



## TECHNICAL PARTS LIST FOR

***CA-4004-0MHB***

***CA-4004-0MKB***

***CA-4004-0MRB***

[For parts Call 888-279-9274](tel:888-279-9274)

|                      |                           |
|----------------------|---------------------------|
| Engine Oil Grade:    | SAE10W-30                 |
| Engine Oil Capacity: | Honda 37 oz.              |
|                      | Kohler 44 oz.             |
|                      | Subaru 40.5 oz.           |
| Pump Oil Grade:      | SAE20 or 30 Non-Detergent |
| Pump Oil Capacity:   | 18.5 oz.                  |
| Nozzle Size:         | 3.5                       |

This Parts Listing has been compiled for your benefit. You can be assured your Mi-T-M Cold Water Pressure Washer was constructed and designed with quality and performance in mind using over 25 years experience in the pressure washer business. Each component has been rigorously tested to insure the highest level of acceptance.

The contents of this Parts Listing are based on the latest product information available at the time of publication. Mi-T-M reserves the right to make changes in price, color, materials, equipment, specifications or models at any time without notice.

**WARNING**

THIS IS A PROFESSIONAL HIGH PRESSURE, COLD WATER PRESSURE WASHER. CAUTION SHOULD BE OBSERVED WHEN USING OR REPAIRING THIS UNIT! READ AND FOLLOW THE SAFETY WARNINGS LISTED BELOW BEFORE ATTEMPTING ANY REPAIRS ON THIS PRESSURE WASHER!

- SAFETY WARNINGS**
1.

NEVER alter or modify the equipment. Be sure any accessory items and system components being used will withstand the pressure developed. Use only genuine Mi-T-M parts for repair of your pressure washer. Failure to do so can cause hazardous operating conditions and will VOID warranty.
2.

NEVER make adjustments on machinery while the unit is connected to the power source. Turning over the machinery by hand during adjustment or cleaning might start the machinery, causing serious injury to the operator.
3.

Know how to stop and bleed pressures quickly. Be thoroughly familiar with controls.
4.

Before servicing the unit, turn unit off, relieve the water pressure and allow the unit to cool down. Do not make repairs while the unit is running. Service in a clean, dry, flat area.
5.

After testing the machine, DO NOT leave the pressurized unit unattended. Shut off the unit and release trapped pressure before leaving.

# Table of Contents

SPECIFICATIONS.....

3

NOTES .....

4

FRAME ASSEMBLY (BEFORE SERIAL #10534499).....

6

FRAME ASSEMBLY (AFTER SERIAL #10534499).....

8

FRAME ASSEMBLY (AFTER SERIAL #10741768).....

10

FRAME ASSEMBLY (AFTER SERIAL #10754656).....

12

PUMP ASSEMBLY (3-0266) .....

14

PUMP ASSEMBLY (3-0310) .....

16

UNLOADER ASSEMBLY (8-0533) .....

18

UNLOADER ASSEMBLY (8-0630) .....

20

## SPECIFICATIONS

| MODEL NUMBER                    | CA-4004-0MHB                                       | CA-4004-0MKB | CA-4004-0MRB                            |
|---------------------------------|----------------------------------------------------|--------------|-----------------------------------------|
| Operating Pressure (PSI/Bar):   | 4000 / 275.8                                       |              |                                         |
| High Pressure Nozzle:           | 3.5                                                |              |                                         |
| Water Volume (GPM/lpm):         | 3.5 / 13.2                                         |              |                                         |
| Engine:                         | Honda                                              | Kohler       | Subaru                                  |
| Model                           | GX390                                              | CH440        | EX40                                    |
| Engine Type                     | 4 Stroke, Overhead Valve, Single Cylinder          |              | 4 Stroke, Overhead Cam, Single Cylinder |
| Oil Type                        | SAE10W-30                                          |              |                                         |
| Oil Capacity (oz./liters)       | 37.2 / 1.1                                         | 44.0/1.3     | 40.6 / 1.2                              |
| Low Oil Protection              | Oil Alert™                                         | Oil Sensor   |                                         |
| Fuel Type                       | Unleaded Gasoline 86 Octane Minimum                |              |                                         |
| Fuel Capacity (gallon/ liters)  | 1.61 / 6.1                                         |              | 1.85 / 7.0                              |
| Starting                        | Recoil                                             |              |                                         |
| Maximum No Load RPM             | 3600                                               |              |                                         |
| Pump:                           | Direct Driven, Oil Bath, Triplex Piston            |              |                                         |
| Oil Type                        | Mi-T-M Pump Oil #AW-4085-0016                      |              |                                         |
| Oil Capacity (oz./liters)       | 18.5 / .5                                          |              |                                         |
| Plungers                        | Ceramic                                            |              |                                         |
| Manifold                        | Forged Brass                                       |              |                                         |
| Valves                          | Stainless Steel                                    |              |                                         |
| Unloader                        | Adjustable                                         |              |                                         |
| Thermal Relief Valve            | Relieves heated water during unloader bypass stage |              |                                         |
| Unit Net Weight (lbs/Kg)        | 125 / 57                                           |              |                                         |
| Unit Shipping Weight (lbs/Kg)   | 175 / 79.5                                         |              |                                         |
| Unit Net Dimension (in/cm)      | 42.5L x 23.5W x 25H / 108L x 60W x 63.5H           |              |                                         |
| Unit Shipping Dimension (in/cm) | 39.5H x 25W x 31.5H / 100.5L x 63.5W x 80H         |              |                                         |

---

**NOTES**

---

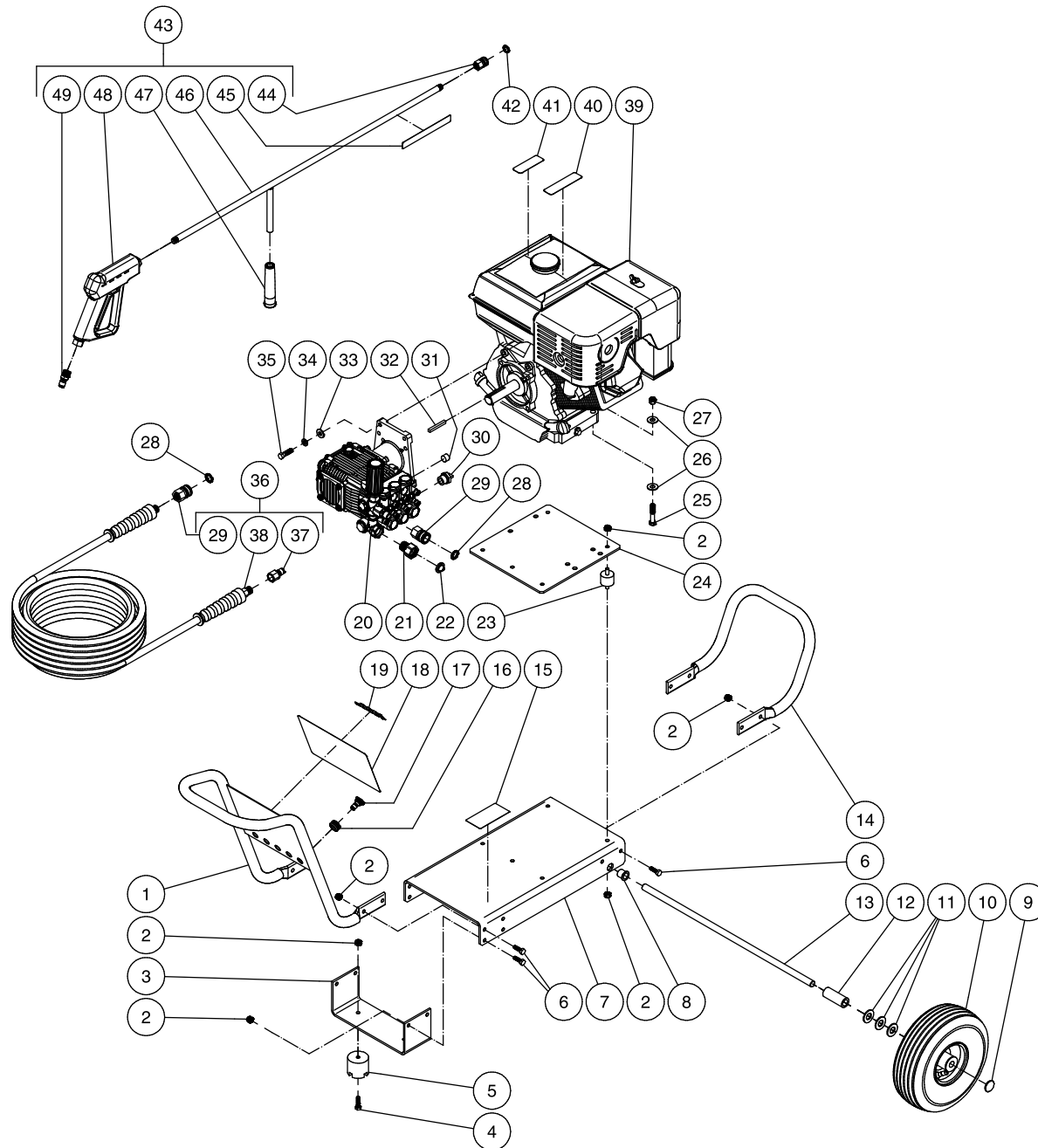
| <b>DATE</b> | <b>SERIAL NUMBER BREAK</b> | <b>REASON</b>                                                                |
|-------------|----------------------------|------------------------------------------------------------------------------|
| 06/02/11    | #10534499                  | ADDED SUBARU ENGINE.                                                         |
| 07/02/13    | #10741768                  | CHANGED PUMP FROM 3-0266 TO 3-0310<br>CHANGED UNLOADER FROM 8-0533 TO 8-0630 |
| 11/12/13    | #10754656                  | CHANGED AXLE                                                                 |

