

# Installation Instructions

## Audi Allroad Quattro 2000 -2005



# 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.

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# **Audi Allroad Quattro 2000 – 2005 Front Kit Installation Instructions**

## **Parts included in this kit**

- (2) Fully assembled coil over struts



## **Tools needed for installation**

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

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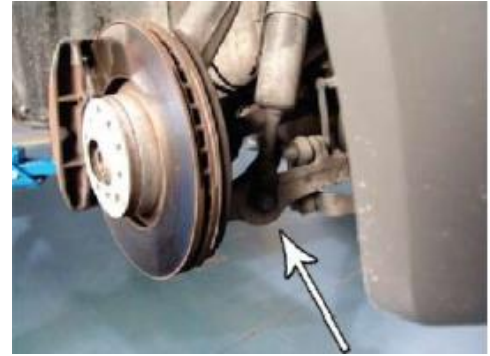
## Audi Allroad Quattro 2000 – 2005 Front Kit

### Removal Instructions

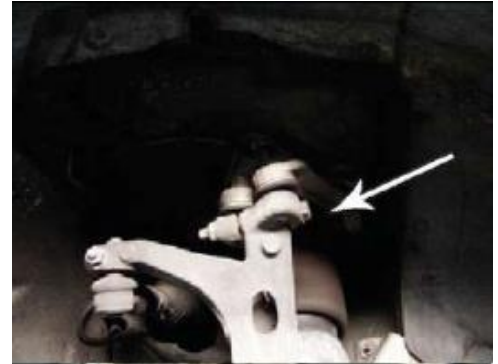
**1. Lift vehicle and remove wheels.**

**2. Remove the remaining air pressure from the front air spring. To deflate the air spring, carefully remove the air fitting from the top of the air spring.**

**3. Loosen and remove the lower shock bolt.**



**4. Remove the pinch bolt from the front of the control arms.**



**5. Loosen the 3 top bolts under the hood. Leave one bolt finger tight to prevent the assembly from falling out.**



**6. Remove both ball joints from the front suspension link. Make sure to secure the front hub assembly to eliminate any stress on the brake lines and front drive shafts.**

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## Audi Allroad Quattro 2000 – 2005 Front Kit

- 7. Have another person hold the strut assembly while you remove the last remaining bolt. Carefully remove the strut assembly from the vehicle.**



- 8. Using a 12 point torque bit, remove the 6 upper shock mounting bolts. Remove the top cast aluminum shock cap.**



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## Audi Allroad Quattro 2000 – 2005 Front Kit

### Installation Instructions

1. With the upper cast piece and the new coil strut, align the forked bottom of the shock centered on the center mounting point of the upper mount.

**Note:** If the assembly is slightly misaligned, this can be adjusted later during installation.



2. Lift the strut back into position and aligning the pin at the front right of the center mounting hole. Install upper 3 bolts to hold the strut then tighten.



3. Center the fork onto the lower control arm bushing. Install the factory mounting bolt then tighten.



4. Reinstall the ball joints back into the knuckle assembly and affix with the factory hardware previously removed. A pair of pliers can help in seating the ball joints.

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# **Audi Allroad Quattro 2000 – 2005 Rear Kit Installation Guide**

## **Parts included in this kit**

- (2) Fully assembled coil over struts



## **Tools needed for installation**

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

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## Audi Allroad Quattro 2000 – 2005 Rear Kit

### Removal Instructions

**1. Start by removing the remaining air pressure from the rear air spring. To deflate the air spring, carefully remove the air fitting from the bottom.**

**2. Loosen and remove the upper mounting plate's bolts.**



**3. Remove the lower shock bolt connecting the shock to the lower control arm.**



**4. With the shock loose, collapse the shock absorber by pushing downward on the upper plate. This will the upper mount to be dislocated from its mounting perch.**

**5. With the upper mount dislodged, pull the air shock assembly up and out of the lower control arm.**



**6. With the aid of a large pair of pliers, compress the parking brake lever and remove the cable.**



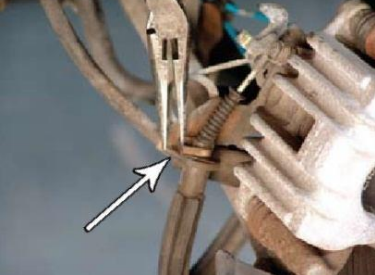




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## Audi Allroad Quattro 2000 – 2005 Rear Kit

<p><b>7. Remove the parking brake cable retaining clip, and slide the cable out of its mount. Set aside. This is reused later.</b></p>	
<p><b>8. Remove the bolt securing the wheel speed sensor on the front side of the wheel hub. Let the sensor hang.</b></p>	
<p><b>9. Locate the height sensor bracket on the back left of the lower control arm. Remove its mounting nut from the inside of the control arm to free the height sensor.</b></p>	
<p><b>10. Next loosen, but DO NOT REMOVE, the lower control arm's rearmost bolts. This will eliminate binding during installation.</b></p>	
<p><b>11. Using a paint pen or permanent marker, mark the eccentric bolt alignment at the knuckle and remove it, being sure to turn the nut on the backside. The control arm will now hang free.</b></p>	

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## Audi Allroad Quattro 2000 – 2005 Rear Kit

### Installation Instructions

1. Install the rear shock up from the bottom, making sure the locating pins are facing outward. Install the two factory upper mounting bolts and tighten.



