



| Ref # | Part Number | Qty | Description                                 |
|-------|-------------|-----|---------------------------------------------|
| 1     | 34137       | 0   | Cylinder Assy.                              |
| 2     | 27652       | 0   | Pin, Dowel                                  |
| 3     | 32630       | 0   | Seal, Oil                                   |
| 4     | 27642       | 0   | Plug, Drain                                 |
| 5A    | 30699C      | 0   | Rod Assy., Governor                         |
| 5     | 30699B      | 0   | Rod Assy., Governor                         |
| 6     | 30700       | 0   | Yoke, Governor                              |
| 7     | 650494      | 0   | Screw                                       |
| 8     | 29642       | 0   | Ring, Retaining                             |
| 9     | 29916       | 0   | Clamp, Governor lever                       |
| 10    | 29826       | 0   | Screw                                       |
| 11    | 29216       | 0   | Nut                                         |
| 12    | 650548      | 0   | Screw, Hex washer hd., 8-32 x 5/16          |
| 13    | 33454       | 0   | Lever, Governor                             |
| 14    | 29918       | 0   | Lockwasher                                  |
| 15    | 30322       | 0   | Nut & Lockwasher                            |
| 16    | 29536       | 0   | Baffle, Blower housing                      |
| 17    | 650561      | 0   | Screw                                       |
| 18A   | 29443       | 0   | Clip, Fuel line                             |
| 18    | 27275       | 0   | Clip, Hi-tension wire                       |
| 19    | 33365B      | 0   | Crankshaft Assy.                            |
| 20    | 29783       | 0   | Pin, Crankshaft gear                        |
| 21    | 33245       | 0   | Gear, Crankshaft                            |
| 22    | 34540       | 0   | Piston, Pin & Ring Assy. (Std.) (3-1/16")   |
| 22    | 34541       | 0   | Piston, Pin & Ring Assy. (.010 oversize)    |
| 22    | 34542       | 0   | Piston, Pin & Ring Assy. (.020 oversize)    |
| 22A   | 33869B      | 0   | Piston & Pin Assy. (Std.) (3-1/16")         |
| 22A   | 33870B      | 0   | Piston & Pin Assy. (.010 oversize)          |
| 22A   | 33871B      | 0   | Piston & Pin Assy. (.020 oversize)          |
| 23    | 27888       | 0   | Ring, Piston pin retaining                  |
| 24    | 33873       | 0   | Ring Set, Piston (Standard) (3-1/16")       |
| 24    | 33874       | 0   | Ring Set, Piston (.010 oversize)            |
| 24    | 33875       | 0   | Ring Set, Piston (.020 oversize)            |
| 25    | 32591C      | 0   | Rod Assy., Connecting                       |
| 26    | 650662B     | 0   | Bolt, Connecting rod                        |
| 27    | 34242       | 0   | Dipper, Oil                                 |
| 27A   | 32590       | 0   | Plate, Lock & Oil dipper                    |
| 28    | 34034       | 0   | Lifter, Valve                               |
| 29    | 34143       | 0   | Camshaft (Mechanical Compression Release)   |
| 30    | 33253       | 0   | Gasket, Mounting flange                     |
| 31    | 33367A      | 0   | Cover, Cylinder                             |
| 32    | 33368       | 0   | Bushing, Crankshaft                         |
| 33    | 31950       | 0   | Seal, Oil                                   |
| 34    | 31845       | 0   | Shaft, Mechanical governor                  |
| 35    | 30588A      | 0   | Spool, Governor                             |
| 36    | 29193       | 0   | Ring, Retaining                             |
| 37    | 30591       | 0   | Gear Assy., Governor                        |
| 38    | 33369       | 0   | Bracket, Governor gear                      |
| 39    | 650836      | 0   | Screw, Hex washer hd. thread forming, 10-24 |
| 40    | 30590A      | 0   | Washer, Flat                                |
| 41    | 650488      | 0   | Screw                                       |
| 42    | 650493      | 0   | Screw, Hex hd. Sems, 1/4-20 x 1-3/4         |
| 43    | 34035       | 0   | Valve, Intake (Standard)                    |
| 43    | 34036       | 0   | Valve, Intake (1/32" oversize)              |
| 44    | 27878A      | 0   | Valve, Intake (Standard)                    |
| 44    | 27880A      | 0   | Valve, Intake (1/32" oversize)              |
| 45    | 27882       | 0   | Cap, Upper valve spring                     |
| 46    | 27881       | 0   | Spring, Valve                               |

