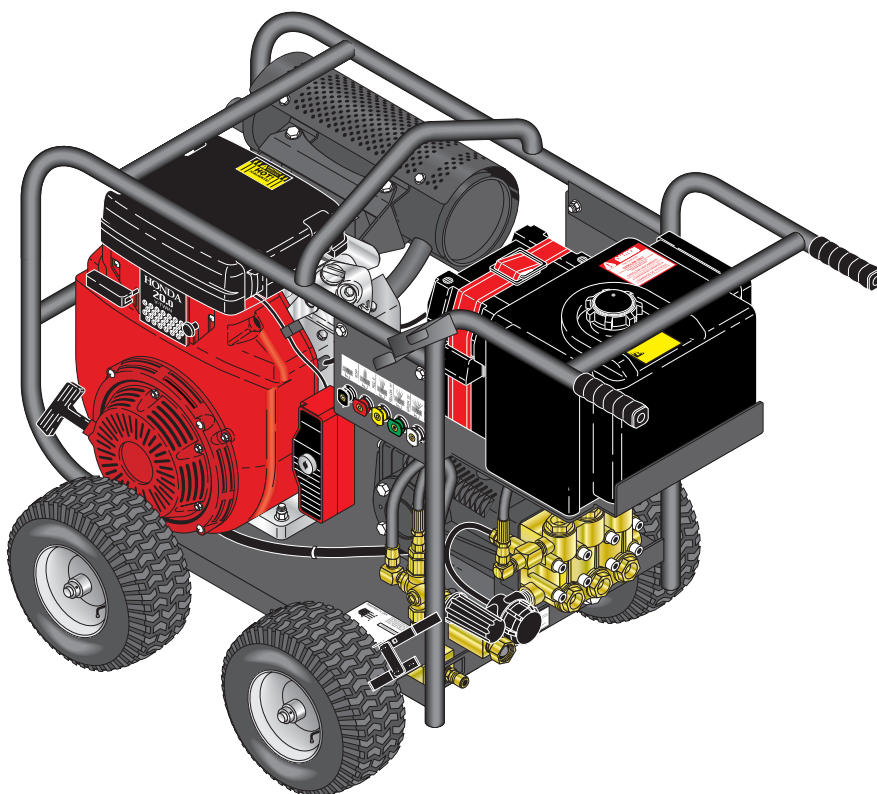




# KÄRCHER

## OPERATOR'S MANUAL

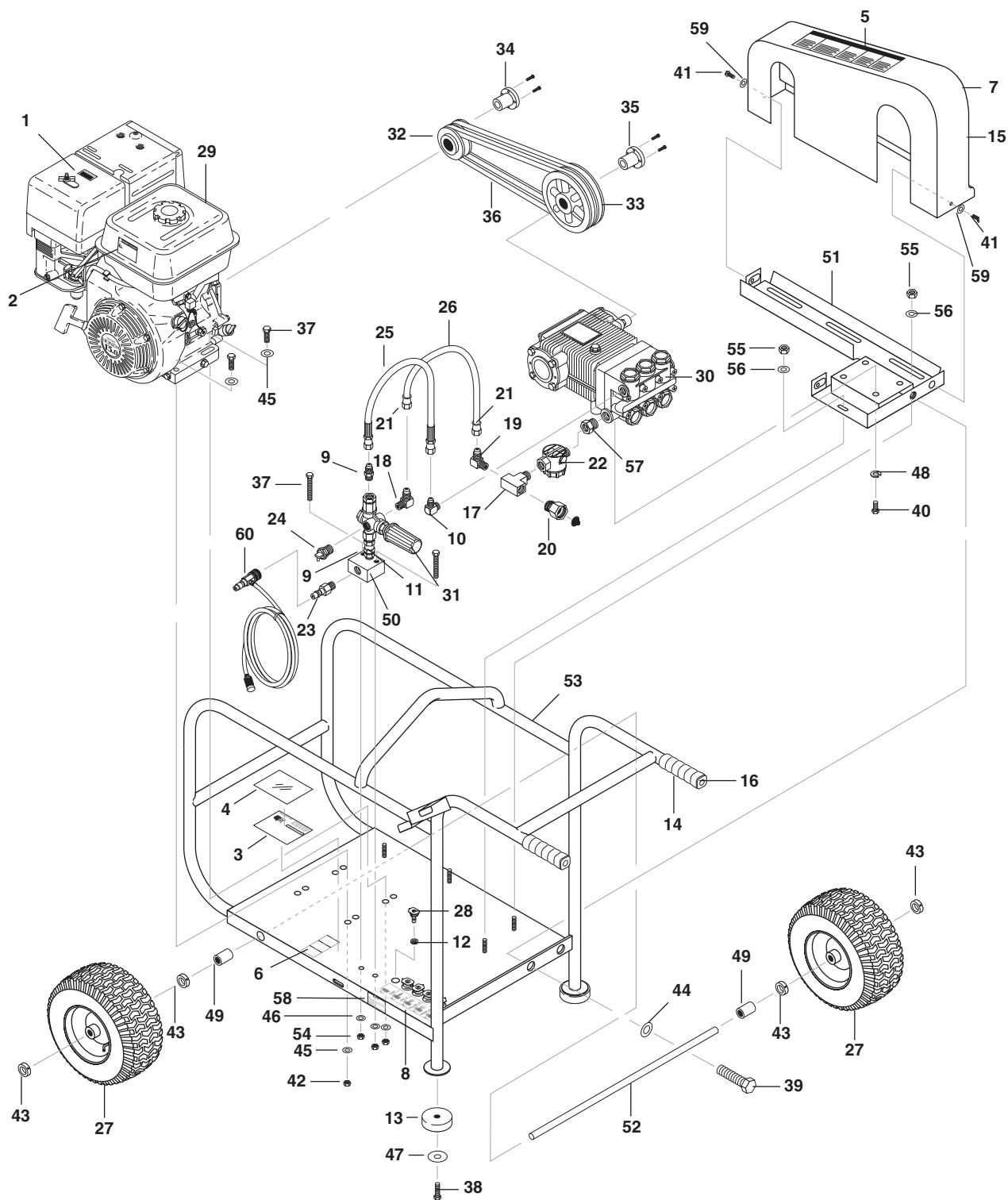


| MODEL #           | ORDER #     | MODEL #     |
|-------------------|-------------|-------------|
| HD 4.0/50 Pb Cage | 1.575-200.0 | BR-405037 E |
| HD 4.5/50 Pb Cage | 1.575-201.0 | BR-455037E  |
| HD 3.4/30 Db Cage | 1.575-202.0 | BR-343087E  |
| HD 3.0/40 Pb Cage | 1.575-203.0 | BR-304037   |
| HD 3.5/32 Pb Cage | 1.575-204.0 | BR-353237   |
| HD 3.7/35 Pb Cage | 1.575-205.0 | BR-373537   |
| HD 4.4/20 Pb Cage | 1.575-206.0 | BR-442537   |
| HD 4.0/40 Pb Cage | 1.575-207.0 | BR-404027   |

To locate your local Kärcher Commercial Pressure Washer Dealer nearest you,  
please visit [www.karchercommercial.us](http://www.karchercommercial.us)

