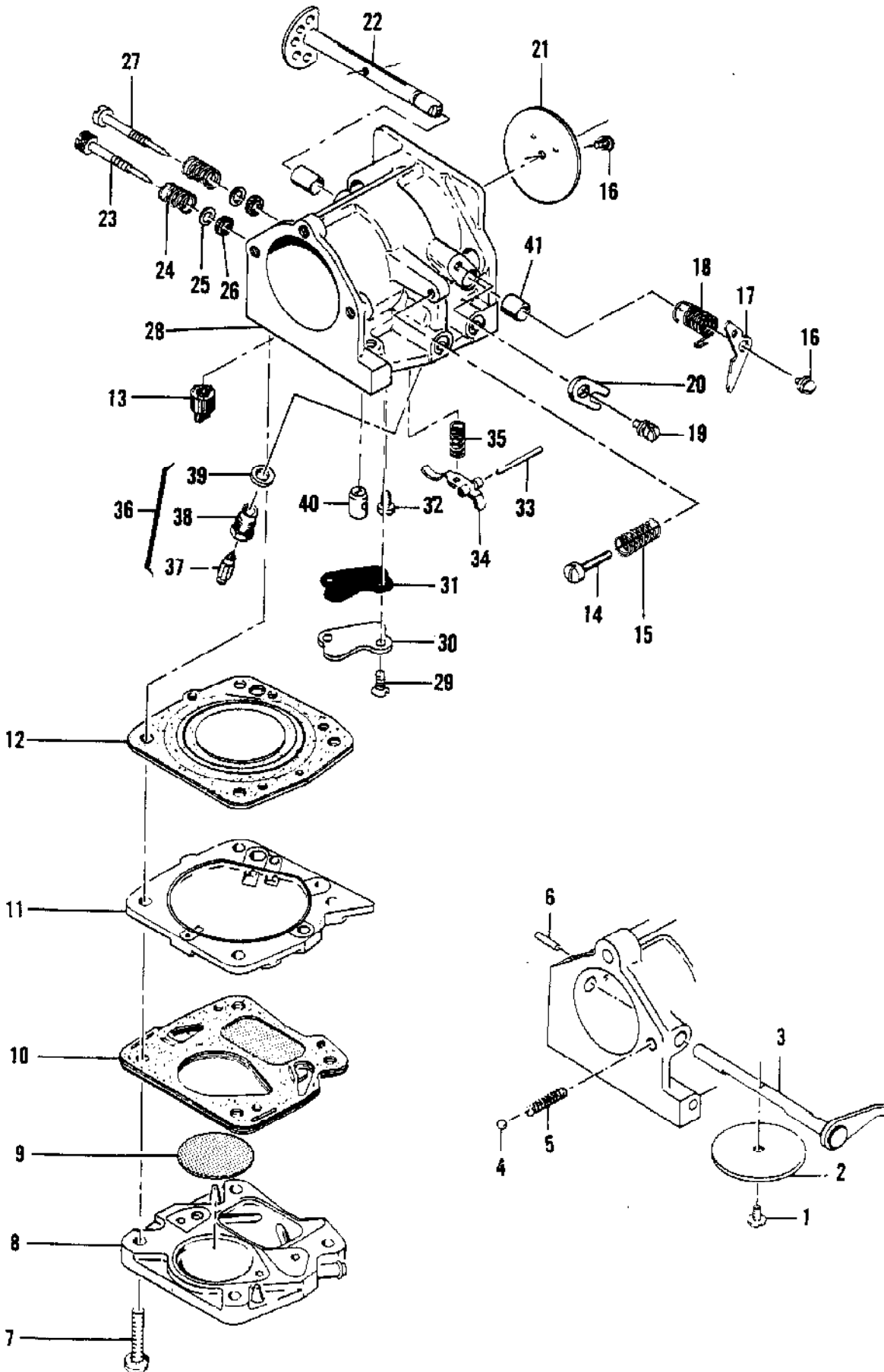
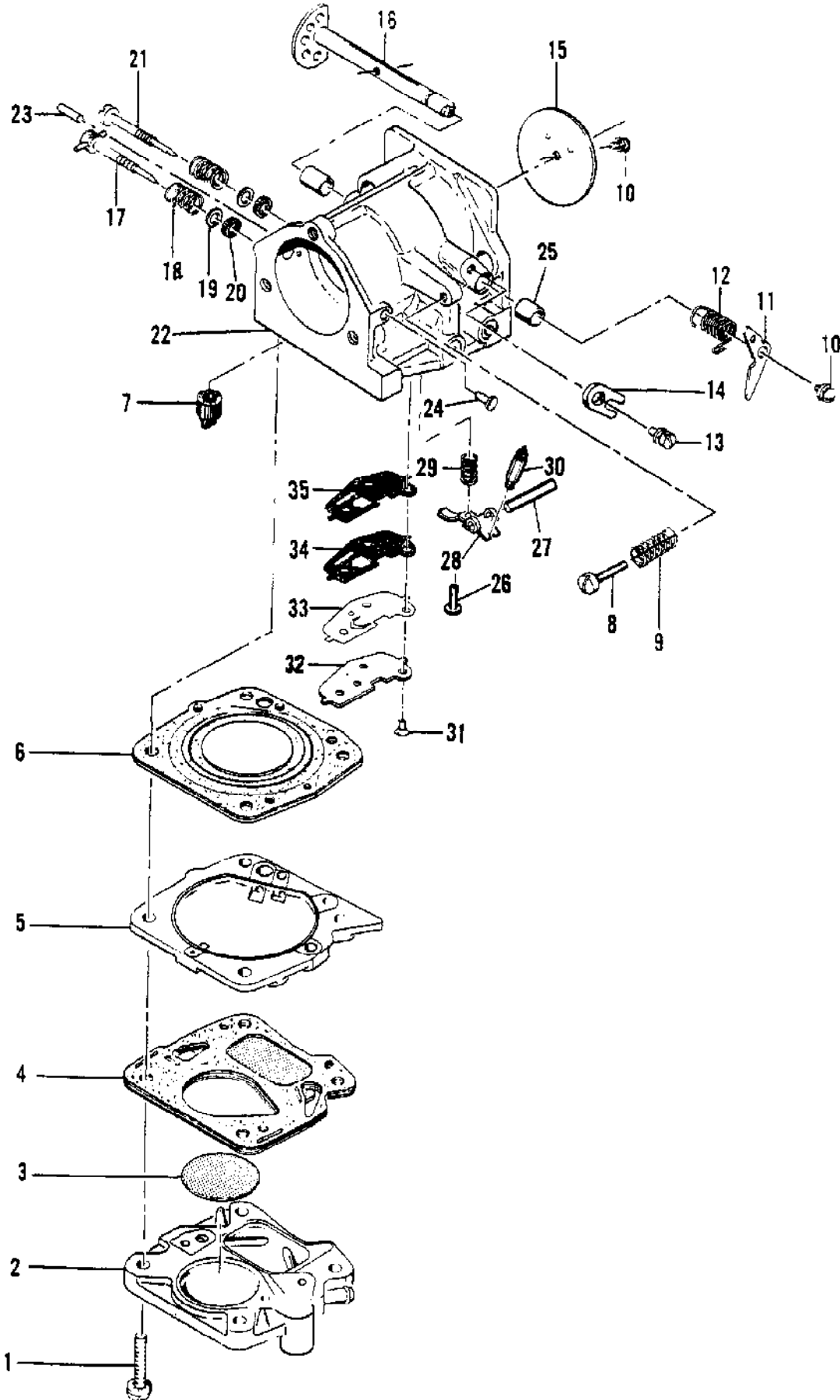


No  
Diagram  
Available  
  
Parts List  
Only

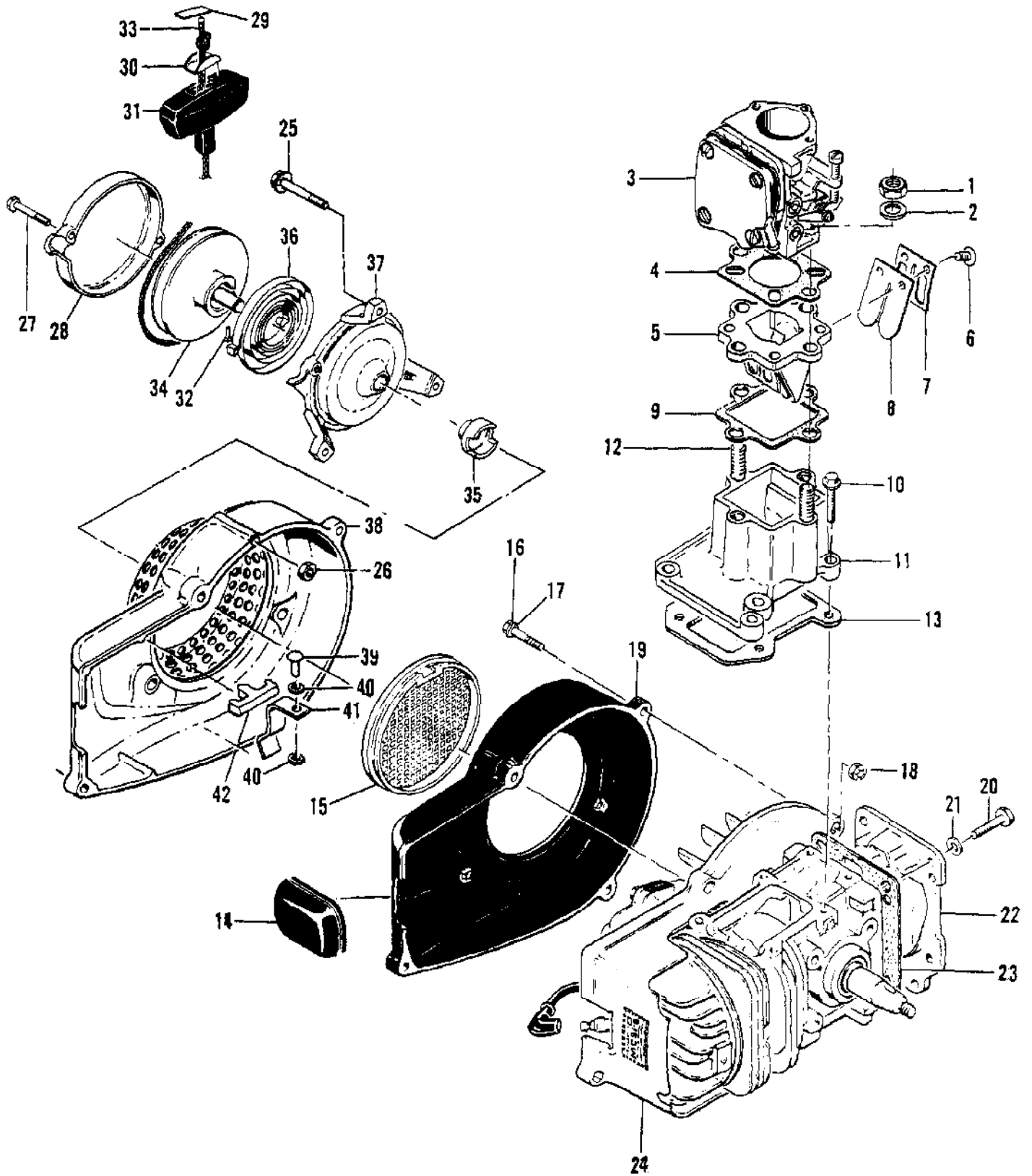
| Ref # | Part Number | Qty | Description                                      |
|-------|-------------|-----|--|
|       | 68899       |     | Piston Assy - 0.005 in. oversize                 |
|       | 66790       |     | Ring Set - Piston 0.005 in. oversize             |
|       | 68897       |     | Piston Assy - 0.010 in. oversize                 |
|       | 47768       |     | Ring set - Piston 0.010 in. oversize             |
|       | 13639A      |     | Clutch, Drum, Bearing & Sprocket Assy - 10 tooth |
|       | 60315       |     | Clutch Assy                                      |
|       | 48736A      |     | Drum, Bearing & Sprocket Assy - 10 tooth         |
|       | 104460      |     | Bearing - Needle                                 |
|       | 48737       |     | Spacer - Sprocket                                |
|       | 13638A      |     | Clutch, Drum, Bearing & Sprocket Assy - 11 tooth |
|       | 60315       |     | Clutch Assy                                      |
|       | 48734A      |     | Drum, Bearing & Sprocket Assy - 11 tooth         |
|       | 104460      |     | Bearing - Needle                                 |
|       | 48737       |     | Spacer, Sprocket                                 |
|       | 13637A      |     | Clutch, Drum, Bearing & Sprocket Assy - 12 tooth |
|       | 60315       |     | Clutch Assy                                      |
|       | 48714A      |     | Drum, Bearing & Sprocket Assy - 12 tooth         |
|       | 104460      |     | Bearing - Needle                                 |
|       | 48737       |     | Spacer - Sprocket                                |
|       | 48637       |     | Sprocket - 10 tooth                              |
|       | 48638       |     | Sprocket - 11 tooth                              |
|       | 48639       |     | Sprocket - 12 tooth                              |
