



INSTALLATION MANUAL

A-2133 Arnott Rear Air Spring Audi A6 Allroad Quattro (C5)



Engineered to Ride, Built to Last[®]

CONGRATULATIONS ON YOUR PURCHASE OF AN ARNOTT® SUSPENSION PRODUCT

WE AT ARNOTT LLC ARE PROUD TO OFFER A HIGH QUALITY PRODUCT WITH ALL THE TECHNICAL SUPPORT YOU NEED. THANK YOU FOR YOUR CONFIDENCE IN US AND OUR PRODUCT.

Proper installation is essential to experience and appreciate the benefits of this system. Please take a moment to review these installation instructions before you begin to install these components on your vehicle. The removal and installation of air suspension products should only be performed by a fully qualified and certified automotive professional.

It is equally important to be aware of all necessary safety measures while installing your new Air Suspension System. This includes proper lifting and immobilizing of the vehicle and isolation of any stored energy to prevent personal injury or property damage.

GENERAL INFORMATION

Reading this manual signifies your agreement to the terms of the general release, waiver of liability, and hold harmless agreement, the full text of which is available at www.arnottinc.com and www.arnotteurope.com.



WARNING:

The air suspension system is under pressure (up to 10 bar, or 150 lbf/in). Verify pressure has been relieved and disconnect power to the air suspension system prior to disassembly. Do not allow dirt or grease to enter the system. Always wear standard hand, ear, and eye protection when servicing the air suspension system.

- Not to be stored below 5°F (-15°C) and above 122°F (50°C).
- Avoid damage to air lines and cables.
- Removal and installation is only to be performed by fully qualified personnel.
- Use car manufacturer's diagnostic software.

CAUTION:

Damage to the vehicle and air suspension system can be incurred if work is carried out in a manner other than specified in the instructions or in a different sequence.

To avoid the possibility of short circuits while working with electric components consult your owner's manual on how to disconnect your battery.

Consult your vehicle owner's manual, service manual, or car dealer for the correct jacking points on your vehicle and for additional care, safety and maintenance instructions. Under no circumstances should any work be completed underneath the vehicle if it is not adequately supported, as serious injuries and death can occur.

For vehicles with a "Closed Air Supply System," replacement of components requires proper adherence to procedures set forth within OE servicing literature. Failure to comply with the OE prescribed procedures can result in component damage and/or failure.

AIR STRUT REMOVAL

1. Set the steering to straight ahead.
2. Raise the vehicle.
3. Remove the rear wheel.
4. Exhaust the air pressure from the rear air spring by loosening and slowly removing the air fitting from the bottom. (Figure 1)

