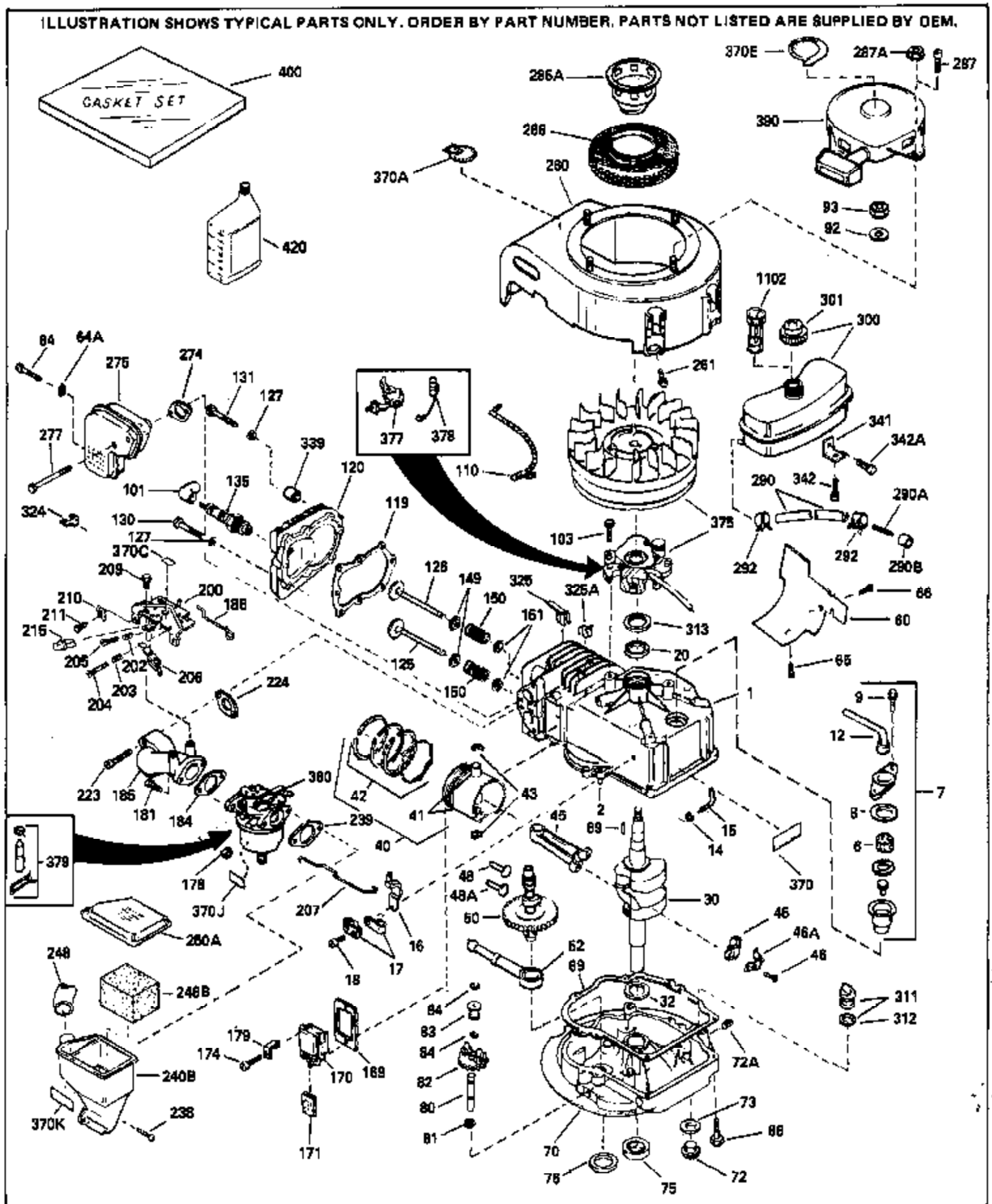




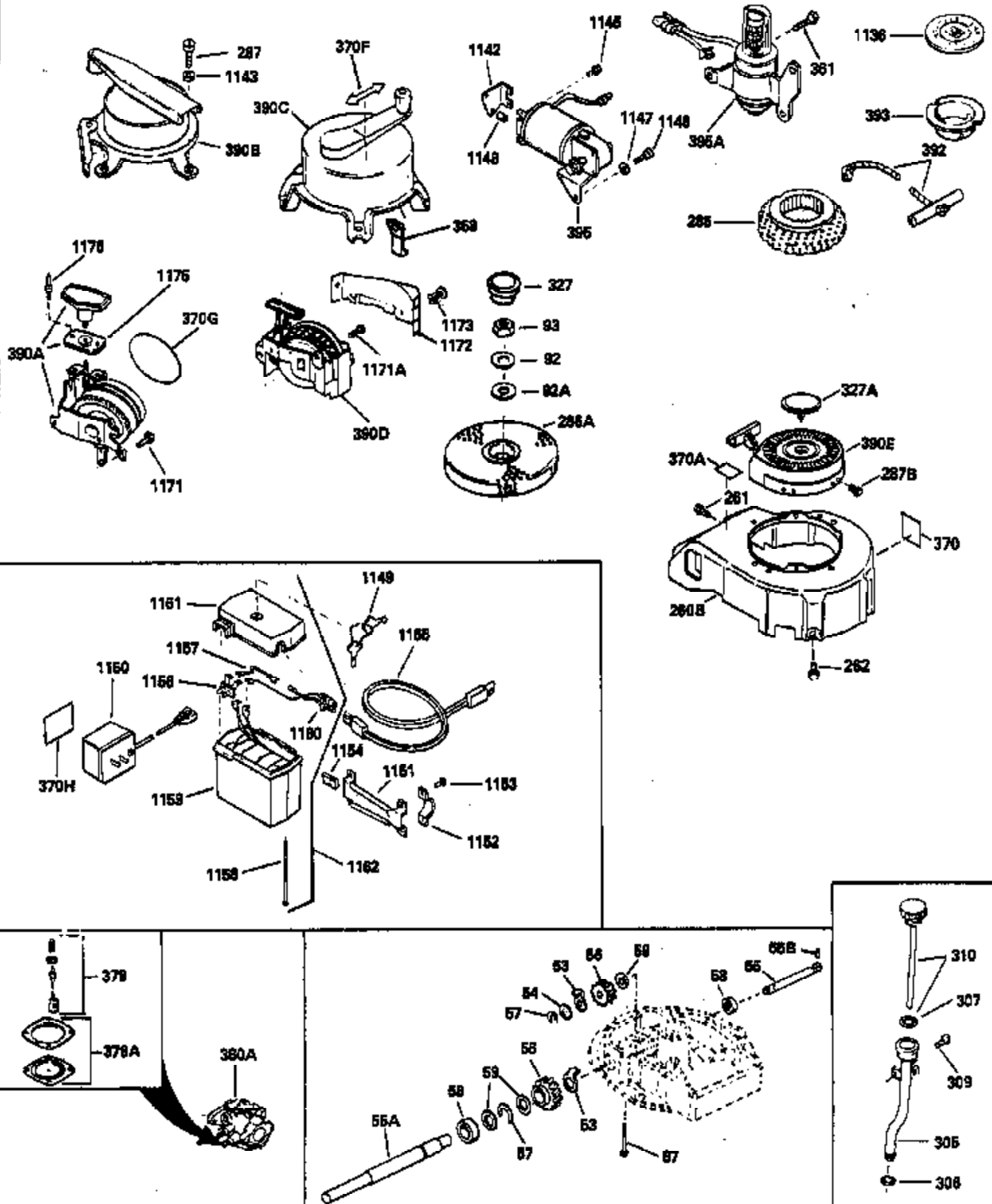
## Engine Parts List #1

| Ref # | Part Number | Qty | Description                                                                                                                                             |
|-------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 33027B      |     | Cylinder (Incl. 2, 8, 9 & 20) (2-5/8" Bore)                                                                                                             |
| 2     | 26727       |     | Pin, Dowel                                                                                                                                              |
| 14    | 28277       |     | Washer, Flat                                                                                                                                            |
| 15    | 30589       |     | Rod, Governor (Incl. 14)                                                                                                                                |
| 16    | 32651       |     | Lever, Governor                                                                                                                                         |
| 17    | 31335       |     | Clamp, Governor lever (Clamp is positioned towardspark plug end on 1977-78 and latermodels. It is positioned opposite spark plugend on earlier models.) |
| 18    | 650548      |     | Screw, 8-32 x 5/16"                                                                                                                                     |
| 19    | 31386       |     | Spring, Governor                                                                                                                                        |
| 20    | 32600       |     | Seal, Oil                                                                                                                                               |
| 30    | 32884A      |     | Crankshaft                                                                                                                                              |
| 32    | 32323       |     | Washer, Thrust                                                                                                                                          |
| 40    | 34851       |     | Piston, Pin & Ring Set (Std.) (2-5/8" Bore)                                                                                                             |
| 40    | 34852       |     | Piston, Pin & Ring Set (.010" OS)                                                                                                                       |
| 40    | 34853       |     | Piston, Pin & Ring Set (.020" OS)                                                                                                                       |
| 41    | 32603B      |     | Piston & Pin Ass'y.(Std.)(Incl. 43)(2 -5/8")                                                                                                            |
| 41    | 32604B      |     | Piston & Pin Ass'y. (.010" OS) (Incl. 43)                                                                                                               |