|       | 48711D      |     | Kit - Rewind starter                             |
|       | 48662       |     | Kit - Engine mounting stud                       |
|       | 68047       |     | Kit - Piston pin & bearing tool                  |
|       | 68959       |     | Kit - Tuned exhaust (vertical)                   |
|       | 68960       |     | Kit - Tuned exhaust (horizontal)                 |
|       | 65712       |     | Guide - Timing                                   |
|       | 48609       |     | Header - Exhaust                                 |
|       | 66793       |     | Decal - McCulloch powered                        |
|       | 66794       |     | Decal - McCulloch                                |
|       | 65946       |     | Manual - Kart engine                             |



| Ref # | Part Number | Qty | Description                       |
|-------|-------------|-----|-----------------------------------|
|       | 68886       | 1   | Carburetor Assy                   |
|       | 82894       | 1   | Carburetor Assy                   |
| 1     | 104814      | 1   | Screw - Pan hd 4-40 x 1/4 (SEMS)  |
| 2     | 65934       | 1   | Plate - Choke                     |
| 3     | 82893       | 1   | Shaft Assy - Choke                |
| 4     | 100071      | 1   | Ball - Choke detent               |
| 5     | 52930       | 1   | Spring - Choke detent             |
| 6     | 101796      | 1   | Pin - Groove                      |
| 7     | 104520      | 4   | Screw - Pan hd 10-24 x 7/8 (SEMS) |
| 8     | 69169       | 1   | Body - Fuel pump                  |
| 9     | 48911       | 1   | Filter - Fuel                     |
| 10    | 57274B      | 1   | Diaphragm - Fuel pump             |
| 11    | 69170       | 1   | Plate - Diaphragm                 |
| 12    | 66092       | 1   | Diaphragm - Carburetor            |
| 13    | 53766A      | 1   | Valve - Check                     |
| 14    | 62910       | 1   | Screw - Idle speed                |
|       | 55397       | 1   | Screw - Idle speed                |
| 15    | 51705       | 1   | Spring - Idle screw               |
