



## Installation Instructions

**Cadillac Escalade 2002-2012**

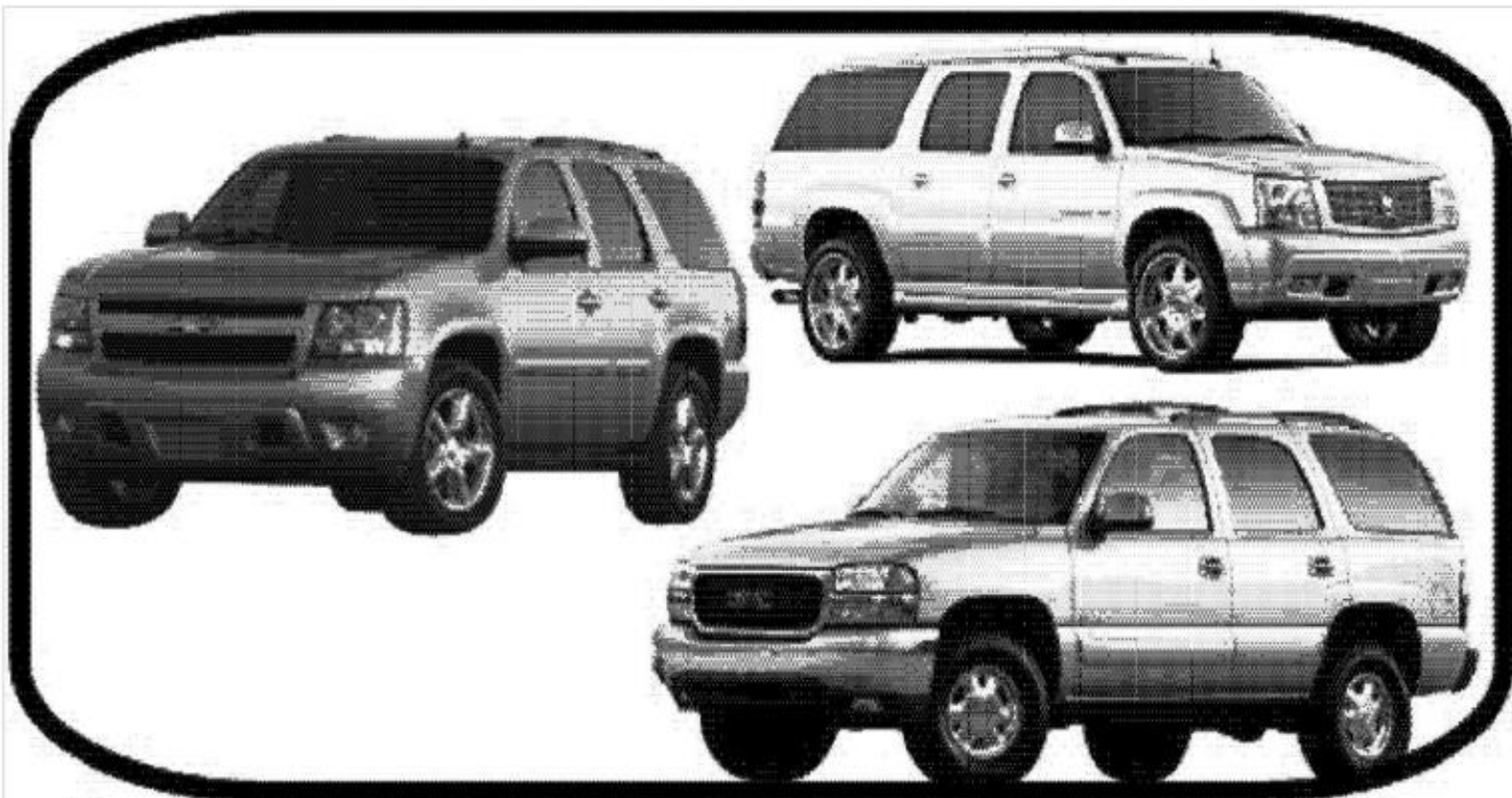
**Chevrolet Suburban 1500 2000-2013**

**Chevrolet Avalanche 1500 2002-2013**

**Chevrolet Tahoe 2000-2013**

**GMC Yukon 1500 2000-2013**

**Rear Conversion Kit**



# INSTALL/REMOVAL INSTRUCTIONS: AIR SUSPENSION CONVERSION KIT

**ATTENTION:** Refer to the appropriate shop manual for your vehicle to obtain specific service procedures for this part. If you do not have a service manual or lack the skill to install this part, it is recommended that you seek the services of a qualified technician. Pay special attention to all cautions and warnings included in the shop manual. Read and follow all instructions carefully.

