27517-1
27550

*Fisher Engineering*

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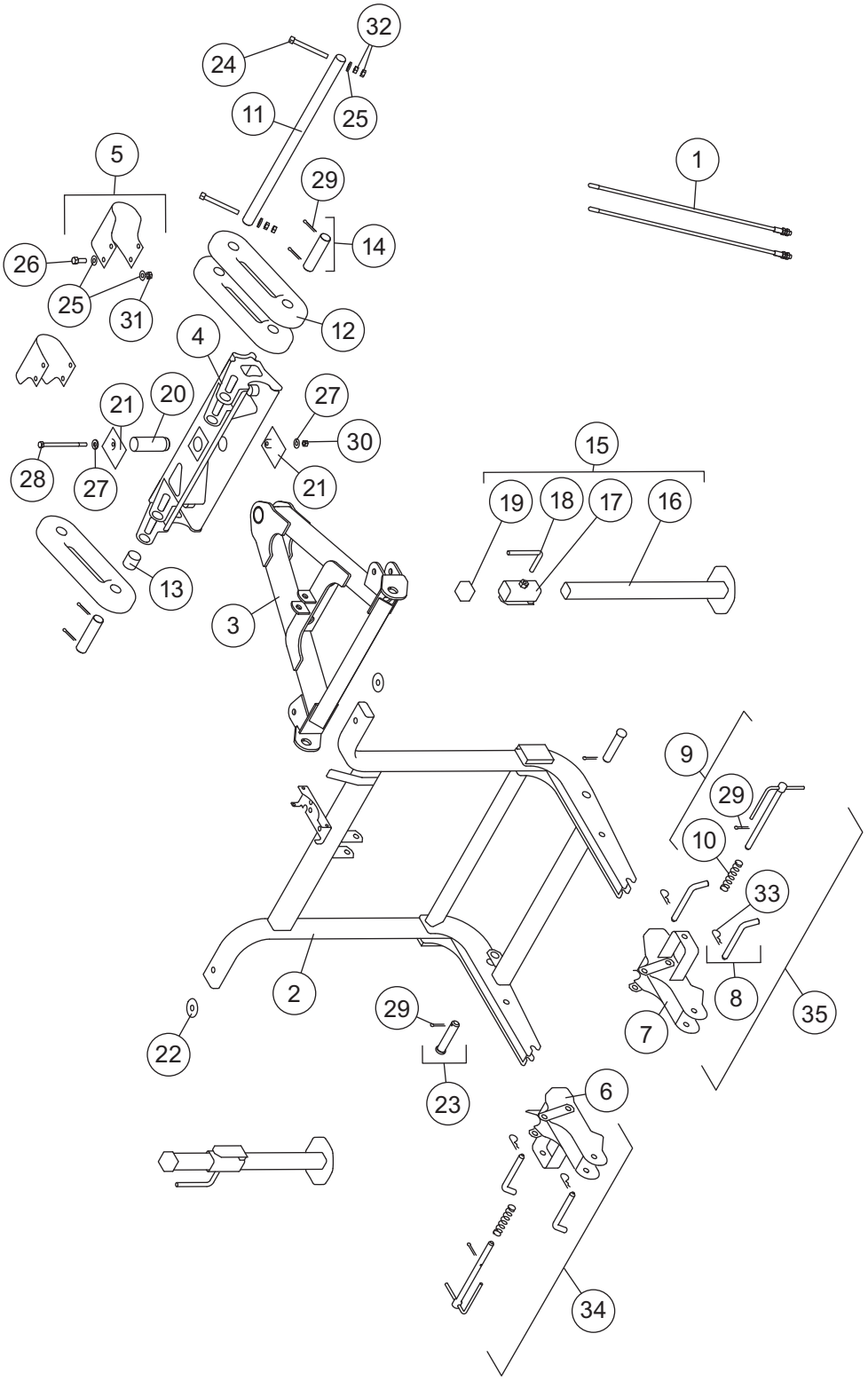
# Homesteader™ Personal Plow