---

## NOTES

---

# FRAME ASSEMBLY (BEFORE SERIAL #10534499)

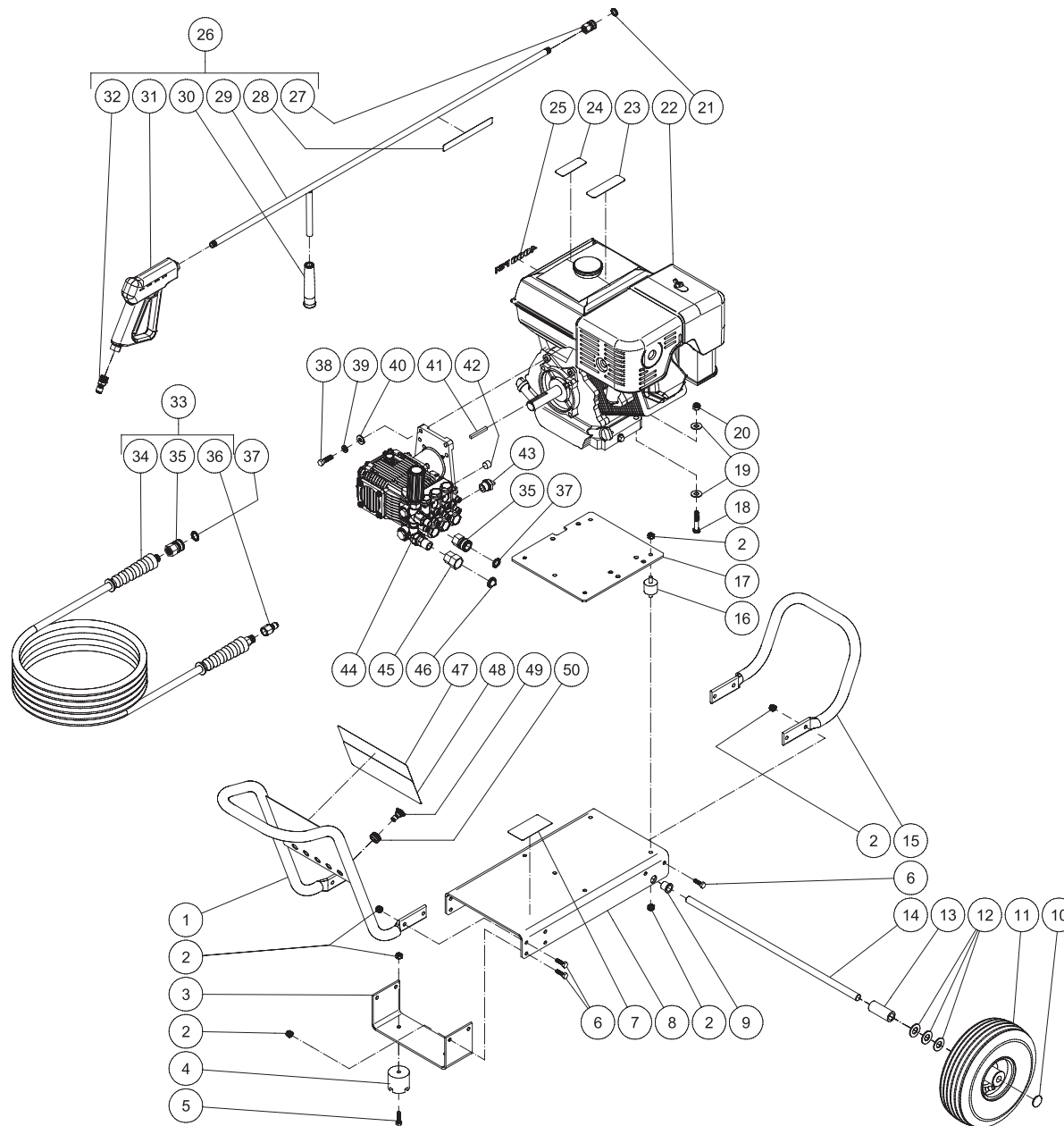


# For parts Call 888-279-9274

CA-4004-0MHB-020205-DLG

| FRAME ASSEMBLY                  |                                                |          |      |        |                                                 |          |      |
|---------------------------------|------------------------------------------------|----------|------|--------|-------------------------------------------------|----------|------|
| REF. #                          | DESCRIPTION                                    | PART #   | QTY. | REF. # | DESCRIPTION                                     | PART #   | QTY. |
| 1                               | Front Handle Assembly                          | 7-0182   | 1    | 25     | Bolt                                            | 27-0121  | 4    |
| 2                               | Locknut                                        | 30-0157  | 22   | 26     | Flatwasher                                      | 28-0023  | 8    |
| 3                               | Support Bracket                                | 56-0054  | 1    | 27     | Locknut                                         | 30-0159  | 4    |
| 4                               | Bolt                                           | 27-0068  | 2    | 28     | O-ring                                          | 25-0123  | 2    |
| 5                               | Isolator                                       | 14-0008  | 2    | 29     | Quick Connect Socket                            | 17-0004  | 2    |
| 6                               | Bolt                                           | 27-0067  | 12   | 30     | Thermal Relief Valve                            | 22-0005  | 1    |
| 7                               | Baseplate                                      | 5-0207   | 1    | 31     | Plug                                            | 23-0244  | 1    |
| 8                               | Bushing                                        | 62-0175  | 2    | 32     | Key                                             | 43-0078  | 1    |
| 9                               | Hub Cap                                        | 33-0018  | 2    | 33     | Washer                                          | 28-0022  | 4    |
| 10                              | Wheel                                          | 14-0017  | 2    | 34     | Lockwasher                                      | 29-0008  | 4    |
| 11                              | Washer                                         | 28-0008  | 7    | 35     | Bolt                                            | 27-0118  | 4    |
| 12                              | Axle Spacer                                    | 62-0189  | 2    | 36     | Pressure Hose Assembly (Inc. 29, 37-38)         | 851-0338 | 1    |
| 13                              | Axle                                           | 20-0748  | 1    | 37     | Quick Connect Plug                              | 17-0006  | 1    |
| 14                              | Rear Handle                                    | 7-0183   | 1    | 38     | Hose                                            | 15-0209  | 1    |
| 15                              | Decal - Data Plate                             | N/A      | 1    | 39     | Engine- 13.0 HP Honda                           | 1-0086   | 1    |
| 16                              | Grommet                                        | 33-0001  | 5    | 40     | Decal- Warning: Risk of Burns (See 34-9014)     | N/A Sep. | 1    |
| 17                              | Nozzle- 0003.5                                 | 18-0257  | 1    | 41     | Decal- Caution: Risk of Fire (See 34-9014)      | N/A Sep. | 1    |
| -                               | Nozzle- 1503.5                                 | 18-0258  | 1    | 42     | O-ring                                          | 25-0122  | 1    |
| -                               | Nozzle- 2503.5                                 | 18-0259  | 1    | 43     | Gun/Wand Assembly (Inc. 44-49)                  | 851-0095 | 1    |
| 18                              | Decal- Warning/Caution/Operation (See 34-9014) | N/A Sep. | 1    | 44     | Quick Connect Plug                              | 17-0001  | 1    |
| 19                              | Decal- 4000 Die Cut                            | 34-1400  | 1    | 45     | Decal- Warning: Risk of Injection (See 34-9014) | N/A Sep. | 1    |
| 20                              | Pump                                           | 3-0266   | 1    | 46     | Wand w/Handle                                   | 16-0418  | 1    |
| 21                              | Garden Hose Swivel                             | 23-0095  | 1    | 47     | Wand Grip                                       | 7-0002   | 1    |
| 22                              | Inlet Filter Washer w/ Screen                  | 19-0001  | 1    | 48     | Trigger Gun                                     | 16-0001  | 1    |
| 23                              | Vibration Isolator                             | 14-0097  | 4    | 49     | Quick Connect Socket                            | 17-0005  | 1    |
| 24                              | Isolation Plate                                | 56-0053  | 1    |        | Decal Kit (Inc. 18, 40-41, 45)                  | 34-9014  |      |
| *Must Order in One Foot Lengths |                                                |          |      |        |                                                 |          |      |

