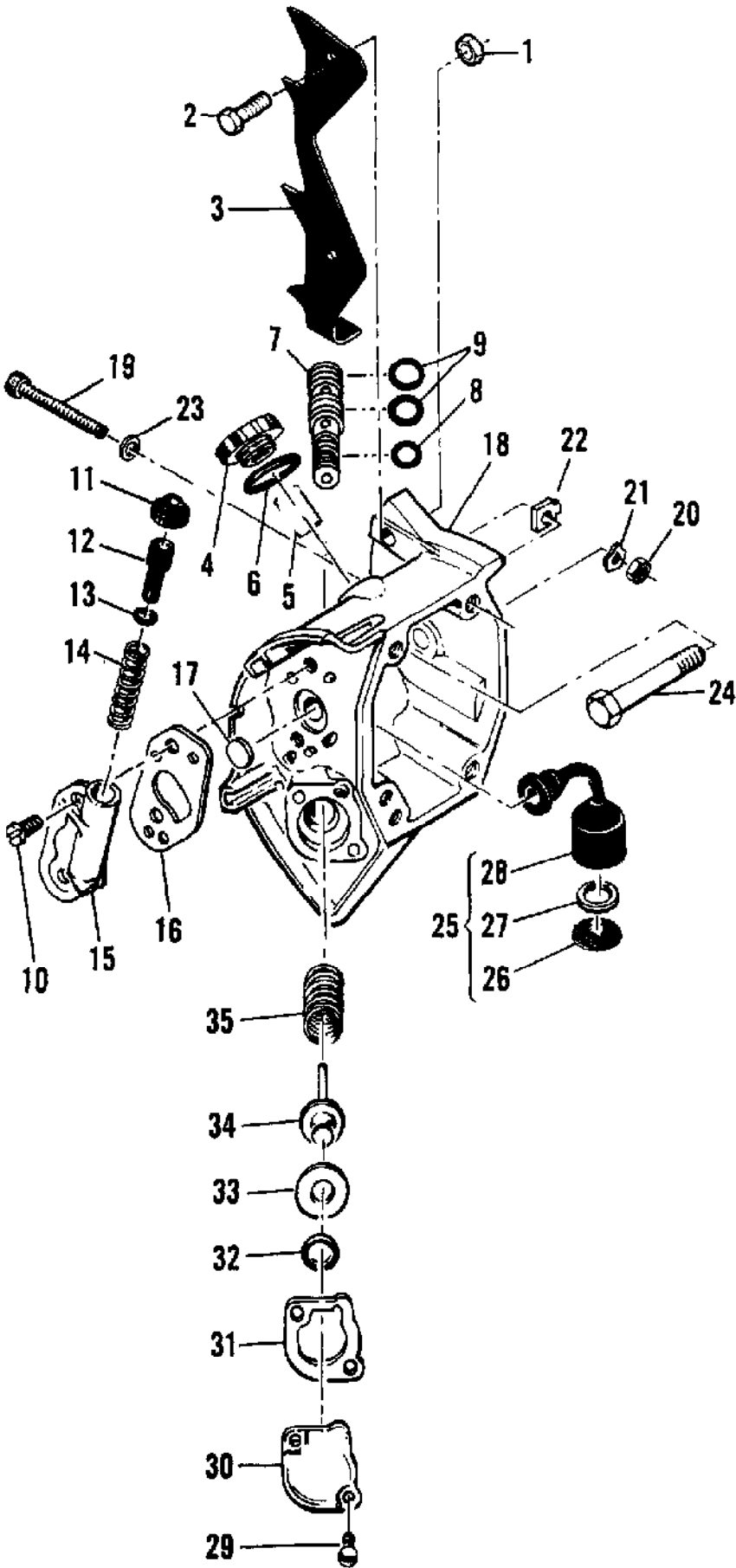


# No Diagram Available

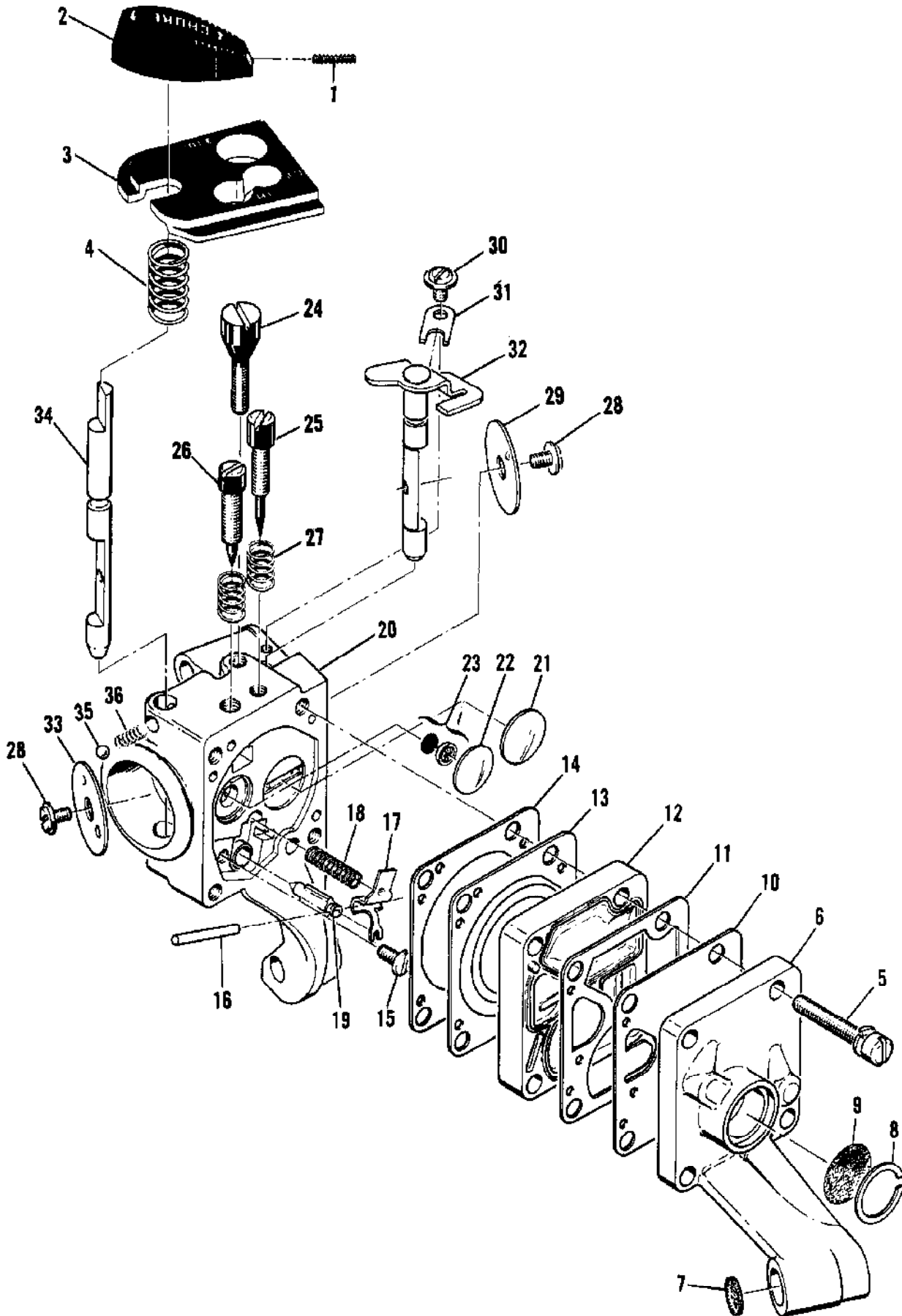
  

# Parts List Only

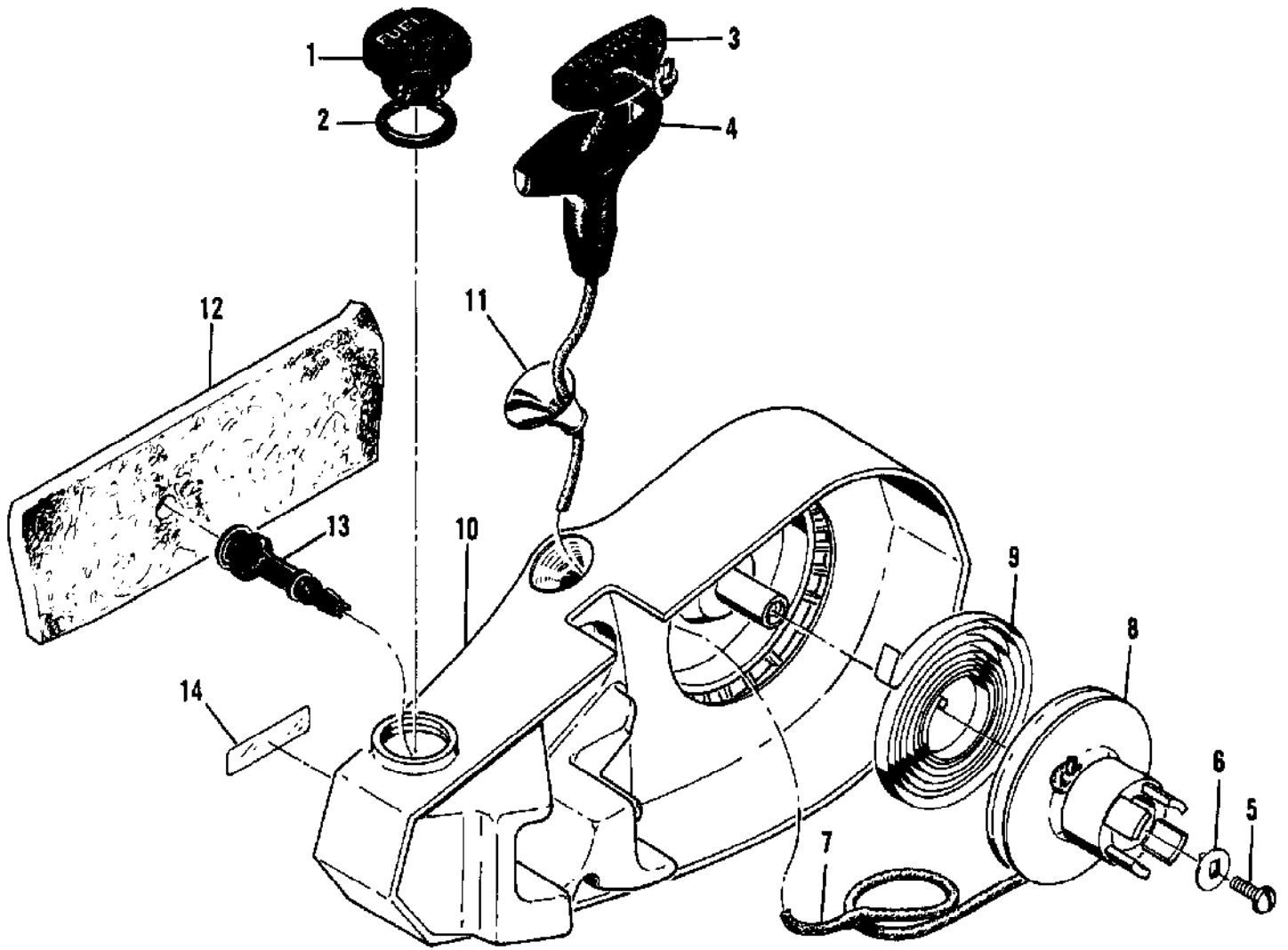
| Ref # | Part Number | Qty | Description                          |
|-------|-------------|-----|--------------------------------------|
|       | 83577       |     | Owner's Manual                       |
|       | 68648       |     | Scrench                              |
|       | 66924       |     | Bar - 12 inch                        |
|       | 67746M      |     | Chain - 12 inch bar                  |
|       | 68301       |     | Bar - 14 inch                        |
|       | 67747M      |     | Chain - 14 inch bar                  |
|       | 68302       |     | Bar - 16 inch                        |
|       | 67748M      |     | Chain - 16 inch bar                  |
|       | 68349       |     | Kit - Chain repair                   |
|       | 67750       |     | Pkg - File guide                     |
|       | 67680       |     | Pkg - File depth gauge (.025 - .030) |
|       | 67688       |     | Pkg - File depth gauge (.015 - .020) |
|       | 68916       |     | Kit - Pressure test                  |
|       | 68915       |     | Kit - Piston tool                    |
|       | 69162       |     | Baffle - Spark arrester (alternate)  |
|       | 83124       |     | Guard - Bar                          |
|       | 84338       |     | Rope - 100 ft.                       |
|       | 83323       |     | Shop Manual                          |



| Ref # | Part Number | Qty | Description                     |
|-------|-------------|-----|---------------------------------|
| 1     | 101191      | 2   | Nut - Hex 10-24                 |
| 2     | 104738      | 2   | Screw - Hex hd 10-24 x 1/2      |
| 3     | 68412       | 1   | Spike                           |
| 4     | 68809       | 1   | Cap - Oil                       |
| 5     | 84953       | 1   | Plug - Cap                      |
| 6     | 101148      | 1   | "O" Ring                        |
| 7     | 83591       | 1   | Cylinder Assy - Oil pump        |
| 8     | 105603      | 1   | "O" Ring                        |
| 9     | 105614      | 2   | "O" Ring                        |
| 10    | 105248      | 2   | Screw - Rd hd 8-32 x 5/8 (SEMS) |
| 11    | 62262       | 1   | Cap - Oil pump                  |
| 12    | 68603       | 1   | Plunger - Oil pump              |
| 13    | 101056      | 1   | "O" Ring                        |
| 14    | 66687       | 1   | Spring - Plunger                |
| 15    | 83189       | 1   | Body - Oil pump                 |
| 16    | 83187       | 1   | Gasket - Oil pump               |
| 17    | 62909       | 1   | Valve - Oiler                   |
| 18    | 83587       | 1   | Tank Assy - Oil                 |
| 18    | 85467       | 1   | Tank Assy - Oil                 |
| 19    | 110587      | 1   | Screw - Fil hd 8-32 x 1-1/2     |
| 20    | 100955      | 1   | Nut - Hex 8-32                  |
| 21    | 110525      | 1   | Washer - Wavey                  |
| 22    | 84929       | 1   | Nut - Adjustment                |
| 23    | 100080      | 1   | Washer - #8                     |
| 24    | 68687       | 1   | Bolt - Bar                      |
| 25    | 68140       | 1   | Pickup Assy - Oil               |
| 26    | 67552       | 1   | Screen                          |
| 27    | 67569       | 1   | Weight                          |
| 28    | 67568       | 1   | Hose                            |
| 29    | 105248      | 2   | Screw - Rd hd 8-32 x 5/8 (SEMS) |
| 30    | 83186       | 1   | Cover - Oil pump                |
