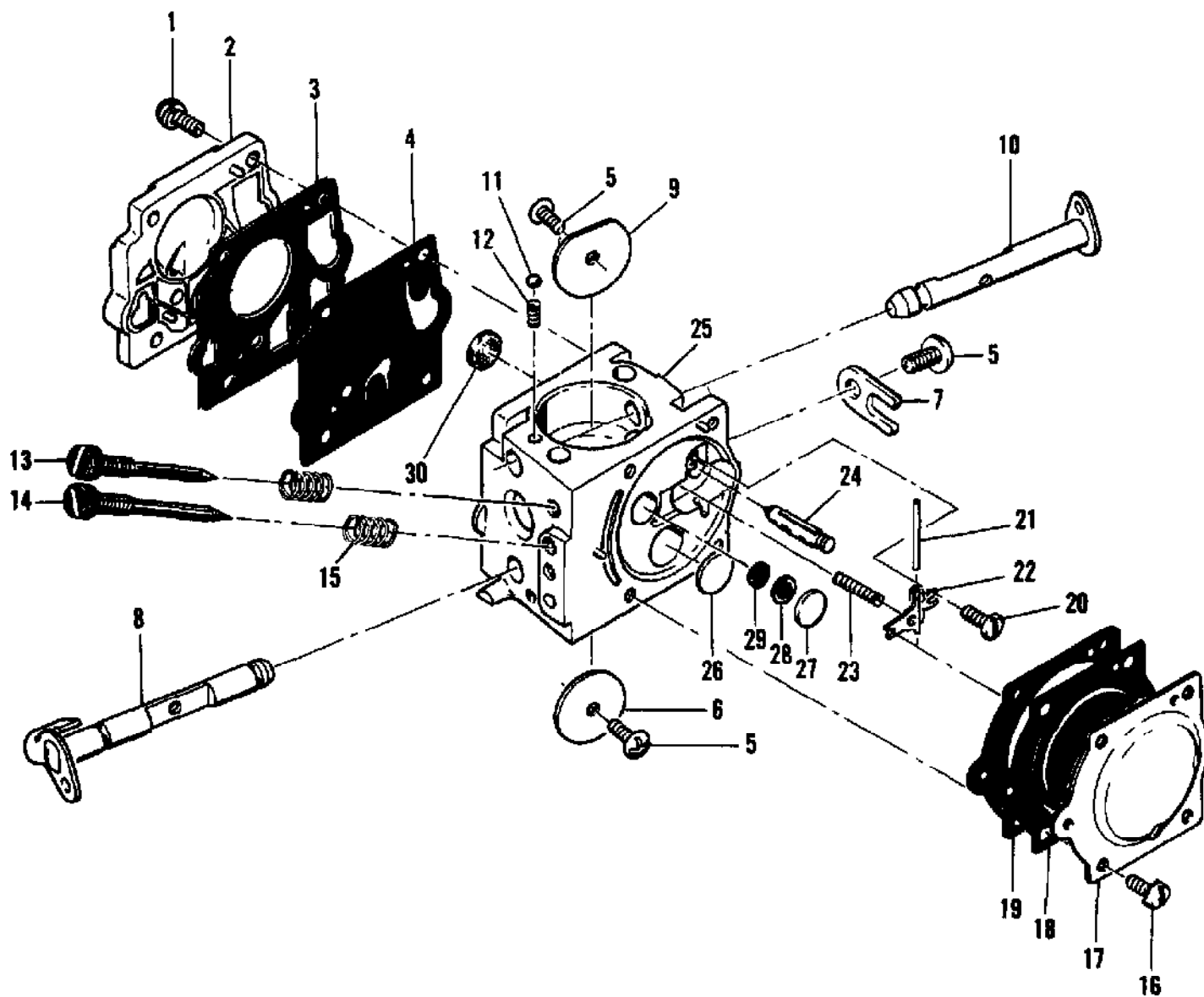


# No Diagram Available

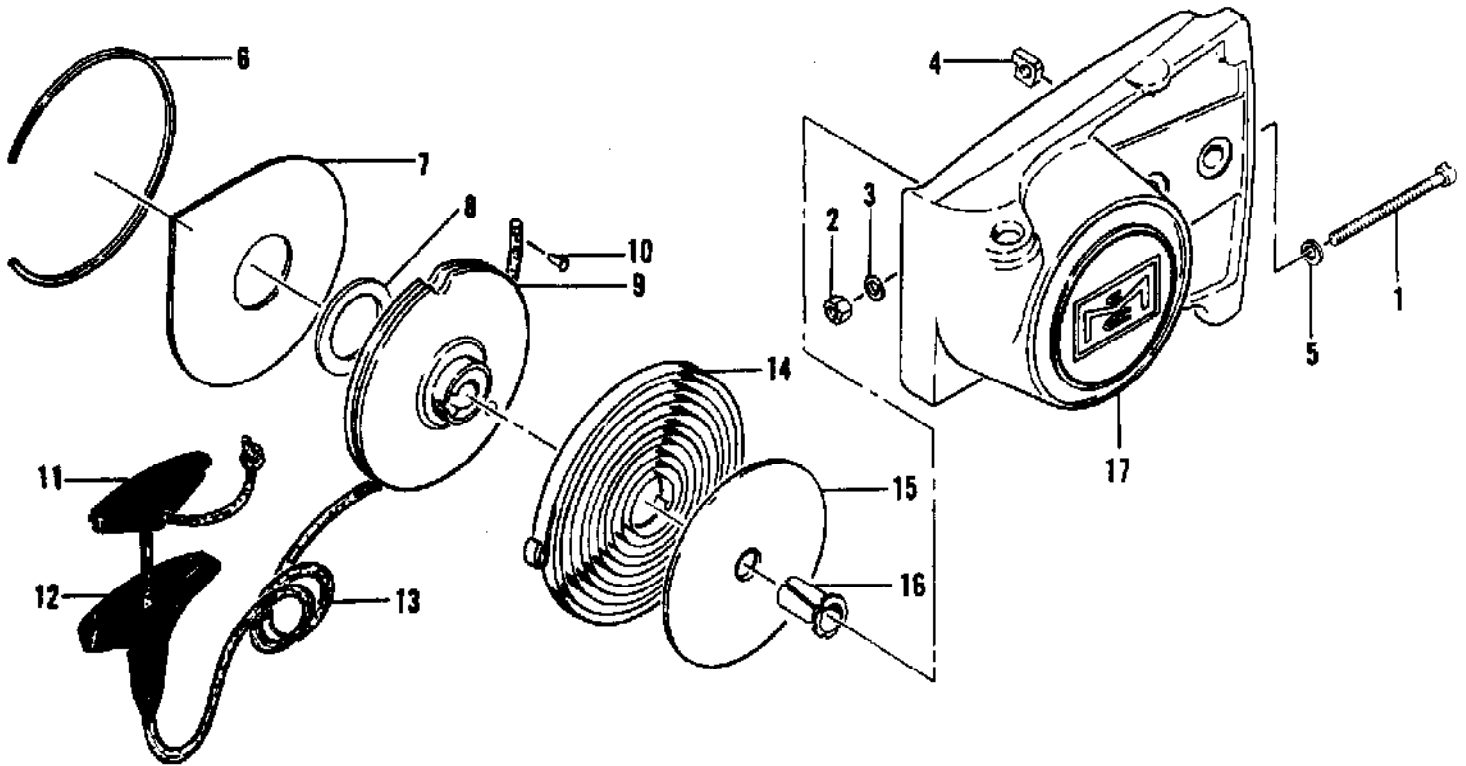
  

# Parts List Only

| Ref # | Part Number | Qty | Description                          |
|-------|-------------|-----|--------------------------------------|
|       | 83434       |     | Manual - Owner's                     |
|       | 63084       |     | Manual - Shop                        |
|       | 62827       |     | Wrench                               |
|       | 63341A      |     | Kit - Spike                          |
|       | 66316       |     | Kit - Wrap-around frame              |
|       | 63746       |     | Kit - Wrench                         |
|       | 65325       |     | Baffle - Spark arrester              |
|       | 64330       | 2   | Plate Set - Bar protector            |
|       | 67098       |     | Charger Assy - Battery               |
|       | 63432       |     | Spark Plug - AC CS42T                |
|       | 69191       |     | Kit - Pressure adapter               |
|       | 65778       |     | Spark Plug - AC CS41T                |
|       | 69210       |     | Piston Assy 0.020 m. oversize        |
|       | 62813       |     | Ring Set - Piston 0.020 in. oversize |
|       | 103512      | 2   | Bearing - Needle                     |
|       | 69211       |     | Piston Assy - 0.030 m. oversize      |
|       | 62812       |     | Ring Set - Piston 0.030 in. oversize |
|       | 103512      | 2   | Bearing - Needle                     |