# FRAME ASSEMBLY (AFTER SERIAL #10534499)

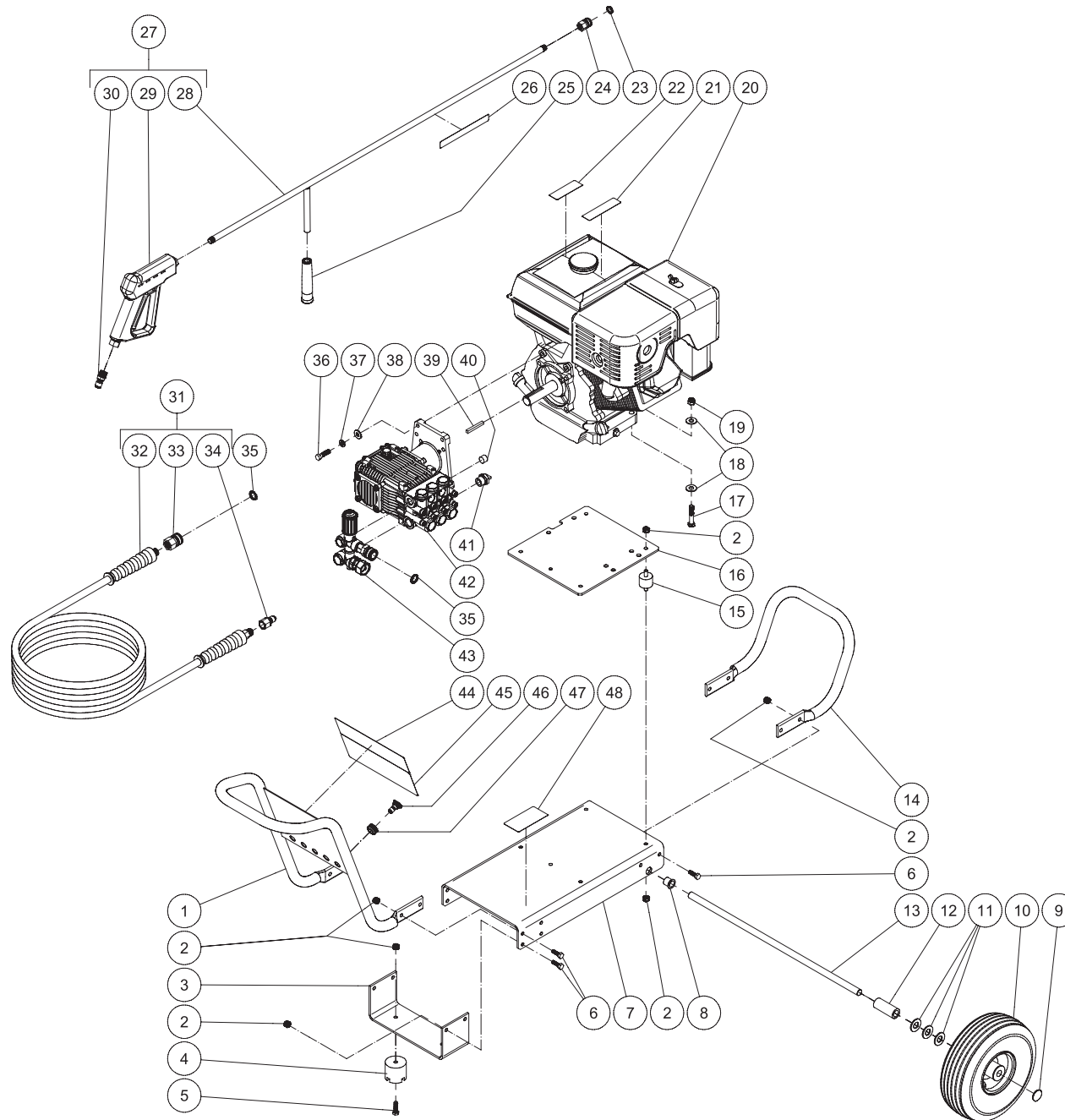




For parts Call 888-279-9274

| CA-4004-0MHB_KB_RB 040912 MLK |                                     |          |     |      |                                                 |          |     |
|-------------------------------|-------------------------------------|----------|-----|------|-------------------------------------------------|----------|-----|
| FRAME ASSEMBLY                |                                     |          |     |      |                                                 |          |     |
| ITEM                          | DESCRIPTION                         | Mi-T-M # | QTY | ITEM | DESCRIPTION                                     | Mi-T-M # | QTY |
| 1                             | HANDLE                              | 7-0182   | 1   | 27   | QUICK CONNECT                                   | 17-0001  | 1   |
| 2                             | LOCKNUT                             | 30-0157  | 22  | 28   | DECAL - RISK OF INJECTION (SEE 71-0065)         | N/A      | 1   |
| 3                             | BRACKET                             | 56-0054  | 1   | 29   | WAND                                            | 16-0439  | 1   |
| 4                             | ISOLATOR                            | 14-0008  | 2   | 30   | GRIP                                            | 7-0002   | 1   |
| 5                             | BOLT                                | 27-0068  | 2   | 31   | GUN                                             | 16-0001  | 1   |
| 6                             | BOLT                                | 27-0067  | 12  | 32   | QUICK CONNECT                                   | 17-0005  | 1   |
| 7                             | DECAL- SILVER STICKER               | N/A      | 1   | 33   | HOSE ASSEMBLY (34-36)                           | 851-0338 | 1   |
| 8                             | BASEPLATE                           | 5-0207   | 1   | 34   | HOSE                                            | 15-0209  | 1   |
| 9                             | BUSHING                             | 62-0175  | 2   | 35   | QC SOCKET                                       | 17-0004  | 2   |
| 10                            | CAP                                 | 33-0018  | 2   | 36   | QUICK CONNECT                                   | 17-0006  | 1   |
| 11                            | WHEEL                               | 14-0017  | 2   | 37   | O-RING                                          | 25-0123  | 2   |
| 12                            | WASHER                              | 28-0008  | 7   | 38   | BOLT                                            | 27-0118  | 4   |
| 13                            | SPACER                              | 62-0189  | 2   | 39   | LOCKWASHER                                      | 29-0008  | 4   |
| 14                            | AXLE                                | 20-0748  | 1   | 40   | WASHER                                          | 28-0022  | 4   |
| 15                            | HANDLE                              | 7-0183   | 1   | 41   | KEY                                             | 43-0078  | 1   |
| 16                            | ISOLATOR                            | 14-0097  | 4   | 42   | PLUG                                            | 23-0244  | 1   |
| 17                            | ISOLATION PLATE                     | 56-0053  | 1   | 43   | RELIEF VALVE                                    | 22-0005  | 1   |
| 18                            | BOLT                                | 27-0121  | 4   | 44   | PUMP                                            | 3-0266   | 1   |
| 19                            | WASHER                              | 28-0023  | 8   | 45   | SWIVEL                                          | 23-0001  | 1   |
| 20                            | LOCKNUT                             | 30-0159  | 4   | 46   | FILTER                                          | 19-0001  | 1   |
| 21                            | O-RING                              | 25-0122  | 1   | 47   | DECAL - MI-T-M PLACARD                          | 34-2150  | 1   |
| 22                            | ENGINE - HONDA (0MHB)               | 1-0086   | 1   | 48   | DECAL - WARNING/CAUTION/OPERATION (SEE 71-0065) | N/A      | 1   |
| -                             | ENGINE - ROBIN (0MRB)               | 1-0176   | 1   | 49   | NOZZLE                                          | 18-0392  | 1   |
| -                             | ENGINE - KOHLER (0MKB)              | 1-0208   | 1   | -    | NOZZLE                                          | 18-0393  | 1   |
| 23                            | DECAL - RISK OF BURNS (SEE 71-0065) | N/A      | 1   | -    | NOZZLE                                          | 18-0395  | 1   |
| 24                            | DECAL - RISK OF FIRE (SEE 71-0065)  | N/A      | 1   | 50   | GROMMET                                         | 33-0001  | 5   |
| 25                            | DECAL - DIE CUT                     | 34-2216  | 1   | -    | DECAL SET                                       | 71-0065  | 1   |
| 26                            | GUN/WAND ASSEMBLY (27-32)           | 851-0371 | 1   |      |                                                 |          |     |

