



INSTALLATION MANUAL

AS-3121
Arnott New Rear Air Strut
Audi A8 Quattro
(D4 Chassis, w/o Sport Suspension)



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. Raise vehicle.
2. Remove applicable rear wheel. (Figure 1)



FIGURE 1

3. Remove fender well cover to access the rear strut. (Figures 2, 3)



FIGURE 2

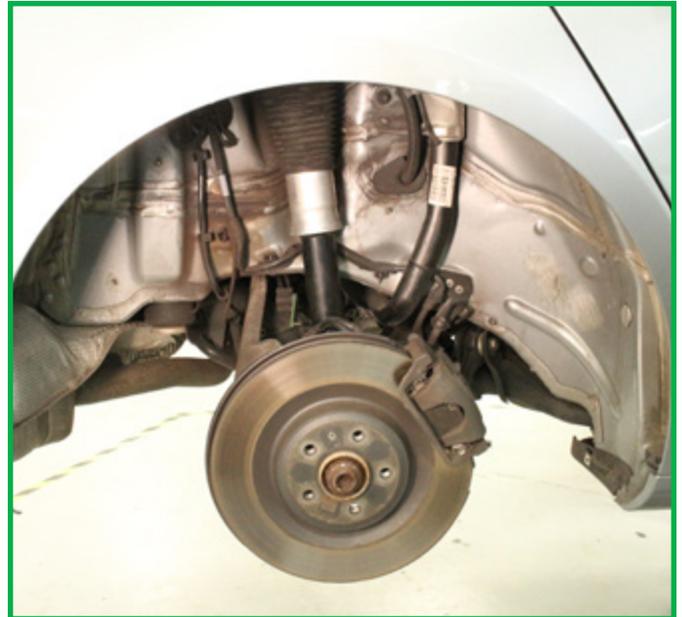


FIGURE 3

4. Locate and disconnect the electrical connector. (Figures 4, 5)

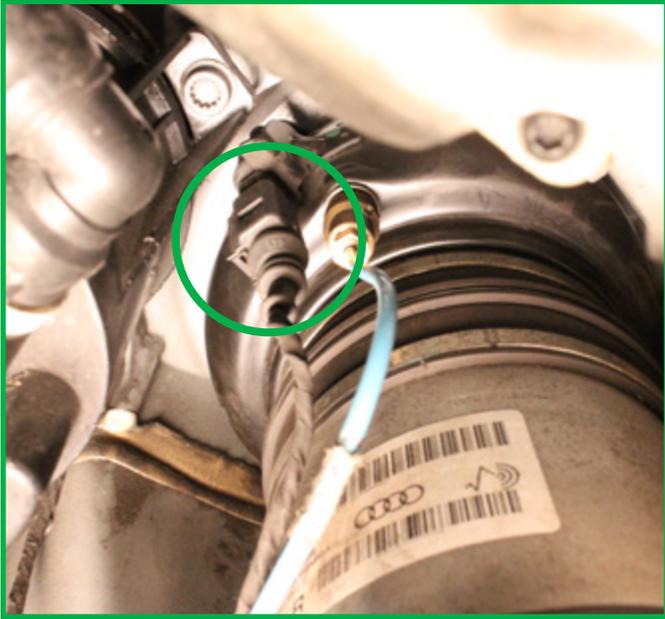


FIGURE 4

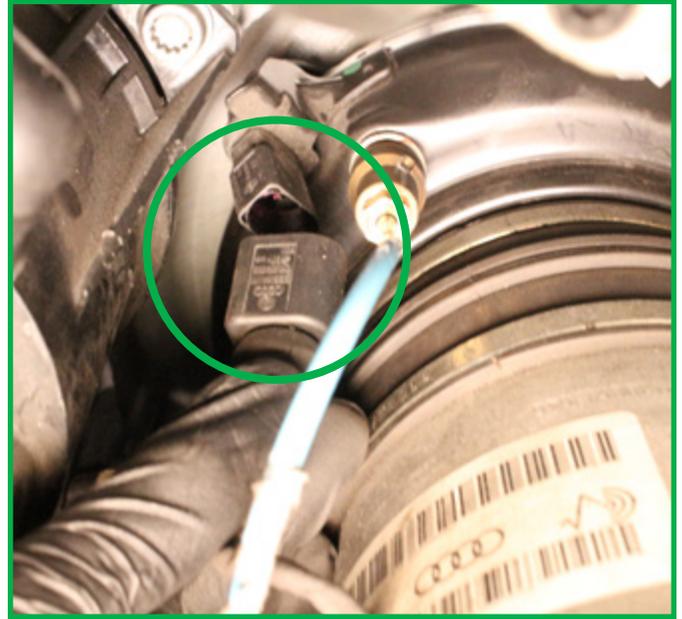