9.800-084.0

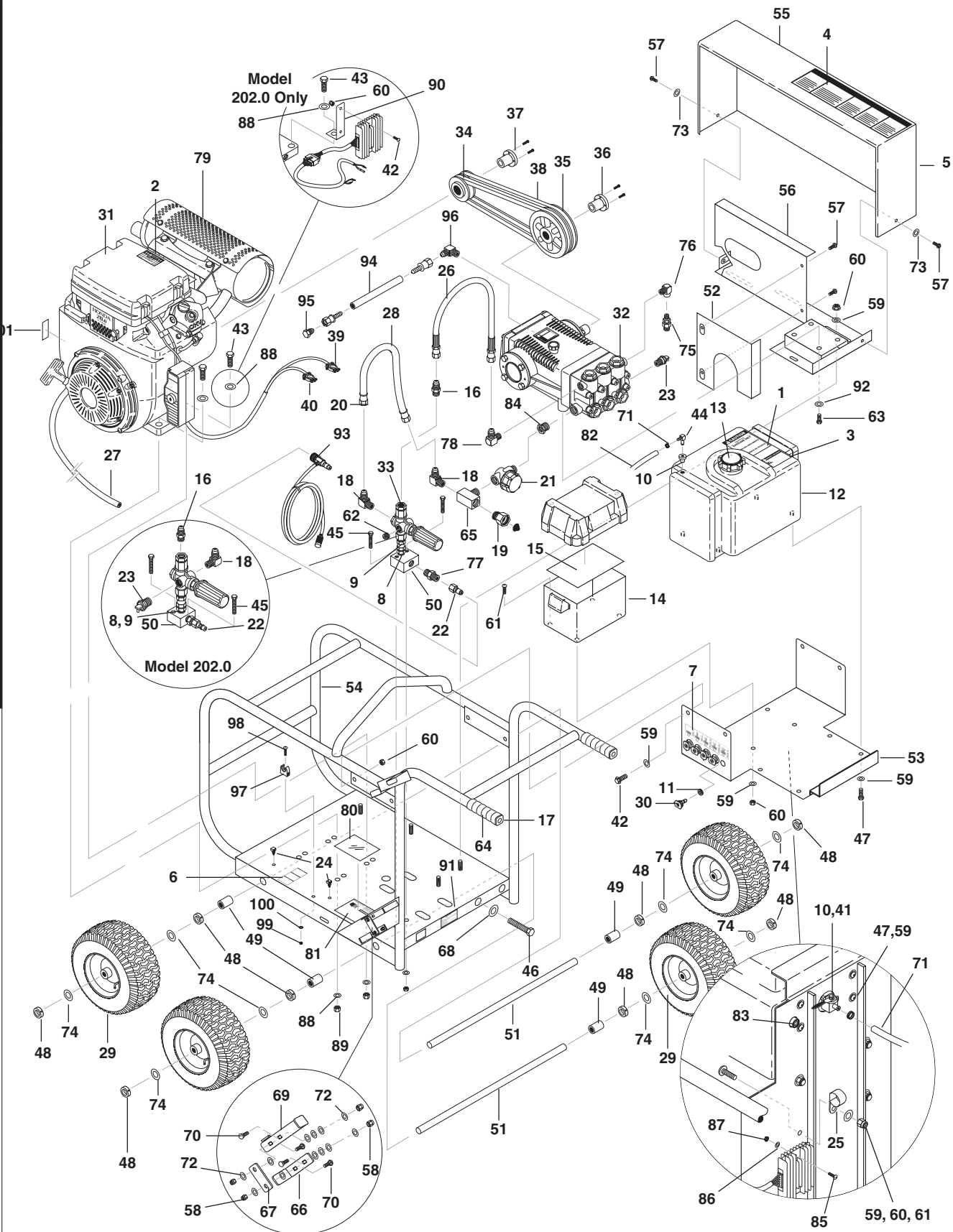
# EXPLODED VIEW - SMALL



## EXPLODED VIEW PARTS LIST- SMALL

| ITEM | PART NO.    | DESCRIPTION                                   | QTY | ITEM | PART NO.    | DESCRIPTION                                           | QTY |
|------|-------------|-----------------------------------------------|-----|------|-------------|-------------------------------------------------------|-----|
| 1    | 9.800-006.0 | Label, "Hot/Caliente" w/<br>Arrows Warning    | 1   | 28   | 8.712-331.0 | Nozzle, SAQCMEG .0003, Red<br>(203)                   | 1   |
| 2    | 9.800-008.0 | Label, Danger Cool Engine                     | 1   |      | 8.712-333.0 | Nozzle, SAQCMEG 1503,<br>Yellow (203)                 | 1   |
| 3    | 8.932-968.0 | Label, Intended For<br>Outdoor Use            | 1   |      | 8.712-334.0 | Nozzle, SAQCMEG 2503, Green<br>(203)                  | 1   |
| 4    | 9.800-034.0 | Label, Clear Lexan,<br>2-1/4" x 4-1/2"        | 1   |      | 8.712-335.0 | Nozzle, SAQCMEG 2504, White<br>(203)                  | 1   |
| 5    | 9.800-036.0 | Label, Warning, Pictoral, Small               | 1   | 29   |             | Engine, See Specifications                            |     |
| 6    | 9.803-842.0 | Label, Instructions                           | 1   | 30   |             | Pump, See Specifications                              |     |
| 7    | 8.901-146.0 | Label, Belt Guard, BR (203, 204,<br>205, 206) | 1   | 31   |             | Unloader, See Specifications                          |     |
| 8    | 8.932-967.0 | Label, Nozzle Identification                  | 1   | 32   |             | Engine Pulley, See Specifications                     |     |
| 9    | 9.802-036.0 | Nipple, 1/2" JIC, 3/8" Pipe                   | 2   | 33   |             | Pump Pulley, See Specifications                       |     |
| 10   | 9.802-039.0 | Elbow, 1/2" JIC, 3/8", 90°                    | 1   | 34   |             | Engine Bushing,<br>See Specifications                 |     |
| 11   | 9.802-048.0 | Swivel, 1/2" JIC Fem, 3/8" Male               | 1   | 35   |             | Pump Bushing, See Specifications                      |     |
| 12   | 9.802-064.0 | Grommet, Rubber, Nozzle Holder                | 5   | 36   |             | Belt, See Specifications                              |     |
| 13   | 9.802-066.0 | Pad, Soft Rubber, 50 Duro                     | 2   | 37   | 9.802-728.0 | Bolt, 3/8" x 2" NCHH                                  | 6   |
| 14   | 9.802-070.0 | Grip, 1" Square, Handle                       | 2   | 38   | 9.802-723.0 | Bolt, 3/8" x 1-1/2", NC HH                            | 2   |
| 15   | 9.802-092.0 | Belt Guard, CW                                | 1   | 39   | 9.802-740.0 | Bolt, 1/2" x 3-1/2", NC HH                            | 1   |
| 16   | 9.802-107.0 | Fastener, Ratchet, Black Nylon                | 2   | 40   | 9.802-744.0 | Bolt, 10mm x 20mm, HH                                 | 4   |
| 17   | 9.802-118.0 | Elbow, 1/2" Street, Brass                     | 1   | 41   | 9.802-753.0 | Screw, 1/4" x 3/4" HH NC, Whiz                        | 3   |
| 18   | 9.802-129.0 | Elbow, 1/2" JIC x 3/8", 90°                   | 1   | 42   | 9.802-779.0 | Nut, 3/8" ESNA, NC                                    | 4   |
| 19   | 9.802-131.0 | Elbow, 1/2" JIC x 1/2", 90°                   | 1   | 43   | 9.802-782.0 | Collar, 5/8" Bore Shaft 3010                          | 4   |
| 20   | 9.802-146.0 | Swivel, 1/2" MP x 3/4" GHF<br>w/Strainer      | 1   | 44   | 9.802-800.0 | Washer, 1/2" Flat                                     | 1   |
| 21   | 9.802-151.0 | Swivel, 1/2" JIC Fem, Push-On                 | 2   | 45   | 9.802-807.0 | Washer, 3/8" Flat, SAE                                | 8   |
| 22   | 9.802-163.0 | Strainer, 1/2" PA, Inline Plastic             | 1   | 46   | 9.802-807.0 | Washer, 3/8" Flat, SAE                                | 2   |
| 23   | 9.802-171.0 | Nipple, 3/8" x 3/8" NPT ST Male               | 1   | 47   | 9.802-817.0 | Washer, 3/8" x 1"                                     | 2   |
| 24   | 8.707-254.0 | Pump Protector, 3/8" PTP                      | 1   | 48   | 9.802-816.0 | Washer, 7/16", Lock Split Ring                        | 4   |
| 25   | 9.802-239.0 | Hose, 3/8" x 20", 2 Wire, Pres-<br>sure Loop  | 1   | 49   | 9.802-820.0 | Washer, Nylon Spacer, 0.656" x<br>1.25" x 0.65" Thick | 2   |
| 26   | 9.802-259.0 | Hose, 1/2", Push-On                           | 15" | 50   | 9.802-870.0 | Block, Unloader, 3/8" x 3/8"<br>Brass                 | 1   |
| 27   | 9.802-271.0 | Wheel & Tire Assy, 6" Steel Rim<br>w/Tube     | 2   | 51   | 8.911-842.0 | Slider, Pump/Belt Guard Mount,<br>Red                 | 1   |
| 28   | 8.712-345.0 | Nozzle, SAQCMEG 0004, Red<br>(204, 205)       | 1   | 52   | 9.803-110.0 | Axle, 5/8" x 27.80 L                                  | 1   |
|      | 8.712-346.0 | Nozzle, SAQCMEG 1504,<br>Yellow (204, 205)    | 1   | 53   | 8.912-441.0 | Assy, Weld, CW Cage, Small Red                        | 1   |
|      | 8.712-347.0 | Nozzle, SAQCMEG 2504, Green<br>(204, 205)     | 1   | 54   | 9.802-779.0 | Nut, 3/8" ESNA, NC                                    | 2   |
|      | 8.712-348.0 | Nozzle, SAQCMEG 4004, White<br>(204, 205)     | 1   | 55   | 9.802-776.0 | Nut, 5/16" ESNA                                       | 4   |
|      | 8.712-357.0 | Nozzle, SAQCMEG 0005.5, Red<br>(206)          | 1   | 56   | 8.718-980.0 | Washer, 5/16" Flat                                    | 7   |
|      | 8.712-358.0 | Nozzle, SAQCMEG 1505.5, Yel-<br>low (206)     | 1   | 57   | 8.706-984.0 | Adapter, 1/2 x 1/2 (203, 204, 205,<br>206)            | 1   |
|      | 8.712-359.0 | Nozzle, SAQCMEG 2505.5,<br>Green (206)        | 1   | 58   | 9.800-049.0 | Label, Manufacturer's Cleaning<br>Solution            | 1   |
|      | 8.712-360.0 | Nozzle, SAQCMEG 4005.5, White<br>(206)        | 1   | 59   | 9.802-802.0 | Washer, 1/4" Flat                                     | 3   |
|      |             |                                               |     | 60   | 9.802-225.0 | Chemical Injector Assy, 3-5<br>GPM, .83               | 1   |