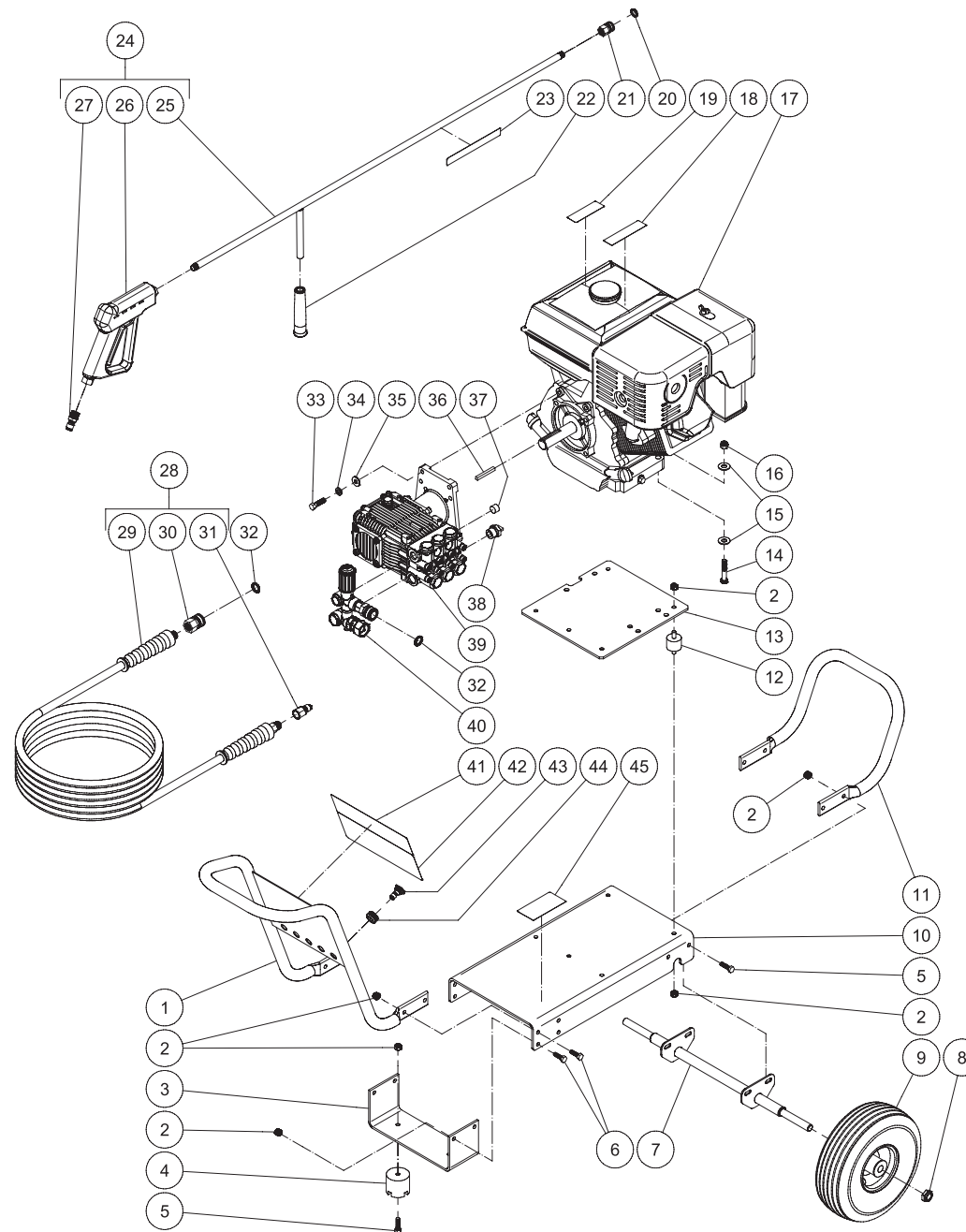
# FRAME ASSEMBLY (AFTER SERIAL #10741768)



For parts Call 888-279-9274

| CA-4004-1MAH_AK_AS 062013 JPS |                                     |          |     |  |      |                                                 |              |
|-------------------------------|-------------------------------------|----------|-----|--|------|-------------------------------------------------|--------------|
| FRAME ASSEMBLY                |                                     |          |     |  |      |                                                 |              |
| ITEM                          | DESCRIPTION                         | Mi-T-M # | QTY |  | ITEM | DESCRIPTION                                     | Mi-T-M # QTY |
| 1                             | HANDLE                              | 7-0182   | 1   |  | 26   | DECAL - RISK OF INJECTION (SEE 71-0065)         | N/A 1        |
| 2                             | LOCKNUT                             | 30-0157  | 22  |  | 27   | GUN/WAND ASSEMBLY (28-30)                       | 851-0371 1   |
| 3                             | BRACKET                             | 56-0054  | 1   |  | 28   | WAND (INC GRIP & QC)                            | 16-0439 1    |
| 4                             | ISOLATOR                            | 14-0008  | 2   |  | 29   | GUN                                             | 16-0001 1    |
| 5                             | BOLT                                | 27-0068  | 2   |  | 30   | QUICK CONNECT                                   | 17-0005 1    |
| 6                             | BOLT                                | 27-0067  | 12  |  | 31   | HOSE ASSEMBLY (32-34)                           | 851-0338 1   |
| 7                             | BASEPLATE                           | 5-0207   | 1   |  | 32   | HOSE                                            | 15-0209 1    |
| 8                             | BUSHING                             | 62-0175  | 2   |  | 33   | QC SOCKET                                       | 17-0004 1    |
| 9                             | CAP                                 | 33-0018  | 2   |  | 34   | QUICK CONNECT                                   | 17-0006 1    |
| 10                            | WHEEL                               | 14-0130  | 2   |  | 35   | O-RING                                          | 25-0123 2    |
| 11                            | WASHER                              | 28-0008  | 7   |  | 36   | BOLT                                            | 27-0118 4    |
| 12                            | SPACER                              | 62-0189  | 2   |  | 37   | LOCKWASHER                                      | 29-0008 4    |
| 13                            | AXLE                                | 20-0748  | 1   |  | 38   | WASHER                                          | 28-0022 4    |
| 14                            | HANDLE                              | 7-0183   | 1   |  | 39   | KEY                                             | 43-0078 1    |
| 15                            | ISOLATOR                            | 14-0097  | 4   |  | 40   | PLUG                                            | 23-0244 1    |
| 16                            | ISOLATION PLATE                     | 56-0053  | 1   |  | 41   | RELIEF VALVE                                    | 22-0005 1    |
| 17                            | BOLT                                | 27-0121  | 4   |  | 42   | PUMP                                            | 3-0310 1     |
| 18                            | WASHER                              | 28-0023  | 8   |  | 43   | UNLOADER ASSY WITHOUT CHEM INJ                  | 8-0630 1     |
| 19                            | LOCKNUT                             | 30-0159  | 4   |  | 44   | DECAL                                           | 34-2771 1    |
| 20                            | ENGINE - HONDA                      | 1-0086   | 1   |  | 45   | DECAL - WARNING/CAUTION/OPERATION (SEE 71-0065) | N/A 1        |
| -                             | ENGINE - SUBARU                     | 1-0176   | 1   |  | 46   | NOZZLE                                          | 18-0392 1    |
| -                             | ENGINE - KOHLER                     | 1-0208   | 1   |  | -    | NOZZLE                                          | 18-0393 1    |
| 21                            | DECAL - RISK OF BURNS (SEE 71-0065) | N/A      | 1   |  | -    | NOZZLE                                          | 18-0395 1    |
| 22                            | DECAL - RISK OF FIRE (SEE 71-0065)  | N/A      | 1   |  | 47   | GROMMET                                         | 33-0001 5    |
| 23                            | O-RING                              | 25-0122  | 1   |  | 48   | DECAL- SILVER STICKER                           | N/A 1        |
| 24                            | QUICK CONNECT                       | 17-0001  | 1   |  | -    | DECAL SET                                       | 71-0065 1    |
| 25                            | GRIP                                | 7-0002   | 1   |  |      |                                                 |              |