| Ref # | Part Number | Qty | Description                                 |
|-------|-------------|-----|---------------------------------------------|
| 47    | 32581       | 0   | Cap, Lower valve spring                     |
| 48    | 650489      | 0   | Screw                                       |
| 50    | 32589       | 0   | Key, Flywheel                               |
| 53A   | 33662       | 0   | Hub & Screen Assy., Starter                 |
| 54A   | 650815      | 0   | Washer, Belleville                          |
| 55    | 8116        | 0   | Nut                                         |
| 56    | 34030       | 0   | Head, Cylinder                              |
| 57    | 33270       | 0   | Gasket, Cylinder head                       |
| 58    | 6021A       | 0   | Screw, Hex flange hd., 5/16-18 x 1-1/2      |
| 58    | 650692      | 0   | Screw, Hex hd., 5/16-18 x 1-3/4             |
| 58    | 650711      | 0   | Screw, Hex hd., 5/16-18 x 1-5/8             |
| 58    | 650737      | 0   | Screw, Hex washer hd. taptite, 1/4-20 x 1/2 |
| 59    | 650727      | 0   | Screw, Special hex hd. tapped, 5/16-18 x    |
| 60    | 650691      | 0   | Washer, Flat                                |
| 61    | 33272       | 0   | Cover, Cylinder head                        |
| 62    | 26073       | 0   | Washer, Connecting rod bolt                 |
| 62    | 650570      | 0   | Washer, Flat                                |
| 63    | 650713      | 0   | Screw, Hex hd., 5/16-18 x 5/8               |
| 63    | 792028      | 0   | Screw, Hex hd. Sems, 5/16-18 x 7/8          |
| 65    | 33636       | 0   | Plug, Spark (Champion J-8 or equivalent)    |
| 65    | 34251       | 0   | Resistor Spark Plug                         |
| 66    | 28423       | 0   | Body, Breather                              |
| 67    | 28424       | 0   | Element, Breather                           |
| 68    | 27896       | 0   | Gasket, Breather cover                      |
| 69    | 28425       | 0   | Cover, Valve chamber                        |
| 70    | 27627       | 0   | Tube, Breather                              |
| 71    | 650128      | 0   | Screw                                       |
| 72    | 27915       | 0   | Gasket, Intake pipe                         |
| 73    | 33877       | 0   | Pipe, Intake                                |
| 74    | 33861       | 0   | Gasket, Carburetor                          |
| 75    | 650378      | 0   | Screw                                       |
| 76    | 30088A      | 0   | Screw, Phil. fil. hd. Sems, 1/4-28 x 1      |
| 77    | 29752       | 0   | Nut                                         |
| 82    | 26073       | 0   | Washer, Connecting rod bolt                 |
| 82    | 650570      | 0   | Washer, Flat                                |
| 83    | 650273      | 0   | Screw                                       |
| 83    | 650713      | 0   | Screw, Hex hd., 5/16-18 x 5/8               |
| 83    | 650788      | 0   | Screw, Hex hd. spin-lock thr'd forming,     |
| 83    | 792028      | 0   | Screw, Hex hd. Sems, 5/16-18 x 7/8          |
| 86    | 33878       | 0   | Link, Governor lever-to-throttle            |
| 89    | 33375B      | 0   | Housing, Blower (6.375 dia. starter mtg.    |
| 90    | 29747A      | 0   | Screw                                       |
| 108F  | 34155       | 0   | Bracket, Lower fuel tank mtg.               |
| 109   | 34154       | 0   | Plate, Upper fuel tank mtg.                 |
| 112   | 650561      | 0   | Screw                                       |
| 113   | 33273       | 0   | Extension, Blower housing                   |
| 114   | 650128      | 0   | Screw                                       |
| 115   | 29752       | 0   | Nut                                         |
| 124   | 34156       | 0   | Tank Assy., Fuel (1 gal) (Charcoal Poly)    |
| 125   | 33032       | 0   | Cap, Fuel filler (Red Plastic) (Spurt       |
| 125   | 34210       | 0   | Cap, Fuel filler (Red Plastic) (Spurt       |
| 125   | 410144B     | 0   | Cap, Fuel filler (White Plastic) (Std.)     |
| 126   | 29774       | 0   | Line, Fuel (Braided 8.25")                  |
| 126   | 30705       | 0   | Line, Fuel (Braided 16")                    |
| 126   | 30962       | 0   | Line, Fuel (Braided 32")                    |
| 127   | 26460       | 0   | Clamp, Fuel line                            |
| 157   | 33876       | 0   | Gasket, Stator                              |
| 160   | 33013       | 0   | Cover, Starter bubble                       |