| 41    | 32605B      |     | Piston & Pin Ass'y. (.020" OS) (Incl. 43)                                                                                                               |
| 42    | 34854       |     | Ring Set (Std.) (2-5/8" Bore)                                                                                                                           |
| 42    | 34855       |     | Ring Set (.010" OS)                                                                                                                                     |
| 42    | 34856       |     | Ring Set (.020" OS)                                                                                                                                     |
| 43    | 20381       |     | Ring, Piston pin retaining                                                                                                                              |
| 45    | 32875       |     | Rod Assy., Connecting (Incl. 18)                                                                                                                        |
| 46    | 32610       |     | Connecting Rod Bolt (Early Production )                                                                                                                 |
| 46    | 32610A      |     | Bolt, Connecting rod                                                                                                                                    |
| 46A   | 32609       |     | Plate, Lock (Do not use with 32610A locking type screw)                                                                                                 |
| 48    | 27241       |     | Lifter, Exhaust valve                                                                                                                                   |
| 48A   | 32646       |     | Lifter, Intake valve                                                                                                                                    |
| 50    | 32647       |     | Camshaft (MCR)                                                                                                                                          |
| 52    | 29914       |     | Pump Assy., Oil                                                                                                                                         |
| 60    | 29745       |     | Extension, Blower housing                                                                                                                               |
| 66    | 30063       |     | Screw, Torx T-30, 1/4-20 x 1/2"                                                                                                                         |
| 69    | 35261       |     | * Gasket, Mounting flange                                                                                                                               |
| 70    | 32696B      |     | Flange Ass'y. (Incl. 72, 75, 80, 306 & 311)                                                                                                             |
| 72    | 30572       |     | Plug, Oil drain (Incl. 73)                                                                                                                              |
