

# PART KIT INSTALL INSTRUCTIONS

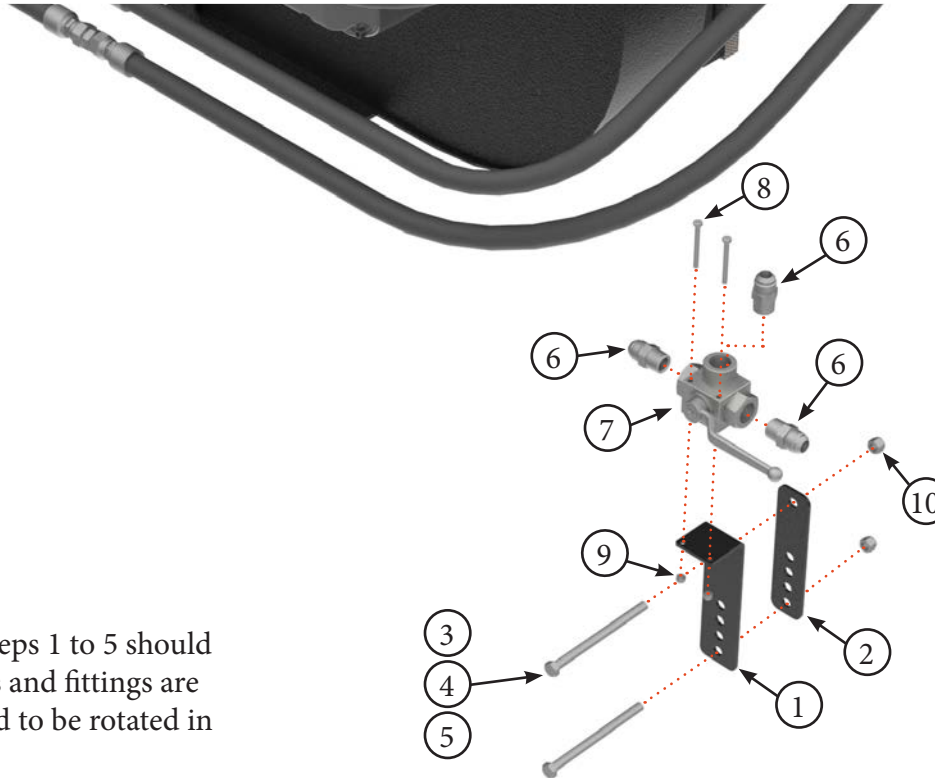
# Bypass Valve

Part Kit #VARIES - Rev 1.0 - AIRGUARD - Bypass Kit for Blockage Prevention System

Release Date: 2023-03-01



|              |                                                                                                                                                                                                                                                                                                                                                                    |                     |            |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| <b>Title</b> | Airguard Bypass Kit Instructions                                                                                                                                                                                                                                                                                                                                   | <b>RELEASE DATE</b> | 2023-03-01 |
| <b>STEP</b>  | 1. Mount valve on bracket, using 6mm x 60mm bolts (Item 8) and 6mm lock nuts (Item 9) for top connection. Attach mount bracket (Item 1 & 2) to aircart HSS frame. Use 12mm x 110mm-160mm bolts (Item 3, 4 or 5) and 12mm lock nuts (Item 10) for bottom connection. Bracket is designed to fit HSS Beams 3"-5" x 3"-10" in vertical or horizontal mount positions. | <b>REV #</b>        | 1.0        |
|              |                                                                                                                                                                                                                                                                                                                                                                    | <b>PART KIT #</b>   | Varies     |