## Engine Parts List #1

| Ref # | Part Number | Qty | Description                     |
|-------|-------------|-----|---------------------------------|
| 161   | 650760      | 0   | Screw                           |
| 199   | 33756A      | 0   | Muffler                         |
| 200   | 650729      | 0   | Screw                           |
| 201   | 31588       | 0   | Plate, Muffler locking          |
| 222   | 31297       | 0   | Dipstick, Oil                   |
| 224   | 29673       | 0   | Gasket, Filler plug             |
| 247   | 34374       | 0   | Decal, Instruction              |
| 248   | 30547A      | 0   | Contact Assy., Breaker          |
| 249   | 30548B      | 0   | Condenser                       |
| 250A  | 631021      | 0   | Inlet Needle, Seat & Clip Assy. |
| 251   | 631783      | 0   | Carburetor                      |
| 252   | 610842      | 0   | Magneto, Tecumseh               |
| 253   | 590479      | 0   | Starter, Rewind                 |
| 257   | 33279C      | 0   | Gasket Set                      |



| Ref # | Part Number | Qty | Description                                 |
|-------|-------------|-----|---------------------------------------------|
| 64    | 650737      | 0   | Screw, Hex washer hd. taptite, 1/4-20 x 1/2 |
| 75    | 650378      | 0   | Screw                                       |
| 91    | 27793       | 0   | Clip, Conduit                               |
| 92A   | 33578       | 0   | Spring Governor Spec. No. 40933K            |
| 93    | 30201A      | 0   | Lever, Speed control                        |
| 94    | 30712       | 0   | Lever, Bellcrank                            |
| 95A   | 650399      | 0   | Screw, Phil. fil. hd. Sems, 10-32 x 5/8     |
| 96    | 30199A      | 0   | Bracket, Speed control                      |
| 97    | 29530       | 0   | Bushing, Lever                              |
| 98    | 32924       | 0   | Spring, Compression                         |
| 99    | 650688      | 0   | Screw, Hex hd., 10-32 x 1-5/16" (Drilled    |
| 100   | 30312       | 0   | Screw, Hex washer hd. Sems, 10-32 x 1/2     |
| 101   | 33450       | 0   | Nut, Lock                                   |
| 102   | 33372       | 0   | Link, Governor lever-to-bellcrank           |
| 103   | 28562       | 0   | Bushing, Lever                              |
| 104   | 730152      | 0   | Control Assy., Speed                        |
| 126   | 29774       | 0   | Line, Fuel (Braided 8.25")                  |
| 126   | 30705       | 0   | Line, Fuel (Braided 16")                    |
| 126   | 30962       | 0   | Line, Fuel (Braided 32")                    |
| 167   | 30747       | 0   | Clip, Shorting                              |
| 168   | 16645       | 0   | Lockwasher                                  |
| 255   | 33329       | 0   | Starter Motor Kit (110-120 Volt)            |
| 255   | 33329A      | 0   | Starter Motor Kit (110-120 Volt)            |
| 255   | 33329B      | 0   | Starter Motor Kit (110-120 Volt)            |
| 255   | 33519       | 0   | Starter Motor Kit (110-120 Volt)            |
| 255   | 33519A      | 0   | Starter Motor Kit (110-120 Volt)            |
| 255   | 33519B      | 0   | Starter Motor Kit (110-120 Volt)            |
| 256   | 610847      | 0   | Flywheel                                    |



| Ref # | Part Number | Qty | Description                             |
|-------|-------------|-----|-----------------------------------------|
| 62    | 26073       | 0   | Washer, Connecting rod bolt             |
| 62    | 650570      | 0   | Washer, Flat                            |
| 63    | 650713      | 0   | Screw, Hex hd., 5/16-18 x 5/8           |
| 63    | 792028      | 0   | Screw, Hex hd. Sems, 5/16-18 x 7/8      |
| 82    | 26073       | 0   | Washer, Connecting rod bolt             |
| 82    | 650570      | 0   | Washer, Flat                            |
| 83    | 650273      | 0   | Screw                                   |
| 83    | 650713      | 0   | Screw, Hex hd., 5/16-18 x 5/8           |
| 83    | 650788      | 0   | Screw, Hex hd. spin-lock thr'd forming, |
| 83    | 792028      | 0   | Screw, Hex hd. Sems, 5/16-18 x 7/8      |
| 110A  | 650665      | 0   | Screw                                   |
| 112   | 650561      | 0   | Screw                                   |
| 127   | 26460       | 0   | Clamp, Fuel line                        |
| 128   | 28819       | 0   | Spring, Fuel line                       |
| 144A  | 28820       | 0   | Screw                                   |
| 145   | 27272       | 0   | Gasket, Air cleaner                     |
| 146   | 33268       | 0   | Element, Air cleaner                    |
| 147   | 33269A      | 0   | Cover, Air cleaner                      |
| 148   | 33267       | 0   | Bracket, Air cleaner                    |
| 148A  | 33266       | 0   | Bracket, Air cleaner                    |
| 149   | 650513      | 0   | Nut, Wing                               |
| 185   | 730127      | 0   | Cleaner Assy., Air (Poly)               |
| 185   | 730164      | 0   | Cleaner Assy., Air (Paper)              |
| 199C  | 391026      | 0   | Muffler                                 |
| 200   | 650729      | 0   | Screw                                   |
| 202   | 30209       | 0   | Elbow, Exhaust (45°)                    |
| 204   | 730130      | 0   | Muffler Adapter Kit                     |
| 247B  | 31752       | 0   | Decal, Air cleaner                      |