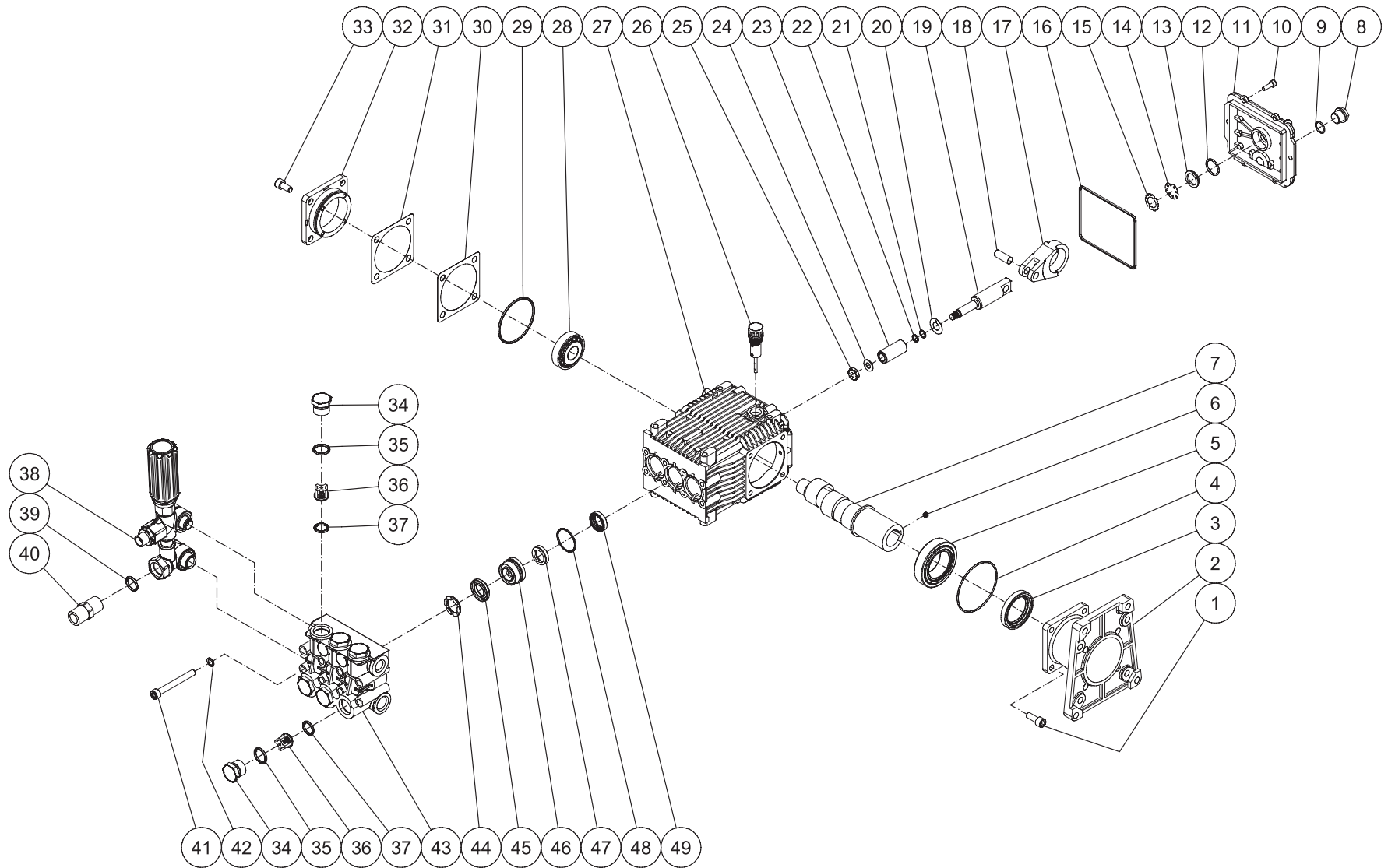
# FRAME ASSEMBLY (AFTER SERIAL #10754656)



For parts Call 888-279-9274

| CA-4004-1MAH_AK_AS 101713 CH |                                         |            |     |  |      |                                                 |              |
|------------------------------|-----------------------------------------|------------|-----|--|------|-------------------------------------------------|--------------|
| FRAME ASSEMBLY               |                                         |            |     |  |      |                                                 |              |
| ITEM                         | DESCRIPTION                             | Mi-T-M #   | QTY |  | ITEM | DESCRIPTION                                     | Mi-T-M # QTY |
| 1                            | HANDLE                                  | 7-0182     | 1   |  | 24   | GUN/WAND ASSEMBLY (25-27)                       | 851-0371 1   |
| 2                            | LOCKNUT                                 | 30-0157    | 22  |  | 25   | WAND (INC GRIP & QC)                            | 16-0439 1    |
| 3                            | BRACKET                                 | 56-0054    | 1   |  | 26   | GUN                                             | 16-0001 1    |
| 4                            | ISOLATOR                                | 14-0008    | 2   |  | 27   | QUICK CONNECT                                   | 17-0005 1    |
| 5                            | BOLT                                    | 27-0068    | 6   |  | 28   | PRESSURE HOSE ASSEMBLY (29-31)                  | 851-0338 1   |
| 6                            | BOLT                                    | 27-0067    | 8   |  | 29   | HOSE                                            | 15-0209 1    |
| 7                            | AXLE                                    | 13-0230A53 | 1   |  | 30   | QC SOCKET                                       | 17-0004 1    |
| 8                            | LOCKNUT                                 | 30-0117    | 2   |  | 31   | QUICK CONNECT                                   | 17-0006 1    |
| 9                            | WHEEL                                   | 14-0130    | 2   |  | 32   | O-RING                                          | 25-0123 2    |
| 10                           | BASEPLATE                               | 5-0207     | 1   |  | 33   | BOLT                                            | 27-0118 4    |
| 11                           | HANDLE                                  | 7-0183     | 1   |  | 34   | LOCKWASHER                                      | 29-0008 4    |
| 12                           | ISOLATOR                                | 14-0097    | 4   |  | 35   | WASHER                                          | 28-0022 4    |
| 13                           | ISOLATION PLATE                         | 56-0053    | 1   |  | 36   | KEY                                             | 43-0078 1    |
| 14                           | BOLT                                    | 27-0121    | 4   |  | 37   | PLUG                                            | 23-0244 1    |
| 15                           | WASHER                                  | 28-0023    | 8   |  | 38   | RELIEF VALVE                                    | 22-0005 1    |
| 16                           | LOCKNUT                                 | 30-0159    | 4   |  | 39   | PUMP                                            | 3-0310 1     |
| 17                           | ENGINE - HONDA                          | 1-0086     | 1   |  | 40   | UNLOADER ASSY WITHOUT CHEM INJ                  | 8-0630 1     |
| -                            | ENGINE - SUBARU                         | 1-0176     | 1   |  | 41   | DECAL                                           | N/A 1        |
| -                            | ENGINE - KOHLER                         | 1-0208     | 1   |  | 42   | DECAL - WARNING/CAUTION/OPERATION (SEE 71-0065) | N/A 1        |
| 18                           | DECAL - RISK OF BURNS (SEE 71-0065)     | N/A        | 1   |  | 43   | NOZZLE                                          | 18-0392 1    |
| 19                           | DECAL - RISK OF FIRE (SEE 71-0065)      | N/A        | 1   |  | -    | NOZZLE                                          | 18-0393 1    |
| 20                           | O-RING                                  | 25-0122    | 1   |  | -    | NOZZLE                                          | 18-0395 1    |
| 21                           | QUICK CONNECT                           | 17-0001    | 1   |  | 44   | GROMMET                                         | 33-0001 5    |
| 22                           | GRIP                                    | 7-0002     | 1   |  | 45   | DECAL- SILVER STICKER                           | N/A 1        |
| 23                           | DECAL - RISK OF INJECTION (SEE 71-0065) | N/A        | 1   |  | -    | DECAL SET                                       | 71-0065 1    |