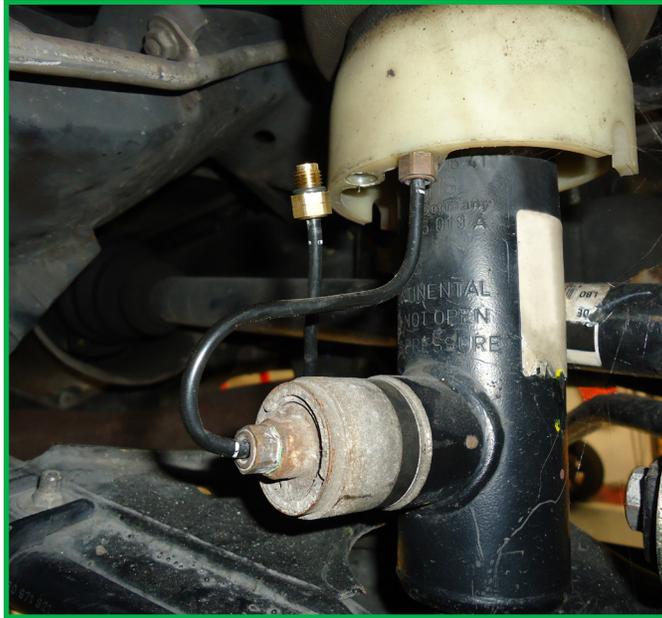


FIGURE 1

5. Loosen and remove the two (2) upper mounting bolts. (Figure 2)



FIGURE 2

6. Loosen and remove the bolt connecting the shock to the lower control arm. (Figure 3)

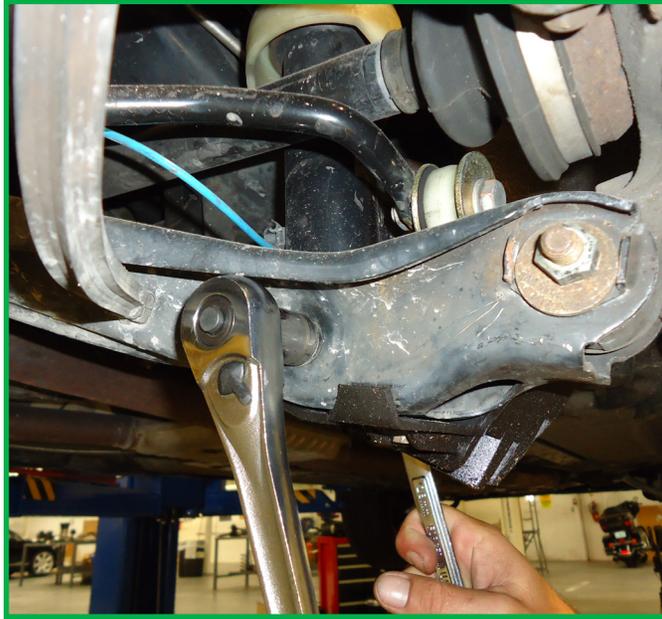


FIGURE 3

7. Loosen and remove the fastener retaining the wheel speed sensor. Remove the sensor from its mounting position. (Figure 4)

