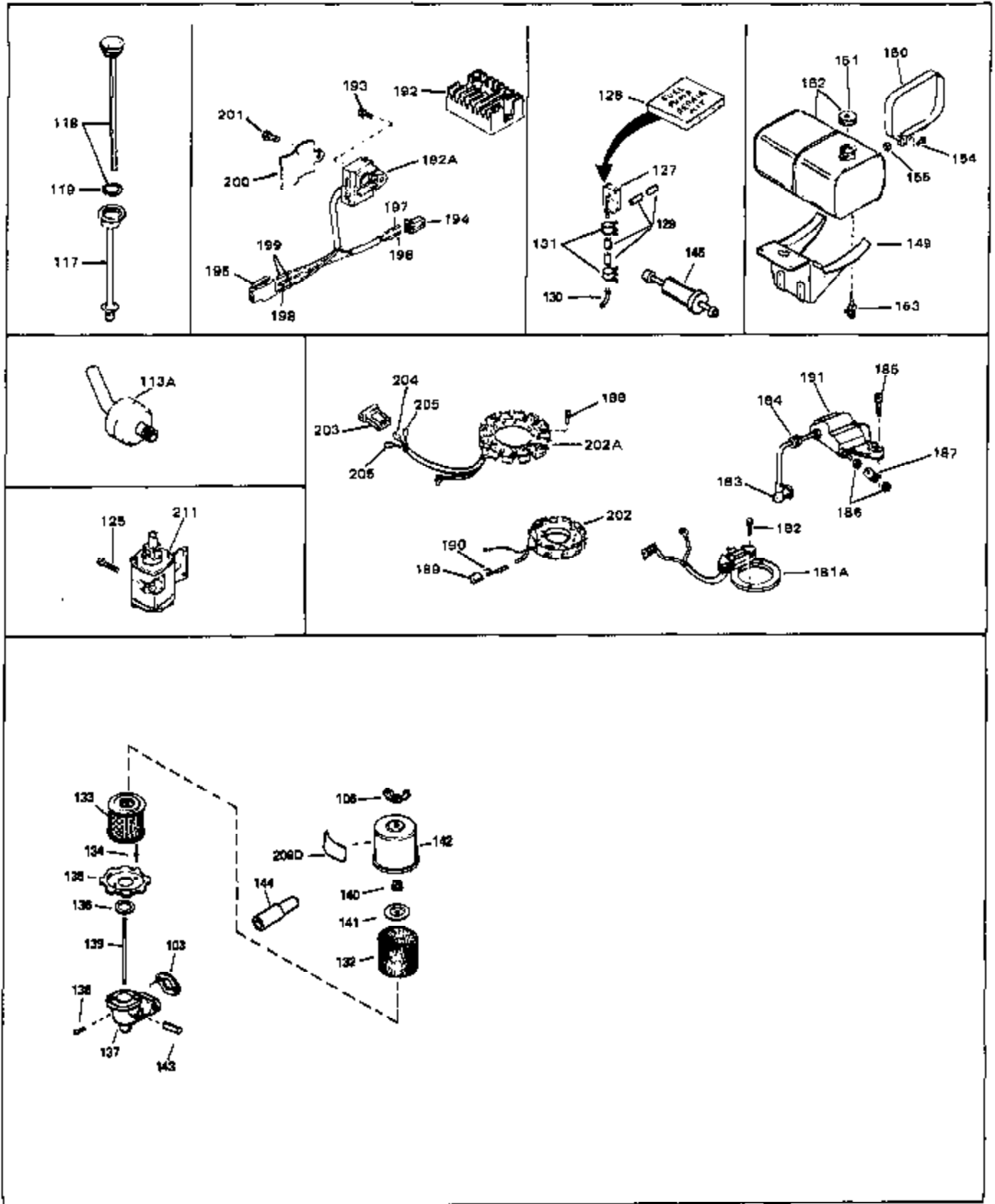


| Ref # | Part Number | Qty | Description                               |
|-------|-------------|-----|---|
| 1     | 33089       | 0   | Cylinder Assy. (3-5/16" Bore)             |
| 2     | 27652       | 0   | Pin, Dowel                                |
| 3A    | 650128      | 0   | Screw                                     |
| 3     | 33359       | 0   | Baffle, Oil                               |
| 4     | 31950       | 0   | Seal, Oil                                 |
| 5     | 31940       | 0   | Valve, Intake (Std.)                      |
| 5     | 31941       | 0   | Valve, Intake (1/32" oversize)            |
| 6     | 31942       | 0   | Valve, Exhaust (Std.)                     |
| 6     | 31943       | 0   | Valve, Exhaust (1/32" oversize)           |
| 7     | 31944       | 0   | Spring, Valve                             |
| 8A    | 31945       | 0   | Cap, Valve spring (Std.)                  |
| 8A    | 31946       | 0   | Cap, Valve spring (1/32" oversize)        |
| 8     | 31945       | 0   | Cap, Valve spring (Std.)                  |
| 8     | 31946       | 0   | Cap, Valve spring (1/32" oversize)        |
| 9     | 20810       | 0   | Pin, Valve spring retaining               |
| 10    | 31939       | 0   | Lifter, Valve                             |
| 11    | 33090A      | 0   | Crankshaft Assy.                          |
| 12    | 29783       | 0   | Pin, Crankshaft gear                      |
| 13    | 33091       | 0   | Gear, Crankshaft                          |
| 14A   | 32001C      | 0   | Piston & Pin Assy. (Std.) (3-5/16")       |
| 14A   | 32002B      | 0   | Piston & Pin Assy. (.010 oversize)        |
| 14A   | 32003B      | 0   | Piston & Pin Assy. (.020 oversize)        |
| 14A   | 32619B      | 0   | Piston & Pin Assy. (.030 oversize)        |
| 14A   | 32620B      | 0   | Piston & Pin Assy. (.040 oversize)        |
| 14    | 34508       | 0   | Piston, Pin & Ring Assy. (Std.) (3-5/16") |
| 14    | 34509       | 0   | Piston, Pin & Ring Assy. (.010 oversize)  |
| 14    | 34510       | 0   | Piston, Pin & Ring Assy. (.020 oversize)  |
| 14    | 34523       | 0   | Piston, Pin & Ring Assy. (.040 oversize)  |
| 14    | 34850       | 0   | Piston, Pin & Ring Assy. (.030 oversize)  |
| 15    | 32004       | 0   | Ring Set, Piston (Std.) (3-5/16")         |
| 15    | 32005       | 0   | Ring Set, Piston (.010 oversize)          |
| 15    | 32006       | 0   | Ring Set, Piston (.020 oversize)          |
| 15    | 32623       | 0   | Ring Set, Piston (.030 oversize)          |
| 15    | 32624       | 0   | Ring Set, Piston (.040 oversize)          |
| 16    | 31919       | 0   | Ring, Piston pin retaining                |
| 17    | 33093A      | 0   | Rod Assy., Connecting (Std.)              |
| 17    | 34383       | 0   | Rod Assy., Connecting (.010 undersize)    |
| 17    | 34384       | 0   | Rod Assy., Connecting (.020 undersize)    |
| 18    | 32077       | 0   | Bolt, Connecting rod                      |
| 19    | 26073       | 0   | Washer, Connecting rod bolt               |
| 20    | 28264       | 0   | Nut                                       |
| 21    | 32150       | 0   | Camshaft Assy. (Mechanical Compression)   |
