



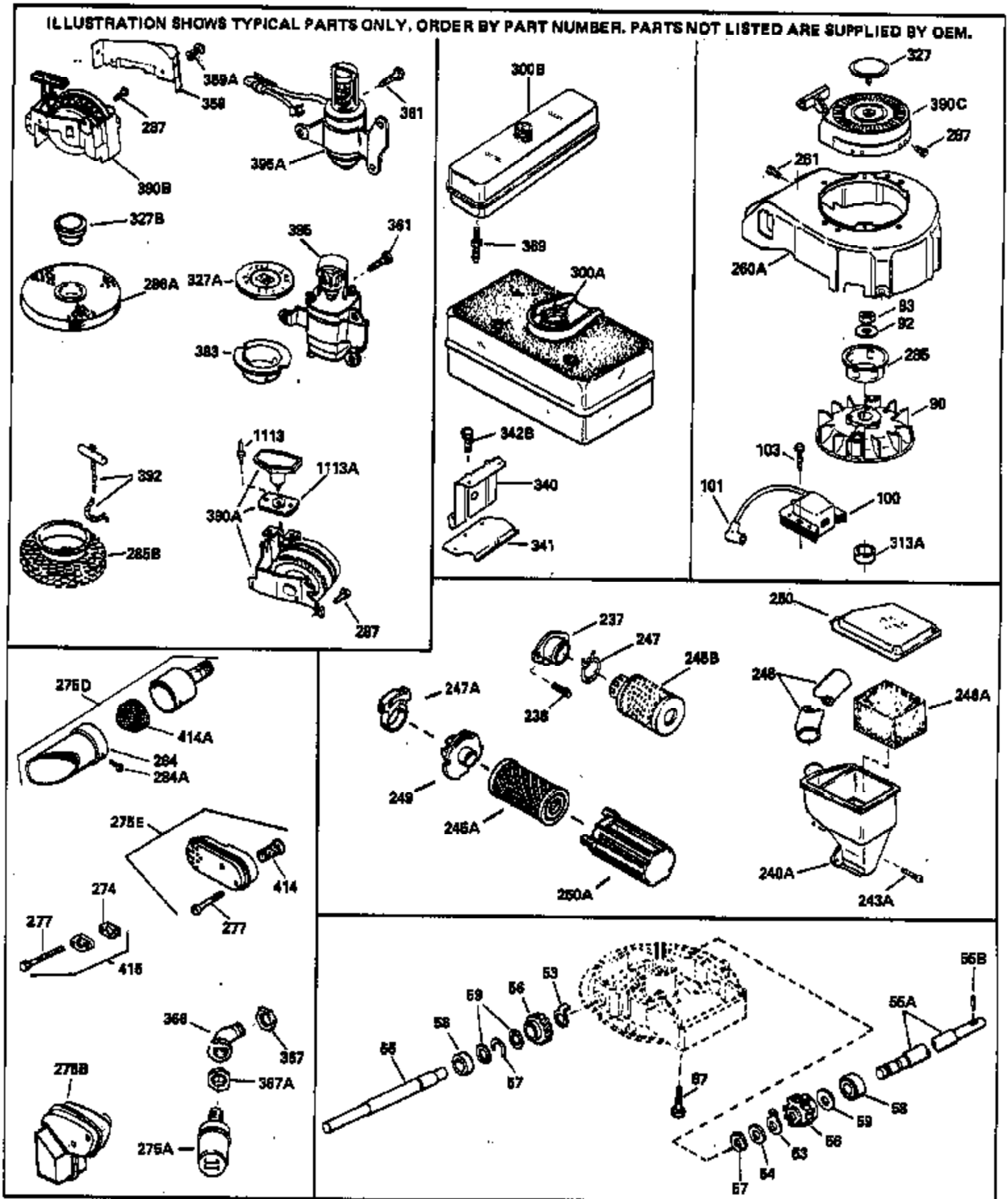
## Engine Parts List #1

| Ref # | Part Number | Qty | Description                                                                                                                                                                                                                    |
|-------|-------------|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1     | 33729A      |     | Cylinder (Incl. 2 & 20) (2-13/16" Bore)                                                                                                                                                                                        |
| 2     | 26727       |     | Pin, Dowel                                                                                                                                                                                                                     |
| 6     | 33734       |     | Element, Breather                                                                                                                                                                                                              |
| 7     | 34214A      |     | Breather Ass'y. (Incl. 6, 8, 9 & 12)                                                                                                                                                                                           |
| 8     | 33735       |     | * Gasket, Breather                                                                                                                                                                                                             |
| 9     | 30200       |     | Screw, 10-24 x 9/16"                                                                                                                                                                                                           |
| 12    | 33886       |     | Tube, Breather                                                                                                                                                                                                                 |
| 14    | 28277       |     | Washer, Flat                                                                                                                                                                                                                   |
| 15    | 30589       |     | Rod, Governor (Incl. 14)                                                                                                                                                                                                       |
| 16    | 32651       |     | Lever, Governor                                                                                                                                                                                                                |
| 17    | 31335       |     | Clamp, Governor (Clamp is positioned toward spark plug end on 1977-78 and later models. It is positioned opposite spark plug end on earlier models.)                                                                           |
| 18    | 650548      |     | Screw, 8-32 x 5/16"                                                                                                                                                                                                            |
| 19    | 31386       |     | Spring, Governor                                                                                                                                                                                                               |
| 20    | 32600       |     | Seal, Oil                                                                                                                                                                                                                      |
| 30    | 33838       |     | Crankshaft Ass'y.                                                                                                                                                                                                              |
| 32    | 32323       |     | Washer, Thrust NOTE: This thrust washer may not be required if a new crankshaft has been installed. Check the proper Mechanic's Handbook for acceptable end play. Use this .010" thrust washer if excess end play is measured. |
| 40    | 34535       |     | Piston, Pin & Ring Set (Std.) (2-13/16")                                                                                                                                                                                       |
| 40    | 34536       |     | Piston, Pin & Ring Set (.010" OS)                                                                                                                                                                                              |
| 40    | 34537       |     | Piston, Pin & Ring Set (.020" OS)                                                                                                                                                                                              |