| 16    | 104814      | 2   | Screw - Pan hd 4-40 x 1/4 (SEMS)  |
| 17    | 50701A      | 1   | Arm - Throttle shaft              |
| 18    | 65935       | 1   | Spring - Throttle return          |
| 19    | 110055      | 1   | Screw - Fil hd 8-32 x 3/8 (SEMS)  |
| 20    | 55082       | 1   | Clip - Shaft                      |
| 21    | 65934       | 1   | Plate - Throttle                  |
| 22    | 65932       | 1   | Shaft Assy - Throttle             |
| 23    | 68893       | 1   | Needle - Main adjustment          |
| 24    | 52936       | 2   | Spring - Needle                   |
| 25    | 52937       | 2   | Washer - Packing                  |
| 26    | 52938       | 2   | Packing - Needle                  |
| 27    | 67264       | 1   | Needle - Idle adjustment          |
| 28    | 68907       | 1   | Body Assy - Carburetor            |
|       | 69812       | 1   | Body Assy - Carburetor            |
| 29    | 103460      | 2   | Screw - Fl hd 4-40 x 1/4          |
| 30    | 66097       | 1   | Cover - Capillary                 |
| 31    | 66098       | 1   | Gasket - Cover                    |
| 32    | 104728      | 1   | Screw - Bind hd 6-32 x 1/4        |
| 33    | 104305      | 1   | Pin - Lever                       |
| 34    | 55688       | 1   | Lever - Inlet                     |
| 35    | 57172       | 1   | Spring - Lever                    |
| 36    | 60163A      | 1   | Set - Needle and body             |
| 37    | 63038       | 1   | Needle - Valve                    |
| 38    | 58969       | 1   | Body - Valve                      |
| 39    | 55689       | 1   | Washer - Valve                    |
| 40    | 65611       | 1   | Valve Assy - Check                |
|       | 68890       | 1   | Valve Assy - Check                |
| 41    | 55062A      | 2   | Bushing - Shaft                   |

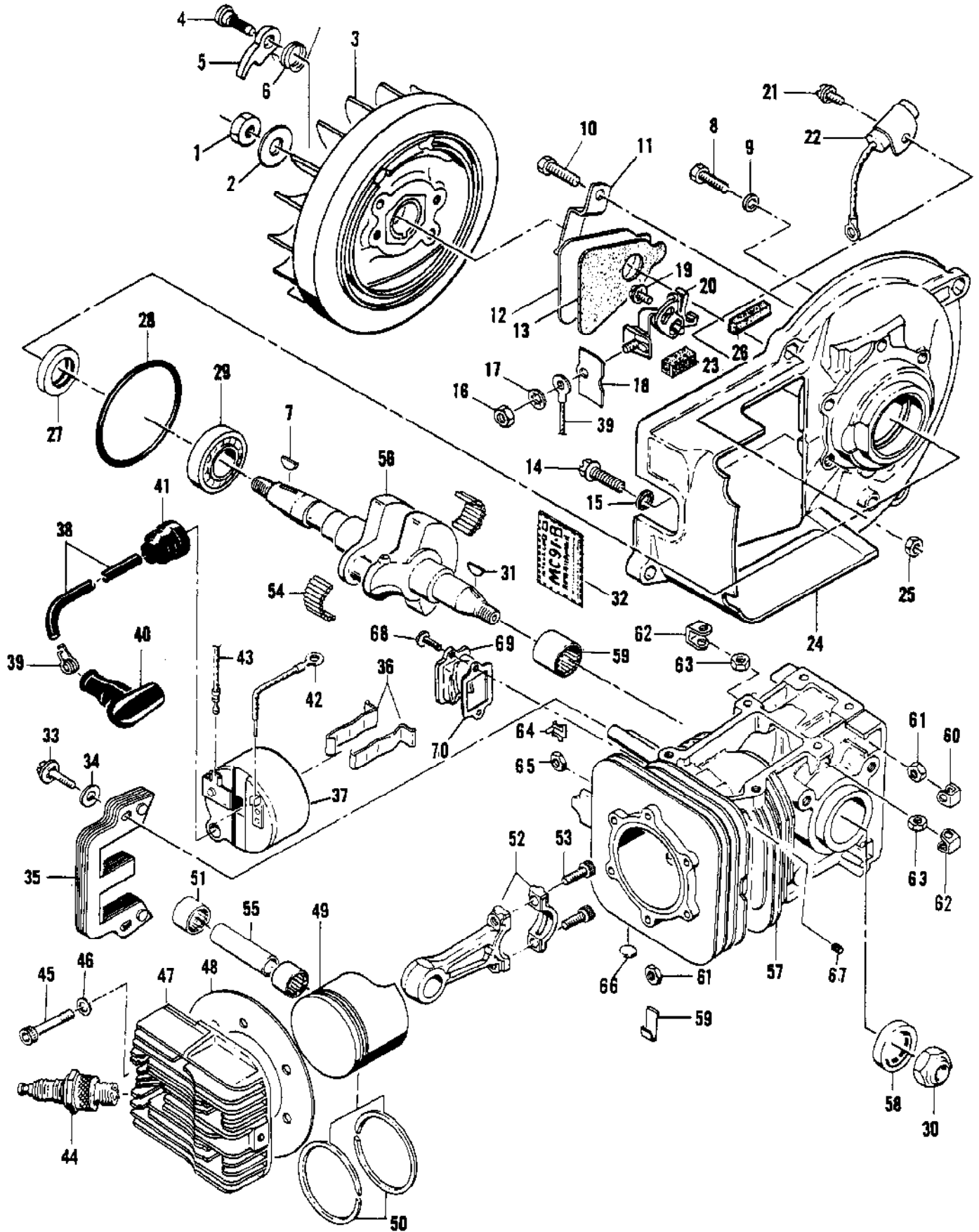


| Ref # | Part Number | Qty | Description                            |
|-------|-------------|-----|--|
|       | 84446       | 1   | Carburetor Assy                        |
| 1     | 104520      | 4   | Screw Assy - Pan hd 10-24 x 7/8 (SEMS) |
