

INSTALLATION INSTRUCTIONS

- PREPARE THE VEHICLE FOR INSTALLATION.** The vehicle should be in an unloaded condition before starting installation procedures. **BE CERTAIN** all dump switches are off. Park the vehicle making sure all vehicle wheels are on a hard, level surface. Raise and properly support all auxiliary axles. **DO NOT** set the parking brakes; 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.

Support the vehicle frame with adequate jack stands (Fig. 1) or spacer block (Fig. 2). Check to make sure there is enough room to work around and under the axle where the Height Control Valve (HCV) linkage is attached.

- Locate and install Mounting Bracket (Fig. 3). Attach Height Control Valve to Mounting Bracket with 1/4" Lock Nuts and Bolts (Fig. 3). Allow for control arm clearance. (Refer to form 94100466/L31177 for installation instructions)
- Determine the location of the Linkage Bracket (Fig. 3) so that when the Linkage is connected to the control arm of HCV, proper ride height can be achieved. (Fig. 2). Then weld Linkage Bracket securely in position.
- Install Air Pressure Protection Valve on air reservoir. (Refer to form 95220005/L31180 for installation instructions)
- Install air lines as shown (Fig. 3). Where necessary use clip supports, grommets and bulk head fittings. **DO NOT** use Piping Compound or Teflon tape. Use a drop of oil on each brass sleeve.
- With vehicle at proper Ride Height and the HCV's control arm secured in center position with 1/4" Adjusting Lock Nut, install Wood Locating Pin (Fig. 4). Install Linkage to control arm and Linkage Bracket (Fig. 3) with 1/4" Lock Nut and Shoulder Bolt. Torque to 12-17 ft-lbs.
- Pressurize air system.

PERIODIC AIR SYSTEM MAINTENANCE

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

The air filter (Part No. 48100200) in the pressure protection valve is replaceable. Replace when necessary.

AIR CONTROL KIT PARTS LIST

QTY	Part Name
1	Height Control Valve
1	Linkage
1	Pressure Protection Valve
1	Parts Bag (Fittings)
1	Parts Bag (Fasteners)
1	Installation Instructions

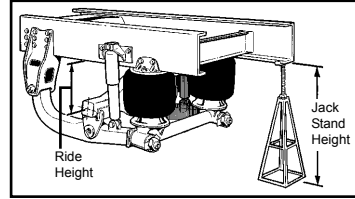


Figure 1. Jack Stand Height

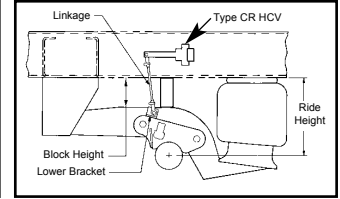


Figure 2. Block Height

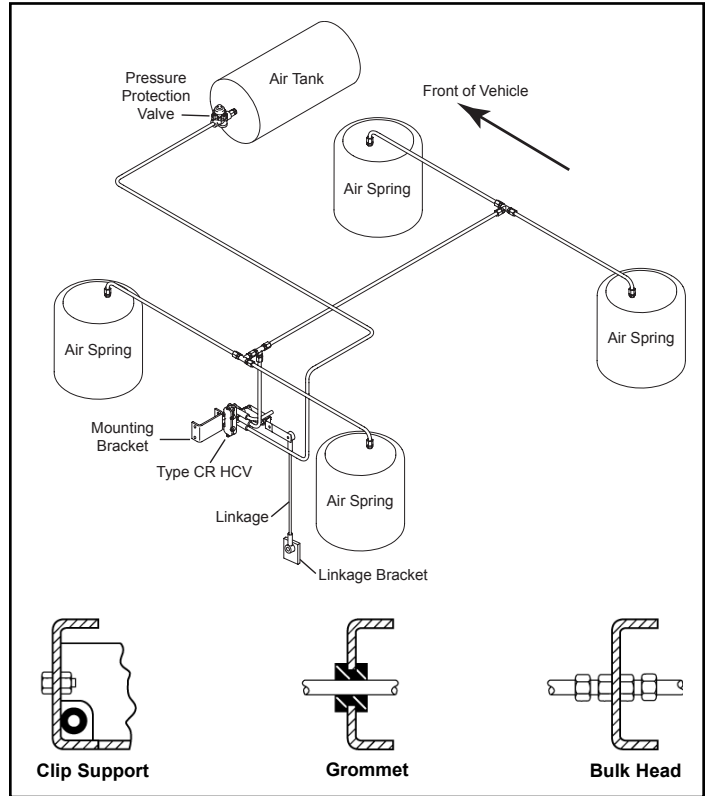


Figure 3. Single CR HCV Piping Diagram

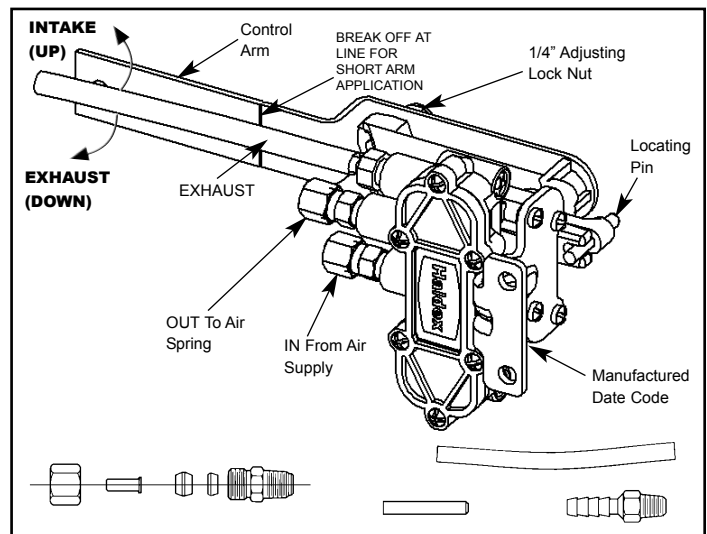


Figure 4. Features of Type CR HCV