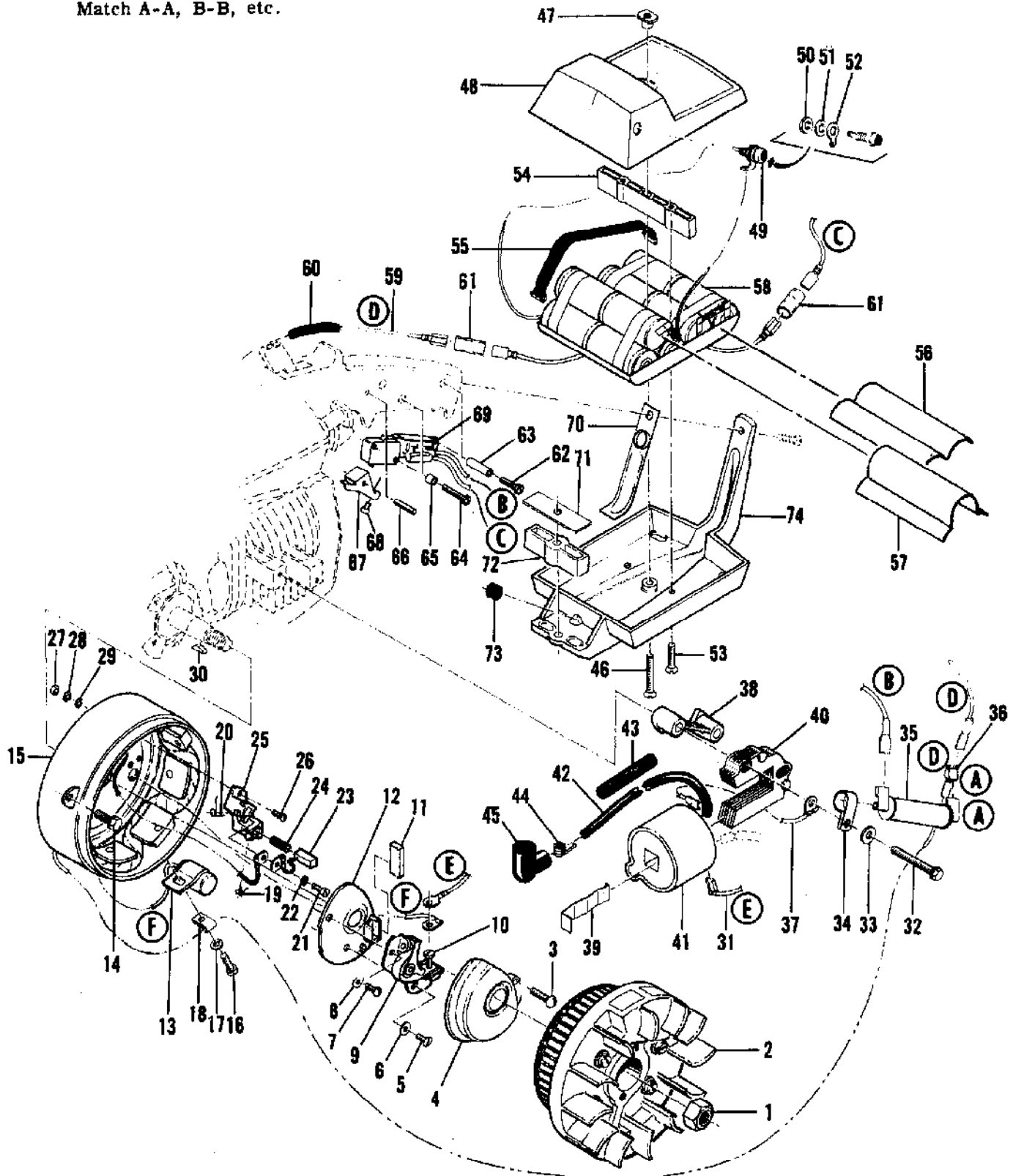


| Ref # | Part Number | Qty | Description             |
|-------|-------------|-----|-------------------------|
|       | 83249       |     | Carburetor Assy         |
| 1     | 67501       | 4   | Screw - Pump cover      |
| 2     | 83760       | 1   | Cover - Pump            |
| 3     | 67495       | 1   | Gasket - Cover          |
| 4     | 83114       | 1   | Diaphragm - Fuel pump   |
| 5     | 47690       | 3   | Screw - Plate           |
| 6     | 67487       | 1   | Plate - Throttle        |
| 7     | 67489       | 1   | Clip - Shaft            |
| 8     | 67486       | 1   | Shaft Assy - Throttle   |
| 9     | 67490       | 1   | Plate - Choke           |
| 10    | 67488       | 1   | Shaft - Choke           |
| 11    | 100302      | 1   | Ball - Choke friction   |
| 12    | 67504       | 1   | Spring - Choke          |
| 13    | 83770       | 1   | Needle - High speed     |
| 14    | 83771       | 1   | Needle - Idle           |
| 15    | 67502       | 2   | Spring - Needle         |
| 16    | 70798       | 4   | Screw - Diaphragm cover |
| 17    | 83761       | 1   | Cover - Diaphragm       |
| 18    | 61499       | 1   | Diaphragm - Metering    |
| 19    | 67496       | 1   | Gasket - Diaphragm      |
| 20    | 67500       | 1   | Screw - Lever pin       |
| 21    | 67508       | 1   | Pin - Lever             |
| 22    | 67509       | 1   | Lever - Metering        |
| 23    | 67503       | 1   | Spring - Lever          |
| 24    | 67491       | 1   | Valve - Needle          |