# EXPLODED VIEW



## EXPLODED VIEW PARTS LIST

| ITEM | PART NO.    | DESCRIPTION                                                        | QTY      |
|------|-------------|--------------------------------------------------------------------|----------|
| 1    | 9.800-001.0 | Label, This Tank For Gas Only (200.0, 201.0)                       | 1        |
|      | 9.800-000.0 | Label, Diesel (202.0)                                              | 1        |
| 2    | 9.800-006.0 | Label, "Hot/Caliente" w/Arrows                                     | 1        |
| 3    | 9.800-008.0 | Label, Danger Cool Engine (200.0, 201.0)                           | 1        |
| 4    | 9.800-036.0 | Label, Warning Pictoral (Small)                                    | 1        |
| 5    | 9.800-047.0 | ▲ Label, Logo Belt Guard                                           | 1        |
| 6    | 9.803-842.0 | Label, Instructions                                                | 1        |
| 7    | 9.800-010.0 | Label, Nozzle Identification                                       | 1        |
| 8    | 9.802-036.0 | Nipple, 1/2" JIC, 3/8" Pipe                                        | 1        |
| 9    | 9.802-048.0 | Swivel, 1/2" JIC Fem, 3/8" Male                                    | 1        |
| 10   | 9.802-053.0 | Bushing, Rubber, Nitrile (202.0)<br>(200.0, 201.0)                 | 2<br>1   |
| 11   | 9.802-064.0 | Grommet, Rubber, Nozzle Holder                                     | 5        |
| 12   | 9.802-079.0 | Tank, Encore, 5 Gallon Tank                                        | 1        |
| 13   | 9.802-089.0 | Cap, Fuel Tank, Plastic                                            | 1        |
| 14   | 9.802-090.0 | Battery, Box                                                       | 1        |
| 15   | 9.802-091.0 | Plate, Battery Box, Small, Polypro                                 | 1        |
| 16   | 9.802-036.0 | Nipple 1/2" JIC x 3/8" Male (202.0)                                | 1        |
|      | 9.802-037.0 | Nipple, 1/2" JIC x 3/8" Female (200.0, 201.0)                      | 1        |
| 17   | 9.802-107.0 | Fastener, Ratchet, Black Nylon                                     | 2        |
| 18   | 9.802-131.0 | Elbow, 1/2" JIC x 1/2", 90° (202.0)<br>(200.0, 201.0)              | 2<br>1   |
|      | 9.802-129.0 | Elbow, 1/2" JIC x 3/8", 90° (202.0)                                | 1        |
| 19   | 9.802-146.0 | Swivel, 1/2"MP x 3/4" GHF w/Strainer                               | 1        |
| 20   | 9.802-151.0 | Swivel, 1/2" JIC Fem, Push-On                                      | 2        |
| 21   | 9.802-163.0 | Strainer, 1/2" PA, Inline Plastic                                  | 1        |
| 22   | 9.802-168.0 | Nipple, 3/8" Female, 11,000 PSI" (200.0, 201.0)                    | 1        |
|      | 9.802-171.0 | Nipple, 3/8" x 3/8" NPT ST Male (202.0)                            | 1        |
| 23   | 9.802-182.0 | Pump Protector, 1/2" PTP (200.0, 201.0)                            | 1        |
|      | 9.802-181.0 | Pump Protector, 3/8" (202.0)                                       | 1        |
| 24   | 9.803-844.0 | Cable Tie, Wrap (200.0, 201.0)<br>(202.0)                          | 2<br>3   |
| 25   | 9.802-207.0 | Clamp, Round, 0.56 I.D. (200.0, 201.0)                             | 1        |
| 26   | 9.802-247.0 | Hose, 3/8" x 14", 2 Wire, 5800 PSI Pressure<br>Loop (200.0, 201.0) | 1        |
|      | 9.802-238.0 | Hose, 3/8" x 1/4", 2 Wire Pressure (202.0)                         | 1        |
| 27   | 9.802-254.0 | Hose, 1/4", Push-On, Fuel Line                                     | 4.75 ft. |
| 28   | 9.802-259.0 | Hose, 1/2", Push-On                                                | 1.25 ft. |
| 29   | 9.802-271.0 | Wheel & Tire Assembly, 6"                                          | 4        |
| 30   | 9.802-291.0 | Nozzle, SAQCMEG, 0003.5, Red (200.0)                               | 1        |
|      | 9.802-292.0 | Nozzle, SAQCMEG 1503.5, Yellow (200.0)                             | 1        |
|      | 9.802-293.0 | Nozzle, SAQCMEG, 2503.5, Green (200.0)                             | 1        |
|      | 9.802-294.0 | Nozzle, SAQCMEG 4003.5, White (200.0)                              | 1        |
|      | 9.802-295.0 | Nozzle, SAQCMEG 0004, Red (201.0, 202.0)                           | 1        |
|      | 9.802-296.0 | Nozzle, SAQCMEG 1504, Yellow (201.0, 202.0)                        | 1        |
|      | 9.802-297.0 | Nozzle, SAQCMEG 2504, Green (201.0, 202.0)                         | 1        |
|      | 9.802-298.0 | Nozzle, SAQCMEG 4004, White (201.0, 202.0)                         | 1        |

## EXPLODED VIEW PARTS LIST- LARGE

| ITEM | PART NO.                                 | DESCRIPTION                                           | QTY      |
|------|------------------------------------------|-------------------------------------------------------|----------|
| 30   | 9.802-311.0                              | Nozzle COMPL, QCEM-6540, Brass                        | 1        |
| 31   | Engine, See Specifications Pages         |                                                       |          |
| 32   | Pump, See Specifications Pages           |                                                       |          |
| 33   | Unloader, See Specifications Pages       |                                                       |          |
| 34   | Engine Pulley, See Specifications Pages  |                                                       |          |
| 35   | Pump Pulley, See Specifications Pages    |                                                       |          |
| 36   | Pump Bushing, See Specifications Pages   |                                                       |          |
| 37   | Engine Bushing, See Specifications Pages |                                                       |          |
| 38   | Belts, See Specifications Pages          |                                                       |          |
| 39   | 9.802-503.0                              | Cable, Battery, 32" Red, 4 Gauge                      | 1        |
| 40   | 9.802-504.0                              | Cable, Battery, 36" Black, 4 Gauge                    | 1        |
| 41   | 9.802-177.0                              | Valve, Shut-Off, 1/4 Turn                             | 1        |
| 42   | 9.802-710.0                              | Bolt, 5/16" x 1", NC HH (200.0, 201.0)<br>(202.0)     | 4<br>6   |
| 43   | 9.802-727.0                              | Bolt, 3/8" x 1-3/4" (202.0)                           | 4        |
|      | 9.802-728.0                              | Bolt, 3/8" x 2", NC, HH (200.0, 201.0)                | 4        |
| 44   | 9.802-054.0                              | Elbow, Fuel Tank, Zinc (202.0)                        | 1        |
| 45   | 9.802-728.0                              | Bolt, 3/8" x 2" NC, HH                                | 2        |
| 46   | 9.803-845.0                              | Bolt, 1/2" x 5" NC HH Tap (200.0, 201.0)              | 1        |
|      | 9.802-740.0                              | Bolt, 1/2" x 3-1/2", NC, HH (202.0)                   | 1        |
| 47   | 9.802-751.0                              | Screw, 1/4" x 5/8", Phil PH MS                        | 4        |
| 48   | 9.802-782.0                              | Collar, 5/8" Bore Shaft                               | 8        |
| 49   | 9.802-820.0                              | Washer, Nylon Spacer, 0.656 x 1.25 x 0.65             | 4        |
| 50   | 9.802-870.0                              | Block, Unloader, 3/8" x 3/8" Brass                    | 1        |
| 51   | 9.803-037.0                              | Axle, 5/8" x 31.25"                                   | 2        |
| 52   | 9.803-104.0                              | Guard, Belt, Rear Steel                               | 1        |
| 53   | 9.803-847.0                              | Assembly, Weld, Battery Brkt, CW Cage, Black          | 1        |
| 54   | 9.802-964.0                              | Assembly, Weld, Cage, CW Black                        | 1        |
| 55   | 9.803-304.0                              | Guard, Belt, Front, CW Cage, Large                    | 1        |
| 56   | 9.802-967.0                              | Assembly, Weld, Slider, CW Cage, Black (200.0, 201.0) | 1        |
|      | 9.803-846.0                              | Slider, Assembly, Black (202.0)                       | 1        |
| 57   | 9.802-765.0                              | Screw, 1/4" x 1/2" BH SOC CS                          | 7        |
| 58   | 9.802-773.0                              | Nut, 1/4" ESNA, NC                                    | 4        |
| 59   | 9.802-804.0                              | Washer, 5/16" Flat, SAE                               | 20       |
| 60   | 9.802-776.0                              | Nut, 5/16" ESNA, NC (200.0, 201.0)<br>(202.0)         | 12<br>14 |
| 61   | 9.802-708.0                              | Screw, 5/16"-18 x 3/4" M PH TRH                       | 4        |
| 62   | 9.802-124.0                              | Plug, 1/4" Countersunk (200.0, 201.0)                 | 1        |
| 63   | 9.802-744.0                              | Bolt, 10mm x 20mm, HH                                 | 4        |
| 64   | 9.802-070.0                              | Grip, 1" Square Handle                                | 2        |
| 65   | 9.802-118.0                              | Tee, 1/2", Branch Male                                | 1        |
| 66   | 9.802-996.0                              | Bracket, Brake Pad, Black                             | 1        |
| 67   | 9.802-997.0                              | Linkage, Brake, Black                                 | 1        |
| 68   | 9.802-800.0                              | Washer, 1/2" Flat                                     | 1        |

## EXPLODED VIEW PARTS LIST- LARGE

| ITEM | PART NO.    | DESCRIPTION                                       | QTY      |
|------|-------------|---------------------------------------------------|----------|
| 69   | 9.802-966.0 | Handle, Break, CW Cage, Black                     | 1        |
| 70   | 9.802-705.0 | Bolt, Carriage, Zinc, 1/4"-20 x 1.0 PLT           | 4        |
| 71   | 9.802-210.0 | Clamp, Hose, .46-.54 ST (200.0, 201.0)<br>(202.0) | 2<br>4   |
| 72   | 9.802-802.0 | Washer, 1/4" Flat, SAE                            | 12       |
| 73   | 9.802-803.0 | Washer, 1/4" Flat, SAE, Black, Zinc               | 5        |
| 74   | 9.802-810.0 | Washer, 5/8" Flat                                 | 8        |
| 75   | 9.803-843.0 | Valve, Safety Relief, 6000PSI (200.0, 201.0)      | 1        |
| 76   | 9.802-030.0 | Elbow, 3/8" Street, Female (200.0, 201.0)         | 1        |
| 77   | 9.802-011.0 | Nipple, 3/8" Hex Steel (200.0, 201.0)             | 1        |
| 78   | 9.802-039.0 | Elbow, 1/2" JIC, 3/8", 90°                        | 1        |
| 79   | 9.802-689.0 | Muffler, Honda,GX620/670 Right (200.0, 201.0)     | 1        |
|      | 9.802-691.0 | ▲ Deflector, Exhaust, Honda (200.0, 201.0)        | 1        |
| 80   | 9.800-034.0 | Clear Lexan                                       | 1        |
| 81   | 9.800-014.0 | Label, Intended For Outdoor Use                   | 1        |
| 82   | 9.802-254.0 | Hose, 1/4 Push-On (202.0)                         | 7.66 ft. |
| 83   | 9.802-035.0 | Plug, 1/8" Square Head, Black                     | 1        |
| 84   | 9.802-148.0 | Adaptor, 1/2" x 1/2"                              | 1        |
| 85   | 9.802-770.0 | Screw, 1/4" x 1" (200.0, 201.0)                   | 2        |
| 86   | 9.802-803.0 | Washer, 1/4" Flat, SAE, Black (200.0, 201.0)      | 2        |
| 87   | 9.802-773.0 | Nut, 1/4" ESNA (200.0, 201.0)                     | 2        |
| 88   | 9.802-807.0 | Washer, 3/8" Flat                                 | 10       |
| 89   | 9.802-779.0 | Nut, 3/8" ESNA                                    | 6        |
| 90   | 9.803-305.0 | Bracket, Regulator                                | 1        |
| 91   | 9.800-049.0 | Label, Manufacturer's Cleaning Solution           | 1        |
| 92   | 9.802-816.0 | Washer, 7/16" Lock, Split Ring                    | 4        |
| 93   | 9.802-225.0 | Chemical Injector Assy., 3-5 GPM, .83 (202.0)     | 1        |
|      | 9.802-226.0 | Downstream Inj. Assy, 5000 PSI (200.0, 201.0)     | 1        |
| 94   | 9.802-259.0 | Hose, 1/2" Push-On                                | 14"      |
| 95   | 9.802-126.0 | Plug, 1/2" JIC                                    | 1        |
| 96   | 9.802-129.0 | Elbow, 1/2" JIC x 3/8"                            | 1        |
| 97   | 9.802-203.0 | Clamp, 1/2"                                       | 1        |
| 98   | 9.802-771.0 | Screw, 10/32"                                     | 1        |
| 99   | 9.804-567.0 | Nut, 10/32"                                       | 1        |
| 100  | 9.802-802.0 | Washer, 1/4" Flat, SAE                            | 1        |
| 101  | 8.916-084.0 | Label, C-tech EPA                                 | 1        |

