

# *The* ***Chore Master***<sup>®</sup> by Mi-T-M<sup>®</sup>

## PARTS LIST FOR ***CV-2400-0MIC***

**Engine Oil Grade:**

**Engine Oil Capacity:**

**Pump Oil Grade:**

**Pump Oil Capacity:**

**Nozzle Size:**

**Above 40°F=SAE30**

**Below 40°F=SAE10W-30**

**20 oz.**

**SAE75W-90 Synthetic**

**4.5 oz.**

**1.15 mm**

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 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 engine without first removing the ignition cable from the spark plug. Turning over the machinery by hand during adjustment or cleaning might start the engine and machinery with it, 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. Be especially careful to properly dispose of any flammable materials.
- 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**

**FRAME ASSEMBLY FOR CV-2400-0MIC ..... 4**

**PUMP ASSEMBLY (3-0204) ..... 6**

**GUN ASSEMBLY (16-0364) ..... 8**

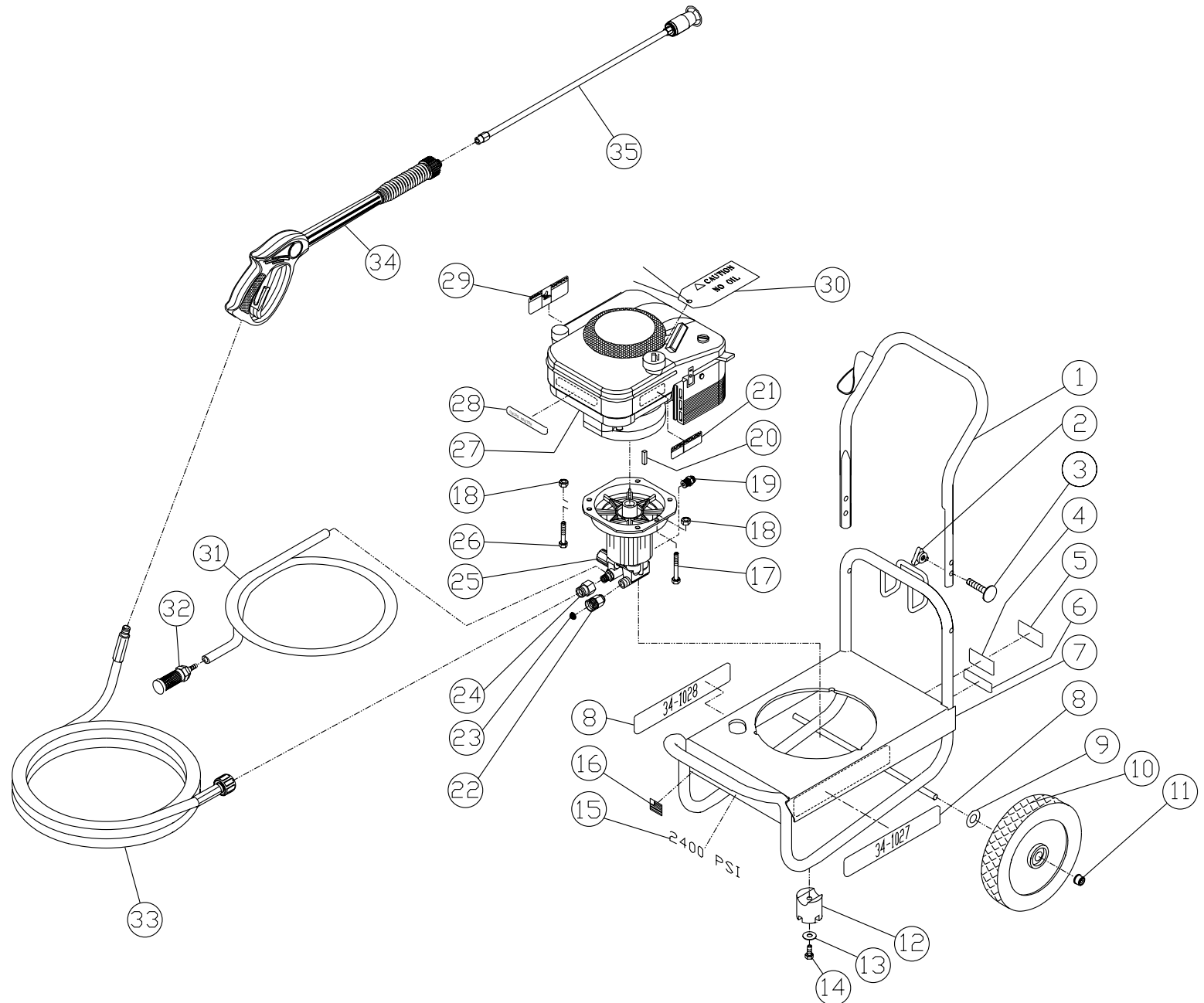
**LANCE ASSEMBLY (16-0381) ..... 10**

## SPECIFICATIONS

CV-2400-OMIC

| MODEL NUMBER                           | CV-2400-OMIC                                       |
|----------------------------------------|----------------------------------------------------|
| <b>Operating Pressure (PSI/Bar):</b>   | 2400/166                                           |
| <b>High Pressure Nozzle:</b>           | 2.0/7.6                                            |
| <b>Water Volume (GPM/lpm):</b>         | 1.15 mm                                            |
| <b>Engine:</b>                         | Intek OHV                                          |
| Horsepower                             | 6.0                                                |
| Engine Type                            | 4 Stroke, Overhead Valve, Single Cylinder          |
