



## Engine Parts List #1

| Ref # | Part Number | Qty | Description                               |
|-------|-------------|-----|---|
| 1     | 33866A      | 0   | Cylinder Assy. (Cast iron liner) (3-1/16" |
| 2     | 27652       | 0   | Pin, Dowel                                |
| 3     | 32590       | 0   | Plate, Lock & Oil dipper                  |
| 4     | 32630       | 0   | Seal, Oil                                 |
| 5     | 33242       | 0   | Valve, Intake (Standard)                  |
| 5     | 33243       | 0   | Valve, Intake (1/32" oversize)            |
| 6     | 27878A      | 0   | Valve, Intake (Standard)                  |
| 6     | 27880A      | 0   | Valve, Intake (1/32" oversize)            |
| 7A    | 27882       | 0   | Cap, Upper valve spring                   |
| 7     | 27882       | 0   | Cap, Upper valve spring                   |
| 8     | 27881       | 0   | Spring, Valve                             |
| 9     | 32581       | 0   | Cap, Lower valve spring                   |
| 10    | 650662B     | 0   | Bolt, Connecting rod                      |
| 11    | 33644A      | 0   | Crankshaft Assy.                          |
| 12    | 29783       | 0   | Pin, Crankshaft gear                      |
| 13    | 33245       | 0   | Gear, Crankshaft                          |
| 14A   | 33869B      | 0   | Piston & Pin Assy. (Std.) (3-1/16")       |
| 14A   | 33870B      | 0   | Piston & Pin Assy. (.010 oversize)        |
| 14A   | 33871B      | 0   | Piston & Pin Assy. (.020 oversize)        |
| 15    | 33873       | 0   | Ring Set, Piston (Standard) (3-1/16")     |
| 15    | 33874       | 0   | Ring Set, Piston (.010 oversize)          |
| 15    | 33875       | 0   | Ring Set, Piston (.020 oversize)          |
| 16    | 27888       | 0   | Ring, Piston pin retaining                |
| 17    | 32591C      | 0   | Rod Assy., Connecting                     |
| 18    | 32589       | 0   | Key, Flywheel                             |
| 19A   | 29443       | 0   | Clip, Fuel line                           |
| 19    | 27275       | 0   | Clip, Hi-tension wire                     |
| 20A   | 33581       | 0   | Screen, Oil filter                        |
| 21    | 34034       | 0   | Lifter, Valve                             |
| 22    | 33579       | 0   | Camshaft (Compression Release)            |
| 23    | 33253       | 0   | Gasket, Mounting flange                   |
| 24    | 33580       | 0   | Flange, Mounting                          |
| 25    | 29117       | 0   | Screw                                     |
| 26    | 31356       | 0   | Pump Assy., Oil                           |
| 27    | 31950       | 0   | Seal, Oil                                 |
| 28    | 31927       | 0   | Plug, Oil drain (3/8-18 sq. hd.)          |
| 29    | 650488      | 0   | Screw                                     |
| 35    | 30668       | 0   | Shaft, Mechanical governor                |
| 36    | 31707A      | 0   | Spacer Assy., Governor                    |
| 37    | 30591       | 0   | Gear Assy., Governor                      |
| 38    | 30588A      | 0   | Spool, Governor                           |
| 39    | 29193       | 0   | Ring, Retaining                           |
| 40    | 33577       | 0   | Rod, Governor                             |
| 41    | 32651       | 0   | Lever, Governor                           |
| 42    | 31335       | 0   | Clamp, Governor lever                     |
| 43    | 650548      | 0   | Screw, Hex washer hd., 8-32 x 5/16        |
| 44    | 28277       | 0   | Washer, Flat                              |
| 45    | 30088A      | 0   | Screw, Phil. fil. hd. Sems, 1/4-28 x 1    |
| 46    | 33862       | 0   | Pipe, Intake                              |
| 47    | 27915       | 0   | Gasket, Intake pipe                       |
| 48    | 33261       | 0   | Bracket, Intake pipe                      |
| 49    | 29752       | 0   | Nut                                       |
| 50    | 30200       | 0   | Screw                                     |
| 51    | 27625       | 0   | Plug, Oil filler                          |
| 51A   | 29673       | 0   | Gasket, Filler plug                       |
| 52    | 650738      | 0   | Screw                                     |
| 53    | 33861       | 0   | Gasket, Carburetor                        |
| 54    | 650378      | 0   | Screw                                     |

