

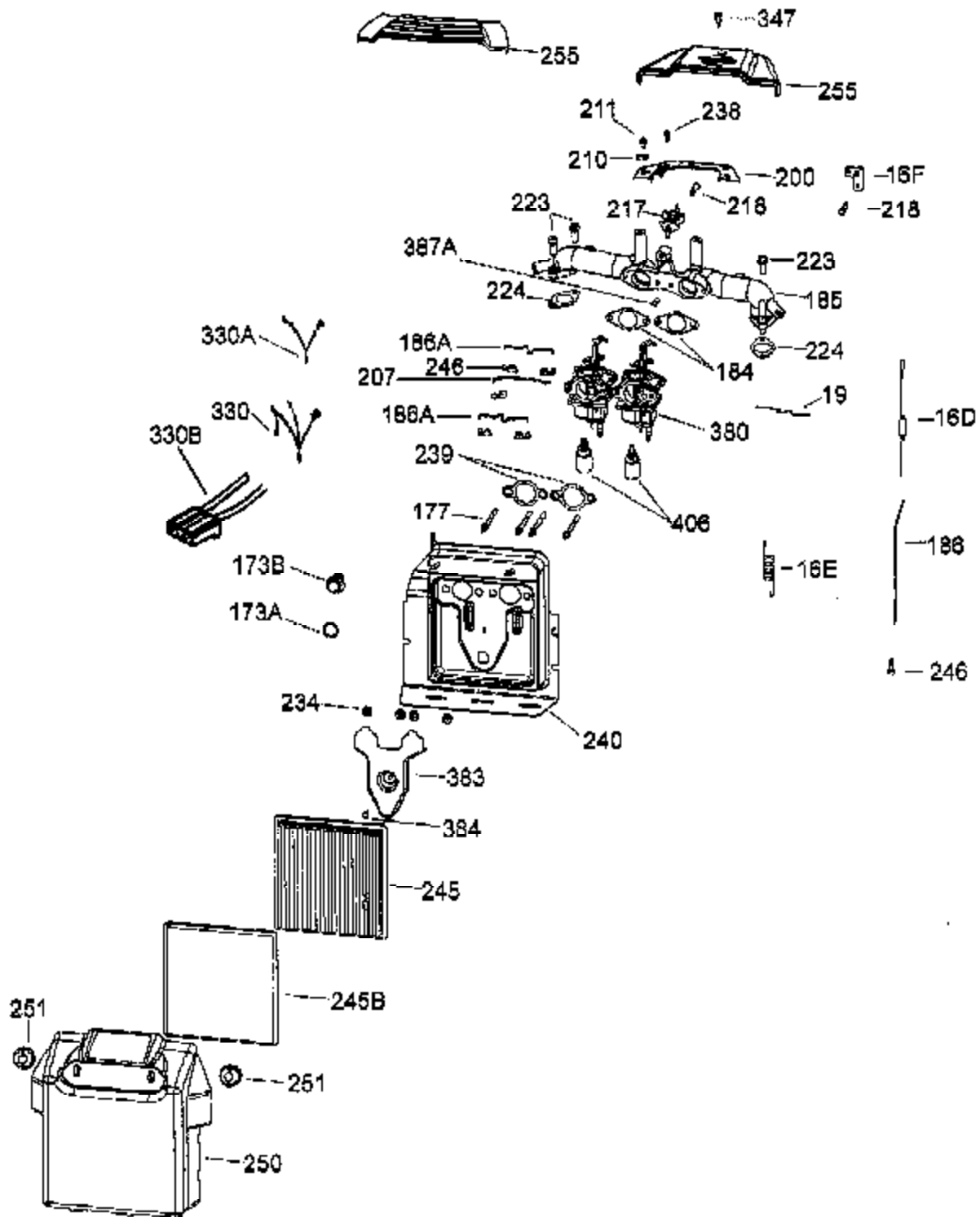


| Ref # | Part Number | Qty | Description                                                 |
|-------|-------------|-----|-------------------------------------------------------------|
| 1     | 0           | 1   | Cylinder (Machined) (Order engine if replacement is needed) |
| 2     | 27652       | 2   | Dowel Pin                                                   |
| 11    | 36302       | 1   | Check Valve                                                 |
| 11A   | 36303       | 1   | Breather Plate                                              |
| 11B   | 650902      | 1   | Screw, 10-32 x 7/16"                                        |
| 14    | 37363       | 1   | Washer                                                      |
| 15B   | 650738      | 1   | Screw, 1/4-20 x 5/8"                                        |
| 15    | 37364       | 1   | Governor Rod                                                |
| 16A   | 37414       | 1   | Governor Spring Bracket                                     |
| 16    | 37413       | 1   | Governor Lever                                              |
| 17C   | 37429       | 1   | Breather Tube Clamp                                         |
| 30    | 37371       | 1   | Crankshaft                                                  |
| 35    | 651069      | 1   | Screw, Carriage 1/4-20 x 1-1/2"                             |
| 37    | 650456      | 1   | Lock Nut, 1/4-20                                            |
| 38    | 37365       | 1   | Retaining Ring                                              |
| 40    | 40040       | 2   | Piston, Pin & Ring Set (Std.)                               |
| 40    | 40041       | 2   | Piston, Pin & Ring Set (.010"OS)                            |
| 41    | 40038       | 2   | Piston & Pin Ass'y. (Std.) (Incl. 43)                       |
| 41    | 40039       | 2   | Piston & Pin Ass'y. (.010"OS)(Incl.43)                      |
| 42    | 40013       | 2   | Ring Set (Std.)                                             |
| 42    | 40014       | 2   | Ring Set (.010"OS)                                          |
| 43    | 27888       | 4   | Piston Pin Retaining Ring                                   |
| 45    | 37372       | 2   | Connecting Rod Ass'y. (Incl. 46)                            |
| 46    | 651063      | 4   | Connecting Rod Bolt                                         |
| 48    | 37373       | 4   | Valve Lifter                                                |
| 50    | 37374       | 1   | Camshaft (MCR)                                              |
| 52    | 37305       | 1   | Oil Pump Ass'y.                                             |
| 52C   | 36334       | 1   | Oil Pump Cover (Incl. 52B)                                  |
| 52B   | 36333       | 1   | "O" Ring                                                    |
| 52A   | 37382       | 1   | Oil Pump Shaft                                              |
| 52D   | 650888      | 3   | Screw, T-30, 1/4-20 x 43/64"                                |
| 52E   | 37383       | 1   | Oil Pump Gear                                               |
| 52F   | 37384       | 1   | Oil Pump Gear Retaining Ring                                |
| 60A   | 651015      | 4   | Screw, 1/4-20 x 1-1/8"                                      |
| 69    | 37377       | 1   | * Mounting Flange Gasket                                    |
| 70    | 37378       | 1   | Mounting Flange (Incl. 72,72A,75,80,3 81-387)               |
| 72A   | 28483       | 1   | Oil Drain Plug                                              |
| 75    | 36301       | 2   | Oil Seal (1 in Ref 1, 1 in Ref 70)                          |
