



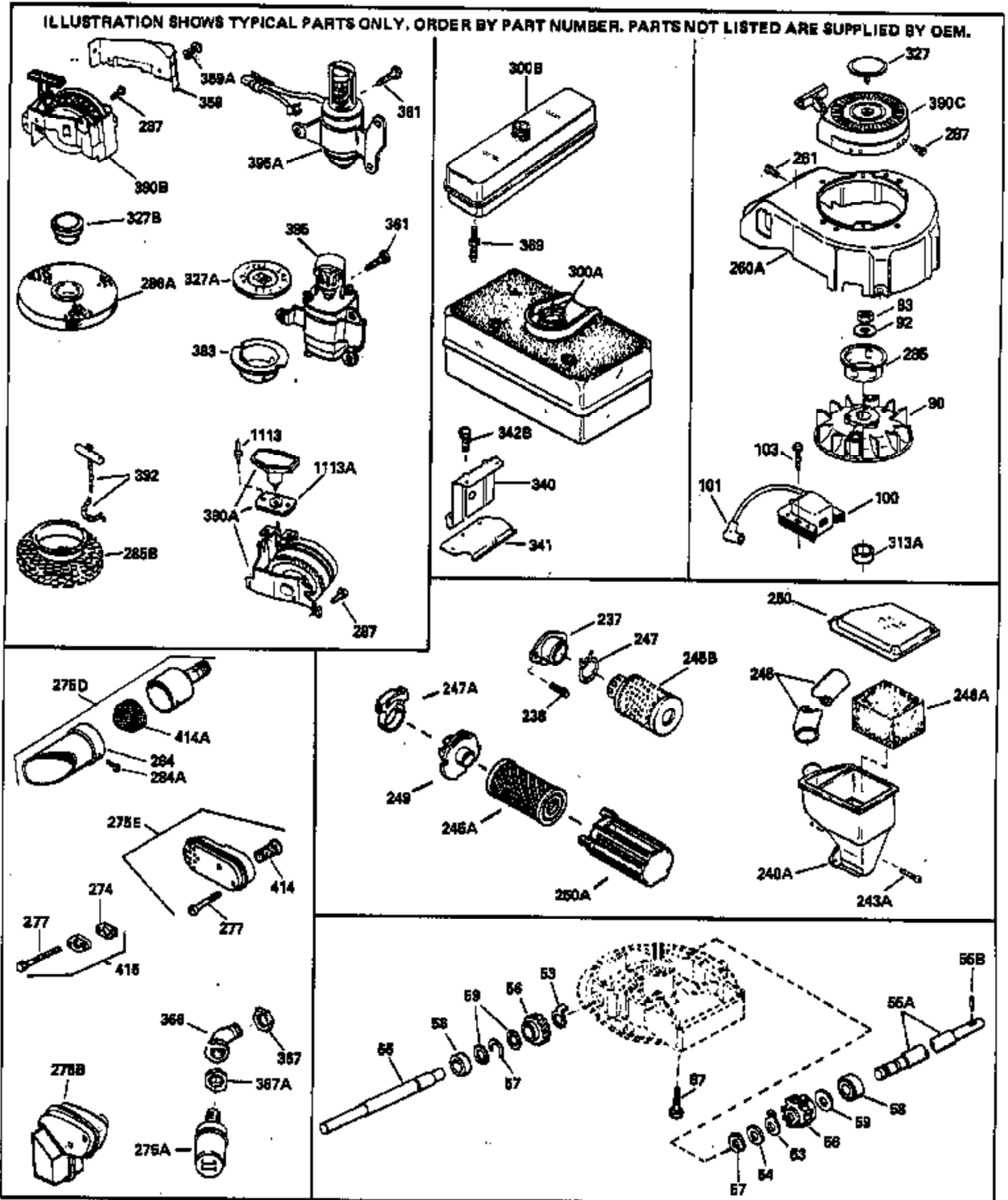
## Engine Parts List #1

| Ref # | Part Number | Qty | Description  |
|-------|-------------|-----|--|
| 1     | 33729A      |     | Cylinder (Incl. 2 & 20) (2-13/16" Bor e)   |
| 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 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    | 33730A      |     | Crankshaft Ass'y.  |
| 32    | 32323       |     | Washer, Thrust NOTE: This thrust washer maynot be required if a new crankshafthas 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.) (2-13/1 6")  |
| 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)   |
| 46    | 32610       |     | Bolt, Connecting rod (Early Productio n)   |
| 46    | 32610A      |     | Bolt, Connecting rod   |
| 46A   | 32609       |     | Plate, Lock (Do not use with No. 32610A locking type bolt.)  |
| 48    | 27241       |     | Lifter, Valve  |
| 50    | 33154       |     | Camshaft   |
| 52    | 29914       |     | Pump Assy., Oil  |
| 69    | 35261       |     | * Gasket, Mounting flange  |
| 70    | 32696B      |     | Flange Ass'y. (Incl. 72, 72A, 75, 80, 306)   |
| 72A   | 9556        |     | Plug, Pipe   |
| 72    | 30572       |     | Plug, Oil drain (Incl. 73)   |
| 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   | 35232       |     | Wire, Ground   |
| 119   | 33554A      |     | * Gasket, Cylinder head  |
| 120   | 33016A      |     | Head, Cylinder (Incl. 131)   |

## Engine Parts List #1

| 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  |
| 167   | 32924       |     | Spring, Compression  |
| 168   | 650688      |     | Screw, 10-32 x 1"  |
| 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.   |
| 182   | 6201        |     | Screw, 1/4-28 x 7/8"   |
| 185   | 33739       |     | Pipe, Intake   |
| 186   | 33151       |     | Link, Governor spring  |
| 200   | 33155A      |     | Control Assy., Speed (Incl. 206)   |
| 201   | 33150       |     | Bracket, Control   |
| 206   | 610973      |     | Terminal Assy. (Use as required)   |
| 207   | 33133       |     | Link, Throttle   |