FIGURE 5

5. Disconnect air line VOSS fitting from air check valve. (Figures 6, 7)

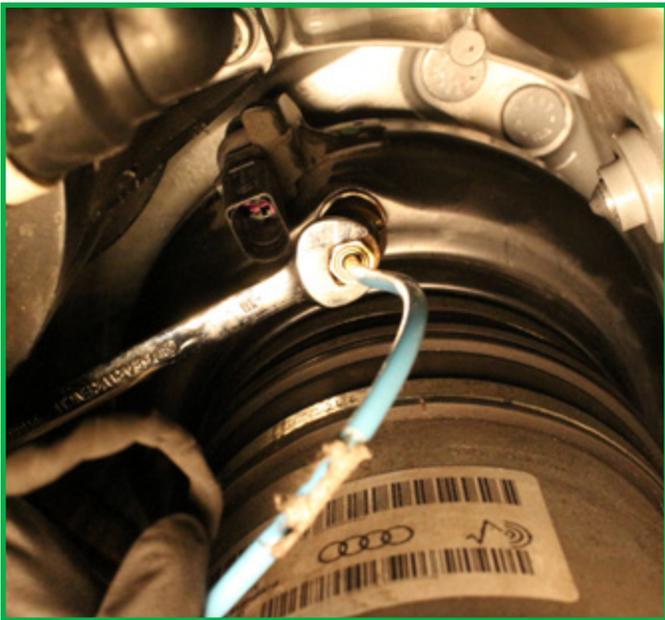


FIGURE 6

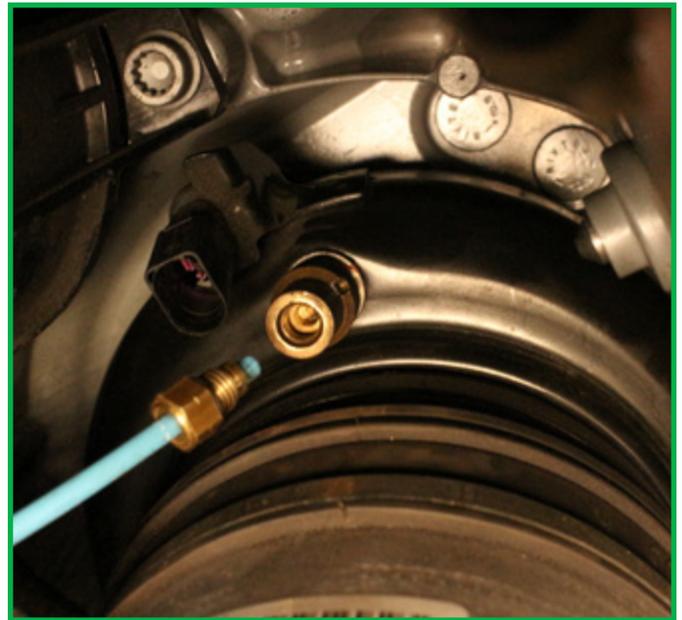


FIGURE 7

6. Remove the wire harness clip from the wire guide clip. (Figure 8)



FIGURE 8

7. Remove bottom strut bolt. (Figure 9)



FIGURE 9

8. Remove rear speaker panel and speaker to reveal top strut mount nuts. (Figures 10, 11)

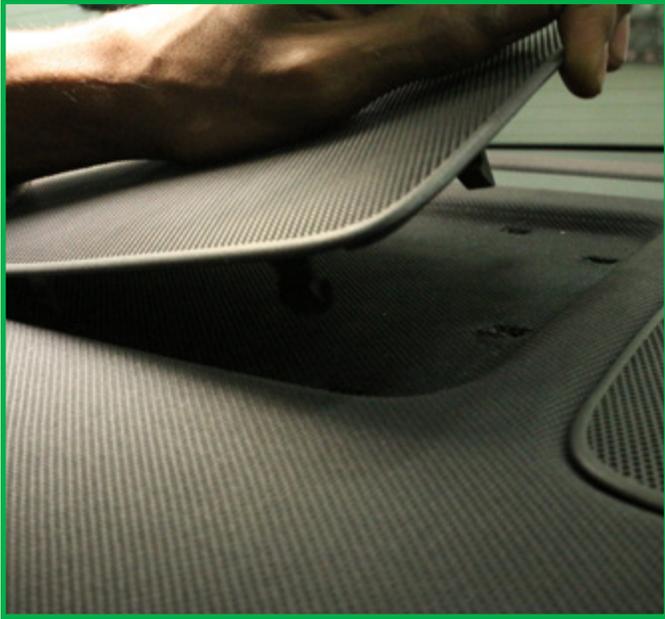


FIGURE 10

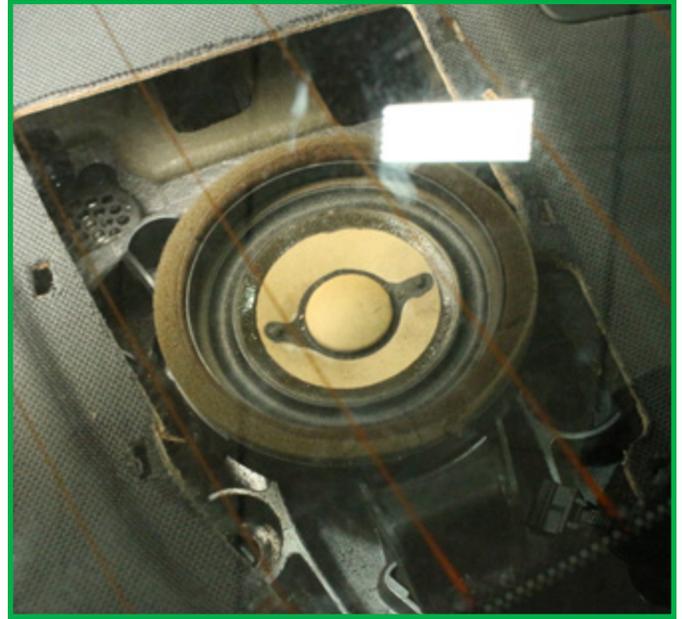


FIGURE 11

