Drain all moisture, from air reservoir at regular intervals. Normal air system maintenance should be practiced.

1. Check linkage operation with suspension at full extension. The vehicle should be in an unloaded condition before starting installation procedure. Be certain all clutch switches are actuated. Park the vehicle so all wheel axles are on a hard, level surface. Raise and properly support all auxiliary axles. Do not set the parking brakes. Instead use safety wheel chocks to secure the vehicle.

WARNING: Failure to support auxiliary axles could allow axle to drop causing death or serious personal injury. Failure to use wheel chocks could allow vehicle to roll resulting in death or serious personal injury.

Check to make sure there is enough room to work around and under the axle where the HCV and linkage are attached.

2. Determine desired HCV control arm position and valve orientation on the vehicle. The Haldex Type PR HCV can be installed in a vertical or horizontal position with the control arm in either left hand or right hand position (Fig. 2). Fasten the control arm to the body making sure the alignment identification dimpling is on the black cap in the proper position for your valve orientation (Fig. 2). Use the providedipple nut and tight the nut to 20 in. lbs.

NOTE: Prior to installation, rotate control arm 3-5 times 30 degrees in both the intake and exhaust directions to remove any adverse effects of storage.

The following procedure is a recommended practice for the Haldex Type PR HCV.

1. CHECK LINKAGE OPERATION WITH SUSPENSION AT FULL EXTENSION.

2. CHECK LINKAGE(S) FOR CLEARANCE. Disconnect lower linkage connection(s) and two people working simultaneously when using a two HCV system.

NOTE: The following procedure requires the vehicle to be parked over an inspection pit or move the vehicle.

3. If the Type PR HCV properly inflates the air springs rotate the control arm down approximately 20\(^\circ\) below horizontal. Verify air is flowing through the exhaust port of the Type PR HCV and the air springs are deflated.

4. Attach PPV drain fitting to the reservoir and move the suspension system. For proper mounting bolt spacing integral mounting bolts can be used or removed from the valve and replaced with different fasteners without effecting valve performance. For proper mounting see Fig. 1. HCV(s) should be mounted as level as possible. A small torqued level or mouse's ear level can be used in this positioning.

5. Mount the Type PR HCV on the frame rail or a bracket, torque to 35-45 in. lbs. The vehicle should be in an unloaded condition before starting installation procedure. Be certain all air switches are actuated. Park the vehicle so all wheel axles are on a hard, level surface. Raise and properly support all auxiliary axles. Do not set the parking brakes. Instead use safety wheel chocks to secure the vehicle.

WARNING: Failure to support auxiliary axles could allow axle to drop causing death or serious personal injury. Failure to use wheel chocks could allow vehicle to roll resulting in death or serious personal injury.

Check to make sure there is enough room to work around and under the axle where the HCV and linkage are attached.

2. Determine desired HCV control arm position and valve orientation on the vehicle. The Haldex Type PR HCV can be installed in a vertical or horizontal position with the control arm in either left hand or right hand position (Fig. 2). Fasten the control arm to the body making sure the alignment identification dimpling is on the black cap in the proper position for your valve orientation (Fig. 2). Use the providedipple nut and tight the nut to 20 in. lbs.

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The following procedure is a recommended practice for the Haldex Type PR HCV.

1. CHECK LINKAGE OPERATION WITH SUSPENSION AT FULL EXTENSION.

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5. Mount the Type PR HCV on the frame rail or a bracket, torque to 35-45 in. lbs. The integral mounting bolts can be used or removed from the valve and replaced with different fasteners without effecting valve performance. For proper mounting see Fig. 1. HCV(s) should be mounted as level as possible. A small torqued level or mouse’s ear level can be used in this positioning.

6. a. Connect air line from air springs to “SUSP” ports on valve. (Fig. 5)

b. Connect supply air line from air tank to “SUPPLY” port on valve.

c. Charge air supply system.