| 2     | 84941       | 1   | Body - Fuel pump                       |
| 3     | 48911       | 1   | Filter - Fuel                          |
| 4     | 57274B      | 1   | Diaphragm Assy - Fuel pump             |
| 5     | 69170       | 1   | Plate - Diaphragm                      |
| 6     | 66092       | 1   | Diaphragm - Carburetor                 |
| 7     | 53766A      | 1   | Valve - Check                          |
| 8     | 55397       | 1   | Screw - Idle speed                     |
| 9     | 51705       | 1   | Spring - Idle screw                    |
| 10    | 104814      | 2   | Screw - Pan hd 4-40 x 1/4 (SEMS)       |
| 11    | 50701A      | 1   | Arm - Throttle shaft                   |
| 12    | 65935       | 1   | Spring - Throttle return               |
| 13    | 110055      | 1   | Screw - Fil hd 8-32 x 3/8 (SEMS)       |
| 14    | 55082       | 1   | Clip - Throttle shaft                  |
| 15    | 65934       | 1   | Plate - Throttle                       |
| 16    | 65932       | 1   | Shaft Assy - Throttle                  |
| 17    | 84940       | 1   | Needle Assy - High speed adjustment    |
| 18    | 67502       | 2   | Spring - Needle                        |
| 19    | 52937       | 2   | Washer - Packing                       |
| 20    | 52938       | 2   | Ring - Packing                         |
| 21    | 84939       | 1   | Needle - Idle adjustment               |
| 22    | 84947       | 1   | Body Assy - Carburetor                 |
| 23    | 101796      | 1   | Pin - Choke plate                      |
| 24    | 48827       | 2   | Plug - Choke shaft bore                |
| 25    | 55062A      | 2   | Bushing - Body                         |
| 26    | 104728      | 1   | Screw - Lever pin                      |
| 27    | 104305      | 1   | Pin - Lever                            |
| 28    | 84317       | 1   | Lever - Inlet                          |
| 29    | 57172       | 1   | Spring - Lever                         |
| 30    | 83753       | 1   | Needle - Inlet valve                   |
| 31    | 84942       | 3   | Screw - Circuit plate                  |