9. Remove the four (4) top mount nuts and unclip retaining clips. (Figure 12, 13)

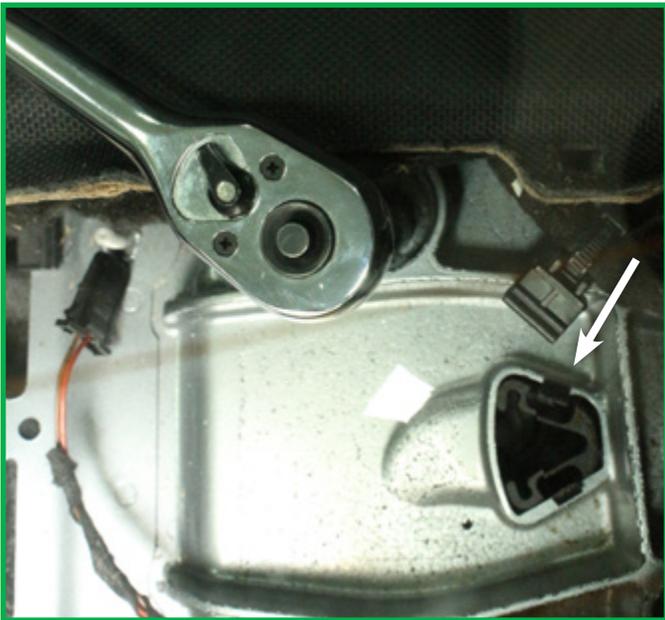


FIGURE 12

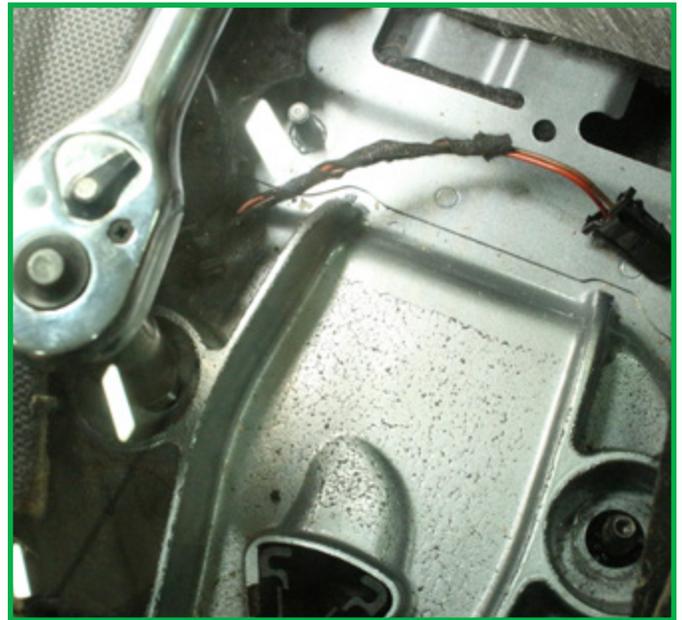


FIGURE 13

10. Remove old strut from vehicle. (Figure 14)



FIGURE 14

11. Removal complete.

ELECTRONIC AIR STRUT INSTALLATION



WARNING:

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

1. Prep the new air strut for installation by removing the silver thread shipping plug, installing the provided VOSS fitting, and removing the white shipping pin. (Figures 15, 16)