| Oil Type                               | Above 40 F=SAE30/Below 40 F=SAE10W-30              |
| Oil Capacity (oz./liters)              | 20/.6                                              |
| Fuel Type                              | Unleaded Gasoline 86 Octane Minimum                |
| Fuel Capacity (gallon/ liters)         | .4/1.5                                             |
| Starting                               | Recoil Rope                                        |
| Maximum No Load RPM                    | 3600 (+/- 100) RPM                                 |
| <b>Pump:</b>                           | Direct Driven, Oil Bath, Triplex Axial Piston      |
| Oil Type                               | SAE 75W-90 Synthetic                               |
| Oil Capacity (oz./liters)              | 4.5/.13                                            |
| Plungers                               | Ceramic Coated                                     |
| Manifold                               | Forged Brass                                       |
| Valves                                 | Stainless Steel                                    |
| Heat Dump Valve                        | Relieves heated water during unloader bypass stage |
| <b>Unloader:</b>                       | Adjustable                                         |
| <b>Detergent Injector:</b>             | Low pressure down stream from pump                 |
| <b>Unit Net Weight (lbs/Kg)</b>        | 70/32                                              |
| <b>Unit Shipping Weight (lbs/Kg)</b>   | 87/40                                              |
| <b>Unit Net Dimension (in/cm)</b>      | 26Lx17Wx24H/66Lx43Wx60H                            |
| <b>Unit Shipping Dimension (in/cm)</b> | 29.5Lx18.5Wx25H/75Lx47Wx63.5H                      |