| 31    | 83185       | 1   | Gasket - Cover                  |
| 32    | 105603      | 1   | "O" Ring                        |
| 33    | 83184       | 1   | Ring - Oiler piston             |
| 34    | 83181       | 1   | Piston Assy - Oiler             |
| 35    | 83180       | 1   | Spring - Oiler piston           |

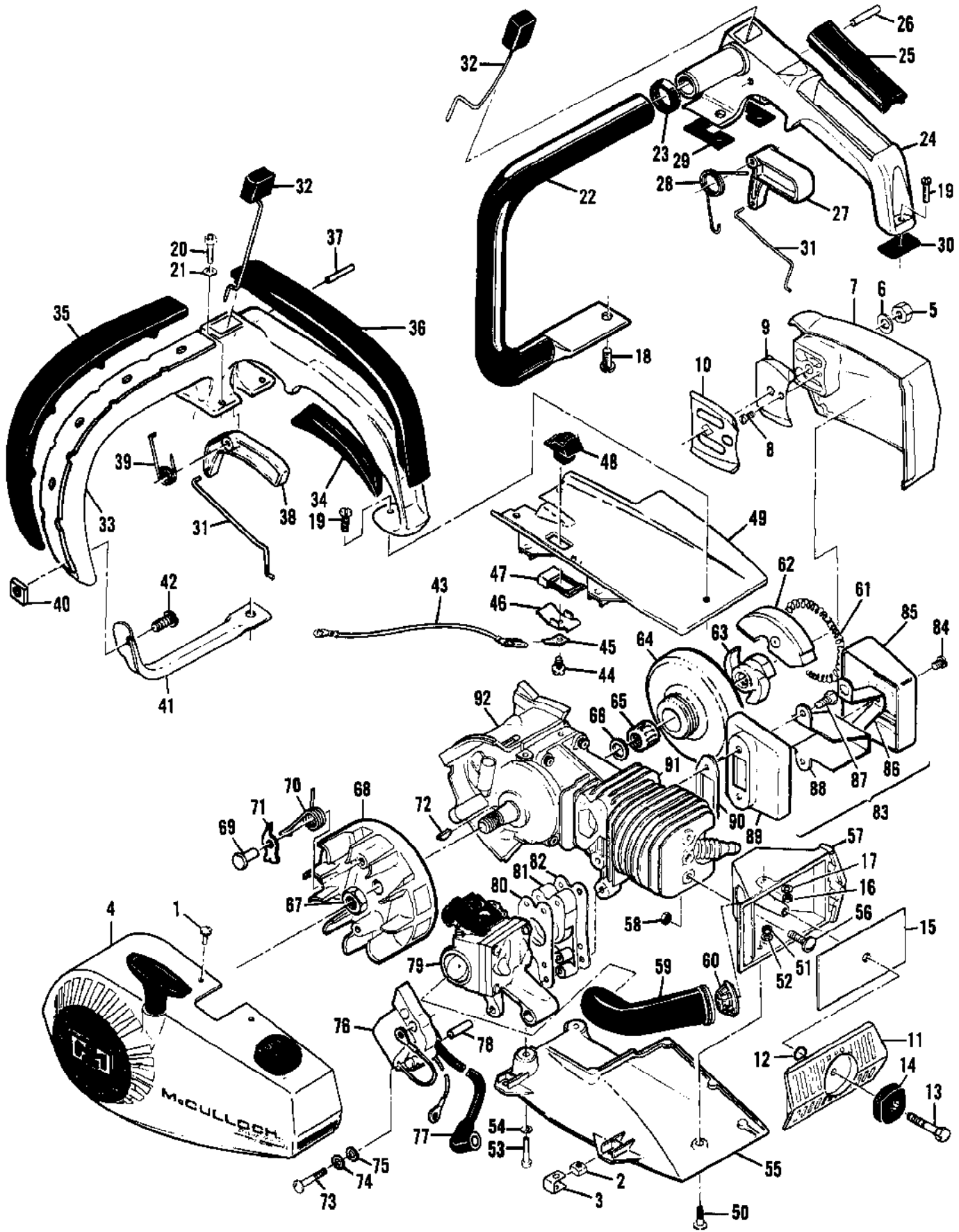


| Ref # | Part Number | Qty | Description              |
|-------|-------------|-----|--------------------------|
| 1     | 110554      | 1   | Screw - Set 4-40 x 1/2   |
| 2     | 68659       | 1   | Knob - Choke             |
| 3     | 68814       | 1   | Plate - Adjustment cover |
| 4     | 11086       | 1   | Spring - Plate           |
|       | 87238       | 1   | Carburetor Assy          |
| 5     | 68564       | 4   | Screw Assy - Body        |
| 6     | 68879       | 1   | Cover Assy - Pump        |
| 7     | 68570       | 1   | Screen - Inlet           |
| 8     | 68883       | 1   | Retainer - Vent screen   |
| 9     | 68571       | 1   | Screen - Vent            |
| 10    | 68563       | 1   | Diaphragm - Pump         |
| 11    | 68561       | 1   | Gasket - Diaphragm       |
| 12    | 68880       | 1   | Body - Fuel pump         |
| 13    | 68562       | 1   | Diaphragm                |
| 14    | 68881       | 1   | Gasket - Diaphragm       |
| 15    | 67500       | 1   | Screw - Lever pin        |
| 16    | 67508       | 1   | Pin - Lever              |
| 17    | 68572       | 1   | Lever - Inlet control    |
|       | 83756       | 1   | Lever - Inlet control    |
| 18    | 68567       | 1   | Spring - Lever           |
| 19    | 68557       | 1   | Needle - Fuel inlet      |
|       | 83753       | 1   | Needle - Fuel inlet      |
| 20    | 83751       | 1   | Body Assy - Carburetor   |
| 21    | 68560       | 1   | Plug - 1/2               |
| 22    | 68559       | 1   | Plug - 7/16              |
| 23    | 83758       | 1   | Kit - Check valve        |
| 24    | 68566       | 1   | Screw - Idle speed       |
| 25    | 86446       | 1   | Needle - Idle            |
| 26    | 86447       | 1   | Needle - High speed      |
| 27    | 67502       | 2   | Spring - Needle          |
| 28    | 83755       | 2   | Screw - Plate            |
| 29    | 68553       | 1   | Plate - Throttle         |
| 30    | 70798       | 1   | Screw - Clip             |
| 31    | 68554       | 1   | Clip - Throttle shaft    |
| 32    | 68552       | 1   | Throttle Shaft Assy      |
| 33    | 68556       | 1   | Plate - Choke shaft      |
| 34    | 68555       | 1   | Choke Shaft              |
| 35    | 100302      | 1   | Ball - Choke friction    |
| 36    | 67504       | 1   | Spring - Choke friction  |
|       | 68882       |     | Gasket Set               |
|       | 86457       |     | Repair Kit               |



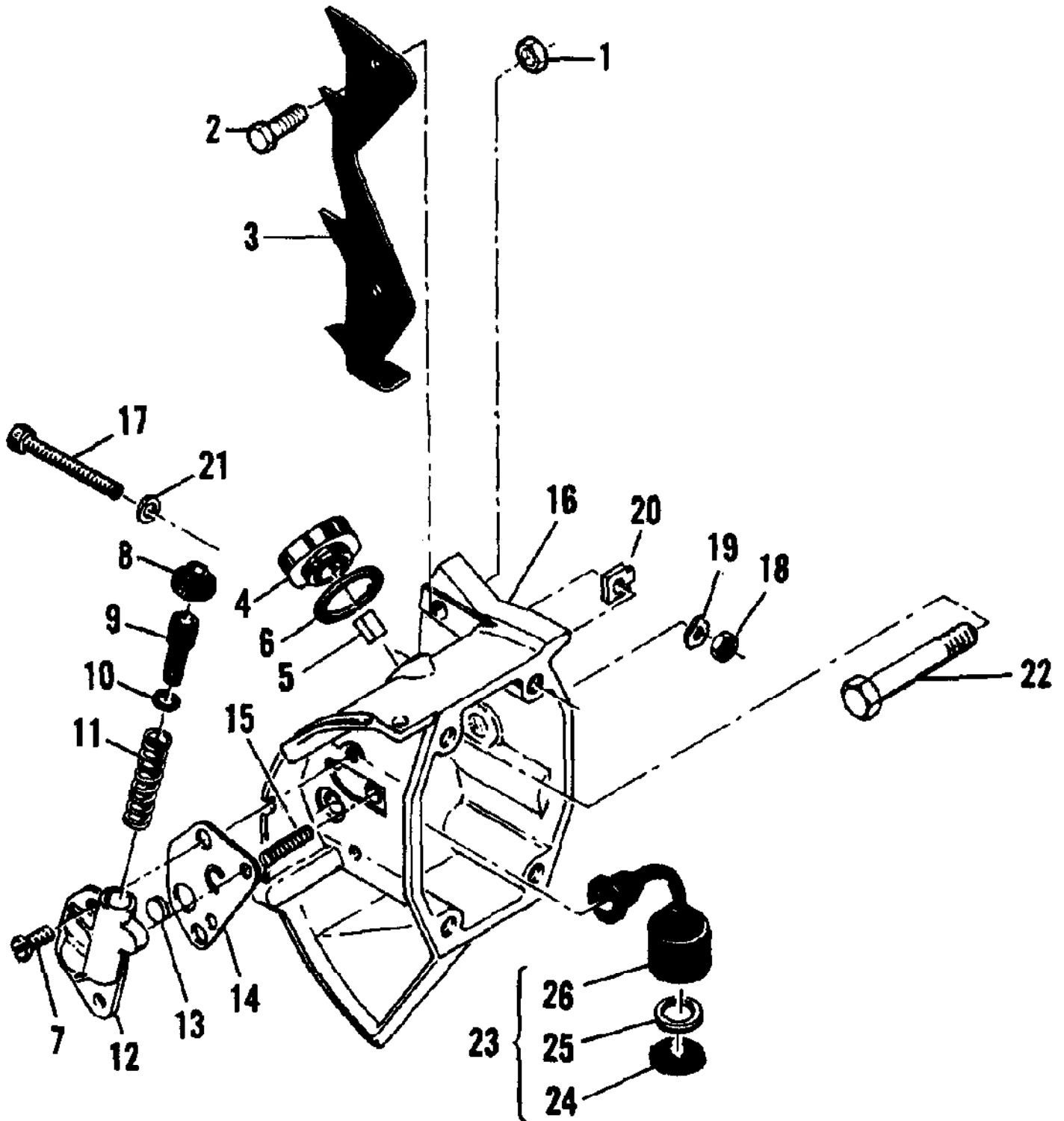
| Ref # | Part Number | Qty | Description                     |
|-------|-------------|-----|---------------------------------|
| 1     | 68813       | 1   | Cap Assy - Fuel                 |
| 2     | 101148      | 1   | "O" Ring                        |
|       | 83167       | 1   | Fan Housing & Starter Assy      |
| 3     | 68810       | 1   | Insert - Rope                   |
| 4     | 67158       | 1   | Handle - Starter                |
| 5     | 105248      | 1   | Screw - Rd hd 8-32 x 5/8 (SEMS) |
| 6     | 68497       | 1   | Washer - Tang                   |
| 7     | 83203       | 1   | Rope                            |
| 8     | 83080       | 1   | Drum - Starter                  |
| 9     | 83078       | 1   | Spring - Rewind                 |
| 10    | 83201       | 1   | Housing Assy                    |
