



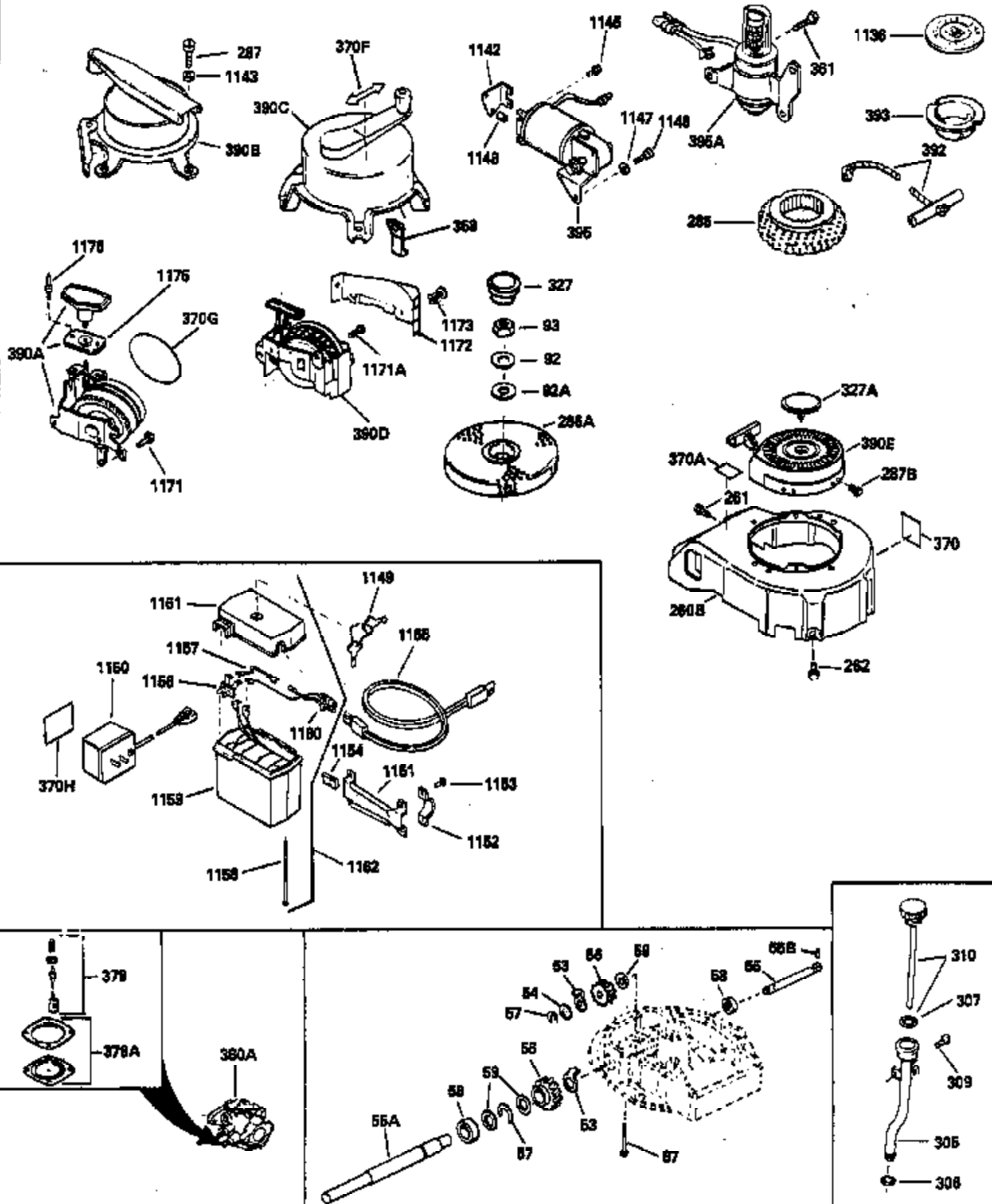
## Engine Parts List #1

| Ref # | Part Number | Qty | Description                                                                                                                                             |
|-------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 32601A      |     | Cylinder (Incl. 2, 20, 119 & 120) (2- 5/8")                                                                                                             |
| 2     | 26727       |     | Pin, Dowel                                                                                                                                              |
| 14    | 28277       |     | Washer, Flat                                                                                                                                            |
| 15    | 31513       |     | Rod, Governor                                                                                                                                           |
| 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    | 32883A      |     | Crankshaft                                                                                                                                              |
| 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)                                                                                                                        |
| 46A   | 32609       |     | Plate, Lock (Do not use with 32610A locking type screw)                                                                                                 |
| 46    | 32610       |     | Connecting Rod Bolt (Early Production )                                                                                                                 |
| 46    | 32610A      |     | Bolt, Connecting rod                                                                                                                                    |
| 48A   | 32646       |     | Lifter, Intake valve                                                                                                                                    |
| 48    | 27241       |     | Lifter, Exhaust 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    | 35609       |     | Flange Ass'y. (Incl. 58, 72, 75, 80 & 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/plast ic plug)                                                                                                        |
| 75    | 26208       |     | 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"                                                                                                                                    |
| 110   | 35349       |     | Ground Wire                                                                                                                                             |
| 119   | 32643A      |     | * Gasket, Cylinder head                                                                                                                                 |
| 120   | 30579A      |     | Head, Cylinder (Incl. 131)                                                                                                                              |
