



| Ref # | Part Number | Qty | Description                                       |
|-------|-------------|-----|---------------------------------------------------|
|       | 1 36300     | 1   | Cylinder (Incl. 2, 20 & 314)                      |
|       | 2 27652     | 2   | Dowel Pin                                         |
|       | 11 36302    | 1   | Check Valve                                       |
| 11B   | 650128      | 1   | Screw, 10-24 x 1/2"                               |
| 11A   | 36303       | 1   | Breather Plate                                    |
| 15    | 36307       | 1   | Governor Rod                                      |
| 20    | 36301       | 1   | Oil Seal                                          |
| 30    | 36308       | 1   | Crankshaft                                        |
| 31    | 36324       | 1   | Counterbalance Gear                               |
| 38    | 29642       | 1   | Retaining Ring                                    |
| 40    | 36312       | 1   | Piston, Pin & Ring Set (Std.)                     |
| 40    | 36313       | 1   | Piston, Pin & Ring Set (.010" OS)                 |
| 40    | 36314       | 1   | Piston, Pin & Ring Set (.020" OS)                 |
| 41    | 36309       | 1   | Piston & Pin Ass'y. (Std.) (Incl. 43)             |
| 41    | 36310       | 1   | Piston & Pin Ass'y. (.010" OS) (Incl. 43)         |
| 41    | 36311       | 1   | Piston & Pin Ass'y. (.020" OS) (Incl. 43)         |
| 42    | 36315       | 1   | Ring Set (Std.)                                   |
| 42    | 36316       | 1   | Ring Set (.010" OS)                               |
| 42    | 36317       | 1   | Ring Set (.020" OS)                               |
| 43    | 35772       | 2   | Piston Pin Retaining Ring                         |
| 45    | 36318       | 1   | Connecting Rod Ass'y. (Incl. 46)                  |
| 45    | 36319       | 1   | Connecting Rod Ass'y. (.010" US) (Incl. 46)       |
| 45    | 36320       | 1   | Connecting Rod Ass'y. (.020" US) (Incl. 46)       |
| 46    | 650908      | 2   | Connecting Rod Bolt                               |
| 48    | 36321       | 2   | Valve Lifter                                      |
| 50    | 36322       | 1   | Camshaft (MCR)                                    |
| 51    | 36323       | 1   | Counterbalance Weight                             |
| 52C   | 36334       | 1   | Oil Pump Cover (Incl. 52B)                        |
| 52D   | 650888      | 3   | Screw, Torx T-30, 1/4-20 x 43/64"                 |
| 52B   | 36333       | 1   | * "O" Ring                                        |
| 52    | 36332       | 1   | Oil Pump Ass'y.                                   |
| 52A   | 36331       | 1   | Oil Pump Shaft                                    |
| 60A   | 650781      | 1   | Screw, 5/16-18 x 11/16"                           |
| 60B   | 650867      | 1   | Screw, 10-24 x 1/2"                               |
| 60    | 36361       | 1   | Air Baffle                                        |
| 65    | 30063       | 1   | Screw, Torx T-30, 1/4-20 x 1/2"                   |
| 66    | 650737      | 1   | Screw, 1/4-20 x 1/2"                              |
| 69    | 36325       | 1   | * Mounting Flange Gasket                          |
| 70    | 36326       | 1   | Mounting Flange (Incl. 72, 72B, 75, 80, 38 1-387) |
| 72A   | 28483       | 2   | Oil Drain Plug                                    |
| 72B   | 28534       | 3   | Pipe Plug                                         |
| 72    | 31927       | 1   | Oil Drain Plug                                    |
| 75    | 36301       | 1   | Oil Seal                                          |
| 80    | 35712       | 1   | Governor Shaft                                    |
| 81    | 35479       | 2   | Washer                                            |
| 82    | 36327       | 1   | Governor Gear Ass'y.                              |
| 83    | 35322       | 1   | Governor Spool                                    |
| 84    | 29193       | 1   | Retaining Ring                                    |
| 86    | 650970      | 9   | Screw, 1/4-20 x 1-15/32"                          |
| 89    | 650592      | 1   | Flywheel Key                                      |
| 90    | 611182      | 1   | Flywheel (W/Ring Gear)                            |
| 100   | 36344       | 1   | Solid State Ignition (Incl. 101)                  |
| 101   | 610118      | 1   | Spark Plug Cover                                  |
| 102   | 650872      | 2   | Solid State Mounting Stud                         |
| 103   | 650814      | 2   | Screw, Torx T-15, 10-24 x 1"                      |
| 110   | 36384       | 1   | Ground Wire                                       |
| 119   | 36337       | 1   | * Cylinder Head Gasket                            |
| 120   | 36338       | 1   | Cylinder Head                                     |

| Ref # | Part Number | Qty | Description                                                                                                                                                 |
|-------|-------------|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 125   | 35308       | 1   | Exhaust Valve (Std.)                                                                                                                                        |
| 125   | 35433       | 1   | Exhaust Valve (1/32" OS)                                                                                                                                    |
| 126   | 35309       | 1   | Intake Valve (Std.)                                                                                                                                         |
| 126   | 35432       | 1   | Intake Valve (1/32" OS)                                                                                                                                     |
| 127   | 650691      | 6   | Washer                                                                                                                                                      |
| 128   | 650690      | 6   | Belleville Washer                                                                                                                                           |
| 130   | 650946      | 6   | Screw, 5/16-18 x 2-45/64"                                                                                                                                   |
| 135   | 34645       | 1   | Resistor Spark Plug (RN4C)                                                                                                                                  |
| 150   | 33507       | 2   | Valve Spring                                                                                                                                                |
| 151   | 33508       | 2   | Valve Spring Keeper                                                                                                                                         |
| 153   | 36339       | 1   | Push Rod Guide                                                                                                                                              |
| 154   | 650972      | 2   | Rocker Arm Stud                                                                                                                                             |
| 155   | 35950       | 2   | Rocker Arm                                                                                                                                                  |
| 156   | 730636      | 2   | Rocker Arm Bearing                                                                                                                                          |
| 157   | 730636      | 2   | Screw, 5/16-24 x 1/4"                                                                                                                                       |
