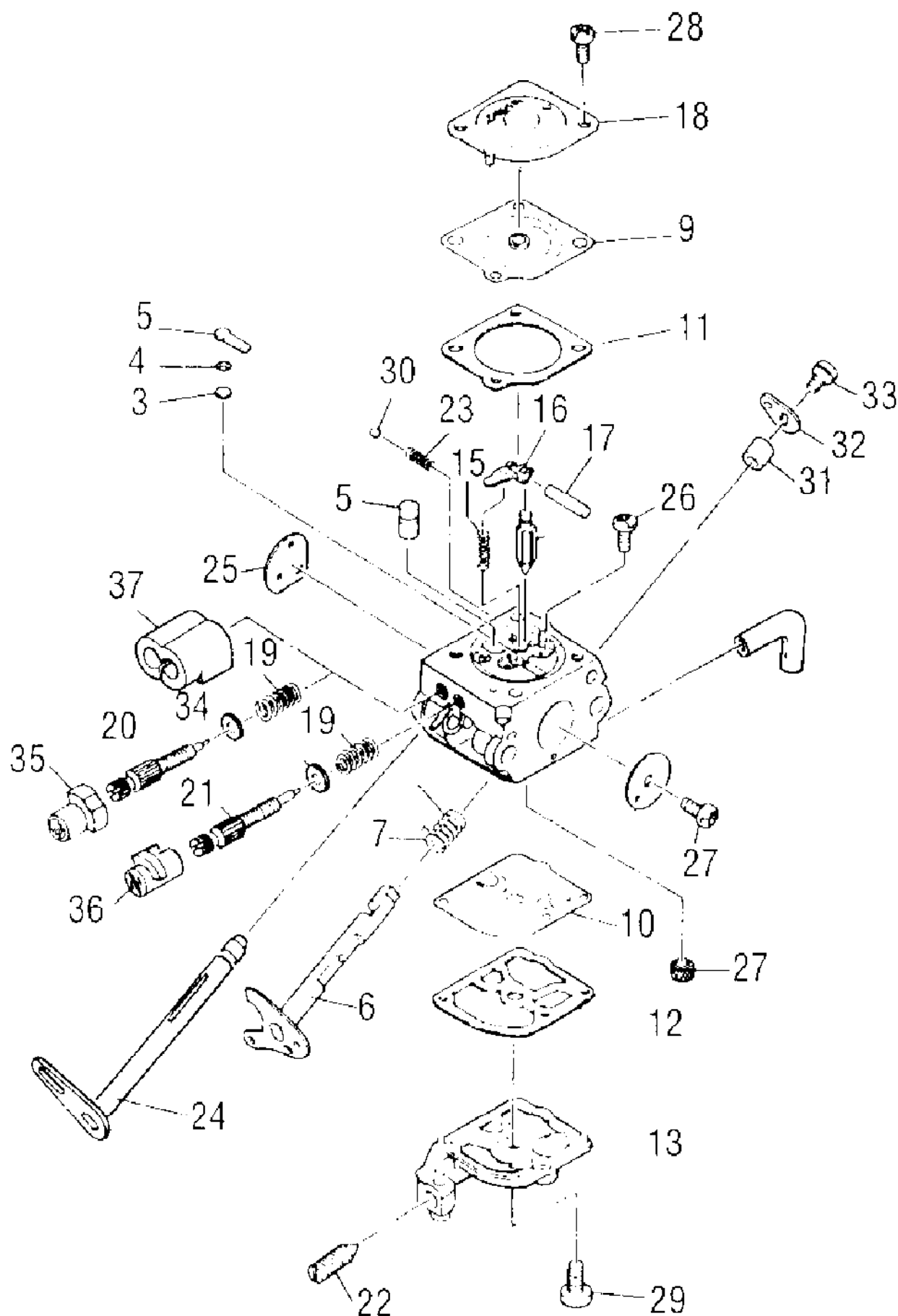


# No Diagram Available

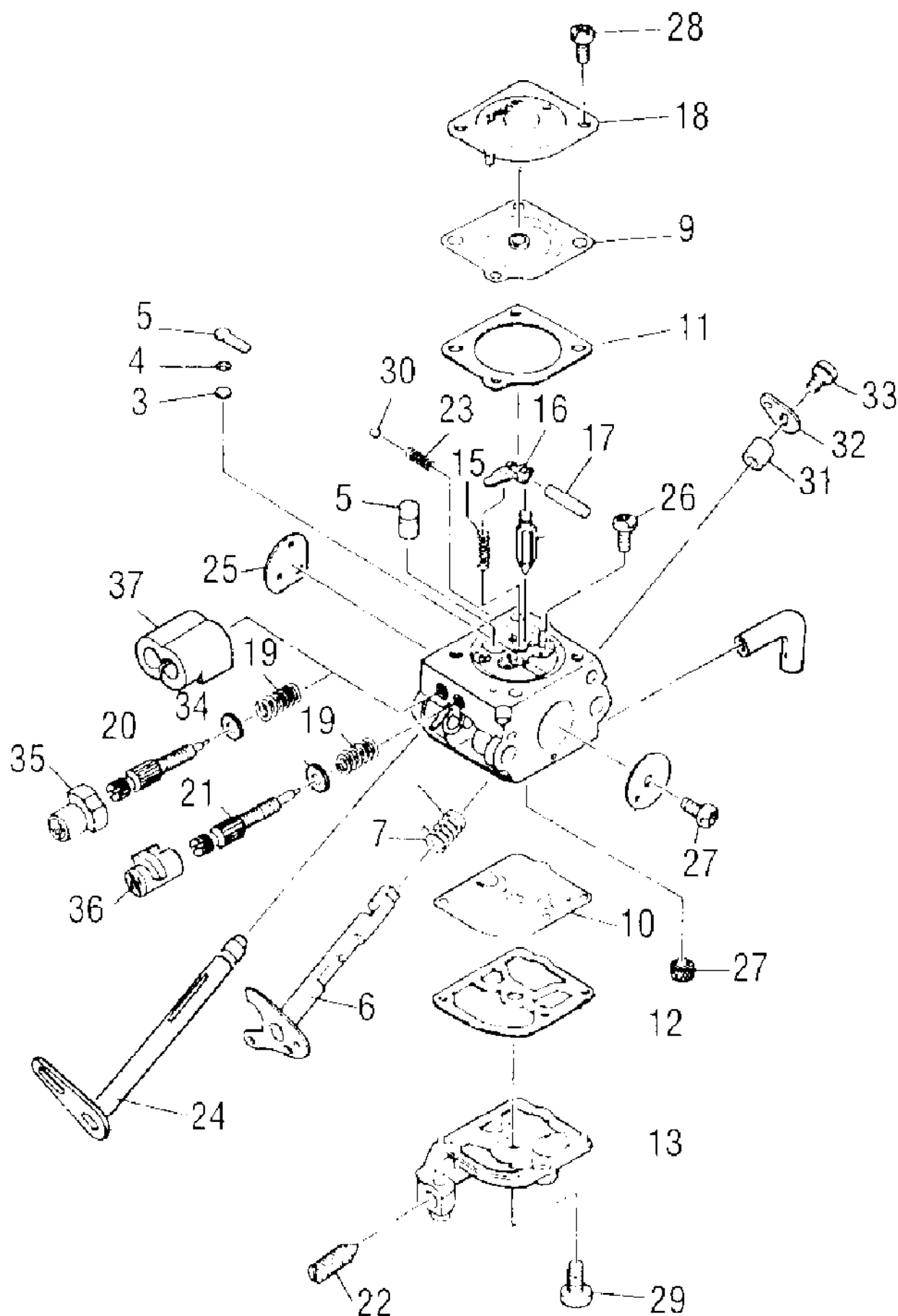
  

# Parts List Only

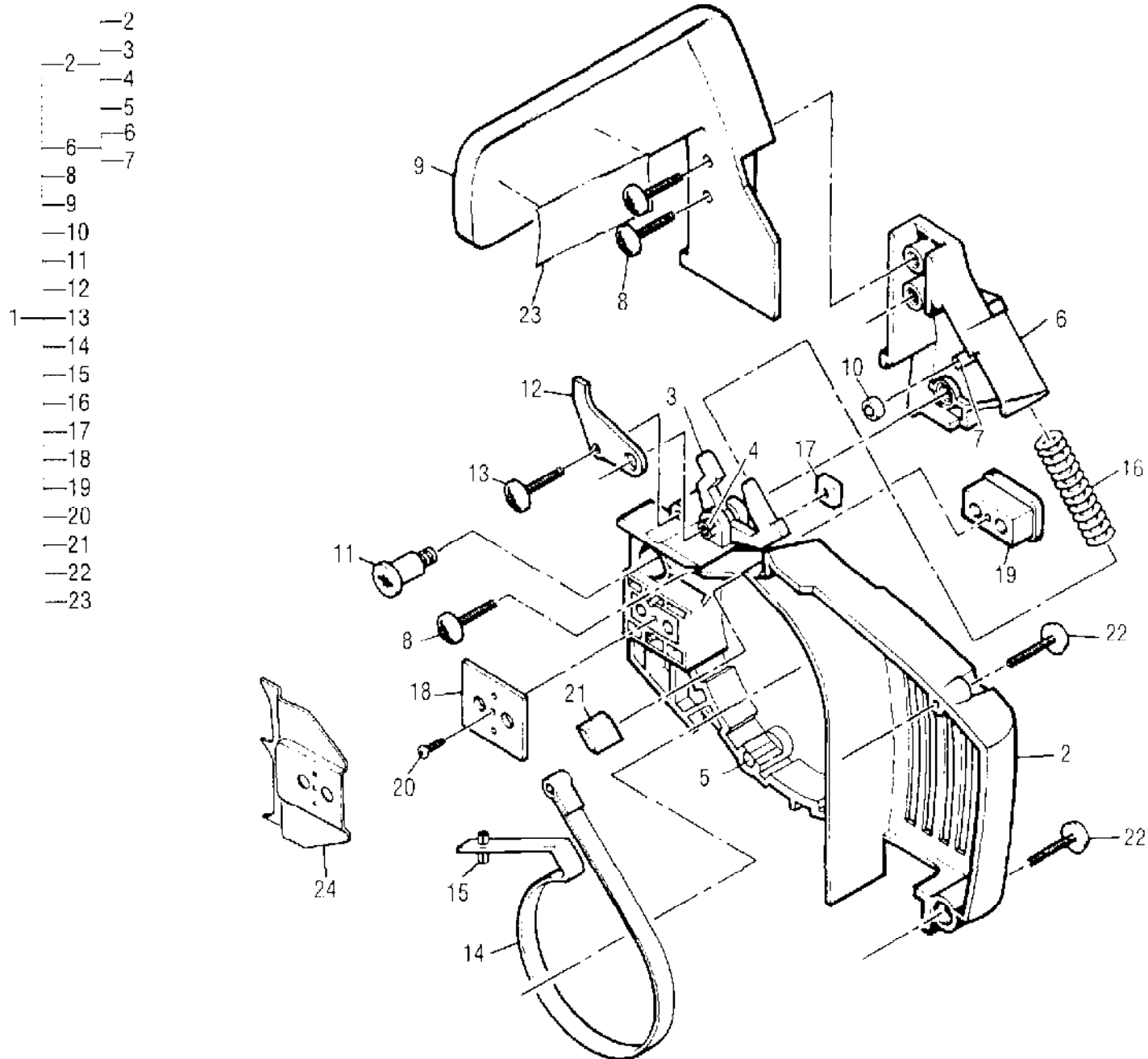
| Ref # | Part Number | Qty | Description                      |
|-------|-------------|-----|----------------------------------|
|       | 21423333    |     | 10" Bar                          |
|       | 21423433    |     | 12" Bar                          |
|       | 21423533    |     | 14" Bar                          |
|       | 21423633    |     | 16" Bar                          |
|       | 21492333    |     | 10" Chain MPG370GLX38cl          |
|       | 21492133    |     | 12" Chain MPG370GLX44cl          |
|       | 21491933    |     | 14" Chain MPG370GLX49cl          |
|       | 21492533    |     | 16" Chain MPG370GLX54cl          |
|       | 30199233    |     | File & Guide (5/32) Service Tool |
|       | 21421733    |     | File (5/32) Service Tool         |



