This procedure applies to suspension systems equipped with Hendrickson’s AKAD0012 lift valve and related plumbing. Before performing these procedures or otherwise operation of the valve, refer to Hendrickson literature number T12007 Recommended Safety Precautions for Service and Repair Procedures available at www.Hendrickson-intl.com/TrailerLit and all applicable service, maintenance and safety instructions issued by the trailer manufacturer, ABS controller manufacturer and any other applicable equipment manufacturers.

⚠️ CAUTION: Movement of suspension parts may result in personal injury.

**NOTE:** Adhere to any federal, state, and/or local government and company safety practices.

To prevent the trailer from moving, chock the wheels of an axle not being raised.

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**Subject:** Test Procedure

**Lit No:** T52002

**Date:** November 2016

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AKAD0012 TEST PROCEDURE:

1. **Check** for general condition of system components for bent, damaged or broken parts.

2. **Ensure:**
   - **Adequate voltage** is applied to trailer.

3. **Disconnect** the AMP connector on the solenoid valve.

   ⚠️ **CAUTION:** Applying and removing voltage at the solenoid valve will cause the axle to raise and lower. Keep body parts and other personnel clear of the lifting axle.

4. Using wire leads with the mating AMP connector, **directly energize** the solenoid valve with an alternative 12 VDC source (use alligator clips if a mating AMP connector is not available).

   - **A**. If the axle does **not** lift, replace the valve assembly.
   - **B**. If the axle does lift, proceed to the next step.

5. **De-energize** the solenoid valve and restore to normal operation.

   - **If** the axle does **not** lower after it is de-energized, replace the valve assembly.

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**Darkened lines** indicate pressurized air lines when the axle is **raised**.

**Darkened lines** indicate pressurized air lines when the axle is **lowered**.

**NOTE:** Depending on the number of pneumatic options installed on the trailer, a second air tank or a 1-way check valve may be required.

For any questions, contact Hendrickson Trailer Technical Services, in the United States and Canada at 866-RIDEAIR (743-3247) or e-mail HTTS@Hendrickson-intl.com.