| 125   | 32644A      |     | Intake Valve (STD)(Incl.151) (Inverte d 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   | 32181A      |     | 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   | 32712A      |     | Muffler                                                                                                                              |
| 277   | 30063       |     | Screw, Torx T-30, 1/4-20 x 1/2" (Use as req.)                                                                                        |
| 285A  | 590416      |     | Cup, Starter                                                                                                                         |
| 286   | 590417      |     | Screen, Starter cup                                                                                                                  |
| 287A  | 29752       |     | Nut & Lockwasher, 1/4-28 (Use as required)                                                                                           |
| 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.)                                                                                            |
| 290A  | 31400       |     | Fuel Line (Metal 3-3/8")                                                                                                             |
| 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.)                                                                                          |
| 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)                                                                                                           |
| 311   | 27625       |     | Plug, Oil filler (Incl. 312)                                                                                                         |
| 312   | 29673       |     | * Gasket, Oil filler                                                                                                                 |
| 325A  | 27275       |     | Clip, Hi-tension wire (Use as required)                                                                                              |
| 370   | 34346       |     | Decal, Instruction                                                                                                                   |

| Ref # | Part Number | Qty | Description                                                                                                                                                                                                                                                                      |
|-------|-------------|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 370A  | 550223      |     | Name & Instruction Decal                                                                                                                                                                                                                                                         |
| 370C  | 35344       |     | Decal, Speed control                                                                                                                                                                                                                                                             |
| 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   | 631452      |     | 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.