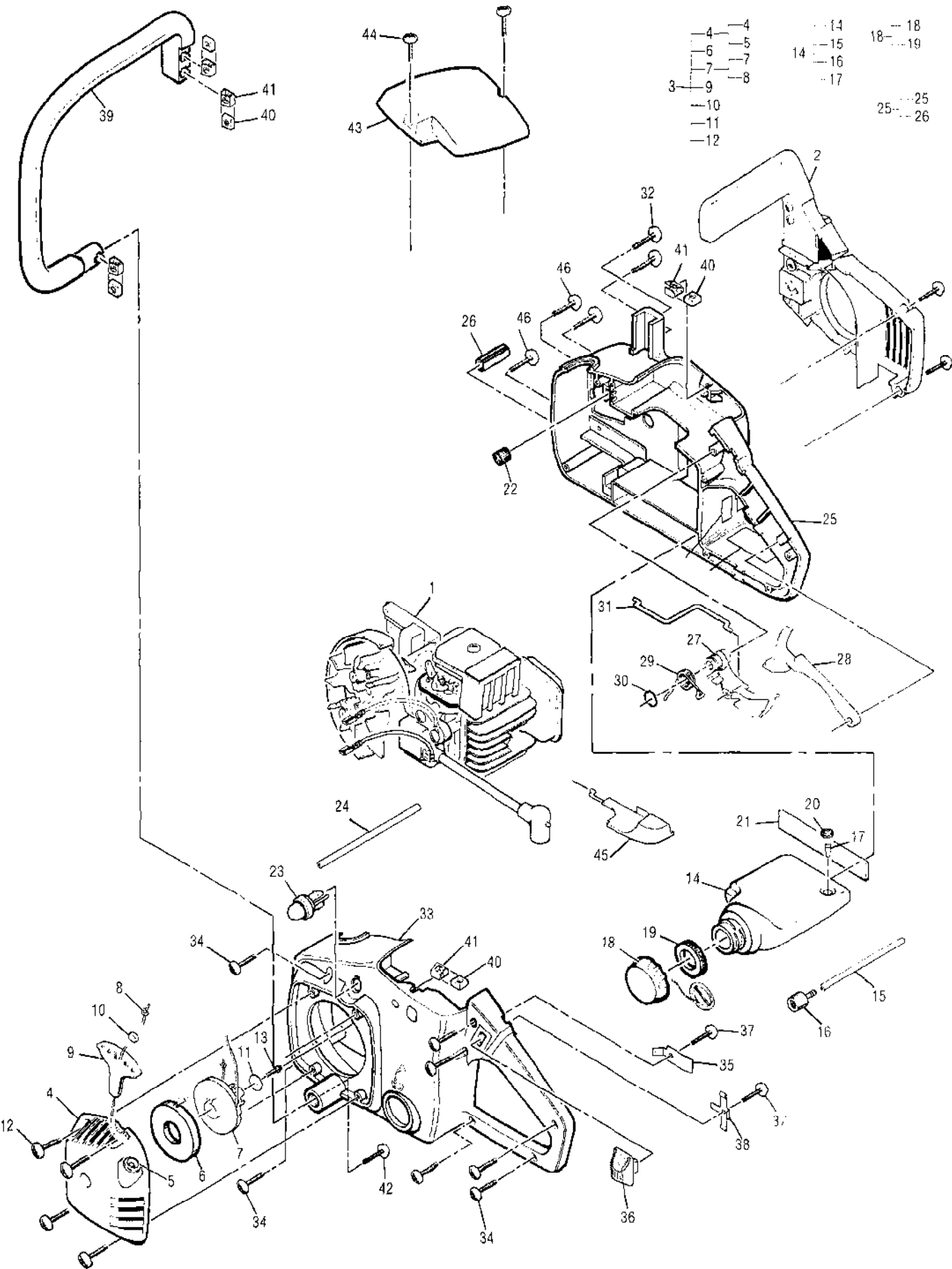
| Ref # | Part Number | Qty | Description                                              |
|-------|-------------|-----|----------------------------------------------------------|
|       | 323653-03   |     | Carburetor, Walbro WT 438                                |
| 1     |             | 1   | Strainer                                                 |
| 2     |             | 1   | Plug, Welch                                              |
| 3     |             | 1   | Valve, Check (Not Included Individually)                 |
| 4     |             | 1   | Retainer, Check Valve (Not Included Individually)        |
| 5     |             | 1   | Nozzle Assembly, Check Valve (Not Included Individually) |
| 6     |             | 1   | Shaft Assembly, Throttle (Not Included Individually)     |
| 7     |             | 1   | Spring, Throttle Return (Not Included Individually)      |
| 8     |             | 1   | Valve, Throttle (Not Included Individually)              |
| 9     |             | 1   | Diaphragm Assembly, Metering (Not Included Individually) |
| 10    |             | 1   | Diaphragm, Pump (Not Included Individually)              |
| 11    |             | 1   | Gasket, Metering Chamber (Not Included Individually)     |
| 12    |             | 1   | Gasket, Pump (Not Included Individually)                 |
| 13    |             | 1   | Cover, Pump (Not Included Individually)                  |
| 14    |             | 1   | Valve, Inlet Needle (Not Included Individually)          |
| 15    |             | 1   | Spring, Metering Lever (Not Included Individually)       |
| 16    |             | 1   | Lever, Metering (Not Included Individually)              |
| 17    |             | 1   | Pin (Not Included Individually)                          |
| 18    |             | 1   | Cover, Metering Chamber (Not Included Individually)      |
| 19    |             | 1   | Spring, Adjust Screw (Not Included Individually)         |
| 20    |             | 1   | Screw, Main Mixture (Not Included Individually)          |
| 21    |             | 1   | Screw, Idle Mixture (Not Included Individually)          |
| 22    |             | 1   | Screw, Throttle Adjust (Not Included Individually)       |
| 23    |             | 1   | Spring, Friction (Not Included Individually)             |
| 24    |             | 1   | Shaft Assembly, Choke (Not Included Individually)        |
| 25    |             | 1   | Valve, Choke (Not Included Individually)                 |
| 26    |             | 1   | Screw, Pin (Not Included Individually)                   |
| 27    |             | 1   | Screw, Throttle/Choke Valve (Not Included Individually)  |
| 28    |             | 2   | Screw, Metering Chamber (Not Included Individually)      |
| 29    |             | 1   | Screw, Pump Cover (Not Included Individually)            |
| 30    |             | 1   | Ball, Steel (Not Included Individually)                  |
| 31    |             | 1   | Collar (Not Included Individually)                       |
| 32    |             | 1   | Lever, Throttle (Not Included Individually)              |
| 33    |             | 1   | Screw, Throttle Lever (Not Included Individually)        |
| 34    |             | 2   | Washer, Limiter (Not Included Individually)              |
| 35    | 111216      | 2   | Cap, Limiter, Hi                                         |
| 36    | 111217      | 1   | Cap, Limiter, Lo                                         |
| 37    |             | 1   | Retainer Limiter (Not Included Individually)             |
|       | 324013      |     | Carburetor Kit Repair A1128WT                            |
|       | 324009      |     | Gasket/Diaphragm B1110WT                                 |