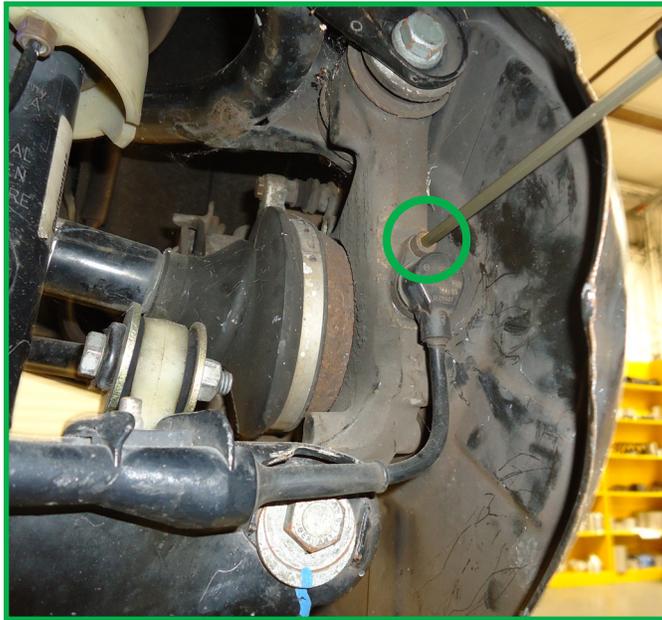


FIGURE 4

8. Use a paint marker to mark the lower control arm washer (important for your alignment). (Figure 5)



FIGURE 5

9. Remove the bolt from the lower control arm. (Figure 6)

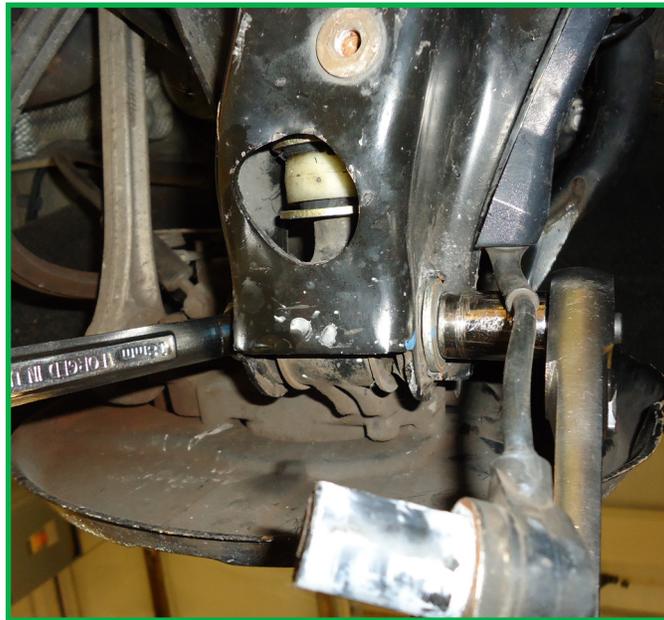


FIGURE 6

10. Pull down on the top mount to remove it from its mounting location. (Figure 7)



FIGURE 7

11. Pull the shock up and out to remove it. (Figure 8)

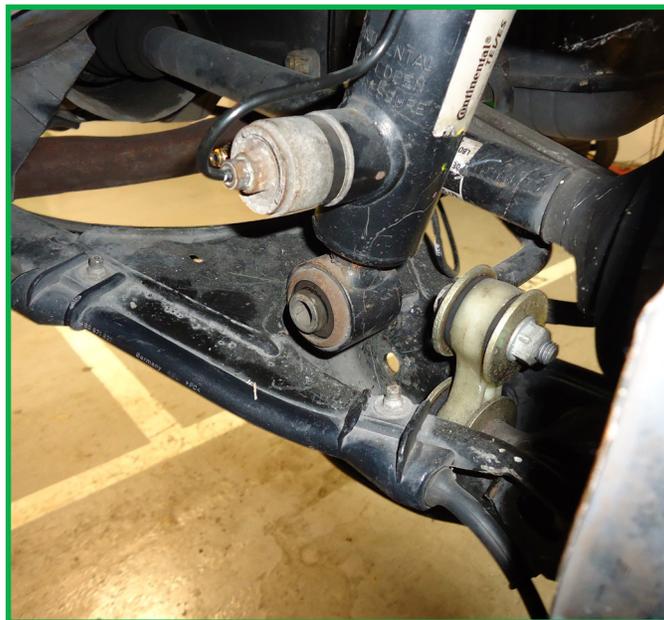


FIGURE 8

12. Air strut removal complete.

AIR SPRING REMOVAL

1. Remove the air line from the bottom of the air spring. (Figure 9)



FIGURE 9

2. With an allen wrench, remove the top plastic cap. (Figure 10)



FIGURE 10

3. Remove the top shock nut. (Figure 11)

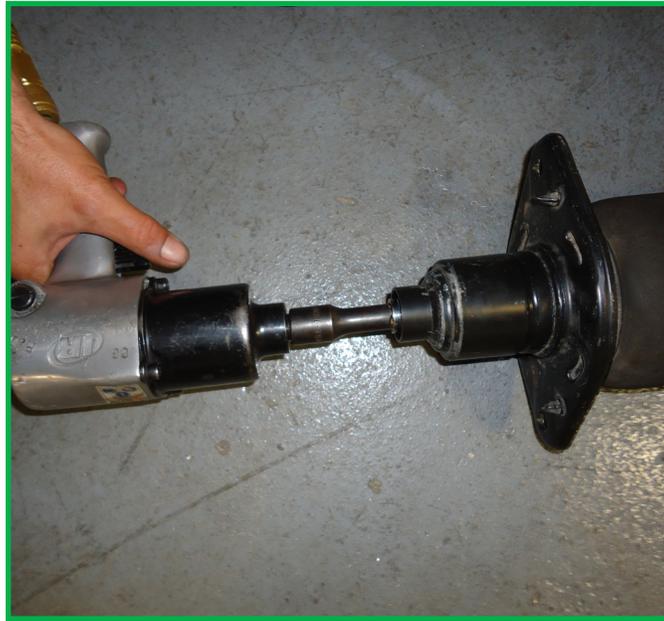


FIGURE 11

4. Turn the shock upside down. Twist the bottom 1/4 turn and push down (Figure 12). You may need to tap the lower piston with a rubber hammer to separate it from the bottom seal (Figure 13).