| 158   | 36340       | 2   | Push Rod                                                                                                                                                    |
| 159   | 35952       | 1   | * Rocker Arm Cover Gasket                                                                                                                                   |
| 160   | 35953A      | 1   | Rocker Arm Housing                                                                                                                                          |
| 161   | 30063       | 4   | Screw, Torx T-30, 1/4-20 x 1/2"                                                                                                                             |
| 169   | 36304       | 1   | * Breather Gasket                                                                                                                                           |
| 172   | 36305       | 1   | Valve Cover                                                                                                                                                 |
| 173   | 36306       | 1   | Breather Tube                                                                                                                                               |
| 174   | 30063       | 4   | Screw, Torx T-30, 1/4-20 x 1/2"                                                                                                                             |
| 229   | 650825      | 2   | Nut & Lock Washer, 1/4-20                                                                                                                                   |
| 265   | 36382       | 1   | Cylinder Head Cover                                                                                                                                         |
| 269   | 36365       | 1   | * Exhaust Manifold Gasket                                                                                                                                   |
| 270A  | 35829A      | 1   | Exhaust Port Liner                                                                                                                                          |
| 277   | 792028      | 2   | Screw, 5/16-18 x 7/8"                                                                                                                                       |
| 305   | 36349       | 1   | Oil Fill Tube                                                                                                                                               |
| 306   | 36348       | 1   | * "O" Ring                                                                                                                                                  |
| 307   | 35499       | 1   | "O" Ring                                                                                                                                                    |
| 309   | 650974      | 1   | Screw, 1/4-20 x 57/64"                                                                                                                                      |
| 310   | 36366       | 1   | Dipstick                                                                                                                                                    |
| 314   | 650814      | 2   | Screw, Torx T-15, 10-24 x 1"                                                                                                                                |
| 315   | 611181      | 1   | Alternator Coil (3/5 Split) (Incl.321 - 323)                                                                                                                |
| 321   | 611161      | 1   | Diode                                                                                                                                                       |
| 322   | 611142      | 1   | Connector Body                                                                                                                                              |
| 323   | 611118      | 1   | Terminal                                                                                                                                                    |
| 325A  | 36342       | 1   | Wire Clip                                                                                                                                                   |
| 361   | 650969      | 2   | Screw, 5/16-18 x 29/32"                                                                                                                                     |
| 370B  | 35274       | 1   | Instruction Decal                                                                                                                                           |
| 381   | 650767      | 1   | Screw, 8-32 x 27/64"                                                                                                                                        |
| 382   | 36328       | 1   | Oil Strainer Screen                                                                                                                                         |
| 385   | 570673      | 1   | Ball                                                                                                                                                        |
| 386   | 36329       | 1   | Pressure Relief Spring                                                                                                                                      |
| 387   | 36330       | 1   | Roll Pin                                                                                                                                                    |
| 394A  | 650982      | 1   | Washer                                                                                                                                                      |
| 395   | 36264       | 1   | Electric Starter Motor (12 Volt)                                                                                                                            |
| 400   | 36369A      | 1   | * Gasket Set (Incl. items marked PK i n notes) Incl. one each of part #s:35952, 36304, 36325, 36333, 36335, 36337, 36348, 36351, 36352, 36358, 36365, 36490 |
| 420   | 730225      | 1   | SAE 30 4-Cycle Engine Oil (Quart)                                                                                                                           |
| 475   | 36262       | 1   | Oil Filter                                                                                                                                                  |
| 477   | 650978      | 2   | Screw, Torx T-30, 5/16-18 x 1-7/16"                                                                                                                         |
| 478   | 36374       | 1   | Oil Filter Adaptor (Incl. 477 & 479)                                                                                                                        |
| 479   | 36335       | 1   | * Oil Passage Gasket                                                                                                                                        |



## Engine Parts List #2

| Ref # | Part Number | Qty | Description                                                                                                                  |
|-------|-------------|-----|------------------------------------------------------------------------------------------------------------------------------|
| 14    | 28277       | 2   | Washer                                                                                                                       |
| 16    | 36346       | 1   | Governor Lever (Incl. 212A)                                                                                                  |