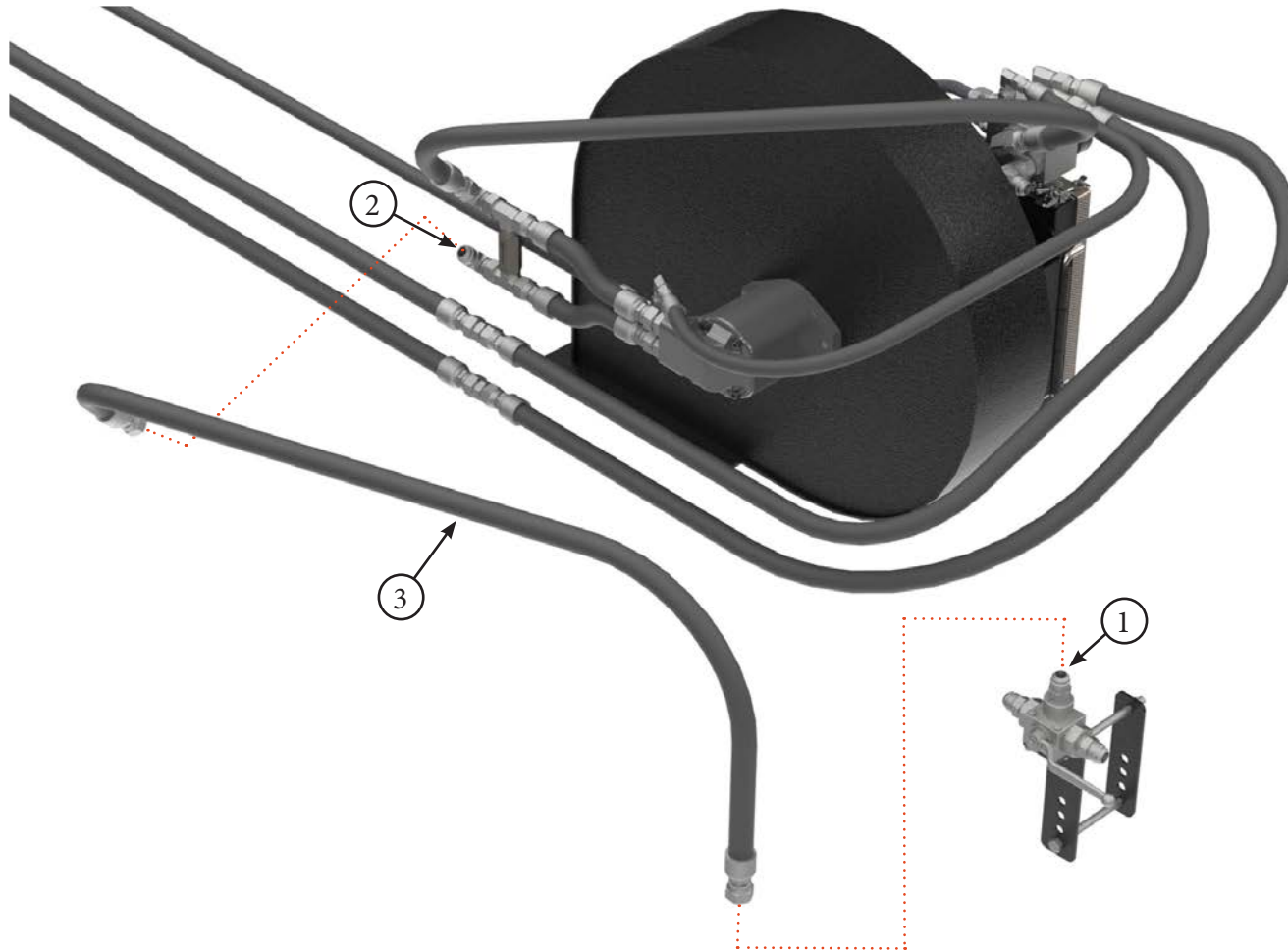


All of the hydraulic connections in Steps 1 to 5 should only be hand tightened until all hoses and fittings are installed. Some connections may need to be rotated in order to install other components.