| 11    | 67571       | 1   | Guide - Rope                    |
| 12    | 67582       | 1   | Felt - Fuel                     |
| 13    | 67581       | 1   | Fitting - Fuel                  |
| 14    | 69013       | 1   | Nameplate                       |



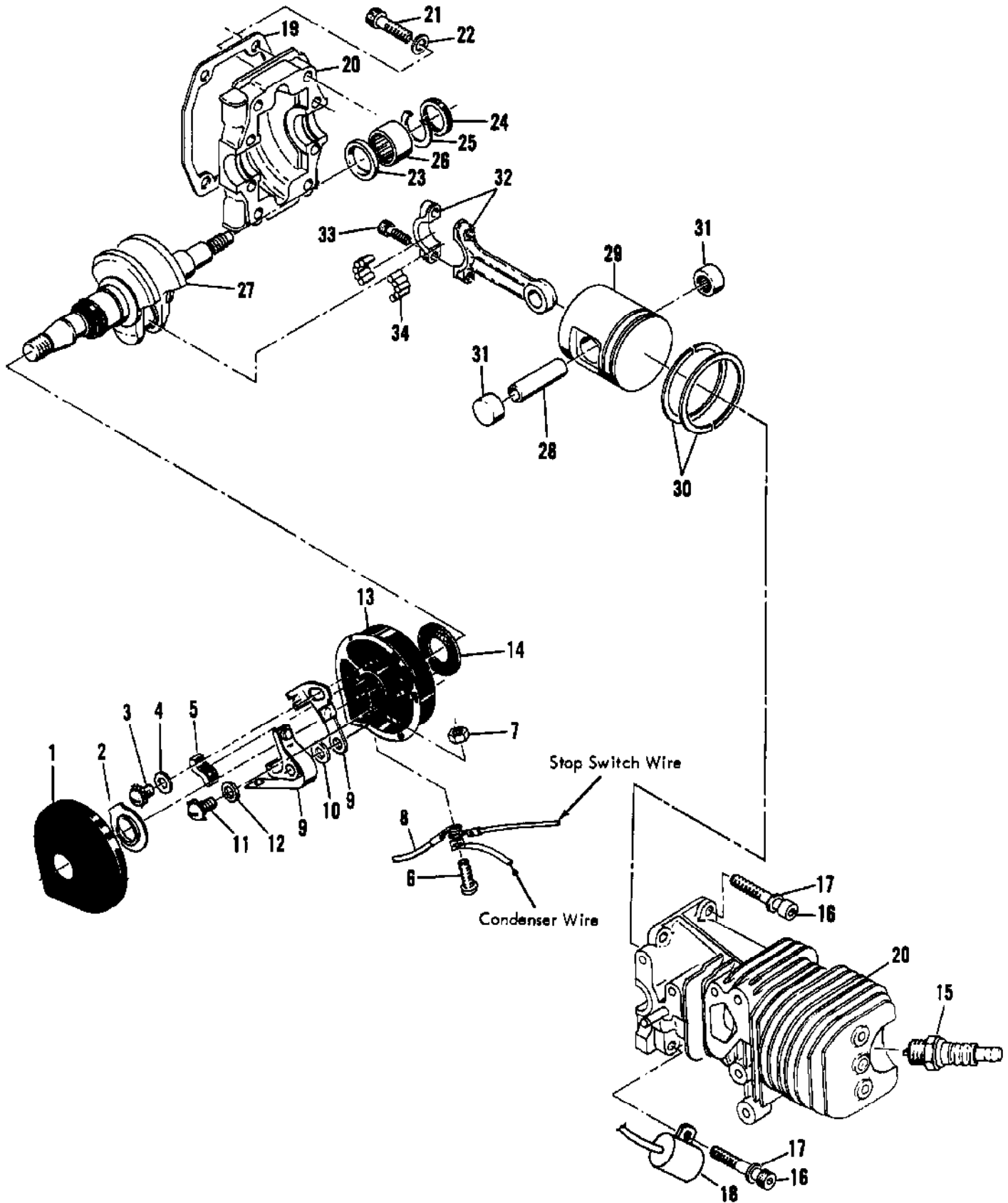


| Ref # | Part Number | Qty | Description                                                                                  |
|-------|-------------|-----|----------------------------------------------------------------------------------------------|
| 1     | 110597      | 5   | Screw - Pan hd 8-32 x 1/2                                                                    |
| 2     | 68963       | 6   | Nut - Square 8-32                                                                            |
| 3     | 68770       | 6   | Retainer - Nut                                                                               |
| 4     |             |     | Fan Housing & Starter Assy See "Fan Housing & Starter Assembly" illustration and parts list. |
| 5     | 110715      | 1   | Nut - Hex 1/4-28                                                                             |
| 6     | 100311      | 1   | Washer - 1/4                                                                                 |
| 7     | 69696       | 1   | Guard - Clutch                                                                               |
| 8     | 110620      | 1   | Screw - Fil hd 6-32 x 7/16 s/t                                                               |
|       | 67667       | 1   | Set - Bar plate                                                                              |
| 9     | 68673       | 1   | Plate - Bar outer                                                                            |
| 10    | 67588       | 1   | Plate - Bar inner                                                                            |
| 11    | 69006       | 1   | Cover - Air cleaner                                                                          |
| 12    | 105603      | 1   | "O" Ring                                                                                     |
| 13    | 69202       | 1   | Screw - Cover                                                                                |
| 14    | 68616       | 1   | Knob - Cover                                                                                 |
| 15    | 68685       | 1   | Screen - Air cleaner                                                                         |
| 16    | 100955      | 1   | Nut - Hex 8-32                                                                               |
| 17    | 100080      | 1   | Washer - #8                                                                                  |
| 18    | 110670      | 1   | Screw - Pan hd 8-32 x 5/8                                                                    |
| 19    | 110726      | 1   | Screw - Pan hd 8-32 x 7/8                                                                    |
| 20    | 110585      | 2   | Screw - Skt hd 10-24 x 3/4                                                                   |
| 21    | 110264      | 2   | Washer - #10                                                                                 |
| 22    | 85465       | 1   | Frame & Grip Assy                                                                            |
| 23    | 84061       | 1   | Collar - Frame                                                                               |
| 24    | 85577       | 1   | Handle Assy                                                                                  |