| 17    | 29916       | 1   | Governor Lever Clamp                                                                                                         |
| 18    | 650548      | 1   | Screw, 8-32 x 5/16"                                                                                                          |
| 19    | 36414       | 1   | Extension Spring                                                                                                             |
| 28    | 30322       | 1   | Lock Nut, 8-32                                                                                                               |
| 35    | 29826       | 1   | Screw, 10-32 x 3/4"                                                                                                          |
| 36    | 29918       | 1   | Lock Washer                                                                                                                  |
| 37    | 29216       | 1   | Lock Nut, 10-32                                                                                                              |
| 38    | 29642       | 1   | Retaining Ring                                                                                                               |
| 60C   | 650737      | 1   | Screw, 1/4-20 X 1/2"                                                                                                         |
| 60A   | 650781      | 1   | Screw, 5/16-18 x 11/16"                                                                                                      |
| 60B   | 650867      | 1   | Screw, 10-24 x 1/2"                                                                                                          |
| 92    | 650666      | 1   | Lock Washer                                                                                                                  |
| 93    | 650594      | 1   | Flywheel Nut                                                                                                                 |
| 178   | 650928      | 2   | Lock Nut, 1/4-20                                                                                                             |
| 182   | 650925      | 2   | Carburetor Mounting Stud                                                                                                     |
| 184   | 36352       | 1   | * Carburetor To Intake Pipe Gasket                                                                                           |
| 185   | 36350       | 1   | Intake Pipe                                                                                                                  |
| 186   | 36354       | 1   | Governor Link                                                                                                                |
| 186A  | 36353       | 1   | Choke Link                                                                                                                   |
| 200   | 36360       | 1   | Control Bracket (Incl. 203,204,212A)                                                                                         |
| 203   | 36482       | 1   | Compression Spring                                                                                                           |
| 204   | 650777      | 1   | Screw, 6-32 x 21/32"                                                                                                         |
| 209   | 650902      | 2   | Screw, 10-32 x 7/16"                                                                                                         |
| 210   | 27793       | 1   | Conduit Clip                                                                                                                 |
| 211   | 28942       | 1   | Screw, 10-32 x 3/8"                                                                                                          |
| 212A  | 36288       | 3   | Bushing                                                                                                                      |
| 223   | 650975      | 2   | Screw, Torx T-30, 5/16-18 x 1-9/32"                                                                                          |
| 224   | 36351       | 1   | * Intake Pipe Gasket                                                                                                         |
| 228   | 650977      | 2   | Air Cleaner Stud                                                                                                             |
| 229   | 650825      | 2   | Nut & Lock Washer, 1/4-20                                                                                                    |
| 239   | 36358       | 1   | * Air Cleaner Gasket                                                                                                         |
| 240   | 36355       | 1   | Air Cleaner Body (Incl. 228 & 239)                                                                                           |
| 245   | 36356       | 1   | Air Cleaner Filter (Incl. 229)                                                                                               |
| 245A  | 36357       | 1   | Air Cleaner Filter                                                                                                           |
| 250   | 36359       | 1   | Air Cleaner Cover                                                                                                            |
| 251   | 650886      | 2   | Wing Nut, 1/4-20                                                                                                             |
| 252   | 650976      | 1   | Screw, 1/4-20 x 19/32"                                                                                                       |
| 260   | 36347       | 1   | Blower Housing                                                                                                               |
| 262   | 650737      | 3   | Screw, 1/4-20 x 1/2"                                                                                                         |
| 263   | 36367       | 1   | Trim Ring                                                                                                                    |
| 286   | 36343       | 1   | Cup & Screen                                                                                                                 |
| 290   | 30705       | 1   | Fuel Line                                                                                                                    |
| 292   | 26460       | 2   | Fuel Line Clamp                                                                                                              |
| 296   | 34279B      | 1   | Fuel Filter (Incl. 292)                                                                                                      |
| 326   | 36210       | 1   | Screen Plug                                                                                                                  |
| 347   | 650949      | 3   | Screw, 10-32 x 9/16"                                                                                                         |
| 370   | 36261       | 1   | Instruction Decal                                                                                                            |
| 370B  | 35274       | 1   | Instruction Decal                                                                                                            |
| 380   | 632651      | 1   | Carburetor (Incl. 184 & 212A)                                                                                                |
| 394A  | 650982      | 1   | Washer                                                                                                                       |
| 485   | 36435       | 1   | Oil Filter Adapter Kit (Optional) (Incl. 36262 Oil Filter, 36374 Oil Filter Adapter, 650971 Screw, 36335 Oil Passage Gasket) |