| PARTS LIST |        |                                    |
|------------|--------|------------------------------------|
| Item       | Part # | Description                        |
| 1          | 7733   | Bypass Valve Mount Plate           |
| 2          | 7734   | Bypass Valve Mount Back Plate      |
| 3          | 7862   | HEX BOLT, 12 mm x 110mm, GRADE 8.8 |
| 4          | 7863   | HEX BOLT, 12 mm x 130mm, GRADE 8.8 |
| 5          | 7864   | HEX BOLT, 12 mm x 160mm, GRADE 8.8 |

| PARTS LIST |        |                                              |
|------------|--------|----------------------------------------------|
| Item       | Part # | Description                                  |
| 6          | 7254   | Fitting - Straight - 3/4" JIC M - 3/4" NPT M |
| 7          | 7274   | 3 Way Valve - 3/4"                           |
| 8          | 7735   | HEX BOLT, 6mm x 60mm GRADE 8.8               |
| 9          | 7736   | LOCK NUT, 6mm, GRADE 8.8                     |
| 10         | 7669   | LOCK NUT, 12mm, GRADE 8.8                    |

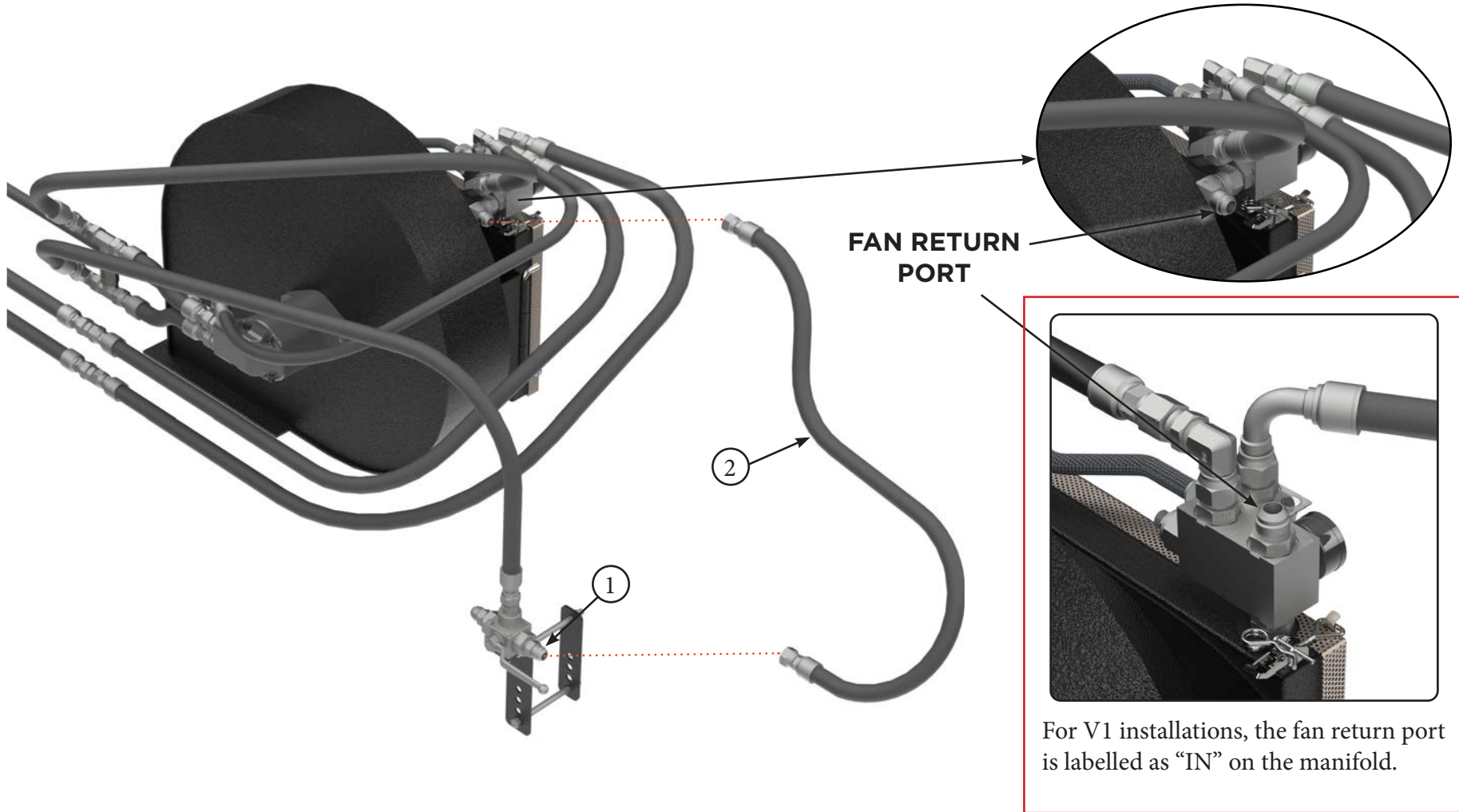
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|--------------|------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| <b>Title</b> | Airguard Bypass Kit Instructions                                                                                                               | <b>RELEASE DATE</b> | 2023-03-01 |
| <b>STEP</b>  | 2. Attach the fan return line (Item 2) to the common port on the valve (Item 1) using hydraulic hose from Blockage Prevention System (Item 3). | <b>REV #</b>        | 1.0        |
|              |                                                                                                                                                | <b>PART KIT #</b>   | Varies     |