| 25    | 85580       | 1   | Grip - Handle                                                                                |
| 26    | 105654      | 1   | Pin - Trigger                                                                                |
| 27    | 84063       | 1   | Trigger                                                                                      |
| 28    | 84255       | 1   | Spring - Trigger                                                                             |
| 29    | 84239       | 1   | Insulator - Forward                                                                          |
| 30    | 84240       | 1   | Insulator - Rear                                                                             |
| 31    | 84256       | 1   | Rod - Throttle                                                                               |
|       | 69194       | 1   | Rod - Throttle                                                                               |
| 32    | 84228       | 1   | Button & Rod Assy - Oiler                                                                    |
|       | 69052       | 1   | Button & Rod Assy - Oiler                                                                    |
| 33    | 69232       | 1   | Handle Assy                                                                                  |
| 34    | 67583       | 1   | Grip - Lower                                                                                 |
|       | 83576       | 1   | Grip - Lower                                                                                 |
| 35    | 69567       | 1   | Grip - Side                                                                                  |
| 36    | 67584       | 1   | Grip - Top                                                                                   |
|       | 83575       | 1   | Grip - Top                                                                                   |
| 37    | 105654      | 1   | Pin - Trigger                                                                                |
| 38    | 68621       | 1   | Trigger                                                                                      |
| 39    | 69201       | 1   | Spring - Trigger                                                                             |
| 40    | 68963       | 1   | Nut - Square 8-32                                                                            |
| 41    | 68853       | 1   | Strap - Handle                                                                               |
| 42    | 110597      | 1   | Screw - Pan hd 8-32 x 1/2 (SEMS)                                                             |
| 43    | 69344       | 1   | Wire Assy - Stop switch                                                                      |
| 44    | 110597      | 1   | Screw - Pan hd 8-32 x 1/2 (SEMS)                                                             |
| 45    | 69879       | 1   | Terminal - Stop switch wire                                                                  |
| 46    | 62451       | 1   | Contact - Switch                                                                             |
| 47    | 62950A      | 1   | Base - Switch                                                                                |
| 48    | 68846       | 1   | Button - Switch                                                                              |
| 49    | 69009       | 1   | Shroud - Top                                                                                 |