# FRAME ASSEMBLY FOR CV-2400-0MIC

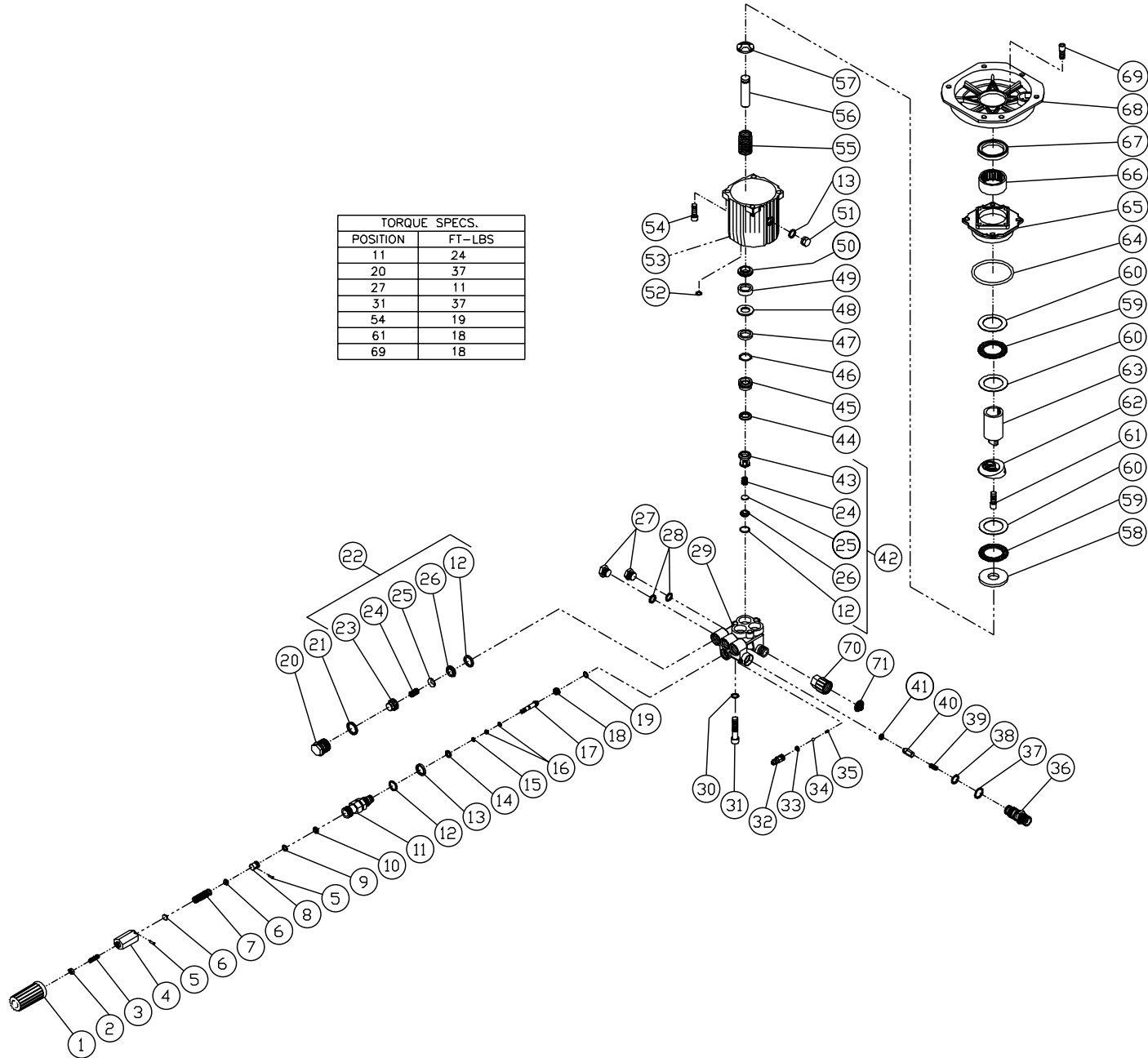


CV-2400-0MIC-011700-PYB

| FRAME ASSEMBLY FOR CV-2400-OMIC |                                                |           |      |                                 |                                      |         |      |
|---------------------------------|------------------------------------------------|-----------|------|---------------------------------|--------------------------------------|---------|------|
| REF. #                          | DESCRIPTION                                    | PART #    | QTY. | REF. #                          | DESCRIPTION                          | PART #  | QTY. |
| 1                               | Handle                                         | 7-0165A01 | 1    | 19                              | Heat Dump Valve                      | 22-0208 | 1    |
| 2                               | Knob                                           | 7-0107    | 2    | 20                              | Key                                  | 43-0106 | 1    |
| 3                               | Bolt                                           | 31-0051   | 2    | 21                              | Decal- Caution: Allow to Cool (E/S)  | 34-0599 | 1    |
| 4                               | Decal- Data Plate                              | N/A       | 1    | 22                              | Garden Hose Swivel                   | 23-0001 | 1    |
| 5                               | Decal- Clear Laminate                          | N/A       | 1    | 23                              | Filter                               | 19-0001 | 1    |
| 6                               | Decal- Serial Number                           | N/A       | 1    | 24                              | Adapter                              | 23-0279 | 1    |
| 7                               | Frame                                          | 5-0158A01 | 1    | 25                              | Pump                                 | 3-0204  | 1    |
| 8                               | Decal- Warning/Cauton/Operating (English Only) | 34-1027   | 1    | 26                              | Bolt                                 | 27-0070 | 2    |