# **PUMP ASSEMBLY (3-0266)**



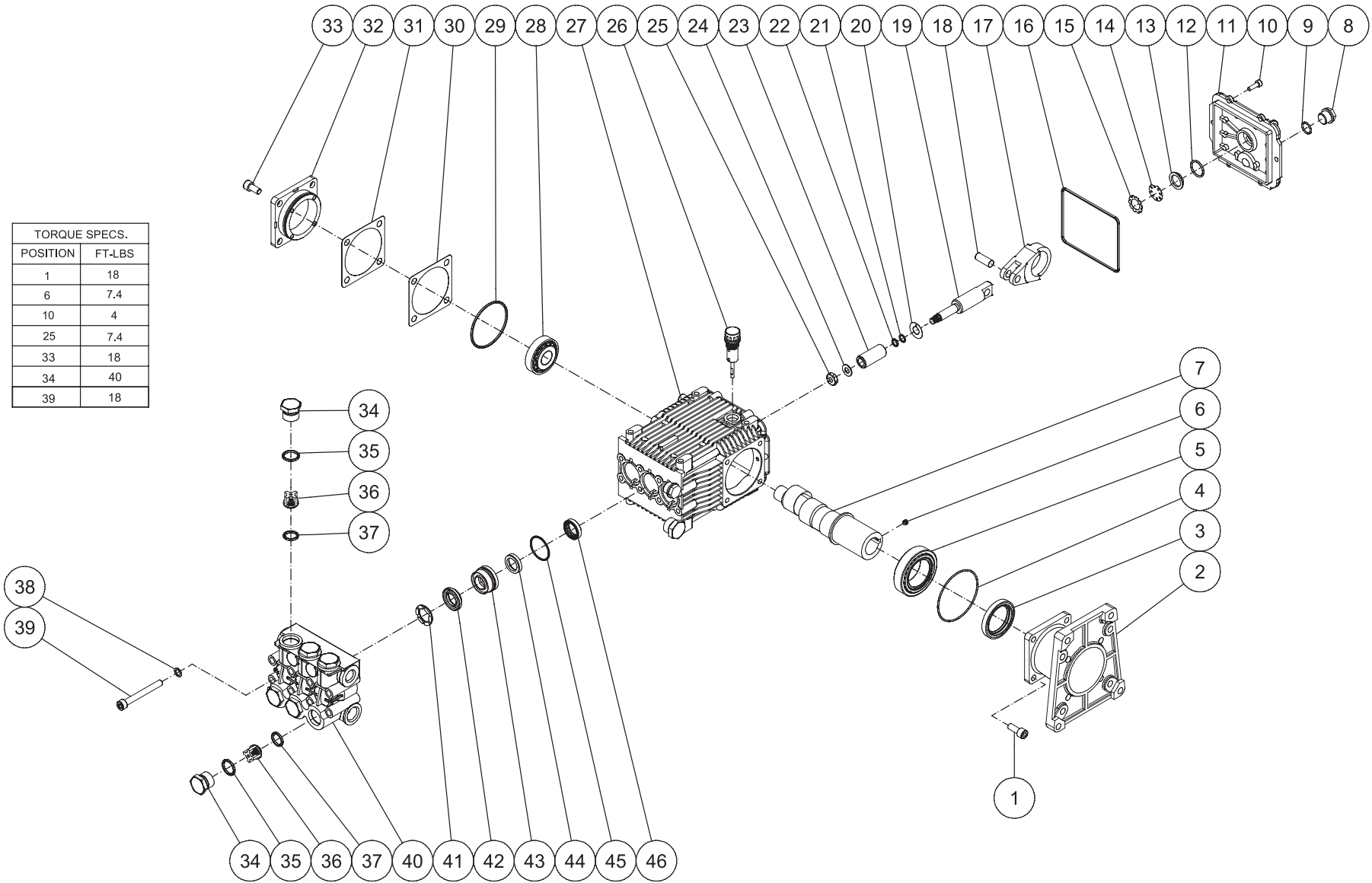
3-0266-022412-MLK

For parts Call 888-279-9274

| 3-0266 022412 MLK |                 |          |     |  |      |                                                  |              |
|-------------------|-----------------|----------|-----|--|------|--------------------------------------------------|--------------|
| PUMP ASSEMBLY     |                 |          |     |  |      |                                                  |              |
| ITEM              | DESCRIPTION     | Mi-T-M # | QTY |  | ITEM | DESCRIPTION                                      | Mi-T-M # QTY |
| 1                 | SCREW           | 27-8432  | 4   |  | 28   | BEARING                                          | 48-0072 1    |
| 2                 | PUMP FLANGE     | 46-0714  | 1   |  | 29   | O-RING                                           | 25-0380 1    |
| 3                 | OIL SEAL        | 26-0194  | 1   |  | 30   | SHIM                                             | 46-0705 1    |
| 4                 | O-RING          | 25-0397  | 1   |  | 31   | SHIM                                             | 46-0704 1    |
| 5                 | BEARING         | 48-0062  | 1   |  | 32   | BEARING CAP/SUPPORT                              | 46-0703 1    |
| 6                 | BOLT            | 27-8886  | 1   |  | 33   | BOLT                                             | 27-8884 4    |
| 7                 | CRANKSHAFT      | 46-0959  | 1   |  | 34   | VALVE CAP                                        | 39-0095 6    |
| 8                 | PLUG            | 39-0086  | 1   |  | 35   | O-RING                                           | 25-0160 6    |
| 9                 | O-RING          | 25-0325  | 1   |  | 36   | VALVE                                            | - 6          |
| 10                | BOLT            | 27-8885  | 6   |  | 37   | O-RING                                           | 25-0386 6    |
| 11                | CRANKCASE COVER | 46-0719  | 1   |  | 38   | UNLOADER                                         | 8-0533 1     |
| 12                | O-RING          | 25-0370  | 1   |  | 39   | O-RING                                           | 25-0602 1    |
| 13                | OIL SIGHT GLASS | 46-0670  | 1   |  | 40   | NIPPLE                                           | 23-0012 1    |
| 14                | OIL REFLECTOR   | 46-0824  | 1   |  | 41   | BOLT                                             | 27-8440 8    |
| 15                | SPRING RETAINER | 46-0671  | 1   |  | 42   | LOCKWASHER                                       | 29-0154 8    |
| 16                | O-RING          | 25-0398  | 1   |  | 43   | MANIFOLD                                         | 46-1186 1    |
| 17                | CONNECTING ROD  | 46-0922  | 3   |  | 44   | SUPPORT RING                                     | 46-0710 3    |
| 18                | PISTON PIN      | 46-0698  | 3   |  | 45   | V PACKING                                        | 46-0709 3    |
| 19                | PLUNGER ROD     | 46-0699  | 3   |  | 46   | PACKING RETAINER                                 | 46-0708 3    |
| 20                | SLINGER WASHER  | 46-0700  | 3   |  | 47   | LOW PRESSURE SEAL                                | 46-0707 3    |
| 21                | O-RING          | 25-0404  | 3   |  | 48   | O-RING                                           | 25-0384 3    |
| 22                | O-RING          | 25-0415  | 3   |  | 49   | OIL SEAL                                         | 46-0931 3    |
| 23                | PISTON          | 46-0701  | 3   |  |      | Oil Seals Kit (Inc. 3, 4, 16, 29, 49)            | 70-0337      |
| 24                | WASHER/GASKET   | 26-0191  | 3   |  |      | Piston Kit (Inc. 3 each 20-25)                   | 70-0352      |
| 25                | NUT             | 30-6020  | 3   |  |      | High Pressure Seals Kit (Inc. 3 each 45, 47, 48) | 70-0177      |
| 26                | OIL DIPSTICK    | 39-0090  | 1   |  |      | Support Ring Kit (Inc. 3 each 44)                | 70-0178      |
| 27                | CRANKCASE       | 46-1198  | 1   |  |      | Valve Kit (Inc. 6 each 36, 37)                   | 70-0179      |

PUMP ASSEMBLY (3-0310)

| TORQUE SPECS. |        |
|---------------|--------|
| POSITION      | FT-LBS |
| 1             | 18     |
| 6             | 7.4    |
| 10            | 4      |
| 25            | 7.4    |
| 33            | 18     |
| 34            | 40     |
| 39            | 18     |