| 32    | 84938       | 1   | Plate - Circuit                        |
| 33    | 84944       | 1   | Diaphragm - Check valve                |
| 34    | 84945       | 1   | Gasket - Circuit plate                 |
| 35    | 84946       | 1   | Gasket - Circuit plate                 |



| Ref # | Part Number | Qty | Description  |
|-------|-------------|-----|--|
| 1     | 100249      | 2   | Nut - Hex 1/4-28   |
| 2     | 100153      | 2   | Lockwasher - 1/4   |
| 3     |             |     | Carburetor Assy See "Carburetor Assembly" illustrations and parts lists. |
| 4     | 65939       | 1   | Gasket - Carburetor  |
| 5     | 68091       | 1   | Valve Asy - Reed block   |
| 6     | 101987      | 4   | Screw - Rd hd 6-32 x 1/4   |
| 7     | 65904       | 2   | Plate - Clamp  |
| 8     | 68074       | 2   | Valve - Reed   |
| 9     | 65937       | 1   | Gasket - Reed block  |
|       | 68894       | 1   | Gasket - Reed block  |
| 10    | 103947      | 4   | Screw - Hex hd 10-24 x 1 (SEMS)  |
| 11    | 68889       | 1   | Adapter Assy - Carburetor  |
| 12    | 47868       | 2   | Stud - Adapter   |
| 13    | 48516       | 1   | Gasket - Adapter   |
| 14    | 57565       | 1   | Cover Assy - Spark plug  |
| 15    | 55615       | 1   | Guard - Flywheel   |
| 16    | 104815      | 4   | Screw - Hex hd 10-24 x 7/8 (SEMS)  |
|       | 102760      | 4   | Screw - Hex hd 10-24 x 1   |
| 17    | 110264      | 4   | Washer - #10   |
| 18    | 101326      | 2   | Nut - Hex 10-24  |
| 19    | 68989       | 1   | Fan Housing  |
| 20    | 101982      | 4   | Screw - Hex hd 1/4-20 x 1  |
| 21    | 13643       | 4   | Washer - Special   |
| 22    | 67254       | 1   | Cover - Crankcase bottom   |
| 23    | 65578       | 1   | Gasket - Cover   |
| 24    |             |     | Powerhead Assy See "Powerhead Assembly" illustration and parts list      |
| 25    | 104815      | 3   | Screw - Hex hd 10-24 x 7/8 (SEMS)  |
| 26    | 101191      | 3   | Nut - Hex 10-24  |
|       | 84211       | 1   | Starter Assy   |
| 27    | 104396      | 2   | Screw - Pan hd 10-24 x 3/4   |