| 72A   | 9556        |     | Oil Drain Plug (Use as required)                                                                                                                        |
| 73    | 28833       |     | * Drain Plug Gasket (Do not use w/plastic plug)                                                                                                         |
| 75    | 27897       |     | Seal, Oil                                                                                                                                               |
| 80    | 30574       |     | Shaft, Mechanical governor                                                                                                                              |
| 81    | 30590A      |     | Washer, Flat                                                                                                                                            |
| 82    | 30591       |     | Gear Assy., Governor (Incl. 81)                                                                                                                         |
| 83    | 30588A      |     | Spool, Governor                                                                                                                                         |
| 84    | 29193       |     | Ring, Retaining                                                                                                                                         |
| 86    | 650488      |     | Screw, 1/4-20 x 1-1/4"                                                                                                                                  |
| 89    | 610951      |     | Key, Flywheel                                                                                                                                           |
| 92    | 650815      |     | Washer, Belleville                                                                                                                                      |
| 93    | 650607      |     | Nut, Flywheel                                                                                                                                           |
| 103   | 650489      |     | Screw, 1/4-20 x 5/8"                                                                                                                                    |
| 119   | 33015A      |     | * Gasket, Cylinder head                                                                                                                                 |
| 120   | 33016A      |     | Head, Cylinder (Incl. 131)                                                                                                                              |
| 125   | 32644A      |     | Intake Valve (STD)(Incl.151) (Inverted Ports)                                                                                                           |
| 125   | 32645A      |     | Intake Valve (1/32" OS)(Incl.151) (Inverted Ports)                                                                                                      |
| 126   | 29313C      |     | Exhaust Valve (STD)(Incl. 151) (Inverted Ports)                                                                                                         |