| Ref # | Part Number | Qty | Description                                                                                                                                                                                                |
|-------|-------------|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 50    | 110584      | 1   | Screw - Pan hd 8-32 x 3/4                                                                                                                                                                                  |
| 51    | 100955      | 1   | Nut - Hex 8-32                                                                                                                                                                                             |
| 52    | 100080      | 1   | Washer - #8                                                                                                                                                                                                |
| 53    | 110714      | 2   | Screw - Skt hd 10-24x 3/4                                                                                                                                                                                  |
| 54    | 110264      | 2   | Washer - #10                                                                                                                                                                                               |
| 55    | 69010       | 1   | Shroud - Bottom                                                                                                                                                                                            |
| 56    | 110584      | 2   | Screw - Pan hd 8-32 x 3/4                                                                                                                                                                                  |
| 57    | 69005       | 1   | Housing - Air cleaner                                                                                                                                                                                      |
| 58    | 100955      | 2   | Nut - Hex 8-32                                                                                                                                                                                             |
| 59    | 67195       | 1   | Duct - Air                                                                                                                                                                                                 |
| 60    | 68623       | 1   | Shield - Duct                                                                                                                                                                                              |
|       | 83156       | 1   | Clutch Assy                                                                                                                                                                                                |
| 61    | 69358       | 1   | Spring                                                                                                                                                                                                     |
| 62    | 83220       | 3   | Shoe Assy                                                                                                                                                                                                  |
| 63    | 68778       | 1   | Spider                                                                                                                                                                                                     |