| 25    | 83769       | 1   | Body Assy - Carburetor  |
| 26    | 71690       | 1   | Plug - 3/8              |
| 27    | 69506       | 1   | Plug - 5/16             |
| 28    | 69203       | 1   | Seat Assy               |
| 29    | 69204       | 1   | Valve                   |
| 30    | 67507       | 1   | Screen - Fuel           |
|       | 67482       |     | Gasket Set              |
|       | 83772       |     | Repair Kit              |



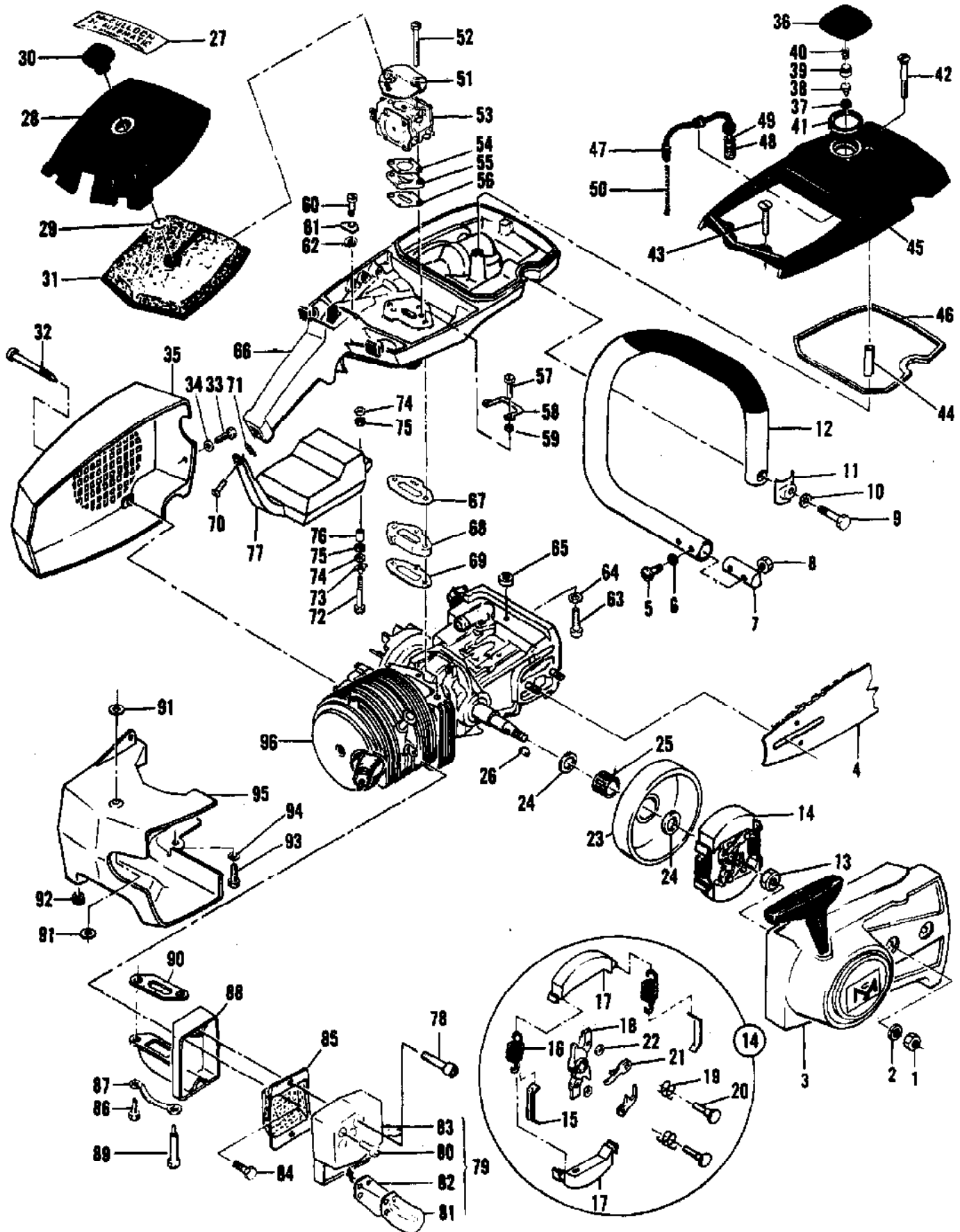
| Ref # | Part Number | Qty | Description           |
|-------|-------------|-----|-----------------------|
|       | 67206       | 1   | Clutch Guard Assy     |
| 1     | 102144      | 1   | Screw - Bar adjusting |
| 2     | 102067      | 1   | Nut - Hex 10-24       |
| 3     | 110387      | 1   | Washer - Wave         |
| 4     | 61705       | 1   | Nut - Bar adjusting   |
| 5     | 110264      | 1   | Washer - #10          |
| 6     | 67205       | 1   | Retainer - Shield     |
| 7     | 63985       | 1   | Shield - Dust         |
| 8     | 63986       | 1   | Washer - Thrust       |
| 9     | 68695       | 1   | Drum - Starter        |
| 10    | 110470      | 1   | Rivet - Starter rope  |
| 11    | 62191A      | 1   | Insert - Handle       |
| 12    | 62190A      | 1   | Handle - Starter      |
| 13    | 69964       | 1   | Rope - Starter        |
| 14    | 68626       | 1   | Spring - Rewind       |
| 15    | 63987       | 1   | Shield - Spring       |
| 16    | 61635A      | 1   | Bushing - Nyliner     |
| 17    | 67207       | 1   | Guard - Clutch        |