| 126   | 29315C      |     | Exhaust Valve (1/32" OS)(Incl. 151) (Inverted Ports)                                                                                                    |
| 127   | 26073       |     | Washer (Not used in late production)                                                                                                                    |
| 127   | 650691      |     | Washer (Used on late production)                                                                                                                        |

| Ref # | Part Number | Qty | Description                                                                                                                          |
|-------|-------------|-----|--------------------------------------------------------------------------------------------------------------------------------------|
| 130   | 6021A       |     | Screw, 5/16-18 x 1-1/2" (Use as required)                                                                                            |
| 130   | 650818      |     | Screw, 5/16-18 x 1-1/2" (Use as required)                                                                                            |
| 131   | 650694A     |     | Screw, 5/16-18 x 2" (Use as required)                                                                                                |
| 131   | 650697A     |     | Screw, 5/16-18 x 2-1/2" (Use as required)                                                                                            |
| 135   | 33636       |     | Spark Plug (J-8C)                                                                                                                    |
| 149   | 31671       |     | Valve Spring Cap) (Used in early production)                                                                                         |
| 150   | 31672       |     | Spring, Valve                                                                                                                        |
| 151   | 31673       |     | Cap, Lower valve spring                                                                                                              |
| 169   | 31619A      |     | * Gasket, Valve spring cover                                                                                                         |
| 170   | 31337A      |     | Body Assy., Breather (Incl. 169 & 171 )                                                                                              |
| 171   | 31410       |     | Element, Breather                                                                                                                    |
| 174   | 650128      |     | Screw, 10-24 x 1/2"                                                                                                                  |
| 178   | 29752       |     | Nut & Lockwasher, 1/4-28                                                                                                             |
| 181   | 6201        |     | Screw, 1/4-28 x 7/8"                                                                                                                 |
