

Hendrickson Aftermarket PR Valve Installation Instructions



L31246

6/09

These instructions are to replace a standard height control valve with the Precision Response Height Control Valve (PR HCV) on Hendrickson Suspensions. In addition the ride height and the linkage may also require adjustment after the PR HCV is installed. Please read and understand these instructions and the PR valve instructions, L31231.

Replacement Instructions

Verify the installation according to the figures below and use the appropriate plumbing shown in the figure for your application

- 1) Screw in air spring and air supply fittings to PR valve as shown in Figure 1 or Figure 2 (on reverse). Check for correct line sized fittings.
- 2) Position the valves alignment indicator as shown in Figure 3(on reverse). Refer to L31231 for more information.
- 3) Fasten Control arm to the PR valve with Nylock nut, using thread locker and tighten to 25-30 in-lb..
- 4) Ensure all pressure in system is depleted.
- 5) Disconnect air lines from the Valve being replaced. Mark the lines for air supply and air springs for the following steps.
- 6) Remove linkage from control arm of current valve.
- 7) Mount the PR HCV as shown in Figure 1. Torque the mounting nuts to 35-45 in-lb.. The optional bracket does not have to be used, it is an optional replacement part for ease of installing plumbing lines on the valve. (Note: alignment indicator will need to be clock for alternate position. Please see L31231 for clocking instructions). The PR valve can be mounted in any of the four positions with the bracket supplied.
- 8) Assemble linkage to axle and PR control arm.
- 9) Connect air lines to the PR HCV using the markings from step 5. The port locations are shown in Figure 2 (on reverse).
- 10) The final ride height can be set by rotating the bracket on the mounting studs. Refer to L31231 for ride height adjustment, maintenance and other detailed installation information.

WARNING: Linkage and ride height may need to be adjusted when changing height control valve suppliers. It is the responsibility of the installer to check for the recommend ride height and linkage after installing the Haldex PR HCV. Optional linkage for installation 48100375.