| 209   | 30200       |     | Screw, 10-24 x 9/16"   |
| 210   | 27793       |     | Clip, Conduit  |
| 211   | 28942       |     | Screw, 10-32 x 3/8"  |
| 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)  |
| 274   | 33670A      |     | * Gasket, Exhaust  |
| 275   | 35771       |     | Muffler (Incl. 274)  |
| 277   | 30063       |     | Screw, 1/4-20 x 1/2" (Use as required)   |
| 277   | 650774      |     | Screw, 1/4-20 x 2-3/8"   |
| 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)  |
| 305   | 33784       |     | Tube Assy., Oil filler (Metal)   |

| Ref # | Part Number | Qty | Description   |
|-------|-------------|-----|---|
| 306   | 30139       |     | "O" Ring  |
| 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.)   |
| 307   | 29985       |     | "O" Ring  |
| 309   | 650562      |     | Screw, 10-32 x 1/2"   |
| 310   | 33760       |     | Dipstick, Oil (Incl. 307) (Screw In)  |
| 325   | 27275       |     | Clip, Wire retaining  |
| 325   | 33685       |     | Clip, Wire retaining (Early Productio n)  |
| 370   | 34346       |     | Decal, Instruction  |
| 370B  | 31752       |     | Decal, Air cleaner  |
| 375   | 610881      |     | Magneto (w/ring gear) 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 30 or Fiche 6, Grid F-12for 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)   |
| 392   | 590343      |     | Rope & Handle Assy.   |
| 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)   |
|       | 274 33670A  |     | * Gasket, Exhaust   |
|       | 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 )   |
|       | 277 650774  |     | Screw, 1/4-20 x 2-3/8"  |
|       | 284A 650578 |     | Screw, 8-18 x 3/8" (Use as required)  |
|       | 284 33700   |     | Cover & Tube, Muffler (Use as required)   |
|       | 285B 34788  |     | Hub & Screen Assy., Starter   |
|       | 287         |     | Pop Rivet(Purchase locally)(Use as required)  |
|       | 392 590343  |     | Rope & Handle Assy.   |
|       | 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)  |