| -                               | Decal- Warning/Cauton/Operating (Spanish Only) | 34-1028   | 1    | 27                              | Engine- 6.0 H.P. Intek OHV           | 1-0113  | 1    |
| 9                               | Washer                                         | 28-0006   | 5    | 28                              | Decal- Chore Master                  | 34-0590 | 1    |
| 10                              | Wheel                                          | 14-0077   | 2    | 29                              | Decal- Warning: Muffler Hot (E/S)    | 34-0598 | 1    |
| 11                              | Hub Cap                                        | 33-0055   | 2    | 30                              | Decal- Tag: Shipped w/ No Oil (E/S)  | 34-0732 | 1    |
| 12                              | Isolator                                       | 14-0066   | 2    | 31                              | Detergent Hose *(Four Feet Required) | 15-0021 | 1    |
| 13                              | Washer                                         | 28-0021   | 2    | 32                              | Detergent Strainer                   | 19-0050 | 1    |
| 14                              | Screw                                          | 27-3096   | 2    | 33                              | Pressure Hose                        | 15-0215 | 1    |
| 15                              | Decal- 2400 Die Cut                            | 34-0772   | 1    | 34                              | Gun                                  | 16-0364 | 1    |
| 16                              | Decal- American Flag                           | 34-0521   | 1    | 35                              | Lance                                | 16-0381 | 1    |
| 17                              | Bolt                                           | 27-0074   | 1    | *Must Order in One Foot Lengths |                                      |         |      |
| 18                              | Locknut                                        | 30-0157   | 3    |                                 |                                      |         |      |