Wire continuity shown by letters.  
Match A-A, B-B, etc.



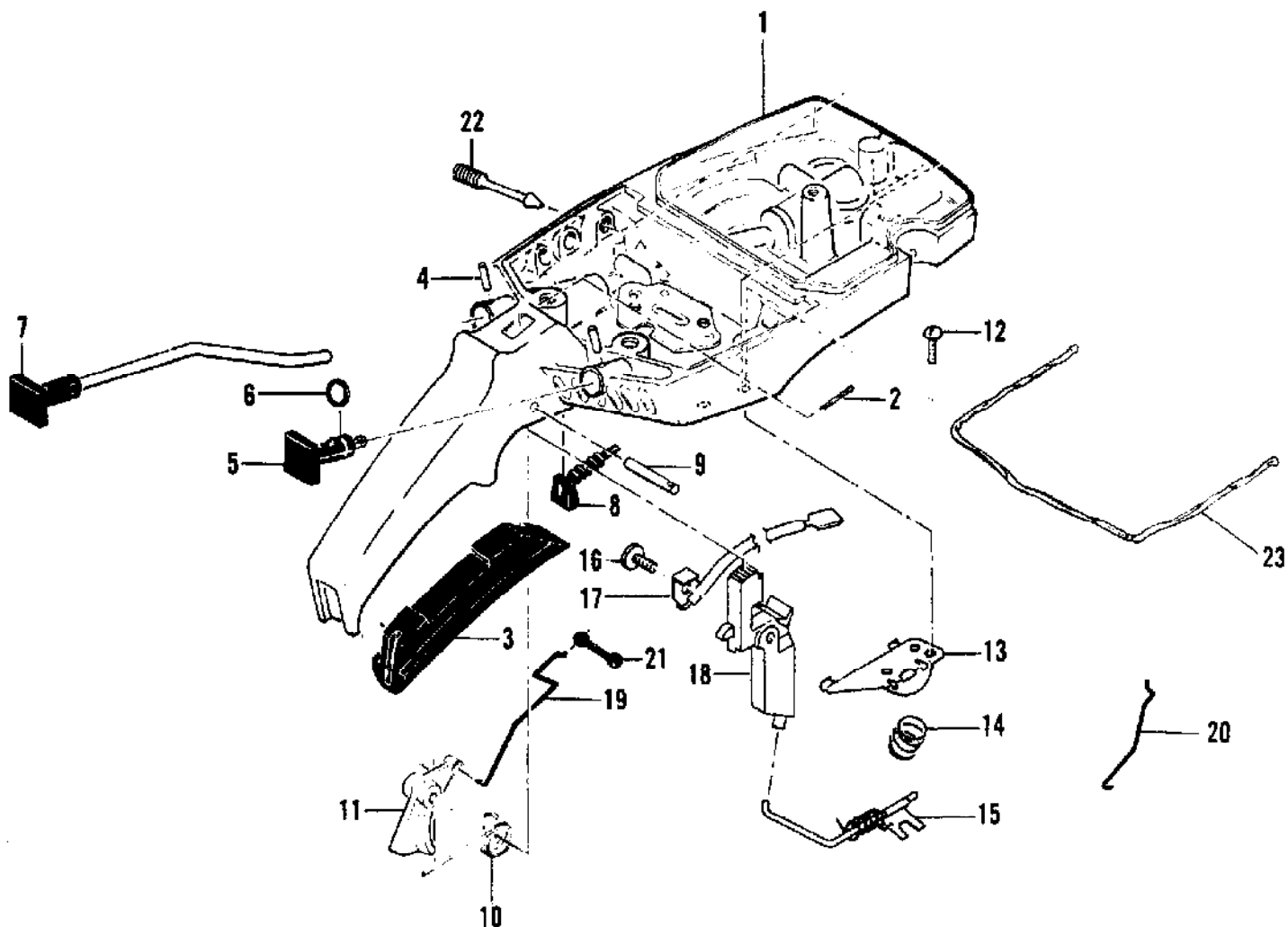
| Ref # | Part Number | Qty | Description                  |
|-------|-------------|-----|------------------------------|
| 1     | 110594      | 1   | Nut - Hex 3/8-24             |
| 2     | 65995       | 1   | Armature & Flywheel Assy     |
| 3     | 110560      | 1   | Screw - Rd hd 8-32 x 5/8     |
| 4     | 65415       | 1   | Top - Breaker box            |
| 5     | 110559      | 1   | Screw - Tr hd 8-32 x 1/2     |
| 6     | 105976      | 1   | Washer - #8                  |
| 7     | 100690      | 1   | Screw - Rd hd 8-32 x 1/2     |
| 8     | 100080      | 1   | Washer #8                    |
| 9     | 66231       | 1   | Breaker Assy                 |
| 10    | 110489      | 1   | Screw - Pan hd 6-32 x 7/16   |
| 11    | 54184       | 1   | Wiper                        |
| 12    | 65414       | 1   | Base - Breaker points        |
| 13    | 64624       | 1   | Condenser                    |
| 14    | 110446      | 2   | Screw - Hex hd 10-24 x 3/4   |
| 15    | 65996       | 1   | Housing Assy - Field coil    |
| 16    | 66005       | 1   | Screw - Fil hd 8-32 x 5/16   |
| 17    | 105464      | 1   | Lockwasher - #8              |
| 18    | 66004       | 1   | Clamp                        |
| 19    | 66777       | 1   | Spring - Brush clip          |
| 20    | 66776       | 1   | Spring - Brush clip          |
| 21    | 65997       | 2   | Screw - Fil hd 5-40 x 1/4    |
| 22    | 65998       | 2   | Lockwasher - #5              |
| 23    | 65999       | 2   | Brush                        |
| 24    | 66003       | 2   | Spring - Brush               |
| 25    | 66778       | 1   | Kit - Brush holder           |
| 26    | 66007       | 2   | Screw                        |
| 27    | 66009       | 2   | Nut                          |
| 28    | 66008       | 2   | Lockwasher                   |
| 29    | 66162       | 2   | Washer                       |
| 30    | 103879      | 1   | Key - Woodruff               |
| 31    | 64609       | 1   | Wire Assy - Primary          |
| 32    | 110450      | 2   | Screw - Hex hd 10-24 x 1-5/8 |
| 33    | 100003      | 2   | Washer - #10                 |
| 34    | 65517       | 2   | Clamp - Mounting             |
| 35    | 65518       | 1   | Resistor                     |
| 36    | 110478      | 1   | Terminal - Wire              |
| 37    | 62819       | 1   | Wire Assy - Ground           |