| PARTS LIST |        |                                              |
|------------|--------|----------------------------------------------|
| Item       | Part # | Description                                  |
| 1          | 7254   | Fitting - Straight - 3/4" JIC M - 3/4" NPT M |
| 2          | ----   | Fan Return Line                              |
| 3          | 9016   | BPS Hydraulic Hose - 60"                     |

All of the hydraulic connections in Steps 1 to 5 should only be hand tightened until all hoses and fittings are installed. Some connections may need to be rotated in order to install other components.

|              |                                                                                                                            |                     |            |
|--------------|----------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| <b>Title</b> | Airguard Bypass Kit Instructions                                                                                           | <b>RELEASE DATE</b> | 2023-03-01 |
| <b>STEP</b>  | 3. Attach supplied hose (Item 2) from right valve port (Item 1) to fan return port on Blockage Prevention System manifold. | <b>REV #</b>        | 1.0        |
|              |                                                                                                                            | <b>PART KIT #</b>   | Varies     |

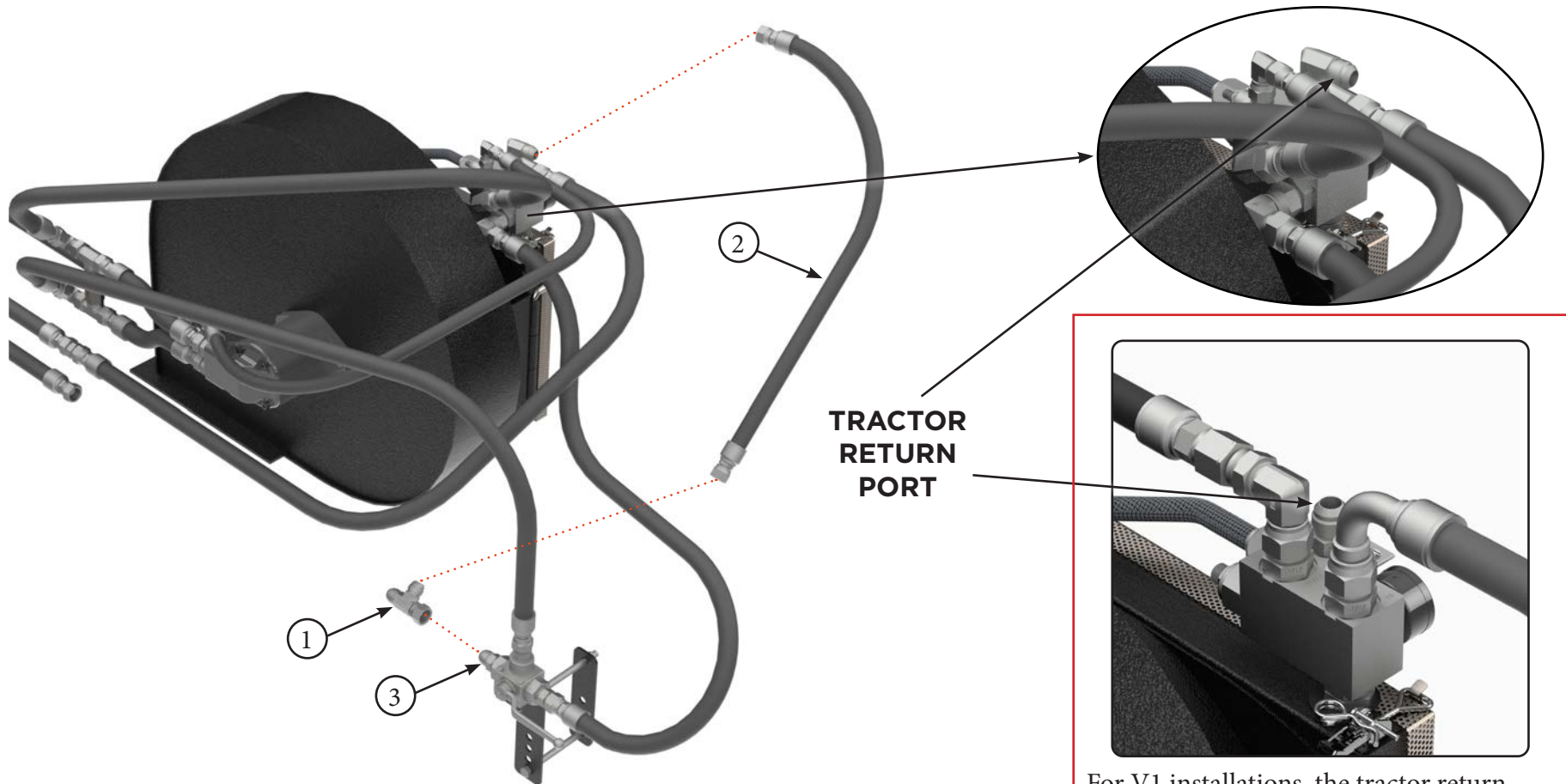


| PARTS LIST |        |                                              |
|------------|--------|----------------------------------------------|
| Item       | Part # | Description                                  |
| 1          | 7254   | Fitting - Straight - 3/4" JIC M - 3/4" NPT M |
| 2          | 9016   | BPS Hydraulic Hose - 60"                     |

All of the hydraulic connections in Steps 1 to 5 should only be hand tightened until all hoses and fittings are installed. Some connections may need to be rotated in order to install other components.



|              |                                                                                                                                    |                     |            |
|--------------|------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| <b>Title</b> | Airguard Bypass Kit Instructions                                                                                                   | <b>RELEASE DATE</b> | 2023-03-01 |
| <b>STEP</b>  | 4. Attach Tee-fitting (Item 1) to left port on bypass valve (Item 3). Attach tractor return line (Item 2) to Tee-fitting (Item 1). | <b>REV #</b>        | 1.0        |
|              |                                                                                                                                    | <b>PART KIT #</b>   | Varies     |