# **PUMP ASSEMBLY (3-0204)**

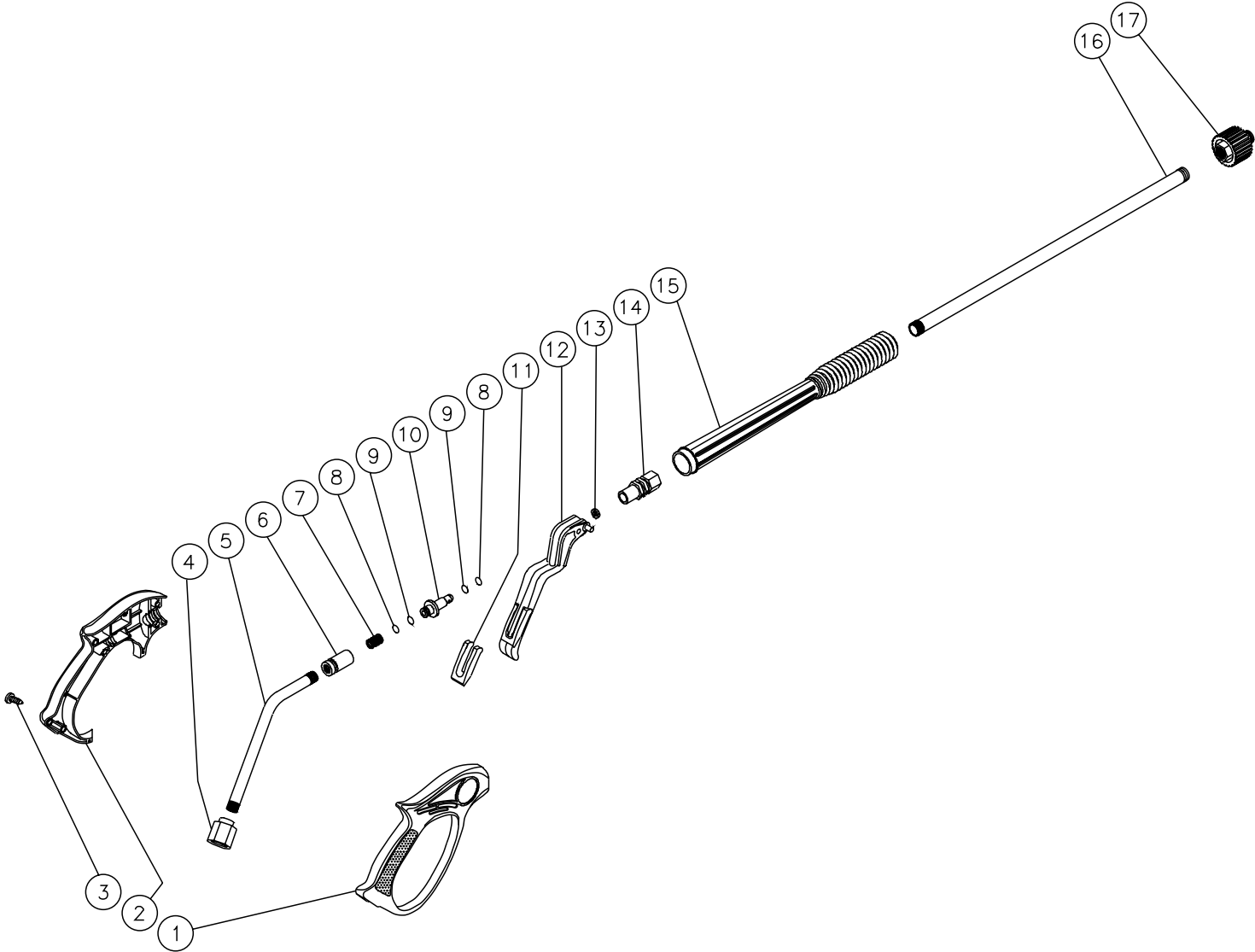
| TORQUE SPECS. |        |
|---------------|--------|
| POSITION      | FT-LBS |
| 11            | 24     |
| 20            | 37     |
| 27            | 11     |
| 31            | 37     |
| 54            | 19     |
| 61            | 18     |
| 69            | 18     |