| Ref # | Part Number | Qty | Description                                              |
|-------|-------------|-----|----------------------------------------------------------|
|       | 323653-03   |     | Carburetor, Zama CU1M28C                                 |
|       | 324947-01   |     | Carburetor, Zama C1QM36                                  |
| 1     |             | 1   | Strainer (Not Included Individually)                     |
| 2     |             | 1   | Plug, Welch (Not Included Individually)                  |
| 3     |             | 1   | Valve, Check (Not Included Individually)                 |
| 4     |             | 1   | Retainer, Check Valve (Not Included Individually)        |
| 5     |             | 1   | Nozzle Assembly, Check Valve (Not Included Individually) |
| 6     |             | 1   | Shaft Assembly, Throttle (Not Included Individually)     |
| 7     |             | 1   | Spring, Throttle Return (Not Included Individually)      |
| 8     |             | 1   | Valve, Throttle (Not Included Individually)              |
| 9     |             | 1   | Diaphragm Assembly, Metering (Not Included Individually) |
| 10    |             | 1   | Diaphragm, Pump (Not Included Individually)              |
| 11    |             | 1   | Gasket, Metering Chamber (Not Included Individually)     |
| 12    |             | 1   | Gasket, Pump (Not Included Individually)                 |
| 13    |             | 1   | Cover, Pump (Not Included Individually)                  |
| 14    |             | 1   | Valve, Inlet Needle (Not Included Individually)          |
| 15    |             | 1   | Spring, Metering Lever (Not Included Individually)       |
| 16    |             | 1   | Lever, Metering (Not Included Individually)              |
| 17    |             | 1   | Pin (Not Included Individually)                          |
| 18    |             | 1   | Cover, Metering Chamber (Not Included Individually)      |
| 19    |             | 1   | Spring, Adjust Screw (Not Included Individually)         |
| 20    |             | 1   | Screw, Main Mixture (Not Included Individually)          |
| 21    |             | 1   | Screw, Idle Mixture (Not Included Individually)          |
| 22    |             | 1   | Screw, Throttle Adjust (Not Included Individually)       |
| 23    |             | 1   | Spring, Friction (Not Included Individually)             |
| 24    |             | 1   | Shaft Assembly, Choke (Not Included Individually)        |
| 25    |             | 1   | Valve, Choke (Not Included Individually)                 |
| 26    |             | 1   | Screw, Pin (Not Included Individually)                   |
| 27    |             | 1   | Screw, Throttle/Choke Valve (Not Included Individually)  |
| 28    |             | 2   | Screw, Metering Chamber (Not Included Individually)      |
| 29    |             | 1   | Screw, Pump Cover (Not Included Individually)            |
| 30    |             | 1   | Ball, Steel (Not Included Individually)                  |
| 31    |             | 1   | Collar (Not Included Individually)                       |
| 32    |             | 1   | Lever, Throttle (Not Included Individually)              |
| 33    |             | 1   | Screw, Throttle Lever (Not Included Individually)        |
| 34    |             | 2   | Washer, Limiter (Not Included Individually)              |
| 35    | 111216      | 2   | Cap, Limiter, Hi                                         |
| 36    | 111217      | 1   | Cap, Limiter, Lo                                         |
| 37    |             | 1   | Retainer Limiter (Not Included Individually)             |
|       | 301041      |     | Carburetor Kit Repair RB-39                              |
|       | 301042      |     | Gasket/Diaphragm GND-35                                  |