| 28    | 60647       | 1   | Cover - Starter  |
| 29    | 57232       | 1   | Plate - Handle   |
| 30    | 57231       | 1   | Cup - Handle   |
| 31    | 57230       | 1   | Handle - Starter   |
| 32    | 101136      | 1   | Rivet - Rope   |
| 33    | 28716       | 1   | Rope - Starter   |
| 34    | 57792       | 1   | Drum - Starter   |
| 35    | 57790       | 1   | Ratchet - Starter  |
| 36    | 51665       | 1   | Spring - Rewind  |
| 37    | 84212       | 1   | Base - Starter   |
| 38    | 69819       | 1   | Fan Housing Assy   |
| 39    | 103819      | 1   | Rivet  |
| 40    | 24236       | 2   | Washer - Special   |
| 41    | 50818       | 1   | Spring   |
| 42    | 50817       | 1   | Button - Stop switch   |





| Ref # | Part Number | Qty | Description                       |
|-------|-------------|-----|-----------------------------------|
| 1     | 101179      | 1   | Nut - Hex 7/16-20                 |
| 2     | 101270      | 1   | Washer - 7/16                     |
| 3     | 68280       | 1   | Flywheel Assy                     |
|       | 68282       | 1   | Flywheel & Pawl Assy              |
| 4     | 36144B      | 2   | Pin - Starter pawl                |
| 5     | 24093       | 2   | Pawl - Starter                    |
| 6     | 50582       | 2   | Spring - Pawl                     |
| 7     | 103879      | 1   | Key - Woodruff                    |
| 8     | 102289      | 3   | Screw - Hex hd 10-24 x 3/4        |
| 9     | 102189      | 3   | Washer - #10                      |
| 10    | 104815      | 1   | Screw - Hex hd 10-24 x 7/8 (SEMS) |
| 11    | 50671       | 1   | Retainer - Breaker box cover      |
| 12    | 50588A      | 1   | Cover - Breaker box               |
| 13    | 65584       | 1   | Gasket - Breaker box              |
| 14    | 55494       | 2   | Screw Assy - Sealing              |
| 15    | 55492       | 2   | Washer - Sealing                  |
| 16    | 100251      | 1   | Nut - Hex 8-32                    |
| 17    | 100057      | 1   | Lockwasher - #8                   |
| 18    | 50381A      | 1   | Insulator - Breaker terminal      |