## Plow Gear Kit and Hydraulic Kit

### Parts List

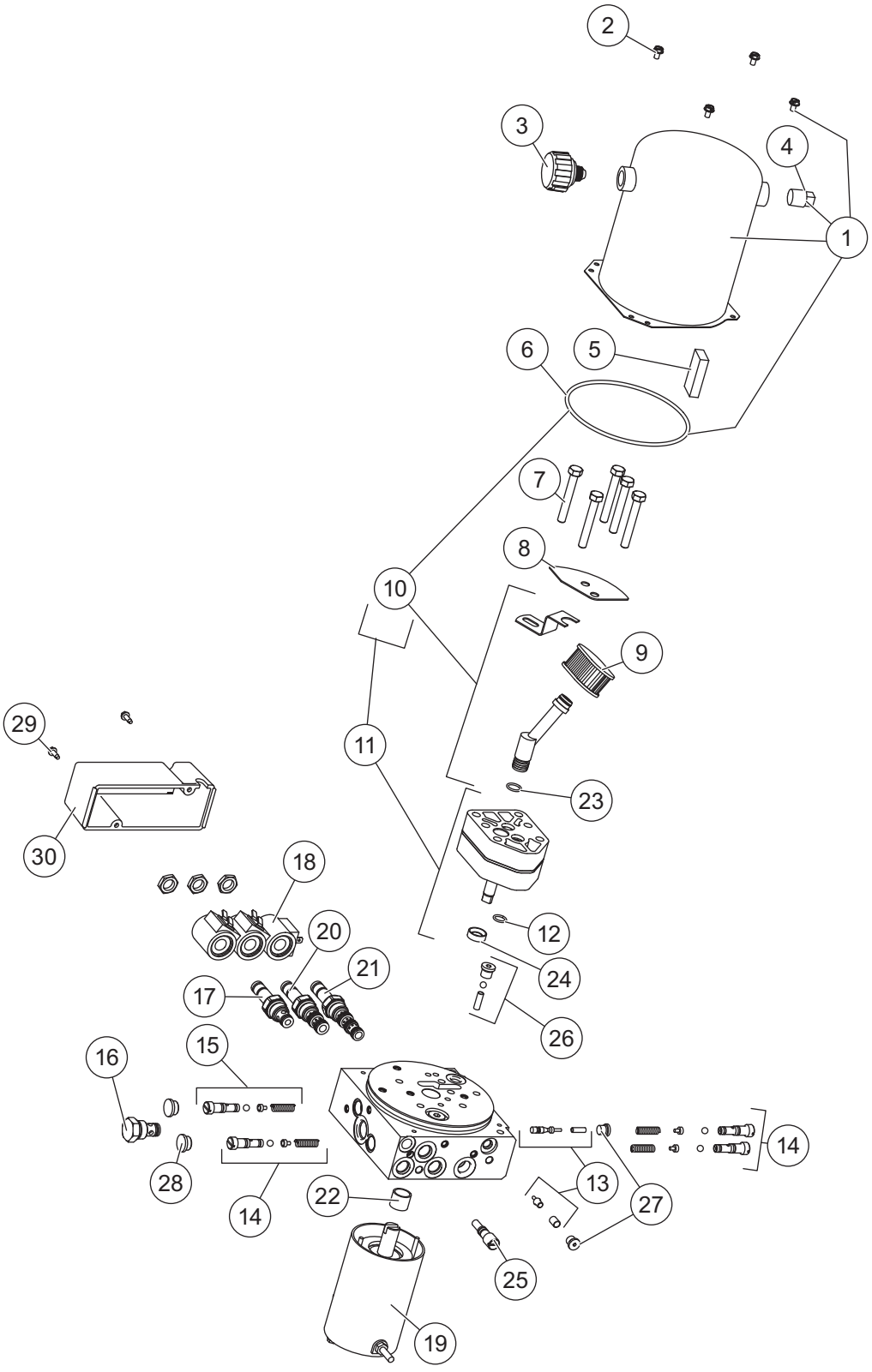
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## Plow Gear and A-Frame Components