| Ref # | Part Number | Qty | Description                                        |
|-------|-------------|-----|----------------------------------------------------|
| 1     | 224700      | 1   | Brake Kit Asy, Grey (Choose appropriate color)     |
| 1     | 301558      | 1   | Brake Kit Asy, Yellow (Choose appropriate color)   |
| 1     | 301557      | 1   | Brake Kit Asy, Black (Choose appropriate color)    |
| 2     | 301650      | 1   | Housing Kit Asy, Grey (Choose appropriate color)   |
| 2     | 301559      | 1   | Housing Kit Asy, Yellow (Choose appropriate color) |
| 2     | 301560      | 1   | Housing Kit Asy, Black (Choose appropriate color)  |
| 3     | 216755      | 1   | Latch, Chain Brake                                 |
| 4     |             | 1   | Dowel, Spring                                      |
| 5     |             | 2   | Pin, Dowel                                         |
| 6     | 301038      | 2   | Lever, Brake Asy                                   |
| 7     |             | 1   | Pin, Dowel                                         |
| 8     | 111226      | 1   | Screw, 10-24 x .62 Tr H                            |
| 9     | 323082      | 3   | Guard, Hand Torx 3                                 |
| 10    | 224849      | 1   | Roller                                             |
| 11    | 224847      | 1   | Screw, Shoulder                                    |
| 12    | 224848      | 1   | Stop, Brake                                        |
| 13    | 300294      | 1   | Screw, 8-16 x .75 Tr Hd Plastite                   |
| 14    | 301037      | 1   | Band. Brake                                        |
| 15    |             | 1   | Pin Spring (.125 x .50)                            |
| 16    | 322204      | 1   | Spring. Compression                                |
| 17    | 218005      | 1   | Nut, Square 10-24                                  |
| 18    | 300275      | 1   | Shield                                             |
| 19    | 300271      | 1   | Spacer Bar Pad                                     |
| 20    | 111101      | 1   | Screw. 4-40 x 5/16 Taptite                         |
| 21    | 322194      | 1   | Seal, Foam                                         |
| 22    | 300299      | 2   | Screw 8-16 x 1.0 Tr Hd Plastite                    |
| 23    | 46703-41    | 1   | Label Safety                                       |
| 24    | 322181      | 1   | Spike Bucking (Optional accessory)                 |