## PUMP ASSEMBLY (3-0204)

| REF. # | DESCRIPTION                                          | PART #   | QTY. | REF. # | DESCRIPTION                                              | PART #   | QTY. | REF. # | DESCRIPTION                                     | PART #  | QTY. |
|--------|------------------------------------------------------|----------|------|--------|----------------------------------------------------------|----------|------|--------|-------------------------------------------------|---------|------|
| 1      | Unloader Knob                                        | 7-0163   | 1    | 26     | Valve Seat (See 70-0290)                                 | N/A Sep. | 6    | 51     | Oil Sight Glass                                 | 39-0119 | 1    |
| 2      | Nut                                                  | 30-6024  | 1    | 27     | Plug                                                     | 39-0096  | 2    | 52     | O-ring                                          | 25-0502 | 1    |
| 3      | Set Screw                                            | 27-8959  | 1    | 28     | O-ring                                                   | 25-0387  | 2    | 53     | Pump Housing                                    | 46-0873 | 1    |
| 4      | Adjustment Barrel                                    | 8-0500   | 1    | 29     | Manifold                                                 | 46-0880  | 1    | 54     | Bolt                                            | 27-8432 | 4    |
| 5      | Pin                                                  | 43-0087  | 2    | 30     | Lockwasher                                               | 29-0055  | 3    | 55     | Spring                                          | 49-0142 | 3    |
| 6      | Spring Button                                        | 8-0501   | 2    | 31     | Bolt                                                     | 27-8960  | 3    | 56     | Piston                                          | 46-0874 | 3    |
| 7      | Spring                                               | 49-0119  | 1    | 32     | Hose Barb                                                | 46-0869  | 1    | 57     | Spring Retainer                                 | 46-0875 | 3    |
| 8      | Poppet                                               | 8-0415   | 1    | 33     | O-ring (See 70-293)                                      | N/A Sep. | 1    | 58     | Washer                                          | 46-0876 | 1    |
| 9      | Back-up Ring (See 70-0292)                           | N/A Sep. | 1    | 34     | Ball (See 70-293)                                        | N/A Sep. | 1    | 59     | Bearing                                         | 48-0057 | 2    |
| 10     | O-ring (See 70-0292)                                 | N/A Sep. | 1    | 35     | Detergent Injector Spring (See 70-293)                   | N/A Sep. | 1    | 60     | Washer                                          | 48-0056 | 3    |
| 11     | Piston Guide                                         | 8-0502   | 1    | 36     | Injector Adapter                                         | 46-0870  | 1    | 61     | Bolt                                            | 27-8884 | 1    |
| 12     | O-ring                                               | 25-0386  | 7    | 37     | O-ring                                                   | 25-0159  | 1    | 62     | Wobble Plate                                    | 46-0877 | 1    |
| 13     | O-ring                                               | 25-0325  | 2    | 38     | O-ring                                                   | 25-0407  | 1    | 63     | Shaft                                           | 48-0071 | 1    |
| 14     | O-ring                                               | 25-0403  | 1    | 39     | Spring                                                   | 49-0124  | 1    | 64     | O-ring                                          | 25-0503 | 1    |
| 15     | Back-up Ring                                         | 25-0408  | 1    | 40     | Check Valve                                              | 8-0458   | 1    | 65     | Pump Flange                                     | 46-0893 | 1    |
| 16     | O-ring                                               | 25-0253  | 2    | 41     | O-ring                                                   | 25-0406  | 1    | 66     | Bearing                                         | 48-0071 | 1    |
| 17     | Piston                                               | 8-0413   | 1    | 42     | Single Valve Assembly (Inc. 12, 24-26, 43) (See 70-0290) | N/A Sep. | 1    | 67     | Oil Seal                                        | 26-0192 | 1    |
| 18     | Valve Seat                                           | 8-0503   | 1    | 43     | Valve Cage/Support Ring (See 70-0290)                    | N/A Sep. | 3    | 68     | Flange                                          | 46-0894 | 1    |
| 19     | O-ring                                               | 25-0500  | 1    | 44     | V-Packing (See 70-0291)                                  | N/A Sep. | 3    | 69     | Bolt                                            | 27-8888 | 1    |
| 20     | Valve Cap                                            | 39-0087  | 3    | 45     | Packing Retainer                                         | 46-0871  | 3    | 70     | Water Hose Connector                            | 23-0001 | 1    |
| 21     | O-ring                                               | 25-0160  | 3    | 46     | O-ring                                                   | 25-0501  | 3    | 71     | Filter                                          | 19-0001 | 1    |
| 22     | Single Valve Assembly (Inc. 12, 23-26) (See 70-0290) | N/A Sep. | 3    | 47     | Low Pressure Seal (See 70-0291)                          | N/A Sep. | 3    |        | Valve Kit (Inc. 3 each 22, 42)                  | 70-0290 |      |
| 23     | Valve Cage (See 70-0290)                             | N/A Sep. | 3    | 48     | Retainer                                                 | 46-0872  | 3    |        | High Pressure Seals Kit (Inc. 3 each 44, 46-48) | 70-0291 |      |
| 24     | Valve Spring (See 70-0290)                           | N/A Sep. | 6    | 49     | Spacer                                                   | 46-0892  | 3    |        | Unloader Repair Kit (Inc. 9, 10, 12-16, 19, 41) | 70-0292 |      |
| 25     | Valve Plate (See 70-0290)                            | N/A Sep. | 6    | 50     | Oil Seal                                                 | 26-0239  | 3    |        | Injector Repair Kit (Inc. 33-35)                | 70-0293 |      |