| 41    | 33562B      |     | Piston & Pin Ass'y. (Std.) (Incl. 43) (2-13/16")                                                                                                                                                                               |
| 41    | 33563B      |     | Piston & Pin Ass'y. (.010" OS) (Incl. 43)                                                                                                                                                                                      |
| 41    | 33564B      |     | Piston & Pin Ass'y. (.020" OS) (Incl. 43)                                                                                                                                                                                      |
| 42    | 33567       |     | Ring Set (Std.) (2-13/16" Bore)                                                                                                                                                                                                |
| 42    | 33568       |     | Ring Set (.010" OS)                                                                                                                                                                                                            |
| 42    | 33569       |     | 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 No. 32610A locking type bolt.)                                                                                                                                                                    |
| 46    | 32610       |     | Bolt, Connecting rod (Early Production)                                                                                                                                                                                        |
| 46    | 32610A      |     | Bolt, Connecting rod                                                                                                                                                                                                           |
| 48    | 27241       |     | Lifter, Valve                                                                                                                                                                                                                  |
| 50    | 33154       |     | Camshaft                                                                                                                                                                                                                       |
| 52    | 29914       |     | Pump Assy., Oil                                                                                                                                                                                                                |
| 69    | 35261       |     | * Gasket, Mounting flange                                                                                                                                                                                                      |
| 70    | 32612A      |     | Flange Ass'y. (Incl. 72, 75 & 80)                                                                                                                                                                                              |
| 72    | 30572       |     | Plug, Oil drain (Incl. 73)                                                                                                                                                                                                     |
| 72A   | 9556        |     | Plug, Pipe                                                                                                                                                                                                                     |
| 73    | 28833       |     | * Drain Plug Gasket (Not used 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                                                                                                                                                                                                                  |
| 103A  | 650489      |     | Screw, 1/4-20 x 5/8"                                                                                                                                                                                                           |
| 110   | 34231       |     | Wire, Ground                                                                                                                                                                                                                   |
| 119   | 33554A      |     | * Gasket, Cylinder head                                                                                                                                                                                                        |
| 120   | 33016A      |     | Head, Cylinder (Incl. 131)                                                                                                                                                                                                     |