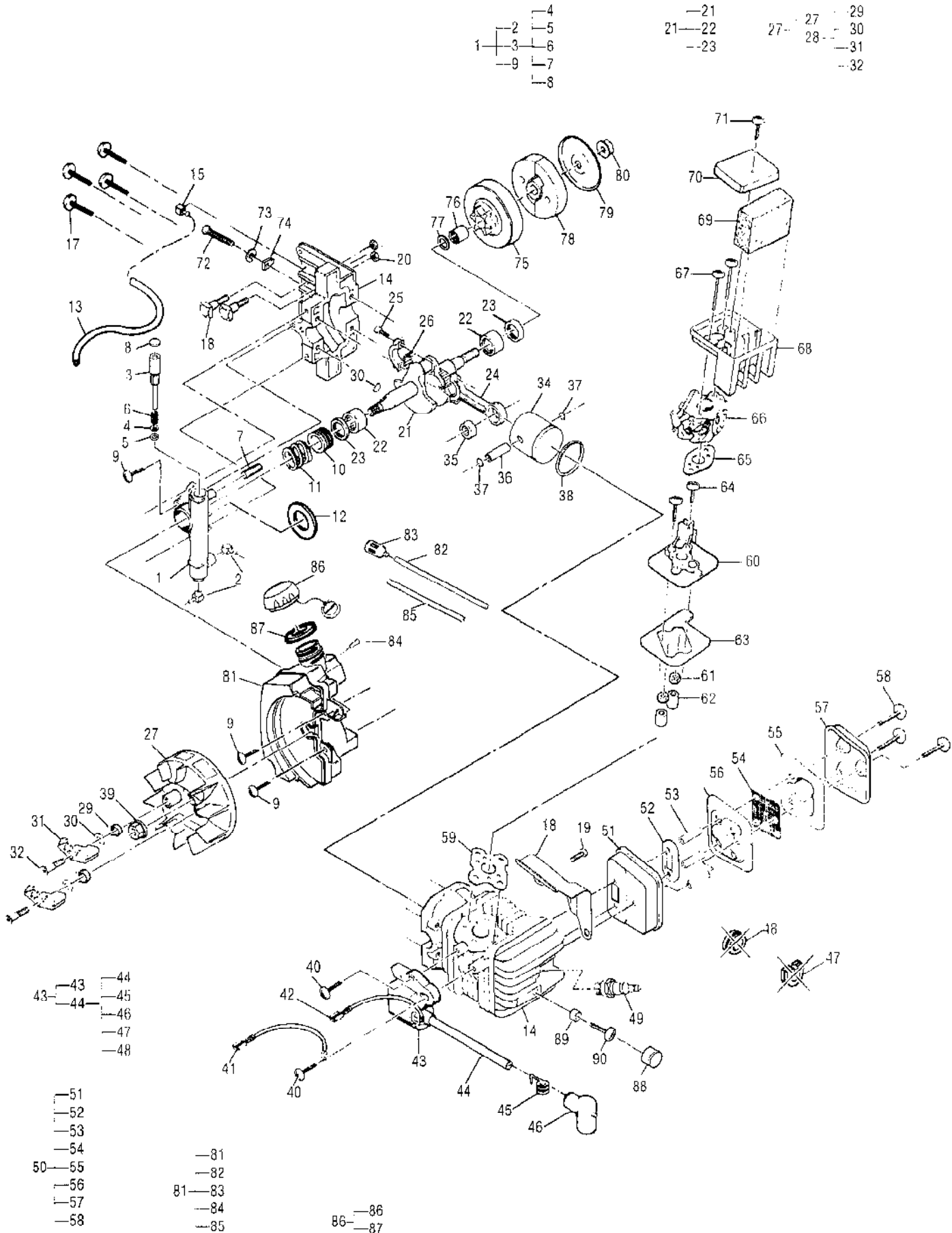


| Ref # | Part Number | Qty | Description                                                               |
|-------|-------------|-----|---------------------------------------------------------------------------|
| 1     |             |     | Powerhead Asy (See "Powerhead Assembly" illustration and parts list)      |
| 2     |             |     | Chain Brake Asy (See "Chain Brake Assembly" illustration and parts list)  |
| 3     | 300858      | 1   | Starter Housing Asy, Grey (Choose appropriate color)                      |
| 3     | 300264      | 1   | Starter Housing Asy, Yellow (Choose appropriate color)                    |
| 3     | 301078      | 1   | Starter Housing Asy, Black (Choose appropriate color)                     |
| 4     | 301651      | 1   | Housing/Rope Guide Asy, Grey (Choose appropriate color)                   |
| 4     | 301044      | 1   | Housing/Rope Guide Asy, Yellow (Choose appropriate color)                 |
| 4     | 301654      | 1   | Housing/Rope Guide Asy, Black (Choose appropriate color)                  |
| 5     |             | 1   | Rope Guide (Not available individually)                                   |
| 6     | 300475      | 1   | Spring, Starter Rewind                                                    |
| 7     | 301043      | 1   | Rope/Drum Asy (32cc)                                                      |
| 8     | 300300      | 1   | Rope, Starter                                                             |
| 9     | 87851       | 1   | Handle, Starter                                                           |
| 10    | 223944      | 1   | Bushing, Starter                                                          |
| 11    | 300297      | 1   | Washer, .19 ID x .68 OD                                                   |
| 12    | 300294      | 1   | Screw, 8-16 x .75 Torx Hd Plast                                           |
| 13    | 300294      | 4   | Screw, 8-16 x .75 Torx Hd Plastite                                        |
| 14    | 300260      | 1   | Oil Tank Asy                                                              |
| 15    | 300289      | 1   | Hose, Oil Pick-up                                                         |
| 16    | 225062      | 1   | Pickup, Oil                                                               |
| 17    | 300256      | 1   | Valve, Duckbill                                                           |
| 18    | 300565      | 1   | Oil Cap Asy w/Retainer                                                    |
| 19    | 300269      | 1   | Gasket, Oil Cap                                                           |
| 20    | 300259      | 1   | Filter, Foam                                                              |
| 21    | 322195      | 1   | Spacer, Oil Tank                                                          |
| 22    | 300259      | 1   | Filter, Foam                                                              |
| 23    | 224242-02   | 1   | Primer, Remote                                                            |
| 24    | 300298      | 1   | Hose                                                                      |
| 25    | 301049      | 1   | Housing/Pin Asy, Right                                                    |
| 26    | 111098      | 1   | Pin. Roll 1/4 x 1.0 L                                                     |
| 27    | 224821      | 1   | Trigger Throttle                                                          |
| 28    | 224822      | 1   | Latch Throttle                                                            |
| 29    | 224823      | 1   | Spring, Torsional                                                         |
| 30    | 111128      | 1   | "O" Ring                                                                  |
| 31    | 224827      | 1   | Rod, Throttle                                                             |
| 32    | 111226      | 2   | Screw 10-24 x .62 Tr Hd Torx Torque to 40-50 IN/LBS Loctite 262 required. |
| 33    | 32394561    | 1   | Engine Housing, Left, Blk                                                 |
| 34    | 300294      | 7   | Screw 8-16 x .75 Tr Hd. Plastite                                          |
| 35    | 224845      | 1   | Contact, Ground                                                           |
| 36    | 68846       | 1   | Button, Stop Switch                                                       |
| 37    | 223357      | 2   | Screw 8-16 Plastite                                                       |
| 38    | 224844      | 1   | Contact, Ignition                                                         |

| Ref # | Part Number | Qty | Description                                        |
|-------|-------------|-----|----------------------------------------------------|
| 39    | 22483601    | 1   | Handle, Front                                      |
| 40    | 218005      | 5   | Nut, Square 10-24                                  |
| 41    | 300292      | 5   | Retainer Nut                                       |
| 42    | 217936      | 1   | Screw 10-24 x .75 Tr Torx                          |
| 43    | 224830      | 1   | Cover, Air Filter (Choose appropriate color)       |
| 43    | 322834      | 1   | Cover, Air Filter, Grey (Choose appropriate color) |
| 44    | 111099      | 2   | Screw 10-24 x .625 Pn Hd Torx                      |
| 45    | 22482601    | 1   | Slide Choke                                        |
| 46    | 111226      | 4   | Screw, 10-24 x .62 Tr Hd Torx                      |