3-0310-061913-RAG

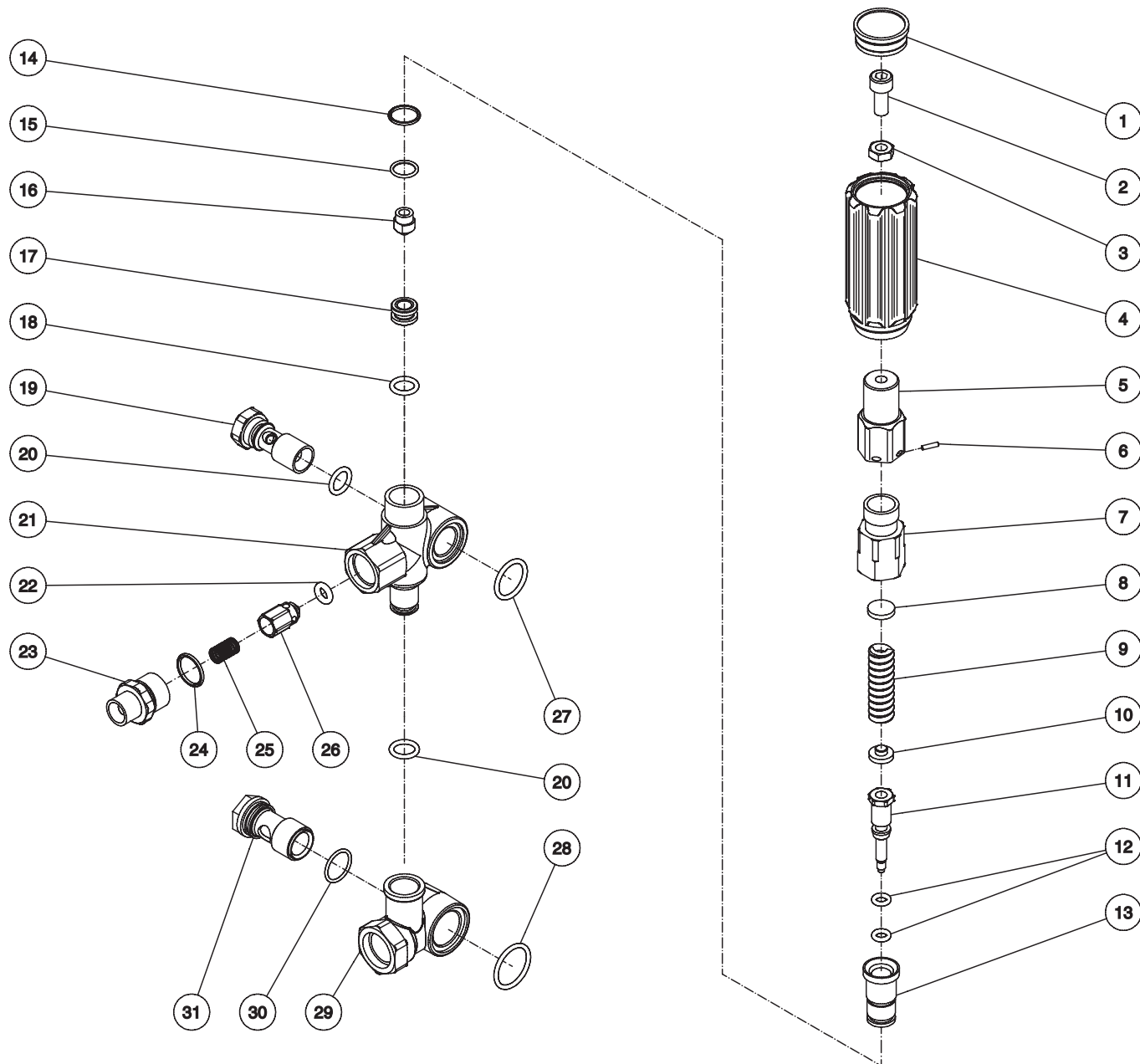


For parts Call 888-279-9274

| 3-0310 061913 RAG |                                  |         |     |  |      |                                     |               |
|-------------------|----------------------------------|---------|-----|--|------|-------------------------------------|---------------|
| PUMP ASSEMBLY     |                                  |         |     |  |      |                                     |               |
| ITEM              | DESCRIPTION                      | PART #  | QTY |  | ITEM | DESCRIPTION                         | PART # QTY    |
| 1                 | SCREW                            | 27-8432 | 4   |  | 25   | NUT (SEE KIT 70-0352)               | 30-6020 3     |
| 2                 | PUMP FLANGE                      | 46-0714 | 1   |  | 26   | OIL DIPSTICK                        | 39-0090 1     |
| 3                 | OIL SEAL (SEE KIT 70-0337)       | 26-0194 | 1   |  | 27   | CRANKCASE                           | 46-1198 1     |
| 4                 | O-RING (SEE KIT 70-0337)         | 25-0397 | 1   |  | 28   | BEARING                             | 48-0072 1     |
| 5                 | BEARING                          | 48-0062 | 1   |  | 29   | O-RING (SEE KIT 70-0337)            | 25-0380 1     |
| 6                 | SET SCREW                        | 27-8886 | 1   |  | 30   | SHIM                                | 46-0705 (1-3) |
| 7                 | CRANKSHAFT                       | 46-0959 | 1   |  | 31   | SHIM                                | 46-0704 (1-3) |
| 8                 | PLUG                             | 39-0086 | 2   |  | 32   | BEARING CAP/SUPPORT                 | 46-0703 1     |
| 9                 | O-RING                           | 25-0325 | 2   |  | 33   | BOLT                                | 27-8884 4     |
| 10                | BOLT                             | 27-8885 | 6   |  | 34   | VALVE CAP                           | 39-0095 6     |
| 11                | CRANKCASE COVER                  | 46-0719 | 1   |  | 35   | O-RING                              | 25-0160 6     |
| 12                | O-RING                           | 25-0370 | 1   |  | 36   | VALVE (SEE KIT 70-0179)             | SEE KIT 6     |
| 13                | OIL SIGHT GLASS                  | 46-0670 | 1   |  | 37   | O-RING (SEE KIT 70-0179)            | 25-0386 6     |
| 14                | OIL REFLECTOR                    | 46-0824 | 1   |  | 38   | LOCKWASHER                          | 29-0154 8     |
| 15                | SPRING RETAINER                  | 46-0671 | 1   |  | 39   | BOLT                                | 27-8440 8     |
| 16                | O-RING (SEE KIT 70-0337)         | 25-0398 | 1   |  | 40   | MANIFOLD                            | 46-1186 1     |
| 17                | CONNECTING ROD                   | 46-0922 | 3   |  | 41   | SUPPORT RING (SEE KIT 70-0178)      | 46-0710 3     |
| 18                | PISTON PIN                       | 46-0698 | 3   |  | 42   | V PACKING (SEE KIT 70-0177)         | 46-0709 3     |
| 19                | PLUNGER ROD                      | 46-0699 | 3   |  | 43   | PACKING RETAINER                    | 46-0708 3     |
| 20                | SLINGER WASHER (SEE KIT 70-0352) | 46-0700 | 3   |  | 44   | LOW PRESSURE SEAL (SEE KIT 70-0177) | 46-0707 3     |
| 21                | O-RING (SEE KIT 70-0352)         | 25-0404 | 3   |  | 45   | O-RING (SEE KIT 70-0177)            | 25-0384 3     |
| 22                | O-RING (SEE KIT 70-0352)         | 25-0382 | 3   |  | 46   | OIL SEAL (SEE KIT 70-0337)          | 46-0931 3     |
| 23                | PISTON (SEE KIT 70-0352)         | 46-0701 | 3   |  | 47   | O-RING                              | 25-0372 1     |
| 24                | WASHER/GASKET (SEE KIT 70-0352)  | 26-0191 | 3   |  | 48   | PLUG                                | 39-0088 1     |

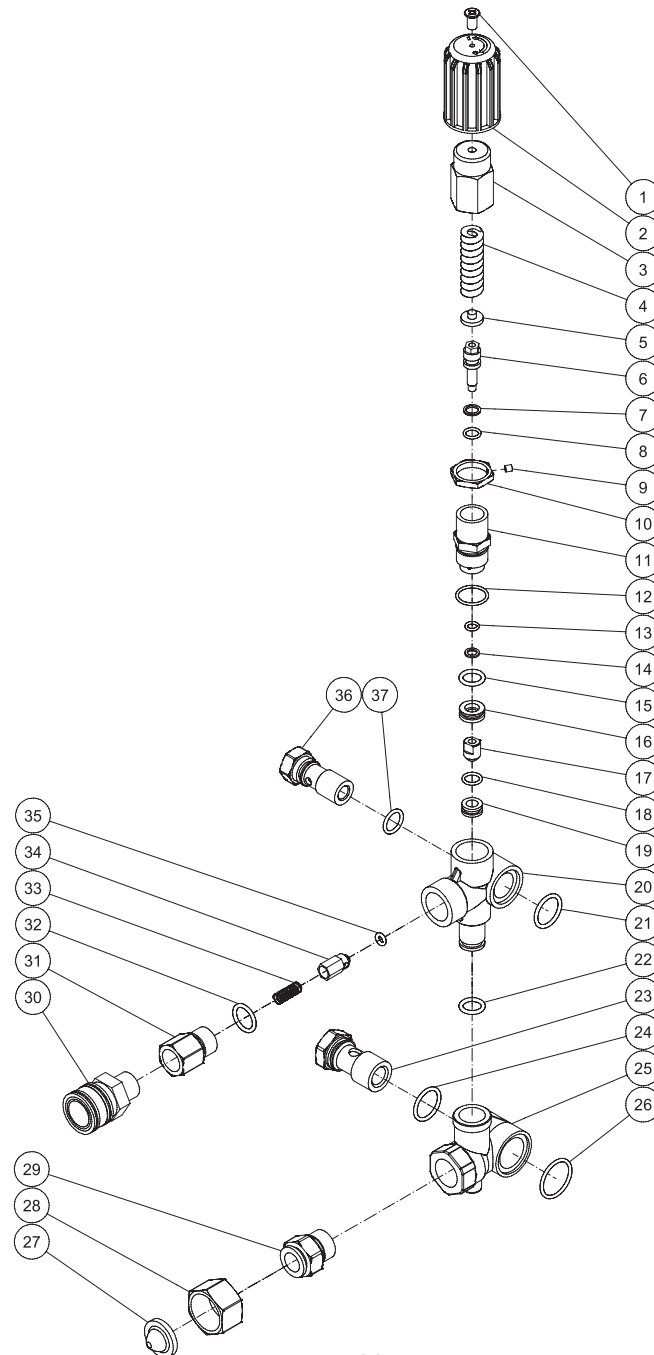
| REPLACEMENT KITS |                           |              |                 |                |
|------------------|---------------------------|--------------|-----------------|----------------|
| KIT #            | DESCRIPTION               | ITEMS        | # OF ASSEMBLIES | # OF CYLINDERS |
| 70-0337          | KIT - OIL SEALS           | 3,4,16,29,46 | 1,1,1,1,3       | 3              |
| 70-0352          | KIT - PISTONS             | 20-25        | 3               | 3              |
| 70-0177          | KIT - HIGH PRESSURE SEALS | 42,44,45     | 3               | 3              |
| 70-0178          | KIT - SUPPORT RINGS       | 41           | 3               | 3              |
| 70-0179          | KIT-VALVES                | 36,37        | 6               | 3              |