| Ref # | Part Number | Qty | Description                                                                                                                                 |
|-------|-------------|-----|---------------------------------------------------------------------------------------------------------------------------------------------|
| 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, Flat (Not used on late production)                                                                                                  |
| 127   | 650691      |     | Washer, Flat (Use as required)                                                                                                              |
| 130   | 650818      |     | Screw, 5/16-18 x 1-1/2" (Use as required)                                                                                                   |
| 130   | 6021A       |     | Screw, 5/16-18 x 1-1/2" (Use as required)                                                                                                   |
| 131   | 650694A     |     | Screw, 5/16-18 x 2" (Use as required)                                                                                                       |
| 135   | 33636       |     | Plug, Spark (J-8C)                                                                                                                          |
| 149   | 31671       |     | Upper Cap (Int. & Ex.)(Early Production)                                                                                                    |
| 149A  | 33678       |     | Cap, Upper valve spring (Exhaust)                                                                                                           |
| 150   | 31672       |     | Spring, Valve                                                                                                                               |
| 151   | 31673       |     | Cap, Lower valve spring                                                                                                                     |
| 169   | 27234A      |     | * Gasket, Valve spring cover                                                                                                                |
| 170   | 32755       |     | Cover, Valve spring box                                                                                                                     |
| 174   | 650128      |     | Screw, 10-24 x 1/2"                                                                                                                         |
| 178   | 29752       |     | Nut & Lockwasher Assy.                                                                                                                      |
| 179   | 30593       |     | Clip, Magneto wire                                                                                                                          |
| 182   | 30088A      |     | Screw, 1/4-28 x 1"                                                                                                                          |
| 185   | 33739       |     | Pipe, Intake                                                                                                                                |
| 186   | 32653       |     | Link, Governor spring                                                                                                                       |
| 200   | 32264A      |     | Speed Control (Incl. 203, 204 thru 206)                                                                                                     |
| 203   | 31342       |     | Spring, Compression                                                                                                                         |
| 204   | 650549      |     | Screw, 5-40 x 7/16"                                                                                                                         |
| 206   | 610973      |     | Terminal Assy. (Use as required)                                                                                                            |
| 207   | 33133       |     | Link, Throttle                                                                                                                              |
| 209   | 30200       |     | Screw, 10-24 x 9/16"                                                                                                                        |
| 223   | 650142      |     | Screw, 1/4-20 x 1-1/8"                                                                                                                      |
| 224   | 33751A      |     | * Gasket, Intake                                                                                                                            |
| 238   | 28820       |     | Screw, 10-32 x 1/2"                                                                                                                         |
| 239   | 27272A      |     | * Gasket, Air cleaner                                                                                                                       |
| 240   | 31715       |     | Body, Air cleaner                                                                                                                           |
| 241   | 31691       |     | Bracket, Air cleaner                                                                                                                        |
| 243   | 650152      |     | Screw, 8-32 x 3/8"                                                                                                                          |
| 244   | 730164      |     | Cleaner Kit (Incl. 238 thru 245 & 370 B) (Use as required)                                                                                  |
| 245   | 30727       |     | Element, Air cleaner                                                                                                                        |
| 260   | 33738D      |     | 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 (Use as required)                                                                                                         |
| 277   | 30063       |     | Screw, 1/4-20 x 1/2" (Use as required)                                                                                                      |
| 285   | 33667       |     | Cup, Starter                                                                                                                                |
| 286   | 33668       |     | Screen, Starter cup                                                                                                                         |
| 287B  | 29752       |     | Nut & Lockwasher 1/4-28 (Use as required)                                                                                                   |
| 290   | 29774       |     | Fuel Line (Braided 8-1/4") (21 cm)                                                                                                          |
| 290   | 30705       |     | Fuel Line (Braided 16") (40 cm)                                                                                                             |
| 291   | 33754       |     | Line, Fuel (Metal 3.360")                                                                                                                   |
| 292   | 26460       |     | Clamp, Fuel line                                                                                                                            |
| 300   | 32671       |     | Tank Assy., Fuel (Incl. 292 & 301)                                                                                                          |
| 301   | 410144B     |     | Cap, Fuel (Standard) (Use as required)                                                                                                      |
| 301   | 33032       |     | Cap, Fuel (Use as required)                                                                                                                 |
| 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.) |
| 311   | 27625       |     | Plug, Oil filler (Incl. 312)                                                                                                                |