No  
Diagram  
Available  
  
Parts List  
Only

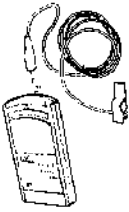
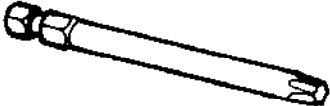
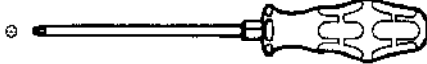
| Ref # | Part Number | Qty | Description                      |
|-------|-------------|-----|----------------------------------|
|       | 322235-02   |     | LOCTITE KIT                      |
|       | 322236      |     | RETAINING COMPOUND 620 (10 ml)   |
|       | 322237      |     | THREAD LOCKER 242 (10 ml)        |
|       | 322238      |     | GASKET ELIMINATOR 518 (50 ml)    |
|       | 322239-01   |     | BLACK MAX ADHESIVE 380 (1 oz)    |
|       | 323749      |     | THREAD LOCKER 262 (10 ml)        |
|       | 323762      |     | Anti-Seize Lubricant 767 (30 ml) |



| Ref # | Part Number | Qty | Description                                                                |
|-------|-------------|-----|----------------------------------------------------------------------------|
| 1     | 301304      | 1   | Oil Pump Asy                                                               |
| 2     | 322182      | 2   | Fitting                                                                    |
| 3     | 301084      | 1   | Kit, Gear/Plunger Asy                                                      |
| 4     | 110582      | 1   | Washer                                                                     |
| 5     |             | 1   | O-Ring (Not Available Individually)                                        |
| 6     |             | 1   | Spring (Not Available Individually)                                        |
| 7     |             | 1   | Pin, Dowel (Not Available Individually)                                    |
| 8     | 322187      | 1   | Plug, Oil Pump Distributer Stocked. Medium to slow moving part.            |
| 9     | 111226      | 2   | Screw, 10-24 x .62 Tr Hd Torx Torque to 30-40 IN/LBS Loctite 262 required. |
| 10    | 224814      | 1   | Worm Gear                                                                  |
| 11    | 224840      | 1   | Spring, Compression                                                        |
| 12    | 300295      | 1   | Seal, Foam, Oil Pump                                                       |
| 13    | 300288      | 1   | Connecting Hose                                                            |
| 14    |             | 1   | Cyl/C'case/Bar Bolt Asy, 38cc (Not Available Individually)                 |
| 15    | 83856-01    | 2   | Bolt, Bar                                                                  |
| 16    | 300257      | 1   | Fitting                                                                    |
| 17    | 111083      | 4   | Screw, 12-24 x 1.0 Hx Wshr Hd                                              |
| 18    | 323923      | 1   | Baffle, Air                                                                |
| 19    | 111054      | 1   | Screw, 10-24 x .625                                                        |
| 20    | 110676      | 2   | Nut, Hx 1/4-28 Flange                                                      |
| 21    | 302140      | 1   | Crankshaft/Bearing Asy                                                     |
| 22    | 213282      | 2   | Bearing, C'shaft                                                           |
| 23    | 83859       | 2   | Seal, C'shaft Oil                                                          |
| 24    |             | 1   | Connecting Rod/Bearing (Not Available Individually)                        |
| 25    | 94654       | 2   | Screw, Conn Rod                                                            |
| 26    | 68095       | 1   | Set, Roller Pins                                                           |
| 27    | 302220      | 1   | Flywheel/Pawl Asy                                                          |
| 28    | 300763-01   | 2   | Kit, Flywheel Pawls                                                        |
| 29    | 216982      | 2   | Spring, Starter Pawl                                                       |
| 30    | 111131      | 2   | Washer, Sp .469 OD x .222 ID                                               |
| 31    |             | 2   | Pawls (Not Available Individually)                                         |
| 32    | 322721      | 2   | Pin, Starter Pawl                                                          |
| 33    | 102164      | 1   | Key, Flywheel (Dealer stocked. Fast to medium moving part.)                |
| 34    |             | 1   | Piston (Not Available Individually)                                        |
| 35    |             | 1   | Bearing, Needle-Drawn Cup (Not Available Individually)                     |
| 36    | 323943      | 1   | Pin, Piston                                                                |
| 37    | 111026      | 2   | Ring, Snap                                                                 |
| 38    |             | 1   | Piston, Ring (Not Available Individually)                                  |
| 39    | 110961      | 1   | Nut, Hx 5/16-24 Torque to 180 IN/LBS                                       |
| 40    | 217936      | 2   | Screw, Tr 10-24 x .75 Torx                                                 |
| 41    | 300555      | 1   | Wire Asy, Ground                                                           |
| 42    | 300556      | 1   | Wire Asy, Stop Switch                                                      |
| 43    | 302138      | 1   | Ignition Asy                                                               |
| 44    | 223884      | 1   | Kit, Plug Wire                                                             |
| 45    | 102556      | 1   | Connector                                                                  |
| 46    | 95266       | 1   | Boot                                                                       |
| 47    | 110995      | 1   | Grommet                                                                    |
| 48    | 215533-01   | 1   | Grommet                                                                    |