| 27550 Plow Gear Kit – Personal Plow | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Item** | **Part** | **Qty** | **Description** | **Item** | **Part** | **Qty** | **Description** |
| 1 | 27195 | 1 | Flexible Blade Guide Kit – 26" (Pair) | 18 | 27358 | 2 | Jack Handle |
| 2 | 27126 | 1 | Plow Gear Frame, Personal Plow | 19 | 27692 | 2 | Square Vinyl Cap |
| 3 | 27138 | 1 | A-Frame, Personal Plow | 20 | 27141 | 1 | Pivot Tube |
| 4 | 27112 | 1 | Quadrant, Personal Plow | 21 | 27615 | 2 | Trip Bumper |
| 5 | 27577 | 2 | Trip Clamp Replacement Kit w/Fasteners | 22 | 4433 | 2 | 1/2 Flat Washer |
| | | | | 23 | 20639 | 2 | 3/4 x 3-15/32 Machine Pin Packet |
| 6 | 27146 | 1 | Receiver – DS | 24 | 27529 | 2 | 3/8-16 x 3-1/2 Hex Cap Screw G5 |
| 7 | 27611 | 1 | Receiver – PS | 25 | 63925 | 18 | 3/8 Flat Washer |
| 8 | 27575 | 4 | Receiver Mounting Pin Kit | 26 | 90039 | 8 | 3/8-16 x 1 Hex Cap Screw G5 |
| 9 | 27576 | 2 | Receiver Pull Pin Kit | 27 | 90313 | 2 | 5/16 Flat Washer |
| 10 | 27461 | 2 | Compression Spring | 28 | 90602 | 1 | 5/16-18 x 5 Hex Cap Screw G5 |
| 11 | 27149 | 1 | Spring Bar Tube | 29 | 91911 | 8 | 5/32 x 1-1/2 Cotter Pin |
| 12 | 27351 | 3 | Elastomeric Trip Spring | 30 | 91332 | 1 | 5/16-18 Hex Locknut GB |
| 13 | 27530 | 1 | Trip Spring Spacer | 31 | 91333 | 8 | 3/8-16 Hex Locknut GB |
| 14 | 27711 | 2 | Lower Trip Spring Pin Kit | 32 | 91413 | 4 | 3/8-16 Hex Nut G5 |
| 15 | 27360 | 2 | Jack | 33 | 91962 | 4 | 1/8 Hairpin Cotter |
| 16 | 27355 | 2 | Jack Leg | 34 | 27754 | 1 | Receiver Assembly – DS |
| 17 | 27357 | 2 | Jack Sleeve | 35 | 27755 | 1 | Receiver Assembly – PS |
| **27754 Receiver Assembly – DS** | | | | | | | |
| 6 | 27146 | 1 | Receiver – DS | | | 1 | Receiver Pull Pin |
| | | 2 | Receiver Mounting Pin | 10 | 27461 | 1 | Compression Spring |
| 33 | 91962 | 2 | 1/8 Hairpin Cotter | 29 | 90658 | 1 | 5/32 x 1-1/4 Cotter Pin |
| **27755 Receiver Assembly – PS** | | | | | | | |
| 7 | 27611 | 1 | Receiver – PS | | | 1 | Receiver Pull Pin |
| | | 2 | Receiver Mounting Pin | 10 | 27461 | 1 | Compression Spring |
| 33 | 91962 | 2 | 1/8 Hairpin Cotter | 29 | 90658 | 1 | 5/32 x 1-1/4 Cotter Pin |
| G = Grade | | | | | | | |