▲ Not Shown

## SPECIFICATIONS

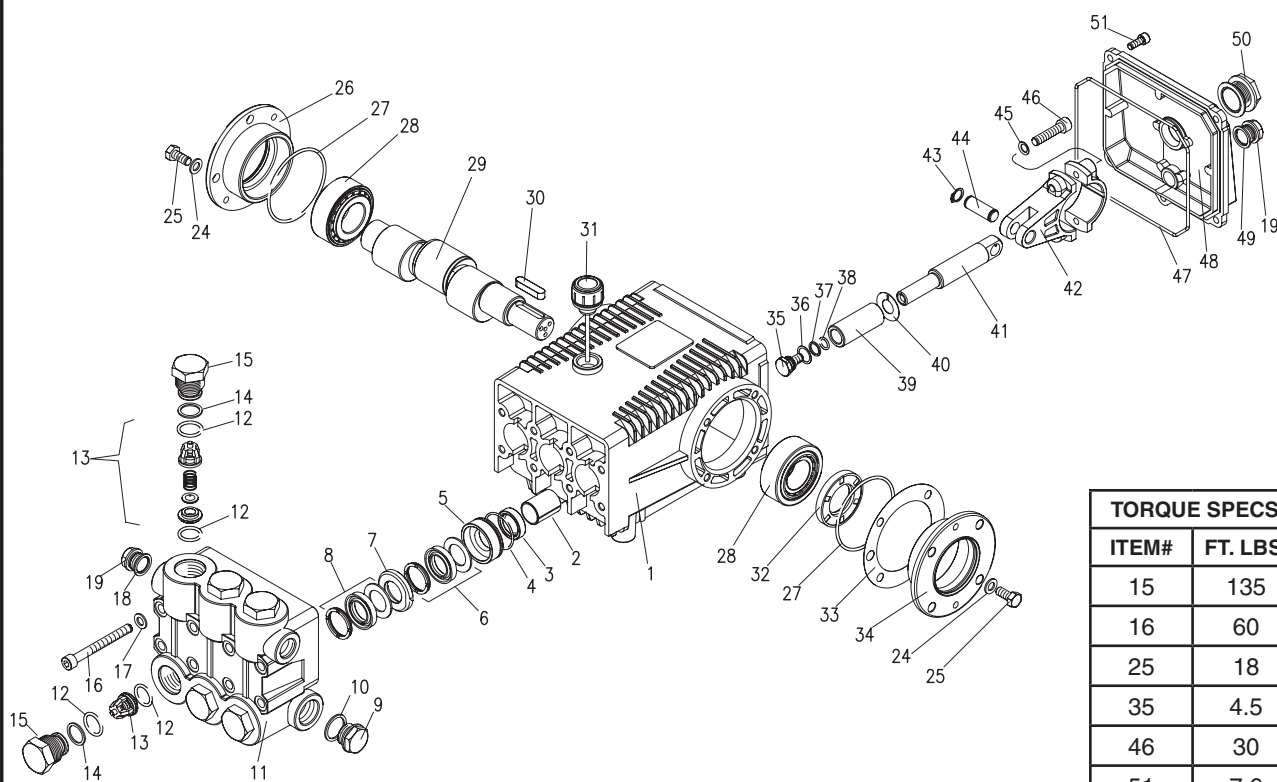
| Machine Model | Engine Pulley | Pulley Description | Engine Bushing# | Bushing Description | Pump Pulley | Pump Description | Pump Bushing# |
|---------------|---------------|--------------------|-----------------|---------------------|-------------|------------------|---------------|
| 1.575-200.0   | 9.802-392.0   | 3TB34              | 9.802-404.0     | P2 x 1"             | 9.802-396.0 | 3BK90H           | 9.802-403.0   |
| 1.575-201.0   | 9.802-392.0   | 3TB34              | 9.802-405.0     | P2 x 1-1/8"         | 9.802-395.0 | 3BK80H           | 9.802-403.0   |
| 1.575-202.0   | 9.802-381.0   | 2BK32H             | 9.802-398.0     | H x 1"              | 9.802-390.0 | 2BK90H           | 9.802-402.0   |
| 1.575-203.0   | 9.802-384.0   | 2BK40H             | 9.802-398.0     | H x 1"              | 8.715-592.0 | 2BK80H           | 9.802-402.0   |
| 1.575-204.0   | 9.802-381.0   | 2BK32H             | 9.802-398.0     | H x 1"              | 9.802-390.0 | 2BK90H           | 9.802-402.0   |
| 1.575-205.0   | 9.802-381.0   | 2BK32H             | 9.802-398.0     | H x 1"              | 9.802-390.0 | 2BK90H           | 9.802-402.0   |
| 1.575-206.0   | 9.802-382.0   | 2BK32H             | 9.802-398.0     | H x 1"              | 8.715-592.0 | 2BK80H           | 9.802-402.0   |
| 1.575-207.0   | 9.802-382.0   | 2BK34H             | 9.802-398.0     | H x 1"              | 9.802-390.0 | 2BK90H           | 9.802-403.0   |

## SPECIFICATIONS

| Machine Description | Bushing Model | Belt Part No. | Belt Desc./Qty. | Pump Part No. | Unloader Part No. | Engine Description | Engine Part No. |
|---------------------|---------------|---------------|-----------------|---------------|-------------------|--------------------|-----------------|
| 1.575-200.0         | 25mm          | 9.802-419.0   | BX42 (3)        | 9.804-491.0   | 9.804-491.0       | GX620 (20 HP)      | 9.802-323.0     |
| 1.575-201.0         | 25mm          | 9.802-419.0   | BX42 (3)        | 9.804-491.0   | 9.804-491.0       | GX670 (24 HP)      | 9.802-323.0     |
| 1.575-202.0         | 25mm          | 9.802-419.0   | BX42 (2)        | 9.802-343.0   | 9.802-367.0       | GX670 (24 HP)      | 9.802-328.0     |
| 1.575-203.0         | 24mm          | 9.802-417.0   | BX38 (2)        | 8.904-689.0   | 9.802-367.0       | GX390              | 9.802-322.0     |
| 1.575-204.0         | 24mm          | 9.802-418.0   | BX39 (2)        | 9.802-343.0   | 9.802-367.0       | GX390              | 9.802-322.0     |
| 1.575-205.0         | 24mm          | 9.802-418.0   | BX39 (2)        | 9.802-343.0   | 9.802-367.0       | GX390              | 9.802-322.0     |
| 1.575-206.0         | 24mm          | 8.715-698.0   | BX37 (2)        | 9.802-342.0   | 9.802-367.0       | GX390              | 9.802-322.0     |
| 1.575-207.0         | 25mm          | 9.802-420.0   | BX43 (2)        | 9.802-345.0   | 9.802-367.0       | Vanguard 16 HP     | 8.715-065.0     |

## KH PUMP EXPLODED VIEW

### 9.804-491.0 KH5050-Right



| TORQUE SPECS |          |
|--------------|----------|
| ITEM#        | FT. LBS. |
| 15           | 135      |
| 16           | 60       |
| 25           | 18       |
| 35           | 4.5      |
| 46           | 30       |
| 51           | 7.6      |

## KH PUMP EXPLODED VIEW PARTS LIST

| ITEM | PART NO.    | DESCRIPTION              | QTY |
|------|-------------|--------------------------|-----|
| 1    | 9.803-163.0 | Crankcase                | 1   |
| 2    | 9.803-195.0 | Plunger Guide            | 3   |
| 3*   | 9.802-606.0 | Plunger Oil Seal         | 3   |
| 4*   | 9.803-190.0 | O-Ring Ø1.78 x 37.82     | 3   |
| 5*   | 9.804-494.0 | Pressure Ring 18mm       | 3   |
| 6*   | 9.804-495.0 | "U" Seal, dia 18 x 26mm  | 3   |
| 7*   | 9.804-496.0 | Support Ring 18mm        | 3   |
| 8*   | 9.804-497.0 | "U" Seal, dia. 18 x 28mm | 3   |
| 9    | 9.802-926.0 | Brass Plug, 1/2          | 1   |
| 10   | 9.803-199.0 | Copper Washer 3/4        | 1   |
| 11   | 9.803-290.0 | Manifold Housing         | 1   |
| 12*  | 9.804-498.0 | O-Ring Ø2.62 x 23.47     | 12  |
| 13*  | 9.804-499.0 | Valve Assembly           | 6   |
| 14*  | 9.804-500.0 | Teflon Ring              | 6   |
| 15   | 9.803-292.0 | Valve Plug               | 6   |
| 16   | 9.802-942.0 | Manifold Stud Bolt       | 8   |
| 17   | 9.802-890.0 | Lock Washer              | 8   |
| 18   | 9.803-198.0 | Copper Washer 3/8        | 1   |

| ITEM | PART NO.    | DESCRIPTION            | QTY |
|------|-------------|------------------------|-----|
| 19   | 9.802-925.0 | Brass Plug 3/8         | 2   |
| 24   | 9.802-884.0 | Washer                 | 8   |
| 25   | 9.802-944.0 | Hexagonal Screw        | 8   |
| 26   | 9.804-501.0 | Closed Bearing Housing | 1   |
| 27   | 9.803-186.0 | "O" Ring Ø2.62 x 71.12 | 2   |
| 28   | 9.804-502.0 | Roller Bearing         | 2   |
| 29   | 9.803-289.0 | Crankshaft             | 1   |
| 30   | 9.803-293.0 | Crankshaft Key         | 1   |
| 31   | 9.802-923.0 | Oil Dip Stick          | 1   |
| 32   | 9.803-139.0 | Crankshaft Seal        | 1   |
| 33   | 9.803-177.0 | Shim                   | 2   |
| 34   | 9.804-503.0 | Bearing Housing        | 1   |
| 35*  | 9.802-936.0 | Plunger Bolt           | 3   |
| 36*  | 9.802-885.0 | Copper Spacer          | 3   |
| 37*  | 9.803-188.0 | "O" Ring Ø1.78 x 7.66  | 3   |
| 38*  | 9.803-155.0 | Teflon Ring            | 3   |
| 39*  | 9.804-504.0 | Plunger 18mm           | 3   |
| 40*  | 9.802-888.0 | Copper Spacer          | 3   |