| 64    | 67656       | 1   | Drum & Sprocket Assy                                                                                                                                                                                       |
| 65    | 67650       | 1   | Bearing - Sprocket                                                                                                                                                                                         |
| 66    | 67303       | 1   | Washer - Sprocket                                                                                                                                                                                          |
| 67    | 110703      | 1   | Nut - Hex 3/8-24                                                                                                                                                                                           |
| 68    | 69806       | 1   | Flywheel k Pawl Assy                                                                                                                                                                                       |
| 69    | 68796       | 2   | Pin - Pawl                                                                                                                                                                                                 |
| 70    | 67814       | 2   | Spring - Pawl                                                                                                                                                                                              |
| 71    | 69103       | 2   | Pawl - Starter                                                                                                                                                                                             |
| 72    | 103879      | 1   | Key - Flywheel                                                                                                                                                                                             |
| 73    | 110586      | 3   | Screw - Pan hd 8-32 x 1-3/4                                                                                                                                                                                |
| 74    | 100080      | 3   | Washer - #8                                                                                                                                                                                                |
| 75    | 67177       | 3   | Washer - Insulator                                                                                                                                                                                         |
| 76    | 68707       | 1   | Coil & Lamination Assy                                                                                                                                                                                     |
| 77    | 69966       | 1   | Wire Assy - Spark plug                                                                                                                                                                                     |
| 78    | 68198       | 3   | Tube - Insulating                                                                                                                                                                                          |