## Hydraulic Unit Components

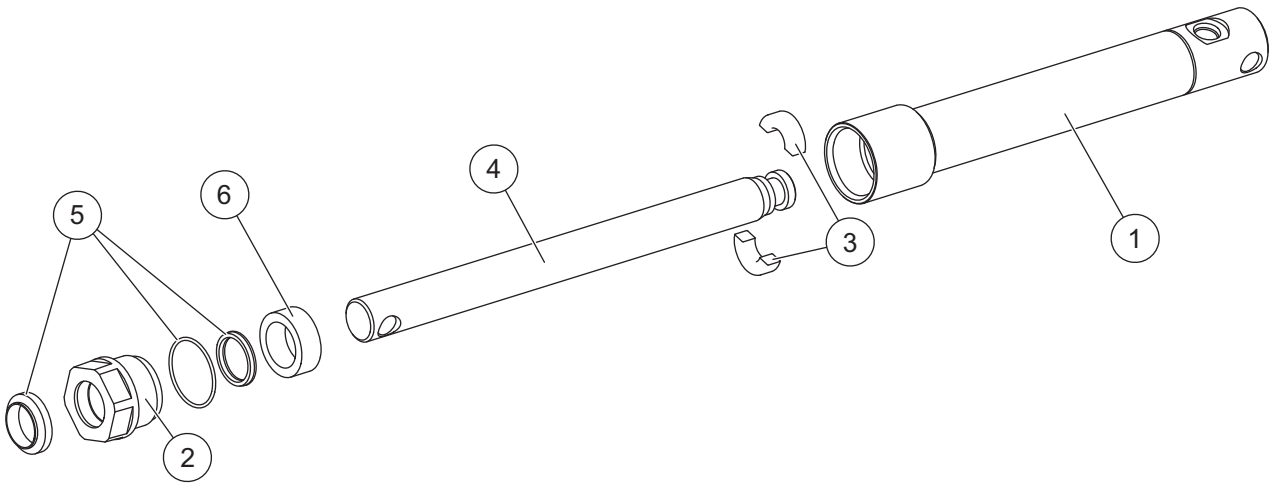


| 48601 Hydraulic Unit | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Item** | **Part** | **Qty** | **Description** | **Item** | **Part** | **Qty** | **Description** |
| 1 | 48538 | 1 | Reservoir Kit | 16 | 44333-1 | 1 | Check Valve CV08-20 |
| 2 | 66607 | 4 | 10-24 x 5/16 Machine Screw Slotted Hex Washer Head | 17 | 7634K-2 | 1 | Valve 2-Way w/Nut |
| | | | | 18 | 7639K-2 | 3 | Coil w/Spade Terminals |
| 3 | 21727-2 | 1 | Breather 3/8 NPT Kit | 19 | 27753 | 1 | Motor Assembly 3" |
| 4 | 92079 | 1 | Plug 3/8 NPTF | 20 | 66608K-1 | 1 | Cartridge Valve 3-Way w/Nut |
| 5 | 73897 | 1 | Magnet | 21 | 7637K-1 | 1 | Cartridge Valve 4-Way w/Nut |
| 6 | 66519 | 1 | O-Ring 2 – 250 | 22 | 64596 | 1 | Bearing, Sleeve |
| 7 | 90073 | 5 | 5/16-18 x 2-1/4 Hex Cap Screw G5 | 23 | 56416 | 1 | O-Ring – 014 |
| 8 | 48464 | 1 | Plate Baffle | 24 | 66515 | 1 | Pump Shaft Seal |
| 9 | 26781-3 | 1 | Suction Filter | 25 | 48517 | 1 | Quill |
| 10 | 66763-1 | 1 | Inlet Fitting/Filter Kit | 26 | 48518 | 1 | Check Valve Assembly |
| 11 | 27746 | 1 | Hydraulic Pump Kit – IA | 27 | 92960 | 2 | 3/8-24 O-Ring Boss Plug |
| 12 | 56274 | 1 | O-Ring – 013 | 28 | 56808 | 2 | Plug |
| 13 | 7630K | 1 | Poppet Check Valve Kit | 29 | 90650 | 2 | Cover Screw |
| 14 | 7629K-3 | 2 | Relief Valve Kit (2 Sets) | 30 | 21394 | 1 | Cover Assy |
| 15 | 27792-1 | 1 | Relief Valve Repair Kit | | | | |
| **O-Ring Service Kits** | | | | | | | |
| ns | 7632K-3 | – | O-Ring & Back-Up Ring Kit | ns | 49259-2 | – | Seal Kit Cartridge 3-Way and 4-Way Valve |
| ns | 49258-2 | – | Seal Kit 2-Way Valve | | | | |
| ns = not shown | | | | G = Grade | | | |

| 48597 Personal Plow Hydraulic Bolt Bag* | | | | | |
|---|---|---|---|---|---|
| **Part** | **Qty** | **Description** | **Part** | **Qty** | Description |
| 56725 | 7 | O-Ring (male) to MJIC 90° Elbow | 90010 | 2 | 1/4-20 x 2-3/4 Hex Cap Screw G5 |
| 44361 | 1 | Elbow, Long 90° –6 | 8329K | 1 | Dielectric Grease Tube |
| 27524 | 2 | 1/2-13 x 4 Hex Cap Screw G8 | 59223 | 4 | Cable Tie |
| 27525 | 3 | 1/2-13 x 3 Hex Cap Screw G8 | 61536 | 7 | Long Cable Tie |
| 27526 | 1 | 1/2-13 x 2-1/2 Hex Cap Screw G8 | 91331 | 2 | 1/4-20 Hex Locknut GB |
| 91335 | 6 | 1/2-13 Hex Locknut GB | | | |
| **8737 Small Bolt Bag*** | | | | | |
| 5048 | 1 | 1/4 Fully-Insulated Blade | 91055 | 1 | M6 x 1 x 25 Hex Cap Screw G8.8 |
| 21306 | 1 | .187 Insulated Receptacle | 91056 | 1 | M6 x 1 Hex Nut G10 |
| 21307 | 1 | .250 Insulated Receptacle | 91057 | 1 | M6 Flat Washer |
| 21308 | 1 | .250 Tab Fuse Tap | 90311 | 2 | 1/4 Flat Washer |
| 21309 | 1 | .187 Tab Fuse Tap | 91202 | 2 | 5/16 Spring Lock Washer |
| 66130 | 1 | Rubber Grommet | 91242 | 2 | 10 Spring Lock Washer |
| 91331 | 2 | 1/4-20 Hex Locknut GB | 91402 | 2 | 10-32 Hex Machine Screw Nut |
| 90461 | 2 | 1/4-20 x 3/4 Hex Cap Screw G5 | 92842 | 2 | 5/16-24 Hex Jam Nut G5 |
| G = Grade | | | M = Male or Metric | | |