| 75A   | 37369       | 1   | Oil Seal (Governor Shaft)                                   |
| 80    | 37379       | 1   | Governor Shaft                                              |
| 81    | 37381       | 1   | Washer (Governor Shaft)                                     |
| 82    | 37380       | 1   | Governor Gear Ass'y.                                        |
| 83    | 35322       | 1   | Governor Spool                                              |
| 84    | 29193       | 1   | Retaining Ring                                              |
| 86    | 651064      | 9   | Screw, 5/16-18 x 1-15/32"                                   |
| 89    | 650592      | 1   | Flywheel Key                                                |
| 90    | 611254      | 1   | Flywheel (Incl. 91 & 91A)                                   |
| 91    | 611241      | 1   | Flywheel Fan                                                |
| 91A   | 611242      | 1   | Flywheel Retainer                                           |
| 92    | 651082      | 1   | Belleville Washer (Under Ref. 93)                           |
| 93    | 650594      | 1   | Flywheel Nut                                                |
| 100   | 37395       | 2   | Solid State Ignition (Incl. 101)                            |
| 101   | 610118      | 2   | Spark Plug Cover                                            |
| 101A  | 611284      | 1   | Spark Plug Shield                                           |
| 102   | 651024      | 4   | Solid State Mounting Stud                                   |
| 103   | 651007      | 6   | Screw, T-15 10-24 x 15/16"                                  |
| 119   | 37388       | 2   | * Cylinder Head Gasket                                      |
| 120   | 37387       | 1   | Cylinder Head, Opp. Breather Side                           |

| Ref # | Part Number | Qty | Description                                  |
|-------|-------------|-----|----------------------------------------------|
| 120A  | 37389       | 1   | Cylinder Head, Breather Side                 |
| 125   | 36934       | 2   | Exhaust Valve (Std.)                         |
| 126   | 36935       | 2   | Intake Valve (Std)                           |
| 127   | 650691      | 12  | Flat Washer                                  |
| 128   | 650690      | 12  | Belleville Washer                            |
| 130   | 650697A     | 12  | Screw, 5/16-18 x 2-1/2"(Head Mount)          |
| 135   | 34645       | 2   | Spark Plug (RN4C)                            |
| 150   | 33507       | 4   | Valve Spring                                 |
| 151A  | 35862       | 2   | Valve Seal                                   |
| 151   | 33508       | 4   | Valve Keeper Retainer & Cap Set              |
| 153   | 37390       | 2   | Push Rod Guide                               |
| 154   | 650945      | 4   | Rocker Arm Stud                              |
| 155   | 35950       | 4   | Rocker Arm                                   |
| 158   | 37391       | 4   | Push Rod                                     |
| 159   | 35952       | 2   | * Rocker Arm Cover Gasket                    |
| 160A  | 37392       | 1   | Rocker Arm Cover, Breather Side              |
| 160   | 35953A      | 1   | Rocker Arm Cover, Opp. Breather Side         |
| 161   | 30063       | 6   | Screw, T-30, 1/4-20 x 1/2"                   |
| 161A  | 651034      | 2   | Stud, Valve Cover Mounting                   |
| 162   | 650947      | 4   | Rocker Arm Jam Nut, 5/16-24                  |
| 163   | 650890      | 4   | Internal Lock Washer, 5/16"                  |
| 169   | 37367       | 1   | * Valve Cover Gasket                         |
| 171   | 37366       | 1   | Breather Element                             |