| Ref # | Part Number | Qty | Description                                                                                                  |
|-------|-------------|-----|--------------------------------------------------------------------------------------------------------------|
| 49    | 322208      | 1   | Spark Plug RDJ7Y Torque to 150 IN/LBS                                                                        |
| 50    | 301045      | 1   | Muffler Asy                                                                                                  |
| 51    | 300280      | 1   | Body                                                                                                         |
| 52    | 300281      | 1   | Plate, Reinforcing                                                                                           |
| 53    | 300284      | 3   | Spacer                                                                                                       |
| 54    | 300282      | 1   | Baffle, Inner Muffler                                                                                        |
| 55    | 300286      | 1   | Screen, Spark Arrester                                                                                       |
| 56    | 300283      | 1   | Baffle, Outer                                                                                                |
| 57    | 323637      | 1   | Cover, Muffler                                                                                               |
| 58    | 111093      | 3   | Screw, 10-24 x 1.75 Tr Hd Torx Torque to 50 IN/LBS                                                           |
| 59    | 300265      | 1   | Gasket, Insulator                                                                                            |
| 60    | 224820      | 1   | Insulator, Carburetor                                                                                        |
| 61    | 218315      | 2   | Nut. Hx 10-24                                                                                                |
| 62    | 322188      | 2   | Spacer, Rubber                                                                                               |
| 63    | 224850      | 1   | Seal, Foam                                                                                                   |
| 64    | 217937      | 2   | Screw Tr 10-24 x 1.00 Torx Torque to 30-40 IN/LBS<br>Loctite 262 required.                                   |
| 65    | 300293      | 1   | Gasket, Carburetor                                                                                           |
| 66    |             | 1   | Carburetor/Choke Asy (Not Available Individually),<br>See "Carburetor Assembly" illustration and parts list. |
| 67    | 218083      | 2   | Screw Tr 10-24 x 2.0 Torx Torque to 30-40 IN/LBS<br>Loctite 262 required.                                    |
| 68    | 224824      | 1   | Box. Air Filter                                                                                              |
| 69    | 224831      | 1   | Filter, Air                                                                                                  |
| 70    | 224825      | 1   | Shield Carburetor                                                                                            |
| 71    | 111055      | 1   | Screw 10-14 x .625 Plastite                                                                                  |
| 72    | 223088      | 1   | Screw, Adjusting                                                                                             |
| 73    | 110907      | 1   | Ring, Retaining                                                                                              |
| 74    | 68656       | 1   | Nut, Bar Adjusting                                                                                           |
| 75    | 302768      | 1   | Drum/Sprocket/Bearing Asy                                                                                    |
| 76    | 91117       | 1   | Bearing                                                                                                      |
| 77    | 215259      | 1   | Washer Sprocket                                                                                              |
| 78    | 301463      | 1   | Kit, Clutch Asy                                                                                              |
| 79    | 300276      | 1   | Plate, Dust                                                                                                  |
| 80    | 111079      | 1   | Nut, Clutch, 5/16-24 LH Torque to 180 IN/LBS                                                                 |
| 81    | 301834      | 1   | Fuel Tank Asy                                                                                                |
| 82    | 300289      | 1   | Hose Fuel Pickup                                                                                             |
| 83    | 216985      | 1   | Filter Fuel                                                                                                  |
| 84    | 322199      | 1   | Valve Duckbill                                                                                               |
| 85    | 300290      | 1   | Hose. Primer Retain                                                                                          |
| 86    | 300564      | 1   | Cap. Fuel Asy. w/Retainer                                                                                    |
| 87    | 300267      | 1   | Gasket. Fuel Cap                                                                                             |
| 88    | 322200      | 1   | Cover Cylinder                                                                                               |
| 89    | 322201      | 1   | Cover. Spacer                                                                                                |
| 90    | 217936      | 1   | Screw 10-24 x .75 Tr Torx                                                                                    |
|       | 301284      |     | 38cc Shortblock Asy.                                                                                         |

SERVICE TOOLS

|                                                                                                                        |                                                                                                                                                      |                                                                                                                     |                                                                                                                           |                                                                                                               |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|
| <br>PN 111124 - T-27 Torx Dr 3.5 in.. | <br>PN 217720 - Torx Dr Set                                         | <br>PN 323330<br>Ignition Tester | <br>PN 215432-01<br>Pressure Test Tool | <br>PN 91424<br>Tachometer |
| <br>PN 222785 - T-25 Torx dr 3.5 in.. | <br>PN 323754 - Torx Dr Set of 6<br>Bit Sizes: Tx 10,15,20,25,27,30 |                                                                                                                     |                                                                                                                           |                                                                                                               |

| Ref #    | Part Number | Qty | Description                                             |
|----------|-------------|-----|---------------------------------------------------------|
| 111124   | 111124      | 1   | T-27 Torx Dr., 3.5 in.                                  |
| 222785   | 222785      | 1   | T-25 Torx Dr., 3.5 in.                                  |
| 217720   | 217720      | 1   | Torx Dr Set                                             |
| 323754   | 323754      | 11  | Torx Dr Set of 6 (Bit Sizes: Tx 10, 15, 20, 25, 27, 30) |
| 323330   | 323330      | 1   | Ignition Tester                                         |
| 21543201 | 215432-01   | 1   | Pressure Test Tool                                      |
| 91424    | 91424       | 1   | Tachometer                                              |