## UNLOADER ASSEMBLY (8-0533)



| UNLOADER ASSEMBLY (8-0533) |                 |         |      |    |                                                                  |                             |         |      |
|----------------------------|-----------------|---------|------|----|------------------------------------------------------------------|-----------------------------|---------|------|
| REF. #                     | DESCRIPTION     | PART #  | QTY. |    | REF. #                                                           | DESCRIPTION                 | PART #  | QTY. |
| 1                          | Unloader Cap    | 7-0142  | 1    |    | 17                                                               | Seat                        | 8-0529  | 1    |
| 2                          | Screw           | 27-8433 | 1    |    | 18                                                               | O-ring                      | 25-0527 | 1    |
| 3                          | Nut             | 30-3025 | 1    |    | 19                                                               | Bolt                        | 8-0531  | 1    |
| 4                          | Unloader Knob   | 7-0141  | 1    |    | 20                                                               | O-ring                      | 25-0388 | 2    |
| 5                          | Unloader        | 8-0476  | 1    |    | 21                                                               | Unloader Body               | 8-0530  | 1    |
| 6                          | Unloader Pin    | 8-0478  | 1    |    | 22                                                               | O-ring                      | 25-0437 | 1    |
| 7                          | Spring Guide    | 8-0523  | 1    |    | 23                                                               | Adapter Nipple              | 24-0159 | 1    |
| 8                          | Upper Plate     | 8-0524  | 1    |    | 24                                                               | O-ring                      | 25-0372 | 1    |
| 9                          | Unloader Spring | 49-0132 | 1    |    | 25                                                               | Unloader Check Valve Spring | 49-0123 | 1    |
| 10                         | Lower Plate     | 8-0525  | 1    |    | 26                                                               | Unloader Check Valve        | 8-0454  | 1    |
| 11                         | Piston          | 8-0526  | 1    |    | 27                                                               | O-ring                      | 25-0528 | 1    |
| 12                         | O-ring          | 25-0526 | 2    |    | 28                                                               | O-ring                      | 25-0519 | 1    |
| 13                         | Piston Guide    | 8-0527  | 1    |    | 29                                                               | Bypass Housing              | 8-0532  | 1    |
| 14                         | O-ring          | 25-0510 | 1    |    | 30                                                               | O-ring                      | 25-0389 | 1    |
| 15                         | O-ring          | 25-0407 | 1    | 31 | Bolt                                                             | 8-0517                      | 1       |      |
| 16                         | Bypass Jet      | 8-0528  | 1    |    | Unloader Repair Kit (Inc. 12, 14-15, 18, 20, 22, 24, 27, 28, 30) | 70-0341                     |         |      |

# UNLOADER ASSEMBLY (8-0630)



| 8-0630 102714 JDK |                                        |         |     |  |
|-------------------|----------------------------------------|---------|-----|--|
| UNLOADER ASSEMBLY |                                        |         |     |  |
| ITEM              | DESCRIPTION                            | PART #  | QTY |  |
| 1                 | SCREW (SEE KIT 70-0647)                | 27-2772 | 1   |  |
| 2                 | KNOB (SEE KIT 70-0647)                 | 7-0250  | 1   |  |
| 3                 | KNOB (SEE KIT 70-0647)                 | SEE KIT | 1   |  |
| 4                 | SPRING (SEE KIT 70-0647)               | SEE KIT | 1   |  |
| 5                 | SPRING SEAT (SEE KIT 70-0647)          | SEE KIT | 1   |  |
| 6                 | VALVE ROD (SEE KIT 70-0647)            | SEE KIT | 1   |  |
| 7                 | SUPPORT RING (SEE KIT 70-0647)         | SEE KIT | 1   |  |
| 8                 | O-RING (SEE KIT 70-0647)               | 25-0651 | 1   |  |
| 9                 | SET SCREW (SEE KIT 70-0647)            | 8-0479  | 1   |  |
| 10                | JAM NUT (SEE KIT 70-0647)              | SEE KIT | 1   |  |
| 11                | VALVE BODY (SEE KIT 70-0647)           | SEE KIT | 1   |  |
| 12                | O-RING (SEE KIT 70-0647)               | 25-0652 | 1   |  |
| 13                | O-RING (SEE KIT 70-0647)               | 25-0163 | 1   |  |
| 14                | SUPPORT RING (SEE KIT 70-0647)         | SEE KIT | 1   |  |
| 15                | O-RING (SEE KIT 70-0647)               | 25-0655 | 1   |  |
| 16                | BY PASS JET UNLOADER (SEE KIT 70-0647) | SEE KIT | 1   |  |
| 17                | BULLET (SEE KIT 70-0647)               | SEE KIT | 1   |  |
| 18                | O-RING (SEE KIT 70-0647)               | 25-0656 | 1   |  |
| 19                | VALVE SEAT (SEE KIT 70-0647)           | SEE KIT | 1   |  |
| 20                | VALVE HOUSING                          | SEE KIT | 1   |  |
| 21                | O-RING                                 | 25-0664 | 1   |  |
| 22                | O-RING                                 | 25-0684 | 1   |  |
| 23                | INLET BANJO BOLT                       | 8-0595  | 1   |  |
| 24                | O-RING                                 | 25-0602 | 1   |  |
| 25                | BY PASS HOUSING                        | SEE KIT | 1   |  |
| 26                | O-RING                                 | 25-0654 | 1   |  |
| 27                | FILTER (SEE KIT 23-0095)               | 19-0001 | 1   |  |
| 28                | SWIVEL NUT (SEE KIT 23-0095)           | SEE KIT | 1   |  |
| 29                | INLET CONNECTOR (SEE KIT 23-0095)      | SEE KIT | 1   |  |
| 30                | QUICK CONNECT SOCKET                   | 17-0007 | 1   |  |
| 31                | OUTLET CONNECTOR                       | 46-1389 | 1   |  |
| 32                | O-RING                                 | 25-0386 | 1   |  |
| 33                | SPRING (SEE KIT 70-0500)               | SEE KIT | 1   |  |
| 34                | CHECKING VALVE (SEE KIT 70-0500)       | SEE KIT | 1   |  |
| 35                | O-RING (SEE KIT 70-0500)               | 25-0653 | 1   |  |
| 36                | OUTLET BANJO BOLT                      | 8-0594  | 1   |  |
| 37                | O-RING                                 | 25-0169 | 1   |  |

| REPLACEMENT KITS |                              |       |                 |
|------------------|------------------------------|-------|-----------------|
| KIT #            | DESCRIPTION                  | ITEMS | # OF ASSEMBLIES |
| 23-0095          | KIT - GARDEN HOSE INLET ASSY | 27-29 | 1               |
| 70-0500          | KIT - NON-RETURN VALVES      | 33-35 | 1               |
| 70-0647          | KIT - UNLOADER REBUILD       | 1-19  | 1               |

For parts Call 888-279-9274

Manufactured by Mi-T-M  
8650 Enterprise Drive, Peosta IA 52068  
563-556-7484/ Fax 563-556-1235