| 172   | 37368       | 1   | Valve Cover                                  |
| 173   | 37393       | 1   | Breather Tube                                |
| 212   | 37370       | 4   | Bushing                                      |
| 253   | 37376       | 1   | Compression Release Weight                   |
| 253A  | 37424       | 1   | Compression Release Pin                      |
| 254   | 37375       | 1   | Compression Release Spring                   |
| 260   | 37398       | 1   | Blower Housing (Red)                         |
| 261   | 650737      | 3   | Screw, 1/4-20 x 1/2"                         |
| 265   | 37627       | 1   | Cylinder Head Cover, Opp. Breather           |
| 265A  | 37628       | 1   | Cylinder Head Cover, Breather Side           |
| 270A  | 35829A      | 2   | Exhaust Port Liner                           |
| 286   | 37394       | 1   | Flywheel Screen                              |
| 287   | 651066      | 4   | Screw, T-20, 8-18 x 1-15/32"                 |
| 290   | 30962       | 1   | Fuel Line (16.75")                           |
| 291   | 29774       | 1   | Fuel Line (4.00")                            |
| 291C  | 34357       | 1   | Fuel Line (6-3/4")                           |
| 291B  | 29774       | 1   | Fuel Line (1.56")                            |
| 291A  | 29774       | 1   | Fuel Line (8-1/4")                           |
| 292   | 26460       | 10  | Fuel Line Clamp                              |
| 292A  | 37399       | 1   | Fuel Line Retainer                           |
| 293   | 35787       | 1   | Pulse Pump (Incl. 294)                       |
| 293A  | 650931      | 2   | Screw, 8-32 x 1-1/2"                         |
| 294   | 35791       | 1   | Pulse Pump Repair Kit                        |
| 295A  | 37422       | 1   | Fuel Fitting                                 |
| 296   | 34279B      | 1   | Fuel Filter (Incl. 292)                      |
| 303   | 32958       | 1   | Pulse Pump/Fuel Fitting                      |
| 305   | 36349       | 1   | Oil Fill Tube                                |
| 306   | 37401       | 1   | * O-Ring (Oil Fill, Bottom)                  |
| 307   | 35499       | 1   | O-Ring Oil Fill, (Top)                       |
| 309   | 650974      | 1   | Screw, 1/4-20 x 5/64"                        |
| 310   | 37421       | 1   | Dipstick                                     |
| 313A  | 36674       | 2   | Spacer                                       |
| 314   | 651007      | 2   | Screw, T-15, 10-24 x 15/16"                  |
| 315   | 611292      | 1   | Alternator Coil (16 Amp DC) (Incl.322 -323B) |
| 319   | 651015      | 2   | Screw, 1/4-20 x 1-1/8"                       |

## Engine Parts List #1

| Ref # | Part Number | Qty | Description                           |
|-------|-------------|-----|---------------------------------------|
| 320   | 611184      | 1   | Regulator (16 Amp)                    |
| 322   | 611281      | 1   | Connector Body                        |
| 323   | 611276      | 1   | Terminal                              |
| 323A  | 611277      | 1   | Terminal                              |
| 323B  | 611282      | 2   | Terminal                              |
| 325   | 36342       | 1   | Wire Clip                             |
| 342   | 651031      | 2   | Screw, 1/4-20 x 9/16"(Ref. 240 & 265) |
| 346   | 36413       | 1   | Fuel Pump Bracket                     |
| 347   | 650898A     | 1   | Screw, 10-32 x 27/32"                 |
| 361   | 651065      | 2   | Screw, 5/16-18 x 2-3/8"               |
| 370A  | 35274       | 1   | Oil Instruction Decal                 |
| 370K  | 36695       | 1   | Emblem Decal (Red/Silver)             |