| 79    |             |     | Carburetor Assy See "Carburetor Assembly" illustration and parts list.                                                                                                                                     |
| 80    | 68197       | 1   | Gasket - Carburetor                                                                                                                                                                                        |
| 81    | 68195       | 1   | Insulator - Carburetor                                                                                                                                                                                     |
| 82    | 68196       | 1   | Gasket - Insulator                                                                                                                                                                                         |
| 83    | 68768       | 1   | Kit - Spark arrester                                                                                                                                                                                       |
| 84    | 110597      | 1   | Screw - Pan hd 8-32 x 1/2                                                                                                                                                                                  |
| 85    | 69160       |     | Cover - Spark arrester                                                                                                                                                                                     |
| 86    | 68725       | 1   | Clip - Locking                                                                                                                                                                                             |
| 87    | 110581      | 2   | Screw - Hex hd 10-24 x 3/8                                                                                                                                                                                 |
| 88    | 68669       | 1   | Baffle                                                                                                                                                                                                     |
| 89    | 68781       | 1   | Body                                                                                                                                                                                                       |
| 90    | 68747       | 1   | Gasket - Spark arrester                                                                                                                                                                                    |
| 91    |             |     | Powerhead Assy See "Powerhead Assembly" illustration and parts list.                                                                                                                                       |
| 92    |             |     | Oiler Housing Assy (Manual) See "Oiler Housing Assembly (Manual)" illustration and parts list.<br><br>Oiler Housing Assy (Automatic) See "Oiler Housing Assembly (Automatic)" illustration and parts list. |



| Ref # | Part Number | Qty | Description                     |
|-------|-------------|-----|---------------------------------|
| 1     | 101191      | 2   | Nut - Hex 10-24                 |
| 2     | 104738      | 2   | Screw - Hex hd 10-24 x 1/2      |
| 3     | 68412       | 1   | Spike                           |
| 4     | 68809       | 1   | Cap - Oil                       |
| 5     | 84953       | 1   | Plug - Cap                      |