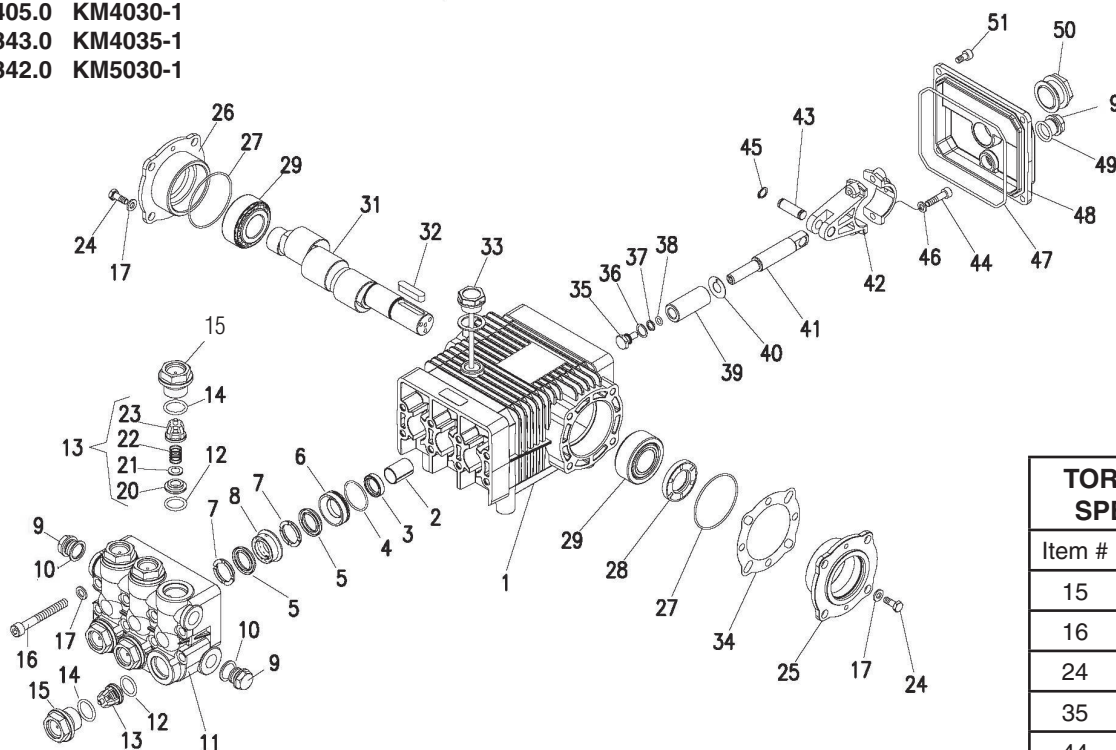
## KH PUMP EXPLODED VIEW PARTS LIST (CONT.)

| ITEM | PART NO.    | DESCRIPTION             | QTY |
|------|-------------|-------------------------|-----|
| 41   | 9.803-294.0 | Plunger Rod             | 3   |
| 42   | 9.803-157.0 | Connecting Rod          | 3   |
| 43   | 9.802-912.0 | Snap Ring               | 6   |
| 44   | 9.802-915.0 | Connecting Rod Pin      | 3   |
| 45   | 9.802-889.0 | Spring Washer           | 6   |
| 46   | 9.802-937.0 | Connecting Rod Screw    | 6   |
| 47   | 9.803-194.0 | "O" Ring Ø2.62 x 152.07 | 1   |
| 48   | 9.803-166.0 | Crankcase Cover         | 1   |
| 49   | 9.803-197.0 | Gasket, G3/8            | 1   |
| 50   | 9.803-202.0 | Sight Glass, G3/4       | 1   |
| 51   | 9.802-939.0 | Cover Screw             | 5   |

| KIT NUMBERS                             | 9.804-492.0           | 9.804-493.0           | 9.802-629.0               | 9.802-604.0       | 9.802-606.0          |
|-----------------------------------------|-----------------------|-----------------------|---------------------------|-------------------|----------------------|
| KIT DESCRIPTION                         | Plunger Seal<br>18 mm | Seal Packing<br>18 mm | Plunger<br>18 mm          | Complete<br>Valve | Plunger Oil<br>Seals |
| ITEMS NUMBERS<br>INCLUDED               | 4, 6, 8               | 4, 5, 6,<br>7, 8      | 35, 36, 37,<br>38, 39, 40 | 12, 13, 14        | 3                    |
| NUMBER OF CYLINDERS<br>KIT WILL SERVICE | 3                     | 1                     | 1                         | 6                 | 3                    |

## KM-1 PUMP EXPLODED VIEW

8.904-689.0 KM3540-1  
 9.803-405.0 KM4030-1  
 9.802-343.0 KM4035-1  
 9.802-342.0 KM5030-1



### TORQUE SPECS

| Item # | Ft.-lbs |
|--------|---------|
| 15     | 75      |
| 16     | 30      |
| 24     | 8       |
| 35     | 4.5     |
| 44     | 13      |
| 51     | 7.6     |

## KM-1 PUMP EXPLODED VIEW PARTS LIST

| ITEM | PART NO.       | DESCRIPTION                      | QTY |
|------|----------------|----------------------------------|-----|
| 1    | 8.717-128.0    | Crankcase                        | 1   |
| 2    | 9.803-196.0    | Plunger Guide                    | 3   |
| 3*   | See Kits Below | Plunger Oil Seal                 | 3   |
| 4*   | 9.803-189.0    | O-Ring Ø1.78 x 31,47             | 3   |
| 5*   | See Kits Below | "V" Seal (4035)                  | 6   |
|      | See Kits Below | "V" Seal (4030, 5030)            | 6   |
|      | See Kits Below | "V" Seal (3540)                  | 6   |
| 6*   | 9.803-205.0    | Pressure Ring 18mm (4035)        | 3   |
|      | 9.803-204.0    | Pressure Ring 20mm (4030, 5030)  | 3   |
|      | 8.717-310.0    | Pres Ring 15mm (3540)            | 3   |
| 7*   | 9.803-171.0    | Support Ring 18mm (4035)         | 6   |
|      | 9.803-172.0    | Support Ring 20mm (4030, 5030)   | 6   |
|      | 8.717-179.0    | Support Ring 15mm (3540)         | 6   |
| 8*   | 9.803-174.0    | Intermed. Ring 18mm (4035)       | 3   |
|      | 9.803-173.0    | Intermed. Ring 20mm (4030, 5030) | 3   |
|      | 8.717-178.0    | Intermediate Ring 15mm (3540)    | 3   |

| ITEM | PART NO.       | DESCRIPTION            | QTY |
|------|----------------|------------------------|-----|
| 9    | 9.802-926.0    | Brass Plug 1/2"        | 1   |
| 10   | 9.803-199.0    | Copper Washer 1/2"     | 1   |
| 11   | 9.802-932.0    | Manifold Head          | 1   |
| 12*  | 9.803-191.0    | O-Ring Ø2.62 x 17.13   | 6   |
| 13*  | See Kits Below | Valve Assembly         | 6   |
| 14*  | 9.803-193.0    | O-Ring Ø2.62 x 20.29   | 6   |
| 15   | 9.802-928.0    | Valve Plug             | 6   |
| 16   | 9.802-925.0    | Manifold Stud Bolt     | 8   |
| 17   | 9.802.884.0    | Washer                 | 16  |
| 18   | 9.803-198.0    | Copper Washer 3/8      | 1   |
| 19   | 9.802-925.0    | Brass Plug 3/8         | 1   |
| 24   | 9.802-944.0    | Hexagonal Screw        | 8   |
| 25   | 8.717-209.0    | Bearing Housing        | 1   |
| 26   | 8.717-210.0    | Closed Bearing Housing | 1   |
| 27   | 9.803-192.0    | O-Ring Ø1.78 x 60.05   | 2   |
| 28   | 9.803-140.0    | Crankshaft Seal        | 1   |
| 29   | 9.803-159.0    | Tapered Roller Bearing | 2   |