| 19    | 103672      | 1   | Screw - Fil hd 8-32 x 1/2 (SEMS)  |
| 20    | 50076A      | 1   | Breaker Assy                      |
| 21    | 103672      | 1   | Screw - Fil hd 8-32 x 1/2 (SEMS)  |
| 22    | 50074       | 1   | Condenser                         |
|       | 61650       | 1   | Condenser                         |
| 23    | 50664       | 1   | Felt - Breaker box                |
| 24    | 57126A      | 1   | Cover - Crankcase                 |
| 25    | 101326      | 2   | Nut - Hex 10-24                   |
| 26    | 54184       | 1   | Wiper - Felt                      |
| 27    | 50663       | 1   | Seal - Oil                        |
| 28    | 104523      | 1   | "O" Ring                          |
| 29    | 100824      | 1   | Bearing, Ball                     |
| 30    | 103746      | 1   | Locknut - Hex 3/8-24              |
| 31    | 103879      | 1   | Key - Woodruff                    |
| 32    | 65927       | 1   | Nameplate                         |
|       | 68900       | 1   | Nameplate                         |
|       | 84705       | 1   | Nameplate                         |
| 33    | 104815      | 2   | Screw - Hex hd 10-24 x 7/8 (SEMS) |
| 34    | 100352      | 2   | Washer - #10                      |
| 35    | 51251       | 1   | Lamination Assy                   |
| 36    | 51253       | 2   | Retainer - Coil                   |
| 37    | 57643A      | 1   | Kit-Coil                          |
| 38    | 50120       | 1   | Wire Assy - Spark plug            |
| 39    | 55061       | 1   | Connector                         |
| 40    | 55060       | 1   | Boot                              |
| 41    | 55617       | 1   | Nipple                            |
| 42    | 101883      | 1   | Wire Assy - Ground                |
| 43    | 57225       | 1   | Wire Assy - Primary               |
| 44    | 83563       | 1   | Spark Plug - 14 mm - 0.375 reach  |
|       | 84536       | 1   | Spark Plug - 14 mm - 0.472 reach  |
| 45    | 104534      | 6   | Screw - Skt hd 10-24 x 1-13/32    |
| 46    | 24236       | 6   | Washer - Special                  |