FIGURE 12



FIGURE 13

5. Remove the air spring from the shock. (Figure 14)



FIGURE 14

6. Remove the old o-ring from the shock (Figure 15). Use a towel to wipe down the shock and o-ring groove.



FIGURE 15

7. Air spring removal complete.

AIR SPRING INSTALLATION

1. Install the new o-ring onto the shock and lubricate. (Figure 16)



FIGURE 16

2. Install the new air spring onto the shock. (Figure 17)



FIGURE 17

3. Reinstall the top shock nut. (Figure 18)



FIGURE 18

4. Apply lubricant to the o-ring. Then, reinstall the top cap. (Figure 19)



FIGURE 19

5. Tighten the top cap with an Allen wrench (Figure 20)



FIGURE 20

6. Push and twist 1/4 turn to seal the bottom piston to the shock. (Figure 21)



FIGURE 21

7. Remove the two (2) plastic plugs and install the air line. (Figures 22, 23)

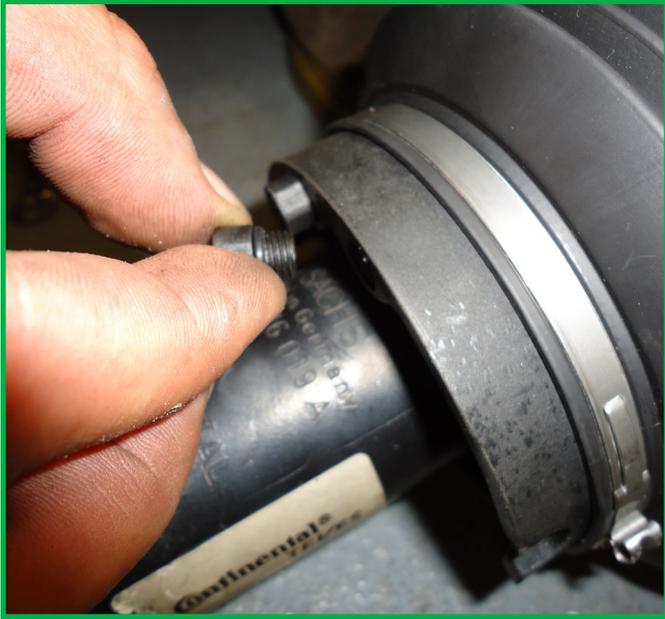


FIGURE 22

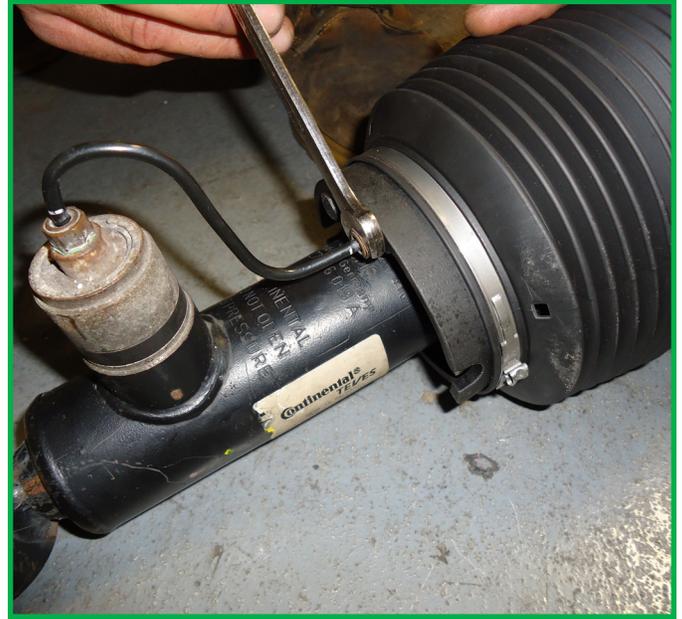


FIGURE 23

8. Air spring installation complete.

AIR STRUT INSTALLATION



WARNING:

Tighten all nuts and bolts to the manufacturer's specifications during the installation process.

1. Installation is in reverse order of air strut removal.

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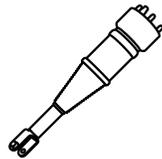
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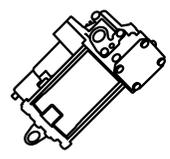
Air Springs



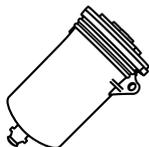
Struts



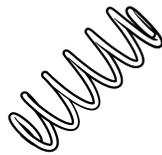
Shocks



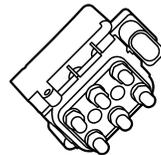
Compressors



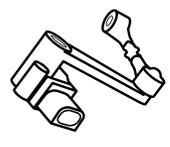
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors