

ALL PARTS ARE TO BE INSTALLED BY A CERTIFIED ASE TECHNICIAN



**2004-2007 Buick Ranier**

**2002-2009 Chevrolet Trailblazer**

**2002-2009 GMC Envoy**

**2003-2008 Isuzu Ascender**

**2002-2004 Oldsmobile Bravada**

**2005-2009 Saab 9-7x**

Air Suspension Air to Coil Spring  
Conversion Kit with Gas Shocks  
Rear Pairs



**148G-30-R-KIT**

Before you begin the removal or installation, please read all or the instructions thoroughly!  
The warranty will be void if instructions are not followed exactly. Do not work under a vehicle supported by a jack.  
Always support the vehicle safety standards.





BEFORE YOU BEGIN THE REMOVAL OR INSTALLATION, PLEASE READ ALL OF THE INSTRUCTIONS THOROUGHLY!

THE WARRANTY WILL BE VOID IF INSTRUCTIONS ARE NOT FOLLOWED EXACTLY. DO NOT WORK UNDER A VEHICLE SUPPORTED BY A JACK.

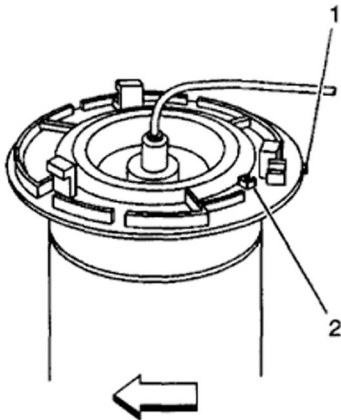
**ALWAYS SUPPORT THE VEHICLE ON SAFETY STANDS.**

## Air Bag Removal Procedure

**Caution:** A sudden release of pressure may cause personal injury or damage to the vehicle. The air suspension system is under pressure until the air supply lines are disconnected. Use the following precautions when servicing the air suspension system:

- Wear gloves, ear protection, and eye protection.
- Wrap a clean cloth around the air supply lines.

**Important:** Remove the air suspension system fuse before working on the rear suspension components or the rear axle. Failure to remove the air suspension system fuse could cause the calibration of the air suspension leveling sensor to change and the air suspension system not to function properly.



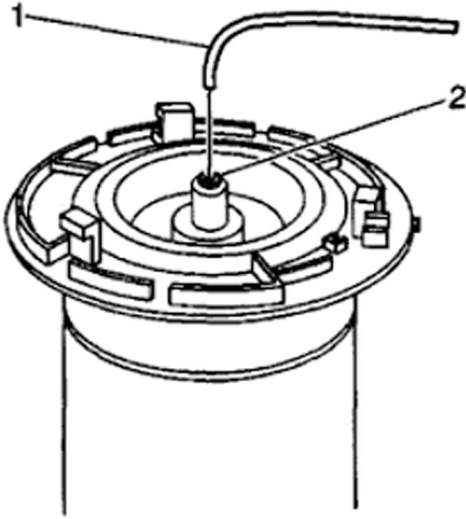
1. Remove the air suspension system fuse.
2. Raise and support the vehicle. Refer to Vehicle Lifting.
3. Raise and support the rear axle at the designed D-height.

**Notice:** Depressurize the air suspension system only after the rear axle is supported and is set between D- Height and Full Jounce

4. Depressurize the air suspension system.
5. Depress the antirotation peg (2) in the air spring top plate located in the upper spring seat.

**6. With the anti rotation peg (2) depressed, rotate the air spring counterclockwise and remove the air spring from the upper spring seat.**

**Important: There is a raised feature on the outer rim of the air spring top plate that denotes the anti rotation peg position.**



**7. Disconnect the air supply line from the air spring in the following way:**

- Push the air supply line into the air spring connection and hold in place.
- Depress and hold the air supply line collet (2) down.
- Remove the air supply line (1) from the air spring.

**8. Remove the air spring from the vehicle.**

### **Coil Spring Installation**

**1. Install the coil spring onto the rear axle (option: may need to remove lower shock absorber nuts and bolts to drop rear axle.**

**2. Using a floorjack, or underhoist lift, raise the rear axle**

**3. Install the lower shock absorber retaining nut and bolt to the rear axle. Tighten the lower shock absorber retaining nut and bolt to 95 N-m (70lb-ft).**

**4.) Remove the rear axle support.**



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**5. Replace tire and wheel assembly. Tighten wheel hub bolt nuts to 115-142 N-m (85-105lb-ft)**

**6. Remove all safety stands and lower vehicle. WARNING: Make sure to tighten all wheel hub bolt nuts to 115-142 Nm (85-105lb-ft). Failure to do this could result in serious bodily and vehicular damage.**

**TIGHTER END OF THE COILS MUST BE UP! If the vehicle is sitting lower, then coils were installed incorrectly.**

## **Disarming the Air Suspension System**

**Leave the air suspension compressor off the vehicle in order to immobilize the system.**