| 38    | 64653       | 1   | Spacer - Coil                |
| 39    | 51253       | 1   | Retainer - Coil              |
| 40    | 68164       | 1   | Lamination Assy              |
| 41    | 69798       | 1   | Coil & Terminal Assy         |
| 42    | 69966       | 1   | Wire Assy - Spark plug       |
| 43    | 67127       | 1   | Sleeve - Wire Assy           |
| 44    | 62932       | 1   | Connector                    |
| 45    | 62926       | 1   | Boot - Spark plug            |
| 46    | 110480      | 1   | Screw - Fl hd 8-32 x 1-3/8   |
| 47    | 65319       | 1   | Insert - Cover               |
| 48    | 65470       | 1   | Cover - Battery box          |
| 49    | 65567       | 1   | Phono Jack                   |
| 50    | 65876       | 1   | Nut                          |
| 51    | 65875       | 1   | Washer                       |
| 52    | 65877       | 1   | Terminal                     |
| 53    | 100403      | 2   | Screw - Fl hd 8-32 x 1       |
| 54    | 66234       | 1   | Spacer - Battery             |
| 55    | 65501       | 2   | Strap Assy - Battery         |

| Ref # | Part Number | Qty | Description                         |
|-------|-------------|-----|-------------------------------------|
| 56    | 69916       | 1   | Support - Battery                   |
| 57    | 69917       | 1   | Support - Battery                   |
| 58    | 66161       | 1   | Battery Assy                        |
| 59    | 65541       | 1   | Wire Assy - Battery to resistor     |
| 60    | 80975       | 1   | Sleeve - Wire Assy                  |
| 61    | 65306       | 2   | Sleeve - Wire terminal              |
| 62    | 110462      | 1   | Screw - Pan hd 4-40 x 11/16         |
| 63    | 64874       | 1   | Spacer - Long                       |
| 64    | 110463      | 2   | Screw - Pan hd 4-40 x 13/16         |
| 65    | 64873       | 2   | Spacer - Short                      |
| 66    | 110451      | 1   | Pin - Roll                          |
| 67    | 64681       | 1   | Actuator                            |
| 68    | 110477      | 1   | Screw - Actuator pan hd 6-32 x 3/16 |
| 69    | 68145       | 1   | Switch - Regulator Assy             |
| 70    | 64727       | 1   | Strip - Handle brace                |
| 71    | 65512       | 1   | Insulator - Shroud                  |
| 72    | 66206       | 1   | Spacer - Handle                     |
| 73    | 101230      | 1   | Grommet - Handle brace              |
| 74    | 69920       | 1   | Brace - Handle                      |