| 182   | 6201        |     | Screw, 1/4-28 x 7/8"                                                                                                                 |
| 184   | 31688A      |     | * Gasket, Carburetor                                                                                                                 |
| 185   | 32650       |     | Pipe, Intake                                                                                                                         |
| 186   | 32653       |     | Link, Governor spring                                                                                                                |
| 200   | 31520A      |     | Control Bracket (Incl. 203, 204 & 206 )                                                                                              |
| 203   | 31342       |     | Spring, Compression                                                                                                                  |
| 204   | 650549      |     | Screw, 5-40 x 7/16"                                                                                                                  |
| 206   | 610973      |     | Terminal Assy.                                                                                                                       |
| 207   | 32652       |     | Link, Governor-to-throttle                                                                                                           |
| 209   | 30200       |     | Screw, 10-24 x 9/16"                                                                                                                 |
| 210   | 27793       |     | Clip, Conduit                                                                                                                        |
| 211   | 28942       |     | Screw, 10-32 x 3/8"                                                                                                                  |
| 223   | 650664      |     | Screw, 1/4-20 x 1-19/32"                                                                                                             |
| 224   | 32649A      |     | * Gasket, Intake                                                                                                                     |
| 238   | 28820       |     | Screw, 10-32 x 1/2"                                                                                                                  |
| 239   | 27272A      |     | * Gasket, Air cleaner                                                                                                                |
| 260   | 32455B      |     | Housing, Blower NOTE: Replacement hardware may differ when servicing starter Assy. or blower housing. Refer to Service Bulletin 508. |
| 261   | 650561      |     | Screw, 1/4 20 x 5/8"                                                                                                                 |
| 274   | 26754A      |     | * Gasket, Exhaust                                                                                                                    |
| 275   | 35771       |     | Muffler (Incl. 274)                                                                                                                  |