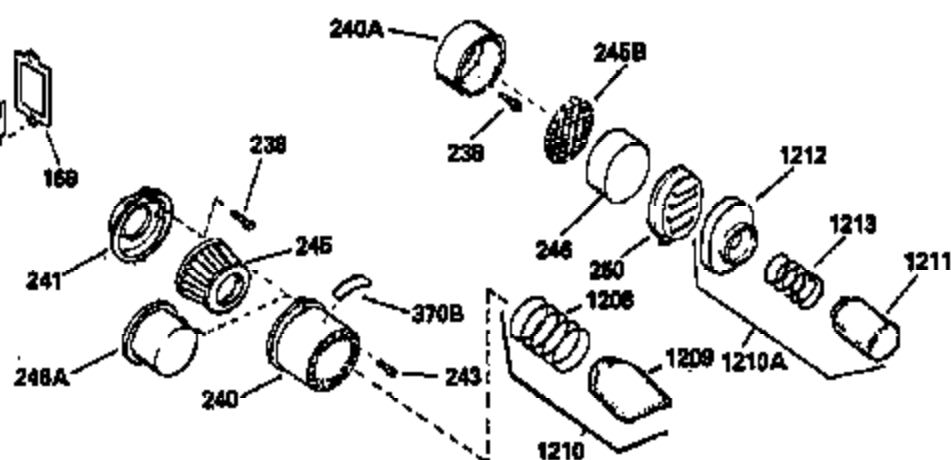
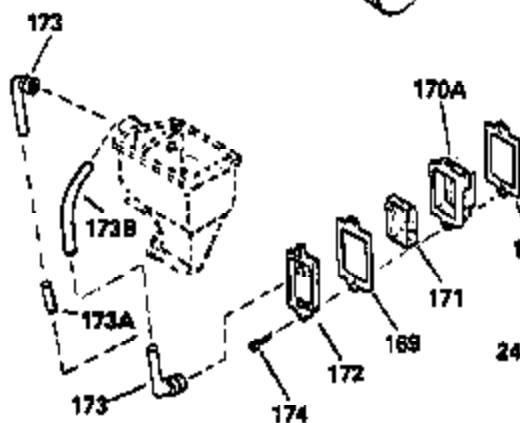
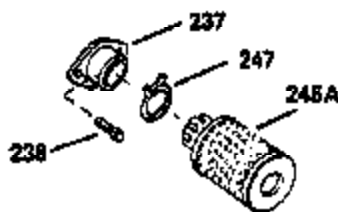
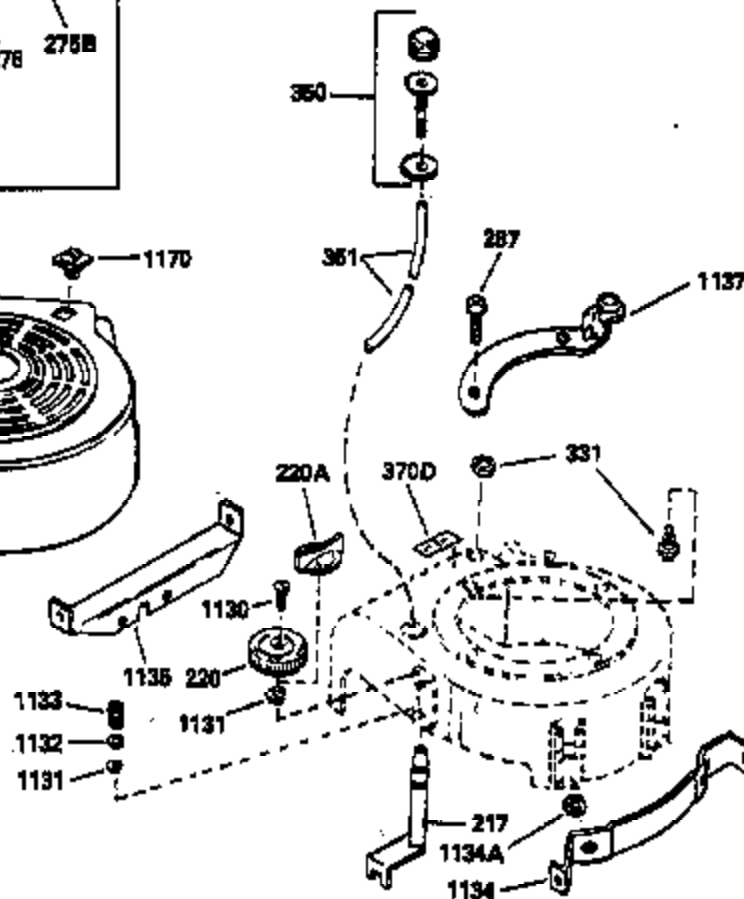
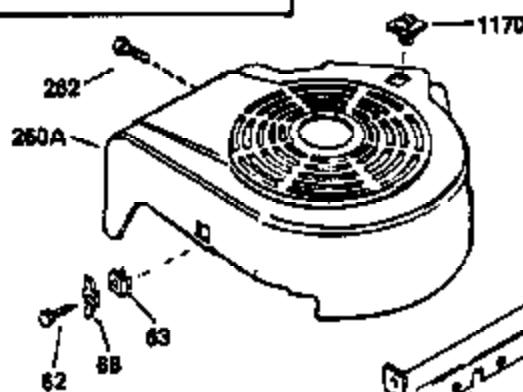
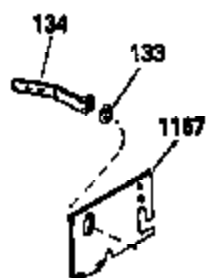
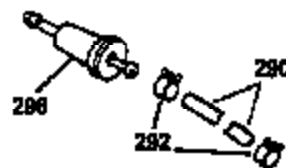
## Engine Parts List #2