2. Swing the control arm up to align the shock bushing to its mounting hole. Spacers are provided for the shock bushing. One is used per side. Secure with the factory hardware.
3. Using a floor jack, lift directly under the shock mount until the knuckle bolt is aligned.  
**CAUTION! Do not to lift the car off the jack stands!**
4. Align the marks previously made on the eccentric bolt and tighten. Go back and tighten the rearmost bolts of the lower control arm.
5. Finish by re-installing the wheel speed sensor, parking brake cable, and height sensor.

**Note:** The air hose can be tied off or doubled back into the open clips already installed.

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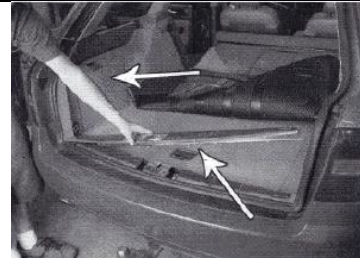
### Electronic Air Suspension Disarming

2003-2005 Model years may experience a 'Check Engine' light due to the integration of the air suspension system into the "Data-Bus" system. If preferred, the computer can be left active for emission purposes but the compressor should still be unplugged.

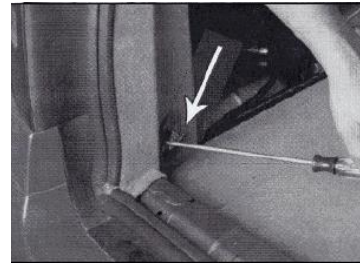
To deactivate the air suspension system, unplug the air suspension computer module located on the left side of the cargo area. After the computer is unplugged, there will be no functioning part of the air suspension system, including the dash-mounted control panel or warning lights. Please read instruction completely before beginning.

#### Electronic Air Suspension Disarming

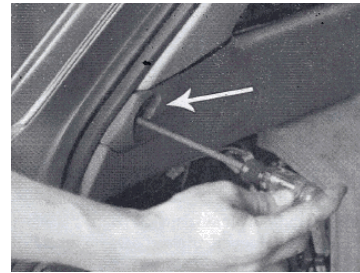
1. Remove the trim piece that houses the lift gate latch as well as the access cover.



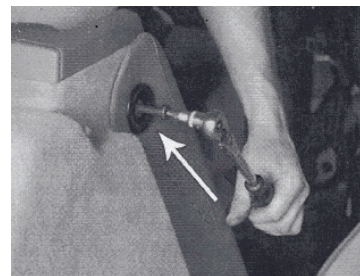
2. Remove the screw holding on the cargo hook on the lower left of the side panel.



3. Remove the screw located near the pillar in the back on the cargo cover's anchor point.



4. Fold the rear driver side seat forward and remove latch post.



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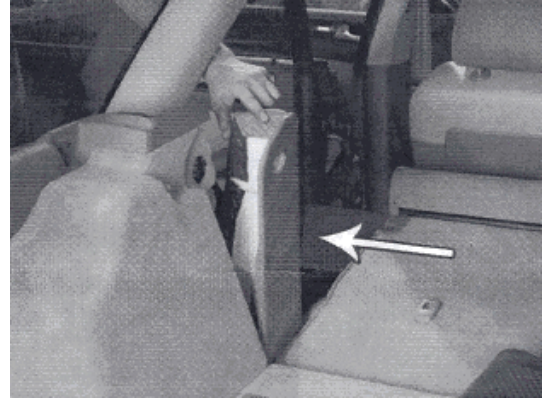
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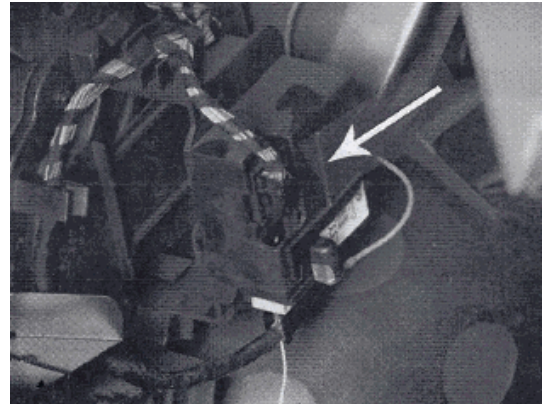
5. With the latch post removed, pull the side cushion forward to allow access to adjoining panel.

6. Carefully move the panel outward to allow access to the components behind.

**Note:** The trim by the window is fragile and easily broken. Take extreme care.



7. Locate the small box with the "Continental" brand label on it. The computer has two (2) plugs attached to it as well as a single brown ground wire which may remain attached.



8. Disconnect both electrical plugs and place the computer back in place, leaving the plugs hanging.