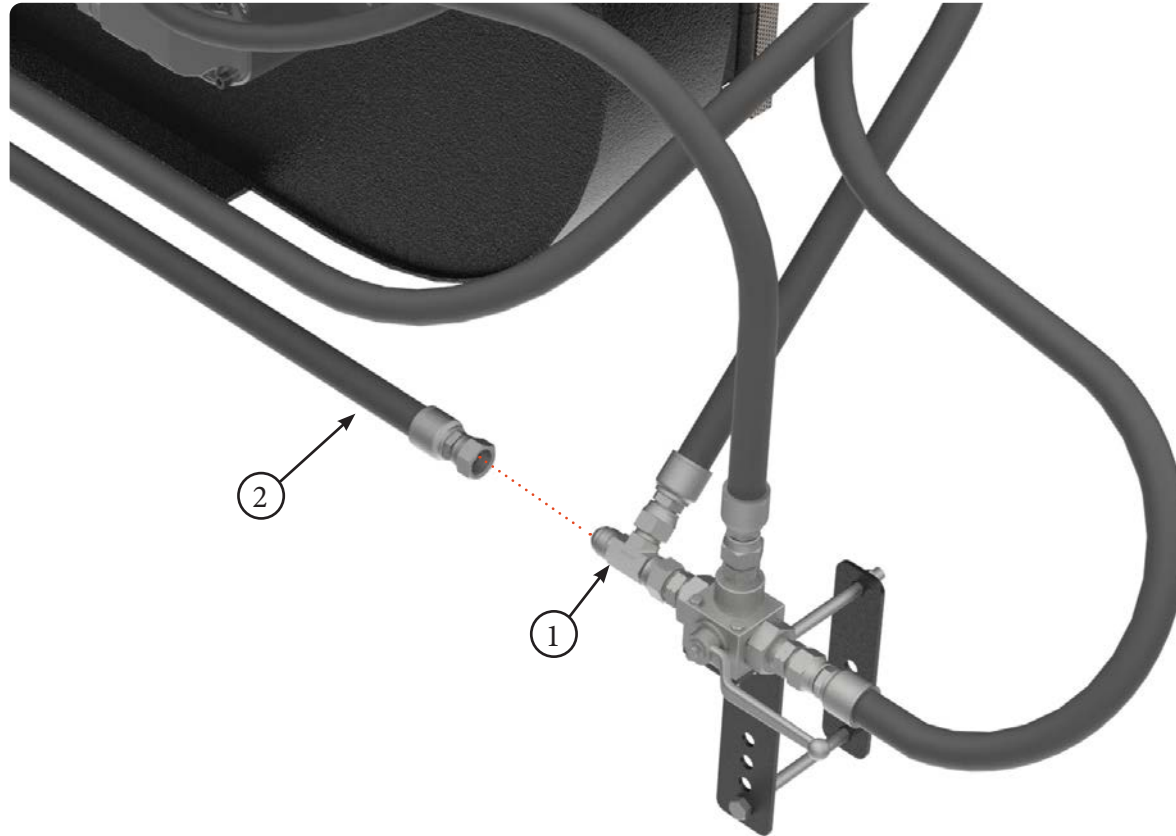
TRACTOR RETURN PORT

For V1 installations, the tractor return port is labelled as “OUT” on the manifold.

| PARTS LIST |        |                                                             |
|------------|--------|-------------------------------------------------------------|
| Item       | Part # | Description                                                 |
| 1          | 7551   | Fitting - Tee - 3/4" JIC M - 3/4" JIC M - 3/4" JIC F Swivel |
| 2          | ----   | Tractor Return Hydraulic Hose                               |
| 3          | 7254   | Fitting - Straight - 3/4" JIC M - 3/4" NPT M                |

All of the hydraulic connections in Steps 1 to 5 should only be hand tightened until all hoses and fittings are installed. Some connections may need to be rotated in order to install other components.