## KM-1 PUMP EXPLODED VIEW PARTS LIST (CONT.)

| ITEM | PART NO.       | DESCRIPTION               | QTY |
|------|----------------|---------------------------|-----|
| 31   | 9.803-146.0    | Crankshaft (5030, 3540)   | 1   |
|      | 9.803-147.0    | Crankshaft (4030, 4035/H) | 1   |
| 32   | 9.803-167.0    | Crankshaft Key            | 1   |
| 33   | 9.802-921.0    | Oil Dip Stick             | 1   |
| 34   | 9.803-178.0    | Shim                      | 2   |
| 35*  | 9.802-936.0    | Plunger Bolt              | 3   |
| 36*  | 9.802-885.0    | Copper Spacer             | 3   |
| 37*  | 9.803-188.0    | O-Ring Ø1.78 x 7.66       | 3   |
| 38*  | 9.803-155.0    | Teflon Ring               | 3   |
| 39*  | See Kits Below | Plunger (4035, 4035H)     | 3   |
|      | See Kits Below | Plunger (4030, 5030)      | 3   |
|      | See Kits Below | Plunger (3540)            | 3   |
| 40*  | 9.802-888.0    | Copper Spacer             | 3   |
| 41   | 9.803-144.0    | Plunger Rod               | 3   |
| 42   | 9.803-158.0    | Connecting Rod            | 3   |
| 43   | 9.802-916.0    | Connecting Rod Pin        | 3   |
| 44   | 9.803-238.0    | Connecting Rod Screw      | 6   |
| 45   | 9.802-913.0    | Snap Ring                 | 6   |
| 46   | 9.803-218.0    | Spring Washer             | 6   |
| 47   | 8.717-243.0    | O-Ring, Ø2.62 x 126.67    | 1   |
| 48   | 8.717-145.0    | Crankcase Cover           | 1   |
| 49   | 9.803-906.0    | O-Ring, Ø1.78 x 14        | 1   |
| 50   | 9.803-202.0    | Sight Glass 3/4           | 1   |
| 51   | 9.802-939.0    | Cover Screw               | 5   |
| 52   | 8.730-836.0    | ▲ Bach Ring 1/2" (4035H)  | 3   |

\* Available in kit (See below) ▲ Not Shown

| REPAIR KIT NUMBER                 | 9.802-628.0           | 9.802-619.0                  | 9.802-622.0          | 9.802-624.0                     | 9.802-617.0                           | 9.802-623.0                   |
|-----------------------------------|-----------------------|------------------------------|----------------------|---------------------------------|---------------------------------------|-------------------------------|
| KIT DESCRIPTION                   | *Plunger Seal KM-4035 | Plunger Seal KM-4030 KM-5030 | Plunger Seal KM-3540 | **Complete Seal Packing KM-4035 | Complete Seal Packing KM-4030 KM-5030 | Complete Seal Packing KM-3540 |
| ITEM NUMBERS INCLUDED             | 4, 5, 7               | 4, 5, 7                      | 4, 5, 7              | 3, 4, 5, 6, 7, 8                | 3, 4, 5, 6, 7, 8                      | 3, 4, 5, 6, 7, 8              |
| NO. OF CYLINDERS KIT WILL SERVICE | 3                     | 3                            | 3                    | 1                               | 1                                     | 1                             |

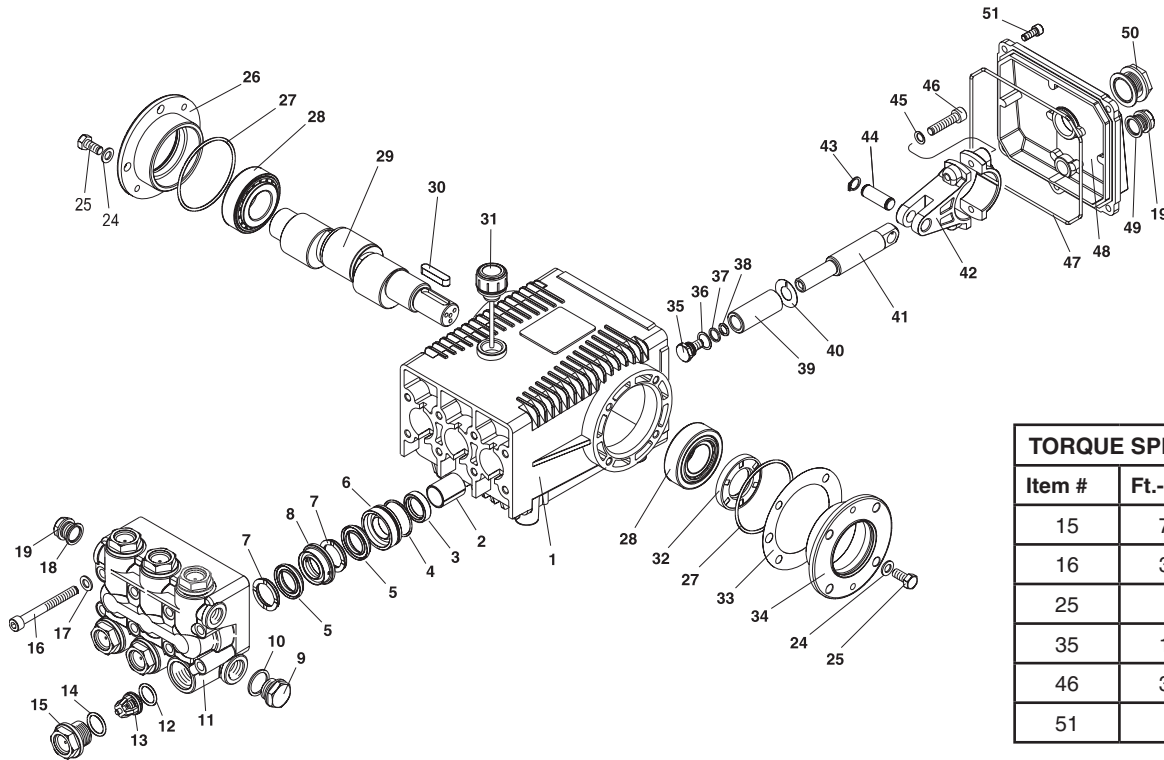
| REPAIR KIT NUMBER                 | 9.802-629.0              | 9.802-620.0             | 9.802-621.0            | 9.802-603.0    | 9.802-609.0       |
|-----------------------------------|--------------------------|-------------------------|------------------------|----------------|-------------------|
| KIT DESCRIPTION                   | Plunger KM-4035 KM-4035H | Plunger KM-4030 KM-5030 | Plunger KM-3540        | Complete Valve | Plunger Oil Seals |
| ITEM NUMBERS INCLUDED             | 34, 35, 36, 37, 38, 39   | 34, 35, 36, 37, 38, 39  | 34, 35, 36, 37, 38, 39 | 12, 13, 14     | 3                 |
| NO. OF CYLINDERS KIT WILL SERVICE | 1                        | 1                       | 1                      | 6              | 3                 |

\* For KM 4035H High Heat Packings, Use 9.802-626.0

\*\*For KM 4035H High Heat Packings, Use 9.802-627.0

# KT SERIES PUMP EXPLODED VIEW

9.802-345.0 KT 4035 Right



| TORQUE SPECS |          |
|--------------|----------|
| Item #       | Ft.-Lbs. |
| 15           | 75       |
| 16           | 32       |
| 25           | 8        |
| 35           | 15       |
| 46           | 30       |
| 51           | 8        |

## KT SERIES PUMP EXPLODED VIEW & PARTS LIST

| ITEM | PART NO.      | DESCRIPTION                          | QTY | ITEM | PART NO.    | DESCRIPTION                   | QTY |
|------|---------------|--------------------------------------|-----|------|-------------|-------------------------------|-----|
| 1    | 9.804-604.0   | Crankcase                            | 1   | 15   | 9.802-928.0 | Valve Plug                    | 6   |
| 2    | 9.803-195.0   | Plunger Guide                        | 3   | 16   | 9.802-943.0 | Manifold Stud Bolt            | 8   |
| 3*   | See Kit Below | Plunger Oil Seal                     | 3   | 17   | 9.802-890.0 | Washer                        | 8   |
| 4*   | 9.803-190.0   | O-Ring Ø1.78 x 31, 47                | 3   | 18   | 9.803-198.0 | Copper Washer 3/8"            | 1   |
| 5*   | See Kit Below | "V" Seal, Plunger                    | 6   | 19   | 9.802-925.0 | Brass Plug 3/8"               | 1   |
| 6*   | 9.803-206.0   | Pressure Ring (KT 4035, 4040, 6035)  | 3   | 24   | 9.802-884.0 | Washer                        | 8   |
|      | 9.803-207.0   | Pressure Ring (KT 5030)              | 3   | 25   | 9.802-944.0 | Hexagonal Screw               | 8   |
| 7*   | 9.803-169.0   | Support Ring (KT 4035, 4040, 6035)   | 6   | 26   | 9.803-182.0 | Closed Bearing Housing        | 1   |
|      | 9.803-170.0   | Support Ring (KT 5030)               | 6   | 27   | 9.803-186.0 | O-Ring Ø2.62 x 71.12          | 2   |
| 8*   | 9.803-175.0   | Intermed. Ring (KT 4035, 4040, 6035) | 3   | 28   | 9.803-160.0 | Roller Bearing, Tapered       | 2   |
|      | 9.803-176.0   | Intermed. Ring (KT 5030)             | 3   | 29   | 9.803-148.0 | Crankshaft (4040, 5030, 6035) | 1   |
| 9    | 9.802-926.0   | Brass Plug, 1/2"                     | 1   |      | 9.803-149.0 | Crankshaft (KT 4035)          |     |
| 10   | 9.803-199.0   | Copper Washer 1/2"                   | 1   | 30   | 9.803-167.0 | Crankshaft Key                | 1   |
| 11   | 9.802-933.0   | Manifold Head                        | 1   | 31   | 9.802-923.0 | Oil Dip Stick                 | 1   |
| 12*  | 9.803-191.0   | O-Ring Ø2.62 x 17.13                 | 6   | 32   | 9.803-139.0 | Crankshaft Seal               | 1   |
| 13*  | See Kit Below | Valve Assembly                       | 6   | 33   | 9.803-177.0 | Shim                          | 2   |
| 14*  | 9.803-193.0   | O-Ring Ø2.62 X 20.29                 | 6   | 34   | 9.803-181.0 | Bearing Housing               | 1   |
|      |               |                                      |     | 35*  | 9.803-235.0 | Plunger Bolt                  | 3   |
|      |               |                                      |     | 36*  | 9.802-886.0 | Copper Spacer                 | 3   |
|      |               |                                      |     | 37*  | 9.803-187.0 | O-Ring Ø1.78 X10.82           | 3   |