| 22    | 33092       | 0   | Dipper, Oil                               |
| 23    | 33094       | 0   | Flange, Mounting                          |
| 24    | 31930       | 0   | Shaft, Mechanical governor                |
| 25    | 31947       | 0   | Gear Assy., Governor                      |
| 26    | 29193       | 0   | Ring, Retaining                           |
| 27    | 31948       | 0   | Spool, Governor                           |
| 28    | 30590A      | 0   | Washer, Flat                              |
| 29    | 31927       | 0   | Plug, Oil drain (3/8-18 sq. hd.)          |
| 29A   | 28483       | 0   | Plug, Oil drain (3/8-18 hex countersunk)  |
| 34    | 31956A      | 0   | Gasket, Mounting flange                   |
| 35    | 30564       | 0   | Screw                                     |
| 36    | 650588      | 0   | Screw, Hex hd. Sems, 1/4-20 x 2           |
| 37    | 31957       | 0   | Breather Assy.                            |
| 38    | 27627       | 0   | Tube, Breather                            |
| 39    | 31958       | 0   | Gasket, Breather                          |
| 40    | 650128      | 0   | Screw                                     |

| Ref # | Part Number | Qty | Description                                 |
|-------|-------------|-----|---|
| 41    | 31959       | 0   | Baffle, Air                                 |
| 42    | 33095       | 0   | Flange, Carburetor                          |
| 43A   | 31960       | 0   | Gasket, Carburetor                          |
| 43    | 31960       | 0   | Gasket, Carburetor                          |
| 44    | 6201        | 0   | Screw                                       |
| 45    | 29634       | 0   | Fitting, Fuel                               |
| 46    | 29752       | 0   | Nut   |
| 47    | 650517      | 0   | Screw, Fil. flex hd. self-locking, 1/4-20 x |
| 48    | 33034       | 0   | Head, Cylinder                              |
| 49    | 32000A      | 0   | Gasket, Cylinder head                       |
| 50    | 33035       | 0   | Cover, Cylinder head                        |
| 51    | 33636       | 0   | Plug, Spark (Champion J-8 or equivalent)    |
| 51    | 34251       | 0   | Resistor Spark Plug                         |
| 52    | 650691      | 0   | Washer, Flat                                |
| 53    | 650690      | 0   | Washer, Belleville                          |
| 54    | 650711      | 0   | Screw, Hex hd., 5/16-18 x 1-5/8             |
| 55    | 33096       | 0   | Lever, Governor                             |
| 56    | 31964       | 0   | Clamp, Governor lever                       |
| 57    | 650518      | 0   | Lockwasher, No. 10                          |
| 58    | 30312       | 0   | Screw, Hex washer hd. Sems, 10-32 x 1/2     |
| 59    | 650544      | 0   | Screw, Pan flex hd., 10-24 x 7/8            |
| 60    | 7975        | 0   | Nut, Square, 10-24                          |
| 61    | 31965       | 0   | Plate, Governor spring                      |
| 62    | 33097       | 0   | Lever, Governor adjusting                   |
| 63    | 28558       | 0   | Washer, Wave                                |
| 64    | 31966       | 0   | Bushing, Governor lever                     |