| Ref # | Part Number | Qty | Description                                                                                                                                 |
|-------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------|
| 19    | 31386       |     | Spring, Governor                                                                                                                            |
| 53    | 31745       |     | Washer, Tang                                                                                                                                |
| 54    | 31787       |     | Washer, Flat                                                                                                                                |
| 55    | 31766       |     | PTO Shaft (Incl. 54)                                                                                                                        |
| 55B   | 31493       |     | Pin, P.T.O. shaft                                                                                                                           |
| 56    | 31746       |     | Gear, Worm                                                                                                                                  |
| 57    | 31749       |     | Ring, Retaining                                                                                                                             |
| 58    | 31744       |     | Seal, Oil                                                                                                                                   |
| 59    | 31747       |     | Washer, Flat                                                                                                                                |
| 87    | 650492      |     | Screw, 1/4-20 x 2-1/4"                                                                                                                      |
| 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.)                                                                                                  |
| 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.) |
| 370A  | 550223      |     | Name & Instruction Decal                                                                                                                    |
| 370   | 34346       |     | Decal, Instruction                                                                                                                          |
| 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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This diagram illustrates the assembly of the front suspension system, showing the following components and their assembly sequence:

- 366**: A small bolt or pin used to secure the upper control arm.
- 387**: A bracket or plate that connects the upper control arm to the frame.
- 275A**: The upper control arm, which is bolted to the bracket (387) and the frame.
- 275B**: The lower control arm, which is bolted to the frame and the lower control arm bracket (277).
- 275C**: The lower control arm bracket, which is bolted to the frame and the lower control arm (275B).
- 275D**: The upper control arm bracket, which is bolted to the frame and the upper control arm (275A).
- 274**: A bolt or pin used to secure the lower control arm bracket (275C) to the frame.
- 277**: A bolt or pin used to secure the lower control arm bracket (275C) to the frame.
- 277A**: A bolt or pin used to secure the lower control arm bracket (275C) to the frame.
- 277B**: A bolt or pin used to secure the lower control arm bracket (275C) to the frame.
- 278**: A bolt or pin used to secure the lower control arm bracket (275C) to the frame.
- 284**: A bolt or pin used to secure the lower control arm bracket (275C) to the frame.
- 284A**: A bolt or pin used to secure the lower control arm bracket (275C) to the frame.
- 414**: A bolt or pin used to secure the lower control arm bracket (275C) to the frame.
- 415**: A bolt or pin used to secure the lower control arm bracket (275C) to the frame.



| Ref # | Part Number | Qty | Description                                              |
|-------|-------------|-----|----------------------------------------------------------|
| 19    | 31386       |     | Spring, Governor                                         |
| 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)                        |
| 370B  | 31752       |     | Decal, Air cleaner                                       |
| 415   | 730162      |     | Muffler Adapter Kit (Incl. 274 & 277A ) (Inverted Ports) |