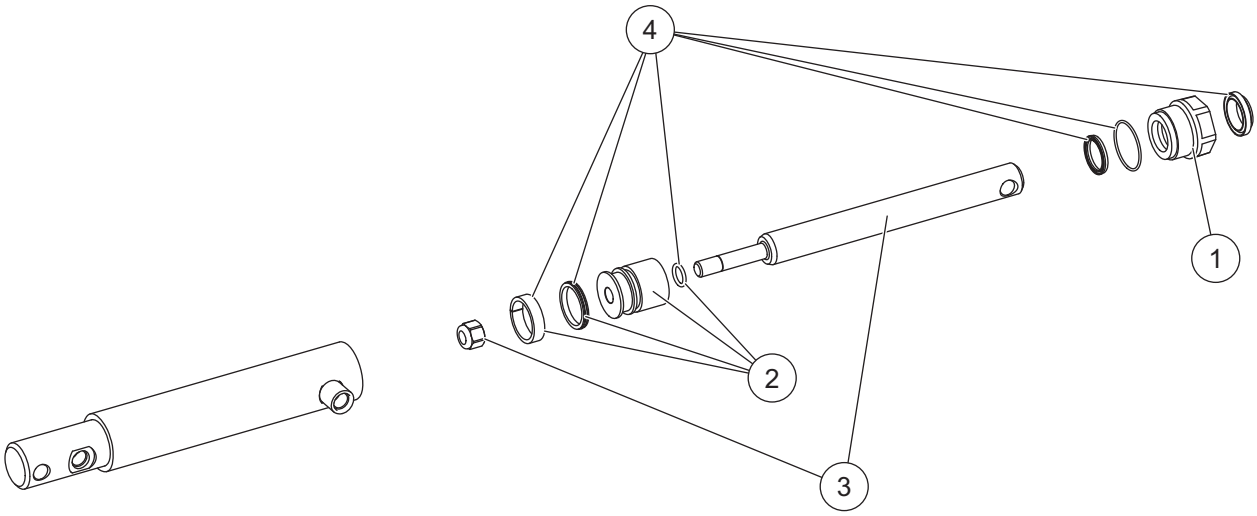
* found in 48596 Parts Box

## Angle Ram Components




| 56772K 1 x 7 Ram Assembly | | | | | | | |
|---|---|---|---|---|---|---|---|
| Item | Part | Qty | Description | Item | Part | Qty | Description |
| 1 | 56769 | 1 | 1 x 7 Cylinder | 4 | 27786 | 1 | 1 x 7 Ram Rod Kit |
| 2 | 66699K | 1 | Gland Nut | 5 | 27787 | 1 | 1 Bore Ram Seal Kit |
| 3 | 56771 | 1 | 1" Split Bearing Kit | 6 | 56803 | 1 | Spacer |