| 65    | 650597      | 0   | Screw, Hex washer hd., 10-24 x 5/8          |
| 66    | 31967       | 0   | Spring, Governor                            |
| 67    | 33098       | 0   | Link, Governor                              |
| 68    | 650591      | 0   | Screw, Fil. hd., 10-24 x 2                  |
| 69    | 33099       | 0   | Spring                                      |
| 70    | 32577       | 0   | Cover, Cylinder                             |
| 71    | 31971       | 0   | Gasket, Shim (.004/.005 thick)              |
| 71    | 31972       | 0   | Gasket, Shim (.005/.007 thick,)             |
| 72    | 32031       | 0   | Spacer, Steel (.010 thick)                  |
| 73    | 32599       | 0   | "O" Ring                                    |
| 74    | 31932       | 0   | Bearing, Tapered roller                     |
| 75    | 31928       | 0   | Cup, Bearing                                |
| 76    | 32425       | 0   | Rod Assy., Governor                         |
| 77    | 32426       | 0   | Spacer, Governor rod                        |
| 79    | 650666      | 0   | Washer, Lock                                |
| 80    | 650594      | 0   | Nut, Flywheel                               |
| 81    | 28537       | 0   | Washer, Flat                                |
| 82    | 650128      | 0   | Screw                                       |
| 83    | 33038       | 0   | Plug, Button                                |
| 84    | 650561      | 0   | Screw                                       |
| 85    | 32579       | 0   | Baffle, Blower housing                      |
| 90    | 30688       | 0   | Screw, Hex hd. Sems, 1/4-20 x 1/2           |
| 90    | 650128      | 0   | Screw                                       |
| 91    | 31976       | 0   | Extension, Blower housing                   |
| 92    | 26073       | 0   | Washer, Connecting rod bolt                 |
| 93    | 650713      | 0   | Screw, Hex hd., 5/16-18 x 5/8               |
| 94    | 33044A      | 0   | Housing, Blower                             |
| 95    | 27793       | 0   | Clip, Conduit                               |
| 96    | 28942       | 0   | Screw                                       |
| 97    | 8274        | 0   | Lockwasher                                  |
| 98    | 8274        | 0   | Lockwasher                                  |
| 99    | 650595      | 0   | Screw, Hex hd., 5/16-24 x 3/8               |

| Ref # | Part Number | Qty | Description                              |
|-------|-------------|-----|--|
| 100   | 650890      | 0   | Lockwasher, Shakeproof 5/16              |
| 102   | 650624      | 0   | Screw, Hex hd., 5/16-24 x 9/16           |
| 103   | 27272       | 0   | Gasket, Air cleaner                      |
| 104   | 30767       | 0   | Spacer, Air cleaner                      |
| 105   | 650399      | 0   | Screw, Phil. fil. hd. Sems, 10-32 x 5/8  |
| 106   | 650513      | 0   | Nut, Wing                                |
| 107   | 32378       | 0   | Bracket, Air cleaner                     |
| 108   | 32376       | 0   | Bracket, Air cleaner                     |
| 109A  | 32008       | 0   | Element, Air cleaner                     |
| 110   | 32009       | 0   | Cover, Air cleaner                       |