## Engine Parts List #1

| Ref # | Part Number | Qty | Description                                                                                                                                                                                                                                                           |
|-------|-------------|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 312   | 29673       |     | * Gasket, Filler plug                                                                                                                                                                                                                                                 |
| 313   | 33876       |     | Gasket, Stator                                                                                                                                                                                                                                                        |
| 325   | 27275       |     | Clip, Wire retaining                                                                                                                                                                                                                                                  |
| 325   | 33685       |     | Clip, Wire retaining (Early Production)                                                                                                                                                                                                                               |
| 370C  | 35344       |     | Decal, Speed control                                                                                                                                                                                                                                                  |
| 370B  | 31752       |     | Decal, Air cleaner                                                                                                                                                                                                                                                    |
| 370   | 34346       |     | Decal, Instruction                                                                                                                                                                                                                                                    |
| 370A  | 550223      |     | Decal, Name                                                                                                                                                                                                                                                           |
| 375   | 610942A     |     | Magneto NOTE: The complete magneto is not available as an assembly. The magneto number is shown for reference purposes only. Order component parts individually, as shown in parts list. (Refer to Division 5, Section B, page 35 or Fiche 6 Grid F-13 for breakdown) |
| 377   | 30547A      |     | Contact Assy., Breaker                                                                                                                                                                                                                                                |
| 378   | 30548B      |     | Condenser                                                                                                                                                                                                                                                             |
| 379   | 631021      |     | Inlet Needle, Seat & Clip Assy.                                                                                                                                                                                                                                       |
| 380   | 631716      |     | Carburetor (Incl. 184) (Refer to Division 5, Section A, page 122 or Fiche 6 Grid E-7 for breakdown)                                                                                                                                                                   |
| 390   | 590420      |     | Starter, Rewind 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   | 33740D      |     | * Gasket Set (Incl. items marked *)                                                                                                                                                                                                                                   |
| 420   | 730225      |     | SAE 30, 4-Cycle Engine Oil (Quart)                                                                                                                                                                                                                                    |



## Engine Parts List #2

| Ref # | Part Number | Qty | Description                                                                                                                                                 |
|-------|-------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 92    | 650815      |     | Washer, Belleville                                                                                                                                          |
| 93    | 650607      |     | Nut, Flywheel                                                                                                                                               |
| 101   | 610118      |     | Cover, Spark plug                                                                                                                                           |
| 238   | 28820       |     | Screw, 10-32 x 1/2"                                                                                                                                         |
| 261   | 650561      |     | Screw, 1/4-20 x 5/8"                                                                                                                                        |
| 274   | 26754A      |     | * Gasket, Exhaust (Use as required)                                                                                                                         |
| 275A  | 31287       |     | Muffler                                                                                                                                                     |
| 275D  | 391026      |     | Muffler (Incl. 284, 284A & 414A) (This spark arrester muffler can be used on any model with a 3/4-14 tapped exhaust port.)                                  |
| 277   | 30063       |     | Screw, 1/4-20 x 1/2" (Use as required )                                                                                                                     |
| 284A  | 650578      |     | Screw, 8-18 x 3/8" (Use as required)                                                                                                                        |
| 284   | 33700       |     | Cover & Tube, Muffler (Use as required)                                                                                                                     |
| 285   | 33667       |     | Cup, Starter                                                                                                                                                |
| 287   |             |     | Pop Rivet(Purchase locally)(Use as required)                                                                                                                |
| 366   | 30209       |     | Elbow, Street                                                                                                                                               |
| 367A  | 28443       |     | Nut, Conduit                                                                                                                                                |
| 367   | 32862       |     | Nut, Conduit                                                                                                                                                |
| 414A  | 33323       |     | Screen, Muffler (Use as required)                                                                                                                           |
| 415   | 730162      |     | Muffler Adapter Kit (Incl. 121 & 128) (Conventional Ports)                                                                                                  |
| 415   | 730165      |     | Muffler Adapter Kit (Incl. 274 & 277) NOTE: This muffler adapter can be used only on models which have exhaust port on top (above intake). (Inverted Ports) |
| 1113  |             |     | Rivet, Open end (Can be purchased locally)                                                                                                                  |