## Lift Ram Components

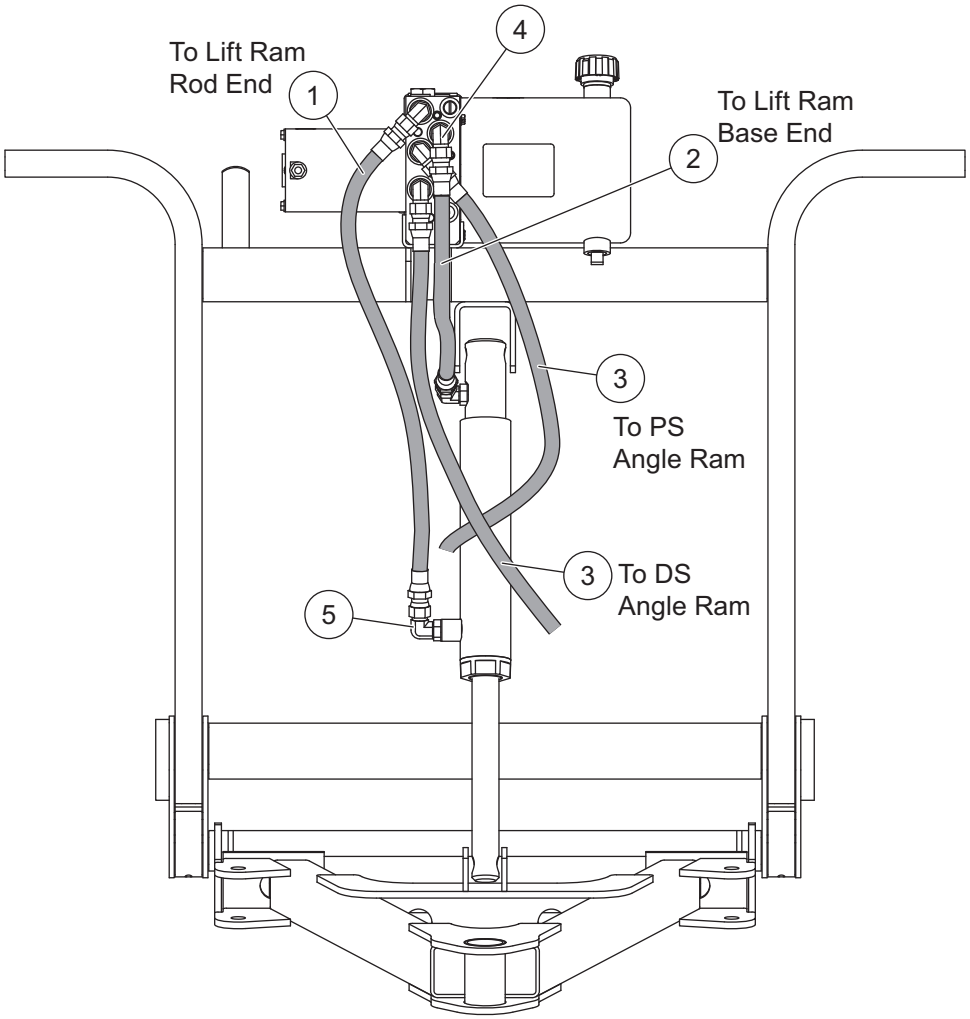



| 48600 1-1/2 x 6 Double-Acting Ram Assembly | | | |
|---|---|---|---|
| Item | Part | Qty | Description |
| 1 | 66699K | 1 | Gland Nut |
| 2 | 48606 | 1 | 1-1/2 Piston w/Seals |
| 3 | 27790 | 1 | 1-1/2 x 6 Double-Acting Rod Assy |
| 4 | 27788-1 | 1 | 1-1/2 Bore Double-Acting Ram Seal Kit |
| ns = not shown | | | |