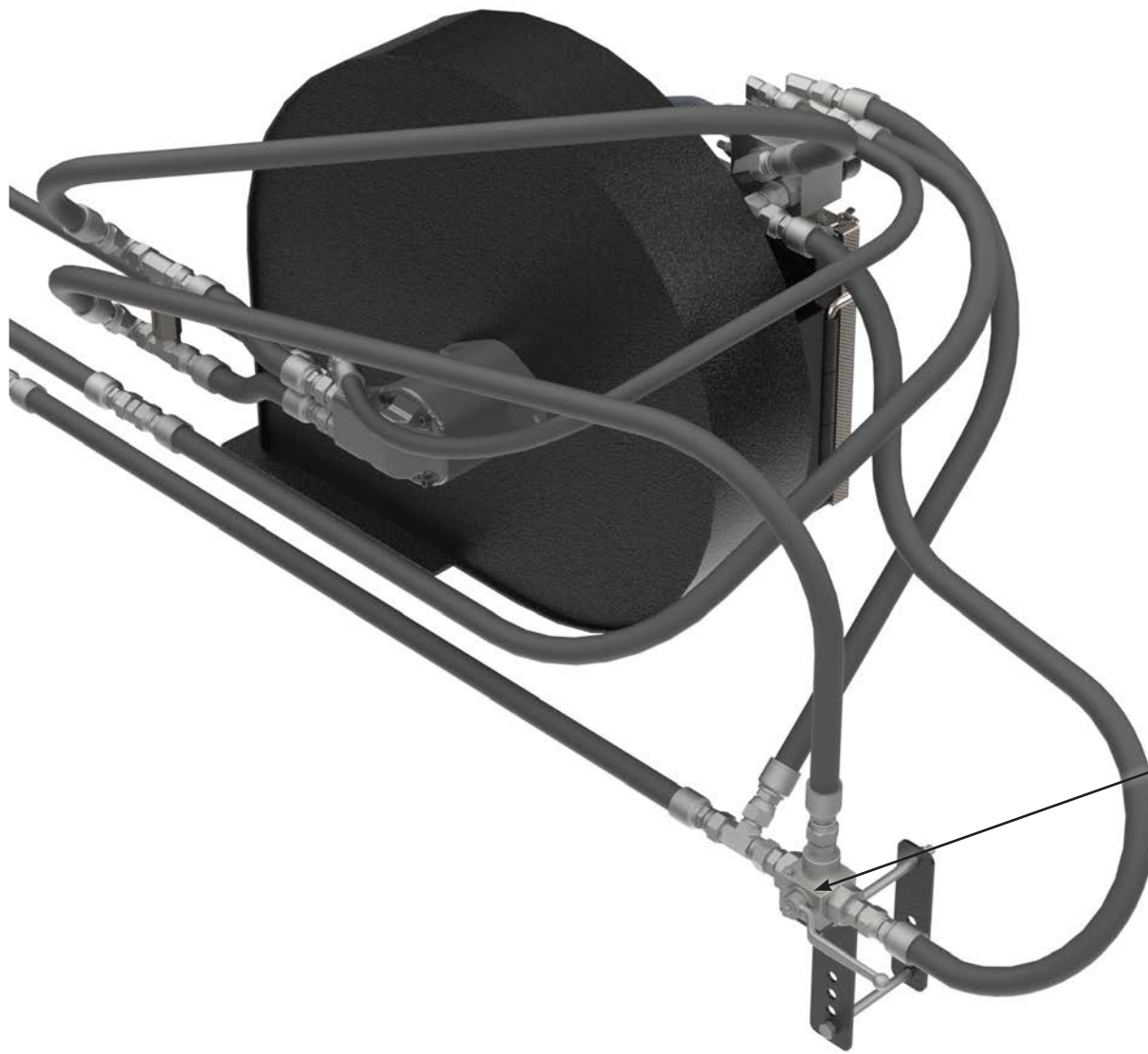
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|--------------|-----------------------------------------------------------------|---------------------|------------|
| <b>Title</b> | Airguard Bypass Kit Instructions                                | <b>RELEASE DATE</b> | 2023-03-01 |
| <b>STEP</b>  | 5. Attach tractor return line (Item 2) to Tee-fitting (Item 1). | <b>REV #</b>        | 1.0        |
|              |                                                                 | <b>PART KIT #</b>   | Varies     |



| PARTS LIST |        |                                                             |
|------------|--------|-------------------------------------------------------------|
| Item       | Part # | Description                                                 |
| 1          | 7551   | Fitting - Tee - 3/4" JIC M - 3/4" JIC M - 3/4" JIC F Swivel |
| 2          | ----   | Tractor Return Line                                         |

All of the hydraulic connections in Steps 1 to 5 should only be hand tightened until all hoses and fittings are installed. Some connections may need to be rotated in order to install other components.

|              |                                                                                                                                                                                                                                                                 |                     |            |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|
| <b>Title</b> | Airguard Bypass Kit Instructions                                                                                                                                                                                                                                | <b>RELEASE DATE</b> | 2023-03-01 |
| <b>STEP</b>  | 6. Complete the hydraulic installation by ensuring that all connections made in Steps 1 to 5 are tightened. Position/Routing of hydraulic hoses may vary to suit each specific machine installation. Zip tie hoses to reduce wear and ensure tidy installation. | <b>REV #</b>        | 1.0        |
|              |                                                                                                                                                                                                                                                                 | <b>PART KIT #</b>   | Varies     |



Valve can be moved to either position to allow flow through the oil cooler or to bypass oil flow straight to tractor. Valve position shown allows flow through oil cooler.