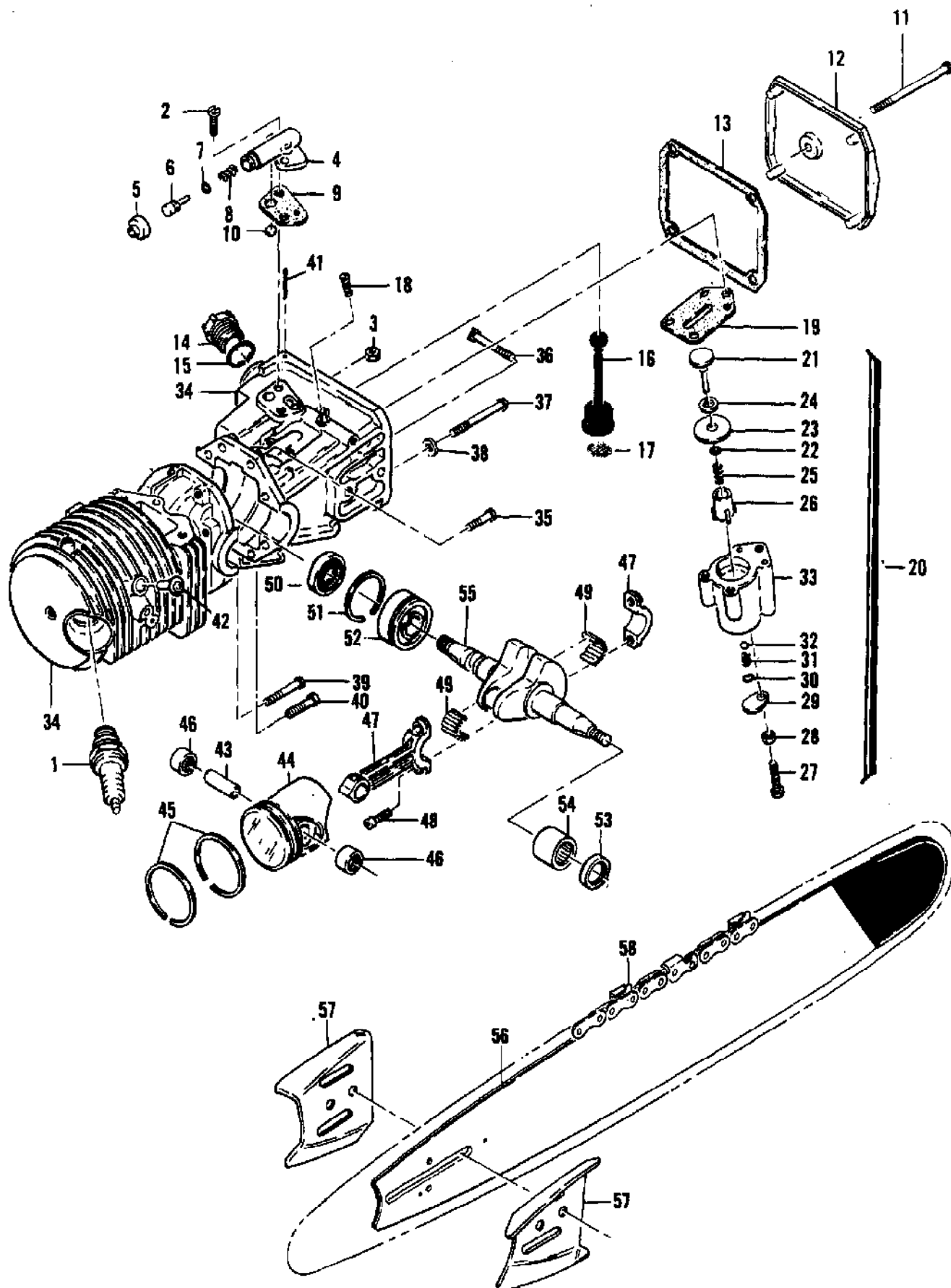


| Ref # | Part Number | Qty | Description                                                                                      |
|-------|-------------|-----|--------------------------------------------------------------------------------------------------|
| 1     | 110454      | 2   | Nut - Hex 5/16-24                                                                                |
| 2     | 100440      | 2   | Washer - 5/16                                                                                    |
| 3     |             |     | Clutch Guard & Starter Assy See "Clutch Guard And Starter Assembly" illustration and parts list. |
| 4     |             |     | Bar & Chain See "Powerhead Assembly" illustration and parts list.                                |
| 5     | 102761      | 2   | Screw - Hex hd 10-24 x 7/8                                                                       |
| 6     | 100352      | 2   | Washer - #10                                                                                     |
| 7     | 61678       | 1   | Plug - Nut retainer                                                                              |
| 8     | 101326      | 2   | Nut - Hex 10-24                                                                                  |
| 9     | 102130      | 1   | Screw - Hex 1/4-20 x 1-1/2                                                                       |
| 10    | 100153      | 1   | Lockwasher - 1/4                                                                                 |
| 11    | 63484       | 1   | Clamp - Frame                                                                                    |
| 12    | 66315       | 1   | Frame & Grip Assy                                                                                |
| 13    | 110594      | 1   | Nut - Hex 3/8-24                                                                                 |
| 14    | 83224       | 1   | Clutch Assy                                                                                      |
| 15    | 64583       | 2   | Retainer                                                                                         |
| 16    | 83223       | 2   | Spring - Clutch                                                                                  |
| 17    | 67233       | 2   | Shoe - Clutch                                                                                    |
| 18    | 67149       | 1   | Rotor Assy                                                                                       |
| 19    | 68837       | 2   | Spring - Pawl                                                                                    |
| 20    | 67112       | 2   | Rivet                                                                                            |
| 21    | 64857       | 2   | Pawl                                                                                             |
| 22    | 65473       | 2   | Washer - Special                                                                                 |
| 23    | 65370       | 1   | Kit - Sprocket & Drum Assy                                                                       |
| 24    | 61692       | 2   | Shim                                                                                             |
| 25    | 110330      | 1   | Bearing                                                                                          |
| 26    | 103879      | 1   | Key - Woodruff                                                                                   |
| 27    | 69912       | 1   | Nameplate                                                                                        |
| 28    | 68530       | 1   | Cover Assy - Air cleaner                                                                         |
| 29    | 110565      | 1   | Ring - Retaining                                                                                 |
| 30    | 68529       | 1   | Knob                                                                                             |
| 31    | 69922       | 1   | Filter - Air                                                                                     |
| 32    | 64626       | 3   | Screw - Special                                                                                  |
| 33    | 105348      | 1   | Screw - 10-24 x 1/2 (SEMS)                                                                       |
| 34    | 110264      | 1   | Washer - #10                                                                                     |
| 35    | 67297       | 1   | Housing - Fan                                                                                    |
| 36    | 68531       | 1   | Cap Assy - Fuel                                                                                  |
| 37    | 68533       | 1   | Plug                                                                                             |
| 38    | 63041       | 1   | Valve                                                                                            |
| 39    | 62316       | 1   | Guide                                                                                            |
| 40    | 63040       | 1   | Spring                                                                                           |
| 41    | 69767       | 1   | Gasket                                                                                           |
| 42    | 110402      | 1   | Screw - Oval hd 12-24 x 2-3/8                                                                    |
| 43    | 103579      | 2   | Screw - Fl hd 10-24 x 1                                                                          |
| 44    | 69686       | 1   | Spacer                                                                                           |
| 45    | 69679       | 1   | Cover - Fuel tank                                                                                |
| 46    | 69345       | 1   | Gasket - Cover                                                                                   |