| 47    | 63895       | 1   | Head - Cylinder                   |
|       | 84441       | 1   | Head - Cylinder                   |
| 48    | 65577       | 1   | Gasket - Cylinder head            |
|       | 69760       | 1   | Gasket - Cylinder head            |

| Ref # | Part Number | Qty | Description                    |
|-------|-------------|-----|--------------------------------|
| 49    | 68898       | 1   | Piston Assy                    |
| 50    | 47767       | 1   | Ring Set - Piston              |
| 51    | 101206      | 2   | Bearing - Needle               |
|       | 104519      | 2   | Bearing - Needle               |
| 52    | 47903       | 1   | Connecting Rod Assy            |
| 53    | 60210A      | 2   | Screw - Skt hd special         |
| 54    | 69891       | 24  | Roller - Needle                |
| 55    | 62831       | 1   | Pin - Piston                   |
|       | 69408       | 1   | Pin - Piston                   |
| 56    | 48586C      | 1   | Crankshaft                     |
| 57    | 65913       | 1   | Crankcase Assy                 |
|       | 68901       | 1   | Crankcase Assy                 |
|       | 84325       | 1   | Crankcase Assy                 |
| 58    | 104128      | 1   | Seal - Oil                     |
|       | 81949       | 1   | Seal - Oil                     |
| 59    | 104858      | 1   | Bearing - Needle               |
| 60    | 18556A      | 4   | Retainer - Nut                 |
| 61    | 101143      | 4   | Nut - Hex 1/4-20               |
| 62    | 28053       | 2   | Retainer - Nut                 |
| 63    | 57063       | 4   | Retainer - Nut                 |
| 64    | 104255      | 2   | Retainer - Nut                 |
| 65    | 101326      | 8   | Nut - Hex 10-24                |
| 66    | 110179      | 3   | Plug - Expansion 1/2 in.       |
| 67    | 83374       | 2   | Insert - Taplok                |
| 68    | 110196      | 2   | Screw - Pan hd 8-32 x 7/16 s/t |
| 69    | 65917       | 1   | Cover - Boost port             |
| 70    | 68924       | 1   | Gasket - Port cover            |