| 277   | 30063       |     | Screw, Torx T-30, 1/4-20 x 1/2" (Use as req.)                                                                                        |
| 285A  | 590416      |     | Cup, Starter                                                                                                                         |
| 286   | 590417      |     | Screen, Starter cup                                                                                                                  |
| 287   | 29716       |     | Screw, 1/4-28 x 7/16" (Use as required)                                                                                              |
| 287   | 30513       |     | Screw & Lockwasher, 1/4-28 x 1/2"                                                                                                    |
| 287   |             |     | Pop Rivet (Purchase locally) (3/16" dia.)                                                                                            |
| 287A  | 29752       |     | Nut & Lockwasher, 1/4-28 (Use as required)                                                                                           |
| 290B  | 29774       |     | Connector, Fuel line (Braided 8-1/4") (21cm)                                                                                         |
| 290   | 29774       |     | Fuel Line(Braided 8-1/4")(21 cm)(Use as req.)                                                                                        |
| 290   | 34357       |     | Fuel Line (Epichlorohydrin 6-3/4") (1 7 cm)                                                                                          |
| 290   | 30705       |     | Fuel Line (Braided 16")(40 cm)(Use as req.)                                                                                          |
| 290A  | 31400       |     | Fuel Line (Metal 3-3/8")                                                                                                             |
| 292   | 26460       |     | Fuel Line Clamp (Use as required)                                                                                                    |
| 300   | 32671       |     | Fuel Tank (Incl. 292 & 301)                                                                                                          |
| 301   | 410144B     |     | Fuel Cap (Std.) (Use as required)                                                                                                    |
| 301   | 33032       |     | Fuel Cap (Use as required)                                                                                                           |
| 301   | 34210       |     | Fuel Cap (use as required)                                                                                                           |
| 305   | 32750       |     | Oil Fill Tube                                                                                                                        |
| 325A  | 27275       |     | Clip, Hi-tension wire (Use as required)                                                                                              |
| 370A  | 550223      |     | Name & Instruction Decal                                                                                                             |