| 47    | 64848       | 1   | Hose Assy - Fuel                                                                                 |
| 48    | 63932       | 1   | Filter - Fuel                                                                                    |
| 49    | 100440      | 1   | Washer                                                                                           |
| 50    | 67944       | 1   | Spring - Hose stiffener                                                                          |
| 51    | 83204       |     | Bracket Assy                                                                                     |
| 52    | 103357      | 2   | Screw - Hex hd 10-24 x 2-1/4                                                                     |

| Ref # | Part Number | Qty | Description                                                                          |
|-------|-------------|-----|--------------------------------------------------------------------------------------|
| 53    |             |     | Carburetor Assy See "Carburetor Assembly" illustration and parts list.               |
| 54    | 68132       | 1   | Gasket - Carburetor                                                                  |
| 55    | 66678       | 1   | Spacer - Carburetor                                                                  |
| 56    | 68131       | 1   | Gasket - Spacer                                                                      |
| 57    | 110570      | 2   | Screw - Hex hd 12-24 x 1-3/8                                                         |
| 58    | 68582       | 1   | Lockplate                                                                            |
| 59    | 102115      | 2   | Washer - #12                                                                         |
| 60    | 110568      | 1   | Screw - Hex hd 12-24 x 1-1/8                                                         |
| 61    | 69516       | 1   | Lockplate                                                                            |
| 62    | 64856       | 1   | Washer - #10                                                                         |
| 63    | 102660      | 1   | Screw - Skt hd 10-24 x 1/8                                                           |
| 64    | 100003      | 1   | Washer - #10                                                                         |
| 65    | 69772       | 1   | Spacer - Fuel tank                                                                   |
| 66    |             |     | Fuel Tank Assy See "Fuel Tank Assembly" illustration and parts list.                 |
| 67    | 68580       | 1   | Gasket - Fuel tank                                                                   |
| 68    | 68614       | 1   | Insulator - Fuel tank                                                                |
| 69    | 68580       | 1   | Gasket - Insulator                                                                   |
| 70    | 110223      | 1   | Screw - Oval hd 10-24 x 5/8                                                          |
| 71    | 66672       | 1   | Cushion - Handle brace                                                               |
| 72    | 102765      | 1   | Screw - Hex hd 10-24 x 1-3/4                                                         |
| 73    | 66673       | 1   | Lockplate                                                                            |
| 74    | 105831      | 2   | Washer - Steel                                                                       |
| 75    | 71017       | 2   | Washer - Rubber                                                                      |
| 76    | 66674       | 1   | Sleeve - Handle brace                                                                |
| 77    |             |     | Handle Brace & Battery Assy See "Electrical Components" illustration and parts list. |
| 78    | 110473      | 2   | Screw - Skt hd 10-24 x 1-5/8                                                         |
| 79    | 65532       | 1   | Cover and Valve Assy                                                                 |
| 80    | 110472      | 3   | Screw - Skt hd 8-32 x 5/16                                                           |
| 81    | 83069       | 1   | Stop - Reed valve                                                                    |
| 82    | 64785       | 1   | Valve - Reed                                                                         |
| 83    | 65419       | 1   | Cover Assy - Spark arrester                                                          |
| 84    | 110529      | 1   | Screw - Hex hd 10-24 x 1/2                                                           |
| 85    | 62379B      | 1   | Baffle                                                                               |
| 86    | 110506      | 1   | Screw - Hex hd 10-24 x 5/8                                                           |
| 87    | 67922       | 1   | Lockplate                                                                            |
| 88    | 83106       | 1   | Body and Duct Assy                                                                   |
| 89    | 68187       | 1   | Screw - Hex hd 10-24 x 1-3/8                                                         |
| 90    | 68149       | 1   | Gasket - Spark arrester                                                              |
| 91    | 68581       | 2   | Insulator - Shroud                                                                   |
| 92    | 101230      | 1   | Grommet                                                                              |
| 93    | 105025      | 1   | Screw - Hex hd 12-24 x 9/16                                                          |
| 94    | 102523      | 1   | Washer - 1/4                                                                         |
| 95    | 67377       | 1   | Shroud                                                                               |
| 96    |             |     | Powerhead Assy See "Powerhead Assembly" illustration and parts list.                 |