| 6     | 101148      | 1   | "O" Ring                        |
| 7     | 105248      | 2   | Screw - Rd hd 8-32 x 5/8 (SEMS) |
| 8     | 62262       | 1   | Cap - Oil pump                  |
| 9     | 68603       | 1   | Plunger - Oil pump              |
| 10    | 101056      | 1   | "O" Ring                        |
| 11    | 66687       | 1   | Spring - Plunger                |
| 12    | 68604       | 1   | Body - Oil pump                 |
| 13    | 62909       | 1   | Valve - Oiler                   |
| 14    | 68688       | 1   | Diaphragm - Oil pump            |
| 15    | 67565       | 1   | Spring - Diaphragm              |
| 16    | 84230       | 1   | Tank Assy - Oil                 |
| 17    | 110587      | 1   | Screw - Fil hd 8-32 x 1-1/2     |
| 18    | 100955      | 1   | Nut - Hex 8-32                  |
| 19    | 110525      | 1   | Washer - Wavey                  |
| 20    | 84929       | 1   | Nut - Adjustment                |
| 21    | 100080      | 1   | Washer - #8                     |
| 22    | 68687       | 1   | Bolt - Bar                      |
| 23    | 68140       | 1   | Pickup Assy - Oil               |
| 24    | 67552       | 1   | Screen                          |
| 25    | 67569       | 1   | Weight                          |
| 26    | 67568       | 1   | Hose                            |



| Ref # | Part Number | Qty | Description                      |
|-------|-------------|-----|----------------------------------|
| 1     | 67841       | 1   | Cover - Breaker box              |
| 2     | 69323       | 1   | Seal - Outer                     |
| 3     | 110597      | 1   | Screw - Pan hd 8-32 x 1/2 (SEMS) |
| 4     | 69322       | 1   | Washer - #8                      |
| 5     | 54184       | 1   | Wiper                            |
| 6     | 110364      | 1   | Screw - Pan hd 6-32 x 5/8        |
| 7     | 100035      | 1   | Nut - Hex 6-32                   |
| 8     | 69344       | 1   | Wire Assy - Primary              |
| 9     | 66885       | 1   | Breaker Assy                     |
| 10    | 68630       | 1   | Washer - Breaker                 |
| 11    | 105248      | 1   | Screw - Rd hd 8-32 x 5/8 (SEMS)  |
| 12    | 100080      | 1   | Washer - #8                      |
| 13    | 67840       | 1   | Box - Breaker                    |
| 14    | 68525       | 1   | Seal - Breaker box               |
| 15    | 63097       | 1   | Spark Plug                       |
| 16    | 110523      | 4   | Screw - Skt hd 8-32 x 1-1/4      |
| 17    | 110613      | 4   | Washer - #8                      |
| 18    | 85358       | 1   | Condenser                        |
| 19    | 83088       | 1   | Gasket - Oil tank                |
| 20    | 83454       | 1   | Crankcase Assy                   |
| 21    | 110522      | 4   | Screw - Skt hd 8-32 x 7/8        |
| 22    | 110613      | 4   | Washer - #8                      |
| 23    | 68513       | 2   | Plate - Thrust                   |
| 24    | 67175       | 2   | Seal - Oil                       |
| 25    | 110547      | 2   | Ring - Retaining                 |
| 26    | 66854       | 2   | Bearing - Crankshaft             |
| 27    | 68854       | 1   | Crankshaft                       |
| 28    | 66867       | 1   | Pin - Piston                     |
| 29    | 68098       | 1   | Piston Assy                      |
| 30    | 68096       | 1   | Ring Set - Piston                |
| 31    | 110538      | 2   | Bearing - Needle                 |
| 32    | 68097       | 1   | Rod Assy - Connecting            |
| 33    | 66853       | 2   | Screw - Skt hd special           |
| 34    | 68095       | 1   | Roller - Needle Set (20)         |