## **Air Suspension Conversion Kit**

### **General Installation Instructions**

When servicing any vehicle be sure to follow all safety procedures. First, make sure that when lifting the vehicle that you use an appropriate jack with a proper weight rating. Before going underneath any vehicle, make sure that it is properly supported with sturdy jack stands and on level ground so that the vehicle doesn't fall or slide off of the jack and onto you. As with any automotive repair, make sure you have the appropriate tools to do the job so you don't damage any parts on the vehicle. Safety glasses and mechanic's gloves should also be worn for your protection.

Take care not to exceed the Gross Vehicle Weight Rating (GVWR), or the maximum load recommended by the manufacturer. It is important that all the vehicle owner manuals recommendations are followed for your own safety and to prevent damage to the vehicle.

Once you are ready to disable the ride light, you will need to disconnect the negative battery cable (-) to prevent electrical shock/malfunction.

#### Disclaimer:

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## Quick Start Guide

### Rear Kit

#### Parts included in this kit

- (2) Rear shocks with bushings
- (2) Rear coil springs
  
- (2) Bypass units for the shock electrical Connectors.
  
- (1) Bypass unit for the vent solenoid valve



#### Tools needed for installation

- Metric socket set
- Floor jack
- Jack stands
- Metric wrenches
- Screwdrivers (Phillips and flat head)
- Wire cutter/stripper/crimping tool
- Level work surface
- Spring compressor (if applicable)
- Allen wrenches

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Read the instructions sheet and any instructions printed on the parts package carefully prior to removing the strut from the vehicle.

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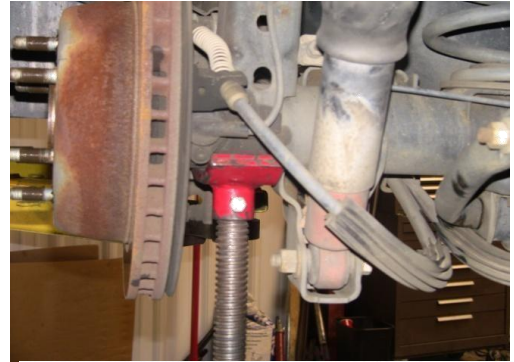
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## Rear Removal Instructions

- Raise and support the vehicle.

**Caution:** Make sure the vehicle is properly supported.

- Support the rear axle
- Remove the electrical connector
- Remove the air-line.



- Remove the upper shock bolt
- Remove the lower shock bolt
- Remove the shock.



- Install and tighten the upper shock mount only.

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## Rear Spring Removal

- Remove the brake line bracket from the rear differential to prevent stretching the brake line.



- Remove the ABS wire from the frame clip to prevent stretching the wire.



- Remove the ride height sensor bracket.



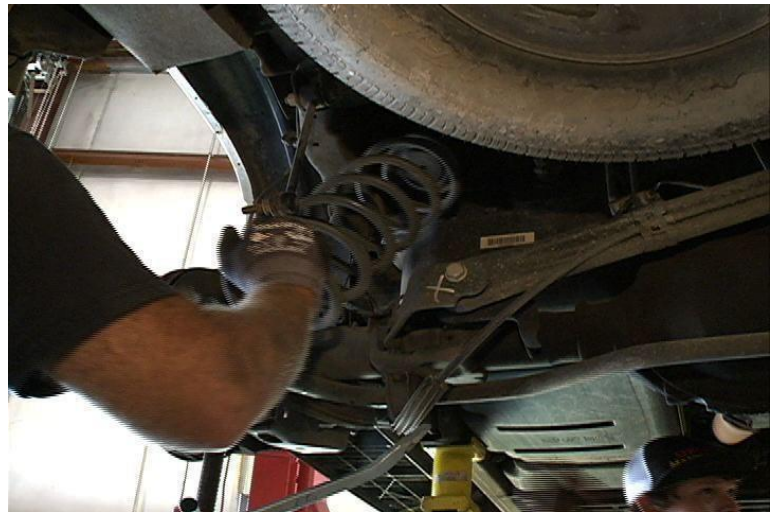
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# Rear Spring Removal

- Work on one side at a time
- Remove the stabilizer shaft link retaining nut from the frame.
- Remove the stabilizer link.



- Lower the axle until the coil spring is fully unloaded.
- Remove the coil spring.
- Keep both rubber isolators. They will be reused in the installation of the new spring.



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## Rear Spring Installation

- Install the new coil spring
- Reinstall the factory isolators reserved above
- Raise the axle and install the lower shock bolt.
- Install the stabilizer link.
- Install the ride height sensor bracket.
- Attach the ABS line.
- Attach brake line to differential.
- Tighten all fasteners completely.



## Air Suspension Light Disarm Instructions

- Install the supplied resistors to the shock's electrical connector.
- The factory connector will need to be removed and the wires butt connected. **Note:** There is no polarity with this connection. Either wire from the bypass resistor can be connected to either wire from the vehicle's harness.