| 381   | 650767      | 1   | Screw, 8-32 x 27/64"                  |
| 382   | 36931       | 1   | Oil Strainer Screen                   |
| 385   | 570673      | 1   | Ball                                  |
| 386   | 36329       | 1   | Pressure Release Spring               |
| 387   | 37652       | 1   | Cotter Pin                            |
| 395   | 37284       | 1   | Electric Starter Motor (12 Volt)      |
| 400   | 37423       | 1   | * Gasket Set (Incl. items marked PK)  |
| 428   | 37362       | 1   | Spacer                                |
| 475   | 36563       | 1   | Oil Filter                            |
| 476   | 36929       | 1   | Oil Filter Adaptor (Incl. 479)        |
| 477   | 650378      | 2   | Screw, T-30, 5/16-18 x 1 3/32"        |
| 479   | 36930       | 1   | * Oil Filter Adaptor Gasket           |
| 483   | 37629       | 4   | Cylinder Wrap Spacer                  |



| Ref # | Part Number | Qty | Description                         |
|-------|-------------|-----|-------------------------------------|
| 16E   | 37417       | 1   | Governor Idle Spring                |
| 16F   | 37418       | 1   | Bell Crank Lever                    |
| 16D   | 37415       | 1   | Governor Spring, Hi-speed           |
| 19    | 37416       | 1   | Throttle Spring                     |
| 173B  | 37409       | 1   | Breather Tube Fitting               |
| 173A  | 37410       | 1   | Breather Tube Grommet               |
| 177   | 651067      | 4   | Carburetor Mounting Stud            |
| 184   | 36352       | 2   | * Carburetor to Intake Pipe Gasket  |
| 185   | 37396       | 1   | Intake Pipe (Incl. 387A)            |
| 186   | 37404       | 1   | Governor Link                       |
| 186A  | 37405       | 2   | Choke Link                          |
| 200   | 37400       | 1   | Control Bracket                     |
| 207   | 37406       | 1   | Throttle Link                       |
| 210   | 27793       | 2   | Conduit Clip                        |
| 211   | 28942       | 2   | Screw, 10-32 x 3/8"                 |
| 217   | 37419       | 1   | Control Lever                       |
| 218   | 651070      | 2   | Screw, 10-32 x 1-1/4"               |
| 223   | 650971      | 4   | Screw, T-30, 5/16-18 x 7/8"         |
| 224   | 33515A      | 2   | * Intake Pipe Gasket (Pipe to Head) |
| 234   | 650928      | 4   | Lock Nut, 1/4-20                    |
| 238   | 650902      | 2   | Screw, 10-32 x 7/16"                |
| 239   | 36358       | 2   | * Air Cleaner Gasket                |
| 240   | 37408       | 1   | Air Cleaner Body Assy. (Incl. 239)  |
| 245B  | 37361       | 1   | Air Cleaner Pre-Filter (Poly)       |
| 245   | 37360       | 1   | Air Cleaner Filter (Paper)          |
| 246   | 37407       | 6   | Connector Bushing Link              |
| 250   | 37412       | 1   | Air Cleaner Cover                   |
| 251   | 650886      | 2   | Wing Nut, 1/4-20                    |
| 255   | 37420       | 1   | Control Cover                       |
| 314   | 651007      | 2   | Screw, T-15, 10-24 x 15/16"         |
| 323A  | 611277      | 1   | Terminal                            |
| 323B  | 611282      | 2   | Terminal                            |
| 330   | 37739       | 1   | Fuel Solenoid Wire Assembly         |
| 330A  | 37403       | 1   | Fuel Solenoid Wire Assembly (Black) |
| 347   | 650898A     | 1   | Screw, 10-32 x 27/32"               |
| 380   | 640221      | 2   | Carburetor (Incl. 184 & 428)        |
| 383   | 37411       | 1   | Carburetor Baffle                   |
| 384   | 30200       | 1   | Screw, 10-24 x 9/16" Self Tap       |
| 387A  | 37397       | 1   | Roll Pin                            |
| 406   | 611221      | 2   | Fuel Shut-Off Solenoid              |