GUN ASSEMBLY (16-0364)

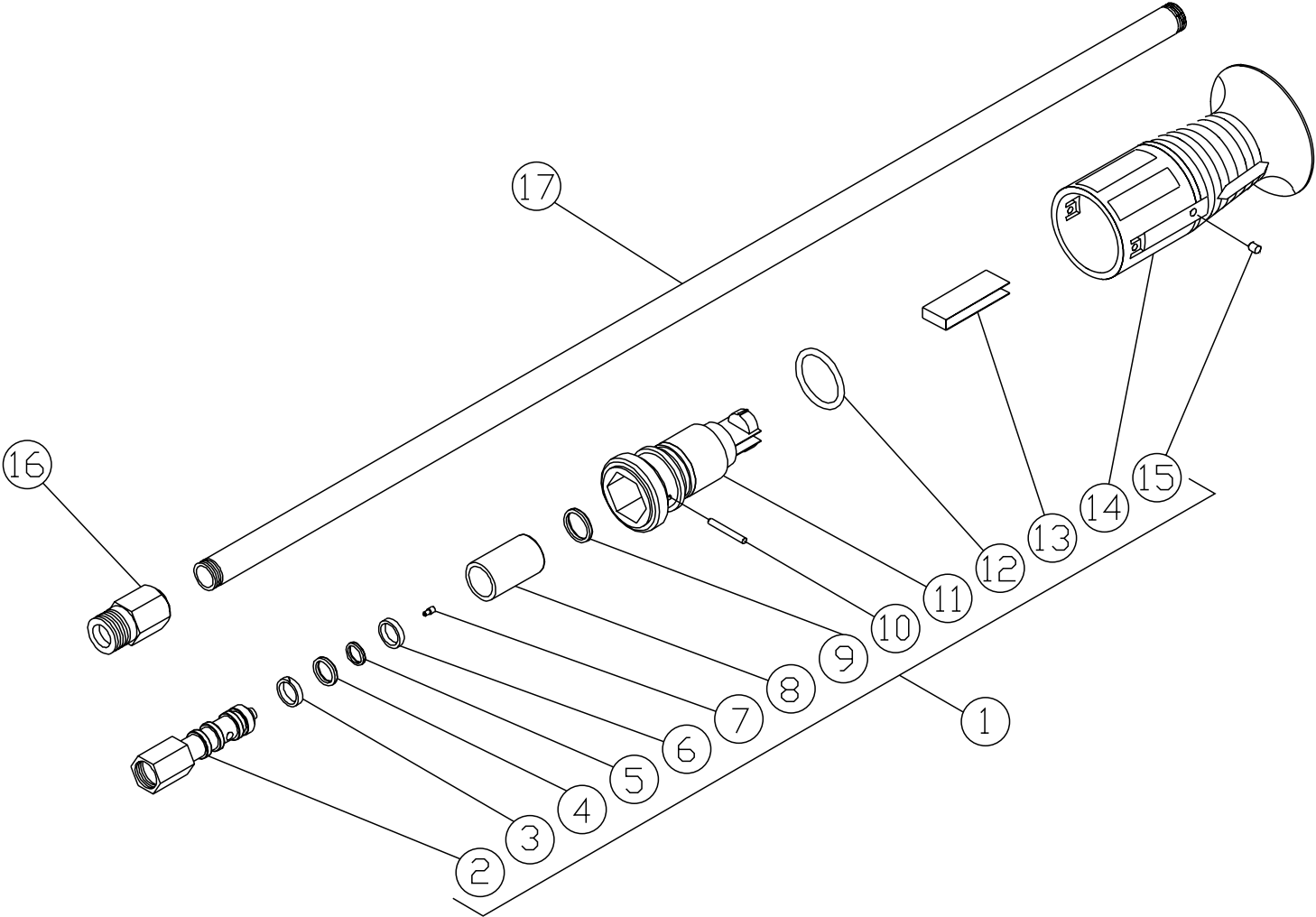


16-0364-102700-RD



| GUN/LANCE ASSEMBLY (16-0364) |                       |          |      |  |        |                                        |         |      |
|------------------------------|-----------------------|----------|------|--|--------|----------------------------------------|---------|------|
| REF. #                       | DESCRIPTION           | PART #   | QTY. |  | REF. # | DESCRIPTION                            | PART #  | QTY. |
| 1                            | Gun Body (Right Side) | 16-0367  | 1    |  | 11     | Trigger Lock                           | 16-0372 | 1    |
| 2                            | Gun Body (Left Side)  | 16-0368  | 1    |  | 12     | Trigger                                | 16-0373 | 1    |
| 3                            | Screw                 | 27-8862  | 6    |  | 13     | Seat                                   | 26-0238 | 1    |
| 4                            | Adapter               | 23-0384  | 1    |  | 14     | Brass Body Outlet                      | 16-0374 | 1    |
| 5                            | Pipe (See 70-0287)    | N/A Sep. | 1    |  | 15     | Gripping Area (Plastic)                | 16-0375 | 1    |
| 6                            | Brass Body Inlet      | 16-0370  | 1    |  | 16     | Pipe                                   | 16-0376 | 1    |
| 7                            | Spring                | 49-0141  | 1    |  | 17     | Screw Connnect Coupling                | 16-0377 | 1    |
| 8                            | O-ring                | 25-0363  | 2    |  |        | Inlet Kit (Includes 4-6)               | 70-0287 |      |
| 9                            | Back-up Ring          | 25-0416  | 2    |  |        | Shutter Valve Kit (Includes 7-10)      | 70-0288 |      |