## KT SERIES PUMP EXPLODED VIEW & PARTS LIST

| ITEM | PART NO.      | DESCRIPTION                   | QTY |
|------|---------------|-------------------------------|-----|
| 38*  | 9.803-154.0   | Teflon Ring                   | 3   |
| 39*  | See Kit Below | Plunger (KT 4035, 4040, 6035) | 3   |
|      | See Kit Below | Plunger (KT 5030)             | 3   |
| 40*  | 9.802-887.0   | Copper Spacer                 | 3   |
| 41   | 9.803-143.0   | Plunger Rod                   | 3   |
| 42   | 9.803-157.0   | Connecting Rod                | 3   |
| 43   | 9.802-912.0   | Snap Ring                     | 6   |
| 44   | 9.802-915.0   | Connecting Rod Pin            | 3   |
| 45   | 9.802-889.0   | Spring Washer                 | 6   |
| 46   | 9.802-937.0   | Connecting Rod Screw          | 6   |
| 47   | 9.803-194.0   | O-Ring Ø2.62 x 152.07         | 1   |
| 48   | 9.803-166.0   | Crankcase Cover               | 1   |
| 49   | 9.803-197.0   | Gasket, G3/8                  | 1   |
| 50   | 9.803-202.0   | Sight Glass G3/4              | 1   |
| 51   | 9.802-939.0   | Cover Screw                   | 5   |

\* Part available in kit (See below)

| REPAIR KIT<br>NUMBER                          | 9.802-605.0                                       | 9.802-610.0*               | 9.802-625.0                                                  | 9.802-618.0**                       | 9.802-607.0                              | 9.802-611.0               | 9.802-603.0                      | 9.802-606.0                         |
|-----------------------------------------------|---------------------------------------------------|----------------------------|--------------------------------------------------------------|-------------------------------------|------------------------------------------|---------------------------|----------------------------------|-------------------------------------|
| KIT<br>DESCRIPTION                            | Plunger<br>Seal<br>KT-4040,<br>KT-6035<br>KT-4035 | Plunger<br>Seal<br>KT-5030 | Complete<br>Seal<br>Packing<br>KT-4040<br>KT-6035<br>KT-4035 | Complete<br>Seal Packing<br>KT-5030 | Plunger<br>KT-4040<br>KT-6035<br>KT-4035 | Plunger<br>KT-5030        | Complete<br>Valve<br>(all pumps) | Plunger<br>Oil Seals<br>(all pumps) |
| ITEM<br>NUMBERS<br>INCLUDED                   | 4, 5, 7                                           | 4, 5, 7                    | 3, 4, 5,<br>6, 7, 8                                          | 3, 4, 5,<br>6, 7, 8                 | 35, 36, 37,<br>38, 39, 40                | 35, 36, 37,<br>38, 39, 40 | 12, 13, 14                       | 3                                   |
| NUMBER OF<br>CYLINDERS<br>KIT WILL<br>SERVICE | 3                                                 | 3                          | 1                                                            | 1                                   | 1                                        | 1                         | 6                                | 3                                   |

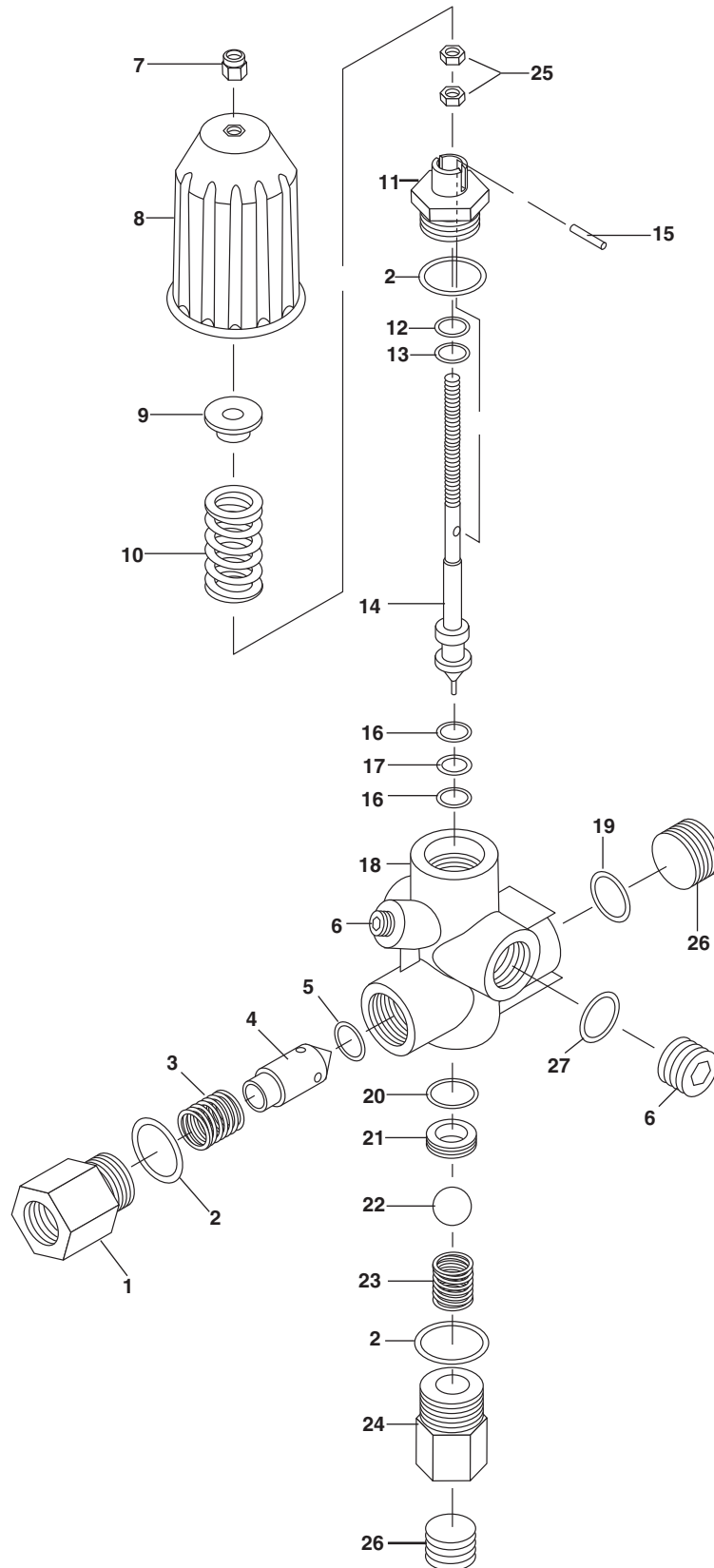
\* High Heat, Use 9.802-631.0 KT-5030H/R

\*\* High Heat, Use 9.802-630.0 KT-5030H/R

# AR-AL UNLOADER EXPLODED VIEW AND PARTS LIST

**AR - AL 607 #9.802-367.0**

7-8 Gpm, 4200 Psi



## AR-AL UNLOADER EXPLODED VIEW AND PARTS LIST

| ITEM | PART NO.     | DESCRIPTION             | QTY | ITEM                             | PART NO.     | DESCRIPTION          | QTY |
|------|--------------|-------------------------|-----|----------------------------------|--------------|----------------------|-----|
| 1    | 83-005150010 | Check Connector         | 1   | 15                               | 83-005106301 | Spring Pin           | 1   |
| 2    | 83-005060108 | ‡ O-Ring 2068           | 3   | 16                               | 83-005000101 | Back Ring            | 2   |
| 3    | 83-005100002 | Shutter Spring          | 1   | 17                               | 83-005060101 | ‡ O-Ring 2050        | 1   |
| 4    | 83-004120000 | Shutter                 | 1   | 18                               | 83-005020003 | Body By Pass 1/4 G-F | 1   |
| 5    | 83-004060109 | ‡ O-Ring 631290 SH      | 1   | 18                               | 83-005020026 | Body By Pass 3/8 G-F | 1   |
| 6    | 83-005170102 | 1/4 G Plug              | 1   | 19                               | 83-005060200 | 3/8 Gasket           | 1   |
| 7    | 83-005030101 | M8 Lock Nut             | 1   | 20                               | 83-001060129 | ‡ O-Ring 2043        | 1   |
| 8    | 83-005100100 | Knob                    | 1   | 21                               | 83-001060200 | ‡ Seat               | 1   |
| 9    | 83-005150101 | Washer                  | 1   | 22                               | 83-001160000 | ‡ Ball               | 1   |
| 10   | 83-005400403 | 4000 PSI Spring (Black) | 1   | 23                               | 83-005100003 | Ball Spring          | 1   |
| 11   | 83-005150011 | Stem Guide Union        | 1   | 24                               | 83-005150009 | Seat Union           | 1   |
| 12   | 83-005000102 | ‡ Back Ring             | 2   | 25                               | 83-005030200 | M8 Nut               | 2   |
| 13   | 83-005060106 | ‡ O-Ring 2031           | 1   | 26                               | 83-005170101 | 3/8G Plug            | 2   |
| 14   | 83-005160502 | Stem AL606              | 1   | 27                               | 83-005060201 | Gasket               | 1   |
| 14   | 83-005160514 | Stem AL607              | 1   | <b>83-005650200 ‡ Repair Kit</b> |              |                      |     |