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- Should your vehicle have issues with the vent solenoid valve then proceed to the next procedure. Make sure to disconnect the negative battery cable, or remove the RTD 30 amp fuse. Replace fuse after repair.

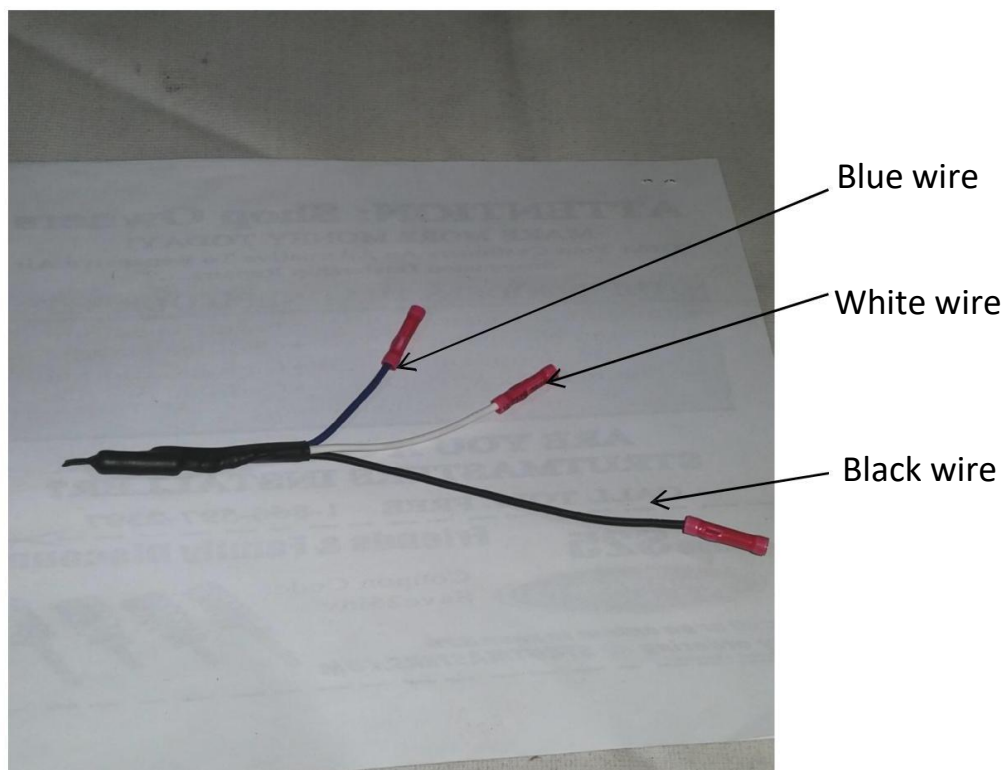


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## Air Suspension Light Disarm Instructions



- Splice the resistors blue wire into the dark blue wire at the vehicle harness.
- Splice the resistor white wire into the tan wire in the vehicle harness.
- Splice the resistor black wire into the grey wire of the vehicle harness.
- Wire the resistor to the vehicle harness at the compressor. This will eliminate the “Check Suspension” message displayed on the instrument panel.
- Leave the compressor unplugged.

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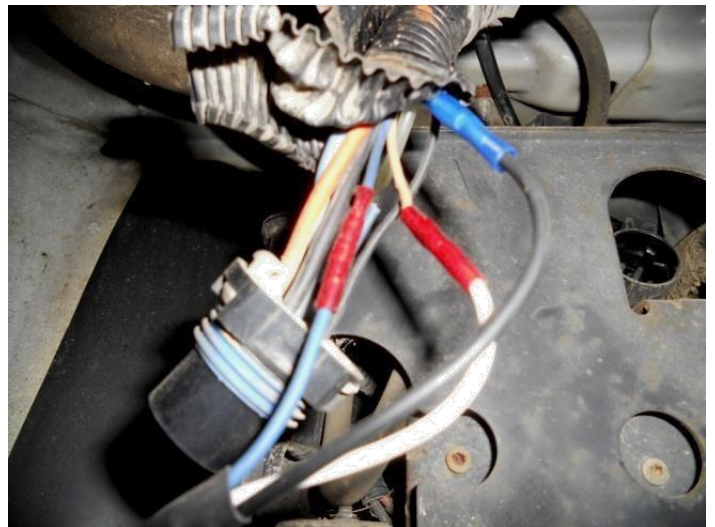
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- Locate the compressor and unplug the electrical connector.



- Remove the wire insulation

- Locate and cut the dark blue wire, the tan wire, and the grey wire.
- Splice the blue wire from the supplier's resistor to the dark blue wire in the vehicles' harness.
- Splice the white wire to the tan wire.
- Splice the black wire to the grey wire.



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- Leave the compressor unplugged.

Installation is now complete



- Reinstall the 30 amp fuse.
- Fuse designation is RTD fuse.