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| 55    | 650378      | 0   | Screw                                       |
| 56A   | 610973      | 0   | Terminal Assy.                              |
| 56    | 33959       | 0   | Control Assy., Speed                        |
| 57A   | 31342       | 0   | Spring, Compression                         |
| 58    | 650549      | 0   | Screw                                       |
| 59    | 28942       | 0   | Screw                                       |
| 59A   | 27793       | 0   | Clip, Conduit                               |
| 60    | 33151       | 0   | Link, Governor spring                       |
| 61    | 31361       | 0   | Spring, Governor                            |
| 62    | 33860       | 0   | Link, Throttle                              |
| 72    | 33270       | 0   | Gasket, Cylinder head                       |
| 73    | 34030       | 0   | Head, Cylinder                              |
| 74    | 33272       | 0   | Cover, Cylinder head                        |
| 75    | 6021A       | 0   | Screw, Hex flange hd., 5/16-18 x 1-1/2      |
| 75    | 650692      | 0   | Screw, Hex hd., 5/16-18 x 1-3/4             |
| 75    | 650711      | 0   | Screw, Hex hd., 5/16-18 x 1-5/8             |
| 75    | 650727      | 0   | Screw, Special hex hd. tapped, 5/16-18 x    |
| 77    | 650713      | 0   | Screw, Hex hd., 5/16-18 x 5/8               |
| 77    | 650737      | 0   | Screw, Hex washer hd. taptite, 1/4-20 x 1/2 |
| 77    | 650738      | 0   | Screw                                       |
| 79    | 650691      | 0   | Washer, Flat                                |
| 80    | 27896       | 0   | Gasket, Breather cover                      |
| 81    | 28423       | 0   | Body, Breather                              |
| 82    | 28424       | 0   | Element, Breather                           |
| 83    | 650128      | 0   | Screw                                       |
| 84    | 28425       | 0   | Cover, Valve chamber                        |
| 85    | 27627       | 0   | Tube, Breather                              |
| 86    | 33636       | 0   | Plug, Spark (Champion J-8 or equivalent)    |
| 86    | 34251       | 0   | Resistor Spark Plug                         |
| 87    | 33273       | 0   | Extension, Blower housing                   |
| 88    | 30688       | 0   | Screw, Hex hd. Sems, 1/4-20 x 1/2           |
| 89    | 650128      | 0   | Screw                                       |
| 90    | 34094       | 0   | Housing, Blower (6.375 dia. starter mtg.    |
| 91    | 29747A      | 0   | Screw                                       |
| 92    | 26073       | 0   | Washer, Connecting rod bolt                 |
| 93    | 650713      | 0   | Screw, Hex hd., 5/16-18 x 5/8               |
| 94    | 29536       | 0   | Baffle, Blower housing                      |
| 95    | 650561      | 0   | Screw                                       |
| 96    | 29752       | 0   | Nut   |
| 98    | 410144B     | 0   | Cap, Fuel filler (White Plastic) (Std.)     |
| 98    | 33032       | 0   | Cap, Fuel filler (Red Plastic) (Spurt       |
| 98    | 34118       | 0   | Cap, Fuel filler (Red Plastic) (Spurt       |
| 98    | 34210       | 0   | Cap, Fuel filler (Red Plastic) (Spurt       |
| 99    | 26460       | 0   | Clamp, Fuel line                            |
| 100   | 29774       | 0   | Line, Fuel (Braided 8.25")                  |
| 100   | 30705       | 0   | Line, Fuel (Braided 16")                    |
| 100   | 30962       | 0   | Line, Fuel (Braided 32")                    |
| 103   | 33280A      | 0   | Muffler                                     |
| 104   | 31588       | 0   | Plate, Muffler locking                      |
| 105   | 650729      | 0   | Screw                                       |
| 109   | 33662       | 0   | Hub & Screen Assy., Starter                 |
| 110   | 8116        | 0   | Nut   |
| 111   | 650815      | 0   | Washer, Belleville                          |
| 115   | 650489      | 0   | Screw                                       |
| 115   | 650516      | 0   | Screw                                       |
| 119   | 33876       | 0   | Gasket, Stator                              |
| 122   | 610683      | 0   | Wire, Ground (Female fitting both ends)     |
| 123   | 33013       | 0   | Cover, Starter bubble                       |

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|-------|-------------|-----|---------------------------------------|
| 124   | 650760      | 0   | Screw                                 |
| 141   | 33629       | 0   | Gasket, Air cleaner                   |
| 142   | 33634       | 0   | Gasket, Air cleaner                   |
| 144   | 650707      | 0   | Screw                                 |
| 145   | 650762      | 0   | Screw, Fil. hd. Sems, 10-32 x 1-29/32 |
| 146   | 33631       | 0   | Element, Air cleaner                  |
| 147   | 33630       | 0   | Bracket, Air cleaner                  |
| 150   | 33632A      | 0   | Cover & Body Assy., Air cleaner       |
| 195A  | 34316       | 0   | Decal, Name                           |
| 195   | 34346       | 0   | Decal, Instruction                    |
| 196   | 30547A      | 0   | Contact Assy., Breaker                |
| 197   | 30548B      | 0   | Condenser                             |
| 199   | 631021      | 0   | Inlet Needle, Seat & Clip Assy.       |
| 200   | 631841      | 0   | Carburetor                            |
| 201   | 610842      | 0   | Magneto, Tecumseh                     |
| 202   | 590479      | 0   | Starter, Rewind                       |
| 206   | 33279C      | 0   | Gasket Set                            |



## Engine Parts List #2

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|-------|-------------|-----|----------------------------------|
| 99    | 26460       | 0   | Clamp, Fuel line                 |
| 100   | 29774       | 0   | Line, Fuel (Braided 8.25")       |
| 100   | 30705       | 0   | Line, Fuel (Braided 16")         |
| 100   | 30962       | 0   | Line, Fuel (Braided 32")         |
| 103B  | 391026      | 0   | Muffler                          |
| 110   | 8116        | 0   | Nut                              |
| 111   | 650815      | 0   | Washer, Belleville               |
| 125   | 33323       | 0   | Screen, Muffler                  |
| 126   | 650578      | 0   | Screw                            |
| 127   | 33700       | 0   | Cover & Tube, Muffler            |
| 164   | 730130      | 0   | Muffler Adapter Kit              |
| 165   | 30196       | 0   | Screw                            |
| 166   | 27930       | 0   | Gasket, Exhaust                  |
| 204   | 33329       | 0   | Starter Motor Kit (110-120 Volt) |
| 204   | 33329A      | 0   | Starter Motor Kit (110-120 Volt) |
| 204   | 33329B      | 0   | Starter Motor Kit (110-120 Volt) |
| 204   | 33519       | 0   | Starter Motor Kit (110-120 Volt) |
| 204   | 33519A      | 0   | Starter Motor Kit (110-120 Volt) |
| 204   | 33519B      | 0   | Starter Motor Kit (110-120 Volt) |
| 205   | 610847      | 0   | Flywheel                         |