| 370   | 34346       |     | Decal, Instruction                                                                                                                   |

| Ref # | Part Number | Qty | Description                                                                                                                                                                                                                                                                      |
|-------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 375   | 610755      |     | Magneto (W/Ring Gear) NOTE: This magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as shown in parts breakdown. Refer to Division 5, Section B, page 24 or Fiche 6, Grid F-11 for breakdown) |
| 377   | 30547A      |     | Contact Assy., Breaker                                                                                                                                                                                                                                                           |
| 378   | 30548B      |     | Condenser                                                                                                                                                                                                                                                                        |
| 379   | 631021      |     | Inlet Needle, Seat & Clip Assy.                                                                                                                                                                                                                                                  |
| 380   | 631465      |     | Carburetor (Incl. 184) Refer to Division 5, Section A, page 100 or Fiche 6, Grid D-13 for breakdown)                                                                                                                                                                             |
| 390   | 590420A     |     | Rewind Starter NOTE: Replacement hardware may differ when servicing starter assy. or blower housing. Refer to Service Bulletin 508. (Refer to Division 5, Section C, page 25 or Fiche 6, Grid G-3 for breakdown)                                                                 |
| 400   | 33238D      |     | * Gasket Set (Incl. items marked *)                                                                                                                                                                                                                                              |
| 420   | 730225      |     | SAE 30 4-Cycle Engine Oil (Quart)                                                                                                                                                                                                                                                |

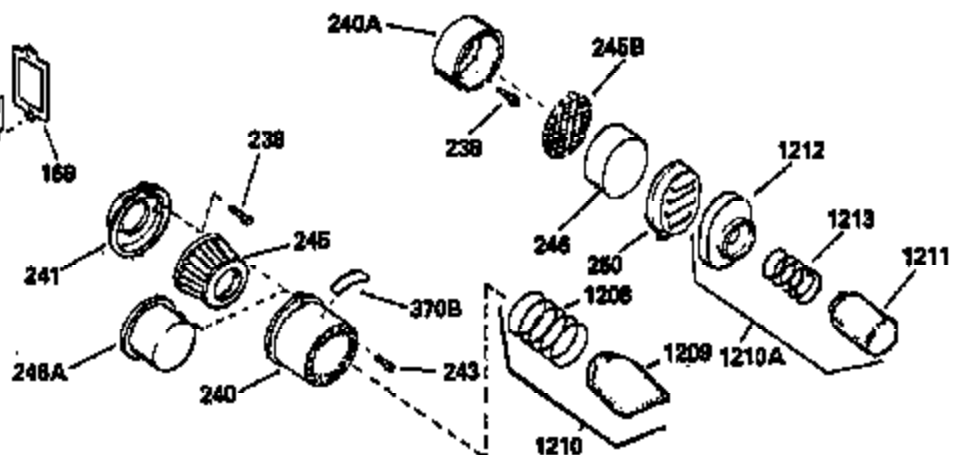
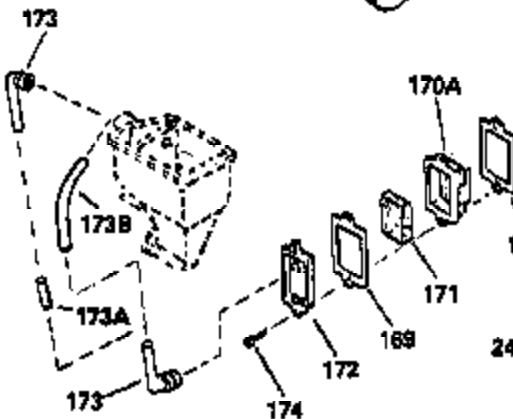
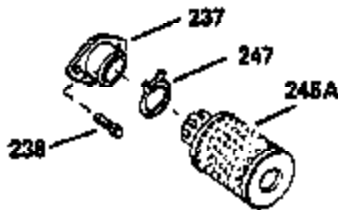
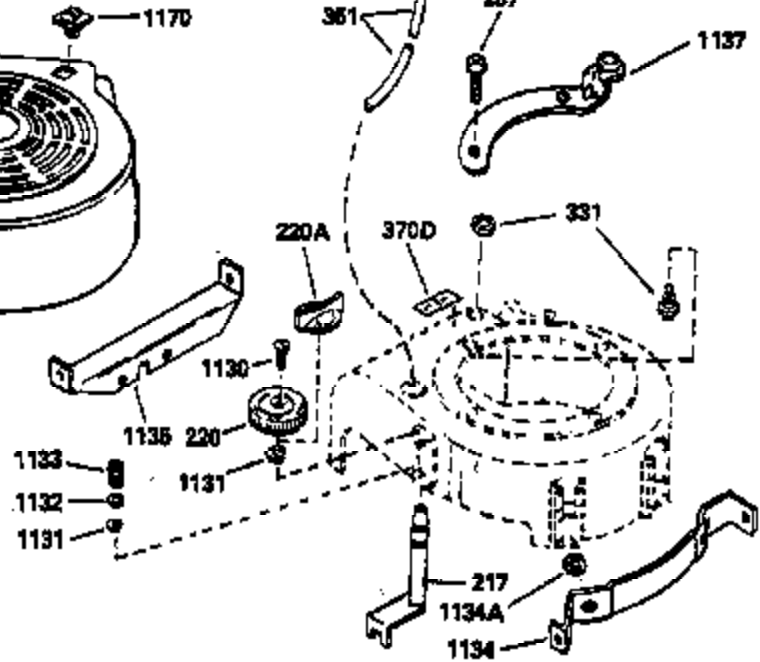
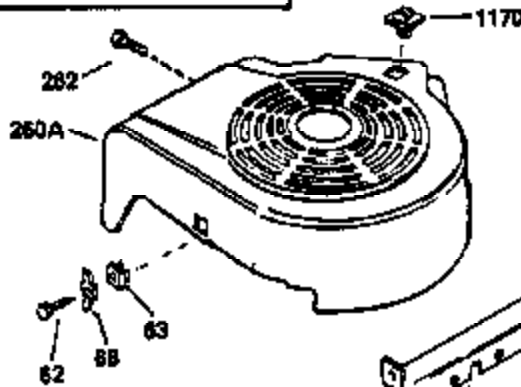
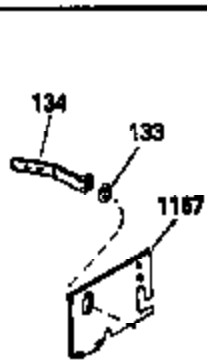
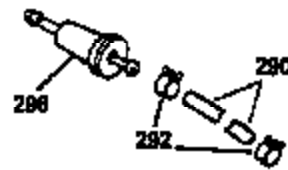
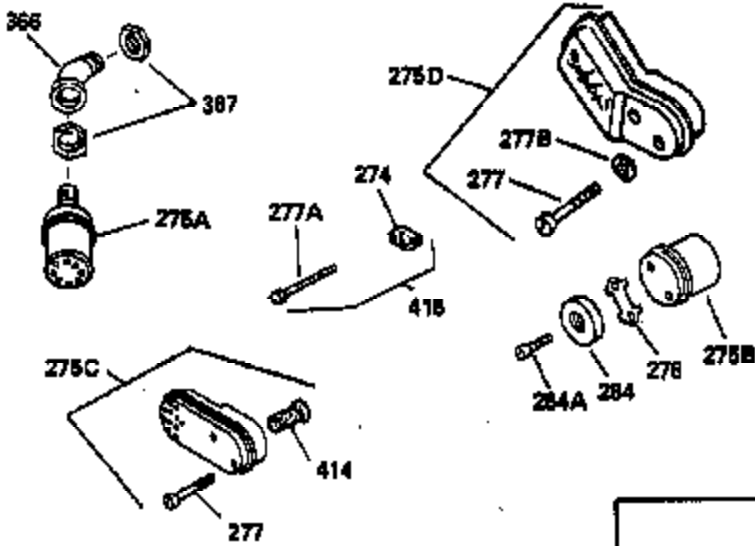
ILLUSTRATION SHOWS TYPICAL PARTS ONLY. ORDER BY PART NUMBER. PARTS NOT LISTED ARE SUPPLIED BY OEM.