## Parts Box Parts List

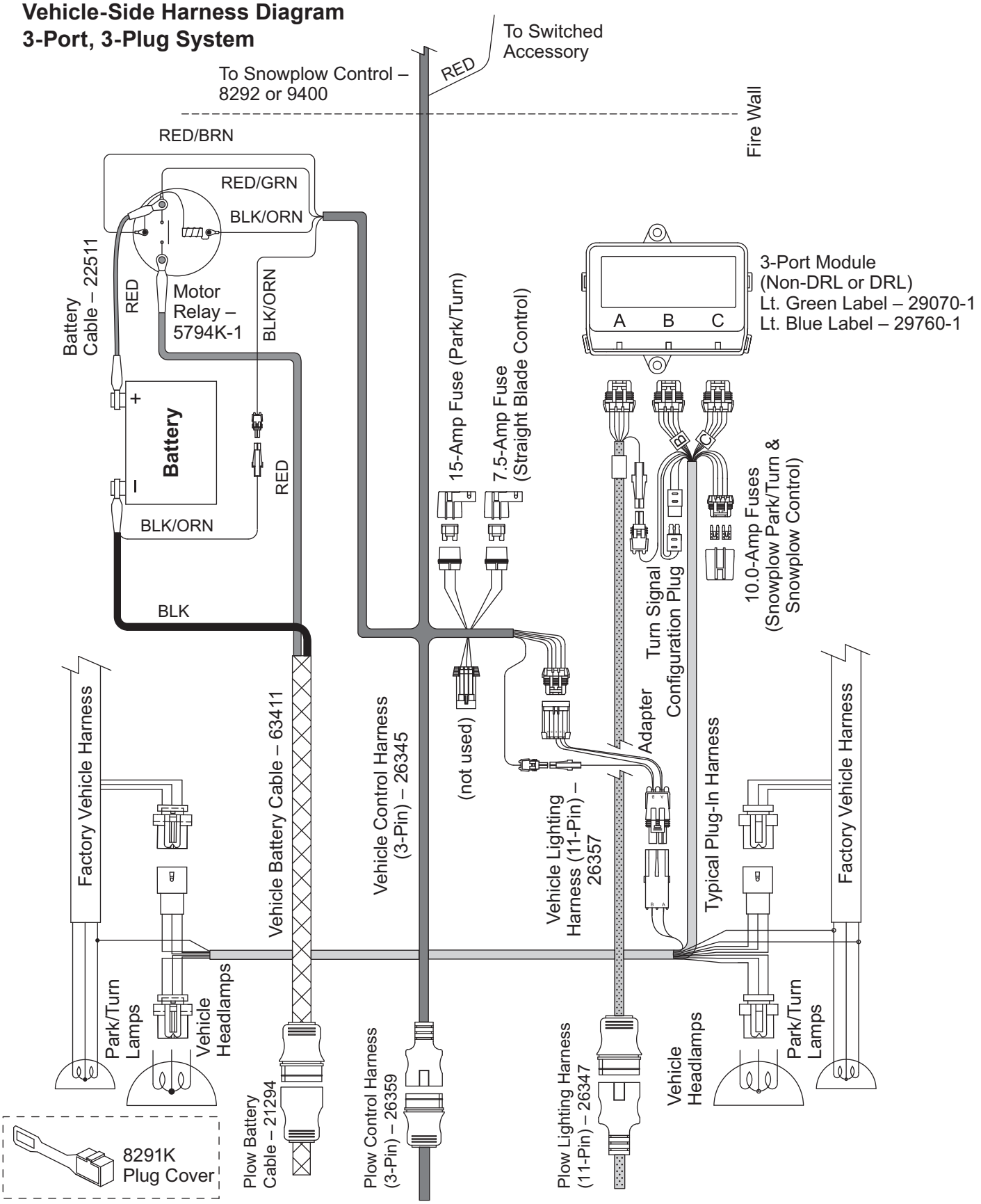
| 48596 Parts Box | | | | | |
|---|---|---|---|---|---|
| **Part** | **Qty** | **Description** | **Part** | **Qty** | **Description** |
| 56598 | 1 | 1/4 x 22 Hose (FJIC Ends) | 8284K | 1 | Cable Boot |
| 56599 | 2 | 1/4 x 36 Hose (FJIC Ends) | 8737 | 1 | Small Bolt Bag |
| 44311 | 1 | 1/4 x 12 Hose (FJIC Ends) | 48597 | 1 | Personal Plow Hydraulic Bolt Bag |
| 22511 | 1 | Battery Cable 22" Red | 21727-2 | 1 | Breather |
| 5794K-1 | 1 | Relay Switch | | | |

## Hoses and Fittings




| Hoses and Fittings | | | | | | | |
|---|---|---|---|---|---|---|---|
| **Item** | **Part** | **Qty** | **Description** | **Item** | **Part** | **Qty** | **Description** |
| 1 | 56598 | 1 | 1/4 x 22 Hose (FJIC Ends) | 4 | 44361 | 1 | Elbow, Long 90° –6 |
| 2 | 44311 | 1 | 1/4 x 12 Hose (FJIC Ends) | 5 | 56725 | 7 | Elbow 90° –6 |
| 3 | 56599 | 2 | 1/4 x 36 Hose (FJIC Ends) | | | | |
| F = Female | | | | | | | |

## Vehicle-Side Harness Diagram
## 3-Port, 3-Plug System



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