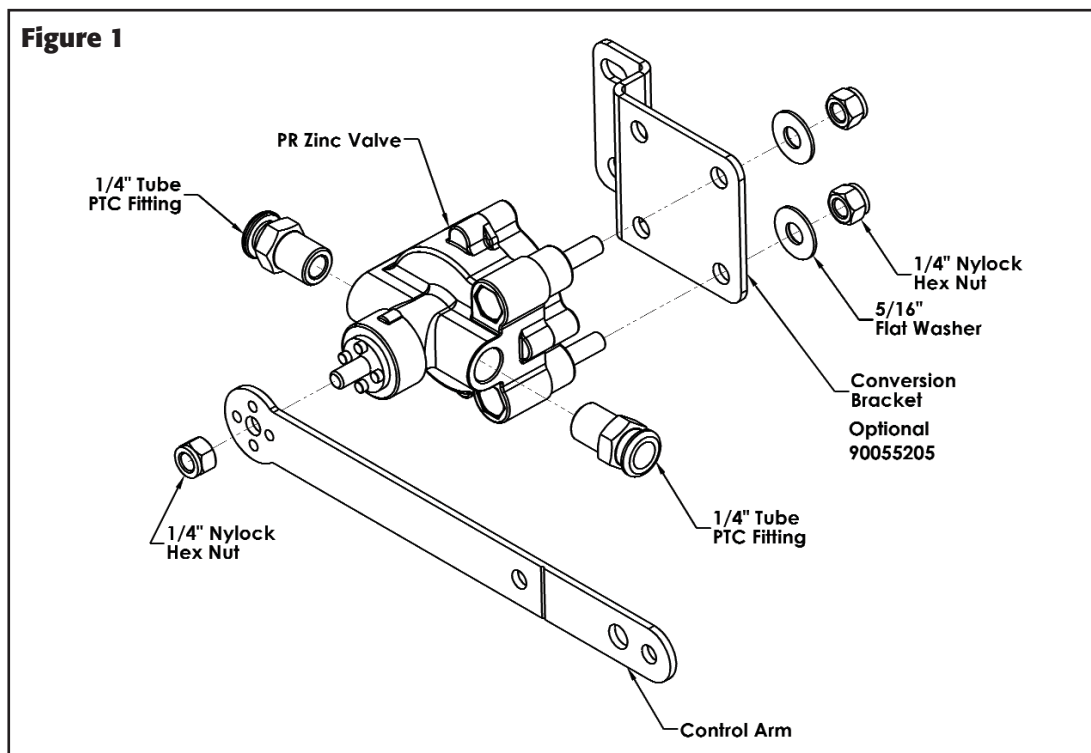


Figure 2

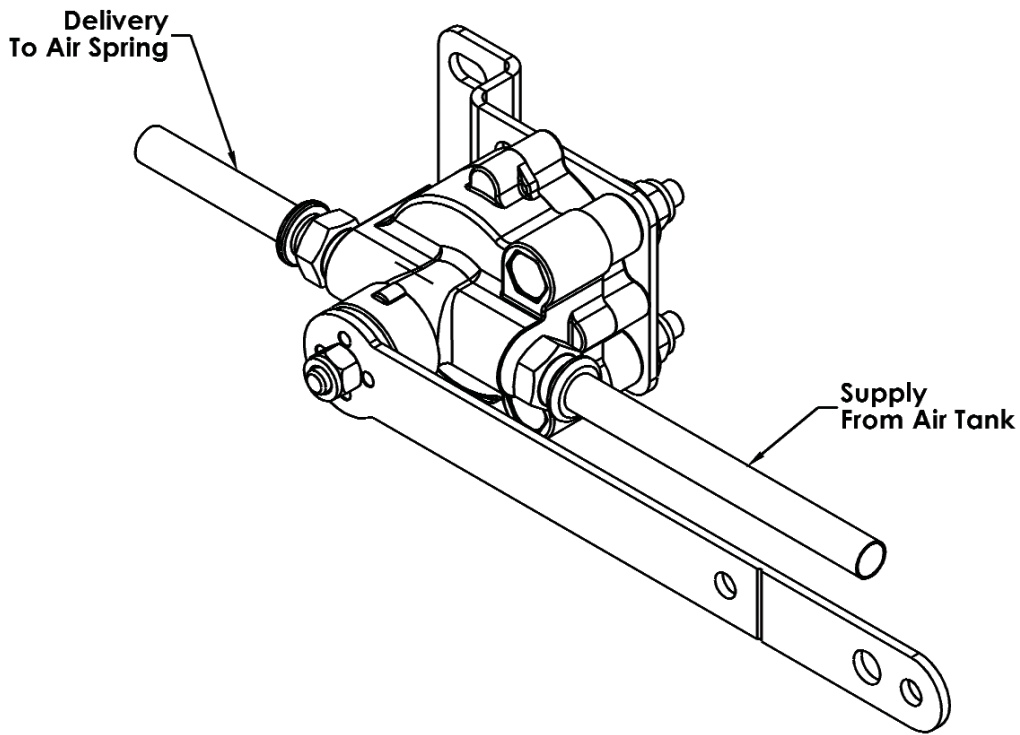
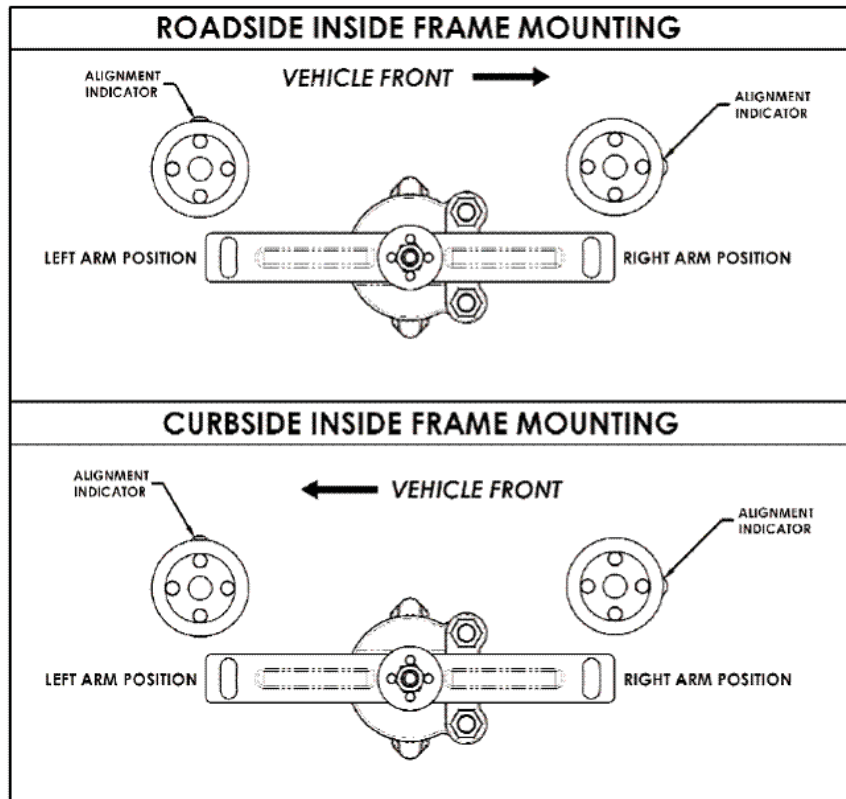


Figure 3



Haldex Commercial Vehicle Systems



L31246 US 6/09 ART ONLY

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