| Ref # | Part Number | Qty | Description                      |
|-------|-------------|-----|----------------------------------|
| 1     | 68683       | 1   | Fuel Tank Assy                   |
| 2     | 100010      | 1   | Pin - Cotter                     |
| 3     | 64872       | 1   | Grip - Handle                    |
| 4     | 105673      | 2   | Pin - Roll 3/32 x 9/16           |
| 5     | 69041       | 1   | Button - Choke                   |
| 6     | 101056      | 1   | "O" Ring                         |
| 7     | 64871       | 1   | Button & Rod Assy                |
| 8     | 68522       | 1   | Seal - Throttle Rod              |
| 9     | 110378      | 1   | Pin - Roll 3/16 x 15/16          |
| 10    | 65734       | 1   | Spring - Throttle return         |
| 11    | 67224       | 1   | Trigger                          |
| 12    | 105249      | 2   | Screw - Rd hd 8-32 x 3/8         |
| 13    | 64721       | 1   | Bracket - Lever Assy             |
| 14    | 69687       | 1   | Spring - Valve                   |
| 15    | 69811       | 1   | Lever Assy - Compression release |
| 16    | 110385      | 1   | Screw - Pan hd 8-32 x 3/8        |
| 17    | 65873       | 1   | Wire Assy - Stop switch          |
| 18    | 67210       | 1   | Button - Control                 |
| 19    | 68170       | 1   | Rod - Throttle                   |
| 20    | 69042       | 1   | Rod - Choke                      |
| 21    | 69043       | 1   | Snubber - Control rod            |
| 22    | 67271       | 1   | Screw - Idle speed               |
| 23    | 69564       | AR  | Sealant - Airbox                 |



| Ref # | Part Number | Qty | Description                 |
|-------|-------------|-----|-----------------------------|
| 1     | 63097       | 1   | Spark Plug - AC CS45T       |
| 2     | 110623      | 2   | Screw - Fil hd 8-32 x 1/2   |
| 3     | 100955      | 1   | Nut - Hex 8-32              |
| 4     | 62261A      | 1   | Housing - Pump              |
| 5     | 62262       | 1   | Cap - Housing               |
| 6     | 62266       | 1   | Plunger - Pump              |
| 7     | 101056      | 1   | "O" Ring - Plunger          |
| 8     | 66687       | 1   | Spring - Plunger            |
| 9     | 62230       | 1   | Gasket - Pump               |
| 10    | 62909       | 1   | Valve - Pump                |
| 11    | 110291      | 1   | Screw - Pan hd 10-24 x 3/4  |
| 12    | 63072       | 1   | Cover - Oil tank            |
| 13    | 62116       | 1   | Gasket - Cover              |
| 14    | 57129A      | 1   | Cap - Oil tank              |
| 15    | 101148      | 1   | "O" Ring - Cap              |
| 16    | 62123B      | 1   | Hose Assy - Oil             |
| 17    | 51506       | 1   | Screen - Hose               |
| 18    | 110333      | 3   | Screw - Oval hd 8-32 x 1/2  |
| 19    | 62274       | 1   | Gasket                      |
| 20    | 83134       | 1   | Pump Assy - Pulse           |
| 21    | 60260A      | 1   | Piston Assy - Pump          |
| 22    | 104001      | 1   | "O" Ring                    |
| 23    | 60263       | 1   | Ring - Piston               |
| 24    | 60937       | 1   | Washer - Teflon             |
| 25    | 60259       | 1   | Spring - Piston oiler       |
| 26    | 62227       | 1   | Sleeve - Oiler adjustment   |
| 27    | 110386      | 1   | Screw - Hex hd 8-32 x 1     |
| 28    | 100251      | 1   | Nut - Hex 8-32              |
| 29    | 62407       | 1   | Cover - Outlet valve        |
| 30    | 106104      | 1   | "O" Ring                    |
| 31    | 62885A      | 1   | Spring - Outlet valve       |
| 32    | 102809      | 1   | Ball                        |
| 33    | 83128       | 1   | Body Assy - Pump            |
| 34    | 83585       | 1   | Crankcase Assy              |
| 35    | 110288      | 2   | Screw Assy 8-32 x 3/4       |
| 36    | 62065       | 2   | Bolt - Bar                  |
| 37    | 62105       | 4   | Screw Assy - Sealing        |
| 38    | 62842       | 4   | Washer - Sealing            |
| 39    | 110618      | 1   | Screw Assy - 8-32 x 1-3/8   |
| 40    | 110288      | 1   | Screw Assy - 8-32 x 3/4     |
| 41    | 100010      | 1   | Pin - Cotter                |
| 42    | 83166       | 1   | Valve - Compression release |
| 43    | 61649       | 1   | Pin - Piston                |
| 44    | 69212       | 1   | Piston Assy                 |
| 45    | 62814       | 1   | Ring Set - Piston           |
| 46    | 103512      | 2   | Bearing                     |
| 47    | 65401       | 1   | Connecting Rod Assy         |
| 48    | 61627A      | 2   | Screw - Skt hd 8-36 x 1/2   |
| 49    | 63225       | 1   | Roller - Needle (set of 20) |
| 50    | 65746       | 1   | Oil Seal                    |
| 51    | 63464       | 1   | Ring - Snap                 |
| 52    | 63429B      | 1   | Bearing - Ball              |
| 53    | 65747       | 1   | Oil Seal                    |
| 54    | 104357      | 1   | Bearing - Needle            |
| 55    | 63336       | 1   | Crankshaft                  |

| Ref # | Part Number | Qty | Description           |
|-------|-------------|-----|-----------------------|
| 56    | 63541       | 1   | Bar                   |
| 57    | 64325       | 2   | Plate - Bar Protector |
| 58    | 62556M      | 1   | Chain Assy            |