## Engine Parts List #2

| Ref # | Part Number | Qty | Description                                                                                                                                 |
|-------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------|
| 19    | 31386       |     | Spring, Governor                                                                                                                            |
| 32    | 32323       |     | Washer, Thrust                                                                                                                              |
| 92    | 650815      |     | Washer, Belleville                                                                                                                          |
| 93    | 650607      |     | Nut, Flywheel                                                                                                                               |
| 182   | 6201        |     | Screw, 1/4-28 x 7/8"                                                                                                                        |
| 261   | 650561      |     | Screw, 1/4 20 x 5/8"                                                                                                                        |
| 262   | 650561      |     | Screw, 1/4-20 x 5/8"                                                                                                                        |
| 287   | 29716       |     | Screw, 1/4-28 x 7/16" (Use as require d)                                                                                                    |
| 287   | 30513       |     | Screw & Lockwasher, 1/4-28 x 1/2"                                                                                                           |
| 287   |             |     | Pop Rivet (Purchase locally) (3/16" d ia.)                                                                                                  |
| 305   | 32750       |     | Oil Fill Tube                                                                                                                               |
| 306   | 34282       |     | "O" Ring (This "O" ring is required with metal fill tube only when replacement mounting flange with .777 dia. oil fill hole has been used.) |
| 306   | 30139       |     | "O" Ring                                                                                                                                    |
| 307   | 29985       |     | "O" Ring                                                                                                                                    |
| 309   | 650562      |     | Screw, 10-32 x 1/2"                                                                                                                         |
| 310   | 30140       |     | Dipstick (Incl. 307)                                                                                                                        |
| 370   | 34346       |     | Decal, Instruction                                                                                                                          |
| 370A  | 550223      |     | Name & Instruction Decal                                                                                                                    |
| 379   | 631021      |     | Inlet Needle, Seat & Clip Assy.                                                                                                             |
| 1175  | 590441      |     | Bracket Ass'y. (Use as required)                                                                                                            |
| 1176  | 650639      |     | Open End Rivet (Use as required)                                                                                                            |

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## Engine Parts List #3

| Ref # | Part Number | Qty | Description                                              |
|-------|-------------|-----|----------------------------------------------------------|
| 19    | 31386       |     | Spring, Governor                                         |
| 32    | 32323       |     | Washer, Thrust                                           |
| 133   | 650890      |     | Lockwasher                                               |
| 134   | 30747       |     | Clip, Shorting                                           |
| 169   | 31619A      |     | * Gasket, Valve spring cover                             |
| 171   | 31410       |     | Element, Breather                                        |
| 174   | 650128      |     | Screw, 10-24 x 1/2"                                      |
| 182   | 6201        |     | Screw, 1/4-28 x 7/8"                                     |
| 238   | 28820       |     | Screw, 10-32 x 1/2"                                      |
| 240   | 31715       |     | Body, Air cleaner                                        |
| 241   | 31691       |     | Bracket, Air cleaner                                     |
| 243   | 650152      |     | Screw, 8-32 x 3/8"                                       |
| 245   | 30727       |     | Air Cleaner Filter                                       |
| 262   | 650561      |     | Screw, 1/4-20 x 5/8"                                     |
| 274   | 26754A      |     | * Gasket, Exhaust                                        |
| 277   | 30063       |     | Screw, Torx T-30, 1/4-20 x 1/2" (Use as req.)            |
| 277A  | 650774      |     | Screw, 1/4-20 x 2-3/8"                                   |
| 287   | 29716       |     | Screw, 1/4-28 x 7/16" (Use as require d)                 |
| 287   | 30513       |     | Screw & Lockwasher, 1/4-28 x 1/2"                        |
| 287   |             |     | Pop Rivet (Purchase locally) (3/16" d ia.)               |
| 290   | 29774       |     | Fuel Line(Braided 8-1/4")(21 cm)(Use as req.)            |
| 290   | 34357       |     | Fuel Line (Epichlorohydrin 6-3/4") (1 7 cm)              |
| 290   | 30705       |     | Fuel Line (Braided 16")(40 cm)(Use as req.)              |
| 292   | 26460       |     | Fuel Line Clamp (Use as required)                        |
| 305   | 32750       |     | Oil Fill Tube                                            |
| 370B  | 31752       |     | Decal, Air cleaner                                       |
| 415   | 730162      |     | Muffler Adapter Kit (Incl. 274 & 277A ) (Inverted Ports) |