| 111   | 31481       | 0   | Washer, Copper                           |
| 113   | 32043B      | 0   | Muffler                                  |
| 114   | 650590      | 0   | Nut, Conduit                             |
| 115   | 32141       | 0   | Elbow, Exhaust (90°)                     |
| 116   | 32042       | 0   | Nipple, Exhaust pipe (2")                |
| 120   | 27625       | 0   | Plug, Oil filler                         |
| 121   | 29673       | 0   | Gasket, Filler plug                      |
| 124   | 31990       | 0   | Bracket, Bowden wire                     |
| 165   | 650670      | 0   | Screw, Truss hd., 1/4-20 x 3/4           |
| 166   | 32426       | 0   | Spacer, Governor rod                     |
| 167   | 33776       | 0   | Screen, Starter pulley                   |
| 168   | 27070       | 0   | Lockwasher                               |
| 169   | 650675      | 0   | Washer, Flat                             |
| 174   | 792028      | 0   | Screw, Hex hd. Sems, 5/16-18 x 7/8       |
| 176   | 650592      | 0   | Key, Flywheel                            |
| 177   | 610746      | 0   | Flywheel (Solid state)                   |
| 177A  | 730201      | 0   | Trigger Pin Kit                          |
| 183   | 610118      | 0   | Cover, Spark plug                        |
| 184   | 610750      | 0   | Grommet, Lead wire                       |
| 206   | 34346       | 0   | Decal, Instruction                       |
| 206A  | 550223      | 0   | Decal, Name                              |
| 206C  | 31752       | 0   | Decal, Air cleaner                       |
| 207   | 32255A      | 0   | Valve, Seat, Gasket & Spring Assy. (.083 |
| 209   | 631608      | 0   | Carburetor                               |
| 212   | 33237A      | 0   | Gasket set                               |



| Ref # | Part Number | Qty | Description                              |
|-------|-------------|-----|--|
| 103   | 27272       | 0   | Gasket, Air cleaner                      |
| 106   | 650513      | 0   | Nut, Wing                                |
| 125   | 792028      | 0   | Screw, Hex hd. Sems, 5/16-18 x 7/8       |
| 151   | 34118       | 0   | Cap, Fuel filler (Red Plastic) (Spurt    |
| 151   | 34210       | 0   | Cap, Fuel filler (Red Plastic) (Spurt    |
| 183   | 610118      | 0   | Cover, Spark plug                        |
| 184   | 610750      | 0   | Grommet, Lead wire                       |
| 185   | 650661      | 0   | Screw, Fil. hd. w/conical spring washer, |
| 186   | 610408      | 0   | Nut, Terminal                            |
| 187   | 33356       | 0   | Terminal, Ground                         |
| 188   | 650416      | 0   | Screw, Rd. hd. Sems, 10-32 x 1           |
| 189   | 610819      | 0   | Connector, Pyramid                       |
| 190   | 610922      | 0   | Terminal                                 |
| 191   | 610748      | 0   | Magneto, Solid State                     |
| 192   | 610749      | 0   | Regulator, Rectifier (10 Amp)            |
| 202   | 610747      | 0   | Coil Assy., Alternator                   |
| 211   | 32817       | 0   | Motor, Starter (12 Volt)                 |
| 211   | 33835       | 0   | Motor, Starter (12 Volt)                 |