| 10                           | Valve                 | 16-0371  | 1    |  |        | Complete Gun/Wand Assembly (Inc. 1-17) | 16-0364 |      |

LANCE ASSEMBLY (16-0381)



16-0381-102700-RD

| LANCE ASSEMBLY (16-0381) |                                 |          |      |
|--------------------------|---------------------------------|----------|------|
| REF. #                   | DESCRIPTION                     | PART #   | QTY. |
| 1                        | Nozzle Assembly (Includes 2-14) | 18-0354  | 1    |
| 2                        | Nozzle Body                     | 18-0284  | 1    |
| 3                        | Back-up Ring                    | 25-0346  | 1    |
| 4                        | O-ring                          | 25-0345  | 1    |
| 5                        | O-ring                          | 25-0343  | 1    |
| 6                        | Back-up Ring                    | 25-0344  | 1    |
| 7                        | Nozzle- 1.15 mm                 | 18-0351  | 1    |
| 8                        | Sleeve (See 18-0354)            | N/A Sep. | 1    |
| 9                        | O-ring                          | 25-0419  | 1    |
| 10                       | Pin                             | 43-0083  | 1    |
| 11                       | Plastic Housing (See 18-0354)   | N/A Sep. | 1    |
| 12                       | O-ring                          | 25-0342  | 1    |
| 13                       | Angle Plate                     | 18-0283  | 1    |
| 14                       | Nozzle Protector                | 18-0353  | 1    |
| 15                       | I.D. Pin                        | 18-0352  | 1    |
| 16                       | Coupling                        | 16-0378  | 1    |
| 17                       | Pipe                            | 16-0379  | 1    |
|                          | Repair Kit (Inc. 4-6, 13)       | 70-0303  |      |