### Unloader Adjustment Procedures

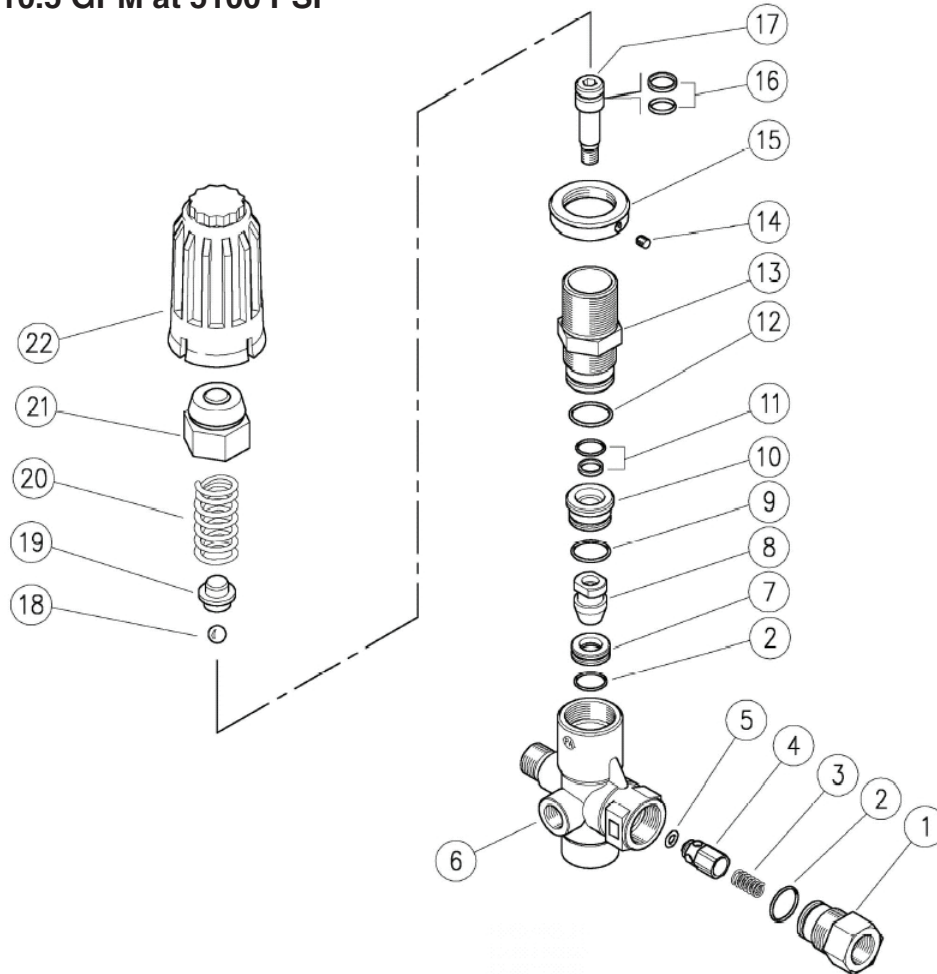
1. Remove lock nut (Item 7).
2. Remove adjustment knob (Item 8).
3. Loosen the (2) nuts (Item 25), move them upward on stem (Item 14) till you see 4 or more threads below the nut.
4. Re-attach adjusting knob (Item 8).
5. Start machine. Open the trigger of the spray gun. Increase pressure by turning adjustment knob (Item 8) clockwise till pressure is at the desired operating pressure.
6. Remove the adjustment knob (Item 8), tighten the lower nut (items 25) tightly against the upper nut (Items 25). Re-attach adjustment knob (Item 8) and screw down until contact is made with the nuts (Items 25). Screw down lock nut (Item 7) onto the stem (Item 14) until the stem (Item 14) threads cut into the nylon insert of the lock nut (Item 7).

\*If adjustment knob (Item 8) **DOES NOT** make contact with upper nut (Items 25), remove adjusting knob (Item 8), re-adjust (raise) nuts (Items 25) on stem (Item 14) and re-attach adjustment knob (Item 8), then repeat step #6.

\*\*If adjustment knob (Item 8) **DOES** make contact with upper nut; release the trigger of the spray gun and watch the pressure gauge for the pressure increase ("spike"). This "spike" **SHOULD NOT** exceed 500 psi above the operating pressure. If "spike" pressure exceeds the 500 psi limit, remove the adjusting knob (Item 8) and re-adjust (lower) the nuts (Items 25) on the stem (Item 14). Re-attach the adjusting knob (Item 8), then repeat step #6.

## VB350/4 UNLOADER EXPLODED VIEW

9.802-360.0, 10.5 GPM at 5100 PSI



## VB UNLOADER EXPLODED VIEW PARTS LIST

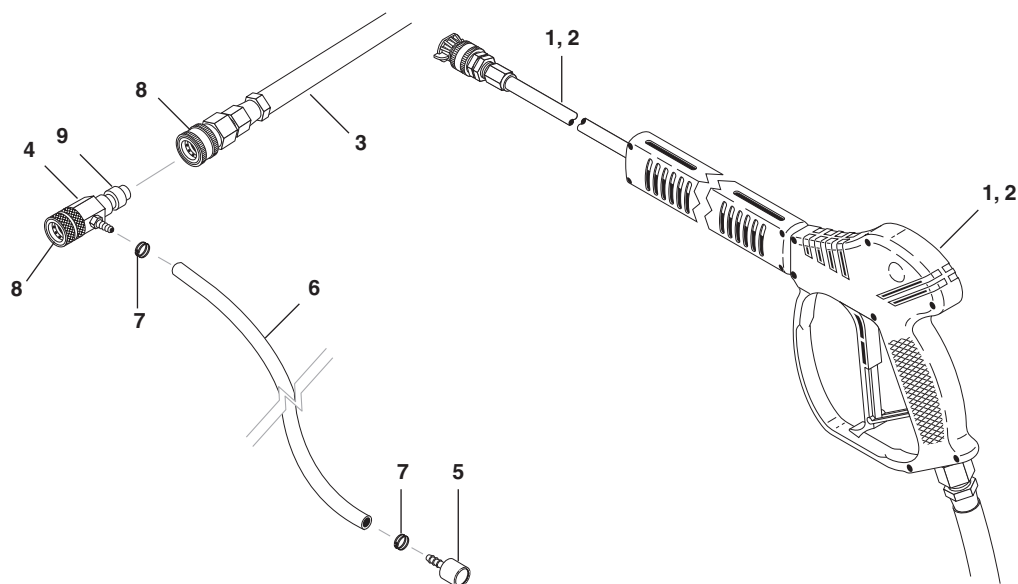
| ITEM | PART #      | DESCRIPTION                          | QTY |
|------|-------------|--------------------------------------|-----|
| 1    | 60.1811.31  | 3/8 Bsp F Nipple                     | 1   |
| 2    | 10.3066.01* | O-Ring, 1.78 x 15.6 mm               | 2   |
| 3    | 60.0053.51  | Spring                               | 1   |
| 4    | 60.0052.51  | Sst Check Valve                      | 1   |
| 5    | 10.3213.08* | O-Ring, 3 x 6mm                      | 1   |
| 6    | 60.1725.35  | VB280-350 Brass Body                 | 1   |
| 7    | 60.1809.51* | Seat                                 | 1   |
| 8    | 60.1808.51* | M 8 Shutter                          | 1   |
| 9    | 10.3068.01* | O-Ring, 1.78 x 17.17 mm              | 1   |
| 10   | 60.1810.31  | Spacer                               | 1   |
| 11   | 60.0979.24* | VB280-350 Val. Pist. Seal Repair Set | 1   |
| 12   | 10.3072.01* | O-Ring, 1.78 x 20.35 mm              | 1   |
| 13   | 60.0973.31  | Piston Housing (60.1600.00)          | 1   |
|      | 60.1805.31  | Piston Housing (60.1700.00)          | 1   |
| 14   | 16.2100.00  | M 4 x 4 mm Dowel                     | 1   |
| 15   | 60.1728.31  | Lock Nut                             | 1   |

| ITEM | PART #      | DESCRIPTION                           | QTY |
|------|-------------|---------------------------------------|-----|
| 16   | 60.0978.24* | VB280-350 Val. Pist. Seal Repair Set  | 1   |
| 17   | 60.1806.51  | M8 Piston                             | 1   |
| 18   | 14.7443.10* | Sst 11/32" Ball                       | 1   |
| 19   | 60.1813.31  | Spring Guide                          | 1   |
| 20   | 60.0975.61  | 4.2 mm Spring (60.1600.00)            | 1   |
|      | 60-1812.61  | 4.5 x 47 mm Spring (60.1700.00)       | 1   |
| 21   | 60.1727.31  | Brass Cap                             | 1   |
| 22   | 60.1726.84  | VB280 Black Plastic Knob (60.1600.00) | 1   |
|      | 60.1729.84  | VB350.4 Red Plastic Knob (60.1700.00) | 1   |

\*Kit :

|    |            |                                         |
|----|------------|-----------------------------------------|
| K1 | 60.1615.24 | VB280-350.4 Spare Parts Kit Pcs. 11 x 1 |
|----|------------|-----------------------------------------|

## HOSE & SPRAY GUN ASSEMBLY



## HOSE & SPRAY GUN ASSEMBLY PARTS LIST

| ITEM | PART NO.    | DESCRIPTION                                            | QTY | ITEM | PART NO.    | DESCRIPTION                                  | QTY   |
|------|-------------|--------------------------------------------------------|-----|------|-------------|----------------------------------------------|-------|
| 1    | 9.802-228.0 | Spray Gun w/Wand (5000 PSI), w/Coupler (200, 201)      | 1   | 4    | 9.802-216.0 | Injector, Detergent, Non-Adj, 3-5 GPM, 0.083 | 1     |
|      | 9.802-222.0 | Wand, V.P. w/Coupler & Nozzle, X-Series                | 1   |      | 9.802-217.0 | Injector, SS, Non-Adj, 2.0-4.0GPM, 5500PSI   | 1     |
| 2    | 8.711-348.0 | Spray Gun, Shut-Off, AP 1000 (203, 204, 205, 206, 207) | 1   | 5    | 9.802-160.0 | Strainer, Plastic, 1/4" Hose Barb            | 1     |
| 3    | 8.739-042.0 | Hose, 3/8" x 50', 2-Wire, (200,201)                    | 1   | 6    | 9.802-251.0 | Tube, 1/4" x 1/2", Clear Vinyl               | 6 ft. |
|      | 8.711-720.0 | Hose, 3/8" x 50', 2-Wire, Blue (203, 205, 207)         | 1   | 7    | 9.802-210.0 | Clamp, Hose, .46-.54 ST                      | 2     |
|      | 8.711-722.0 | Hose, 3/8" x 50', 2-Wire, (202, 204, 206)              | 1   | 8    | 9.802-167.0 | Coupler, 3/8" Female, 11,000 PSI, Snap-Tite  | 1     |
|      |             |                                                        |     | 9    | 9.802-168.0 | Nipple, 3/8" Fem, 11,000 PSI                 | 1     |