FIGURE 15



FIGURE 16

2. Install new Arnott strut on to the vehicle. (Figure 17)



FIGURE 17

3. Use the provided alignment spacers on the four (4) top studs. Ensure the lips of the spacer faces down and aligns onto the stud before installing the four (4) top mount nuts and tightening them to manufacture's specifications. (Figures 18, 19)



FIGURE 18

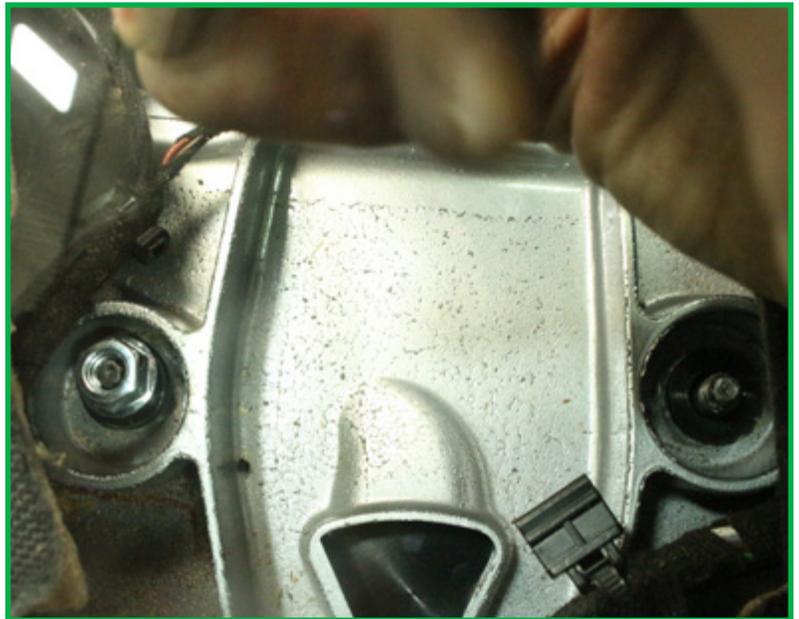


FIGURE 19

4. Install the bottom strut mount bolt and tighten to manufacture's specifications. (Figure 20)

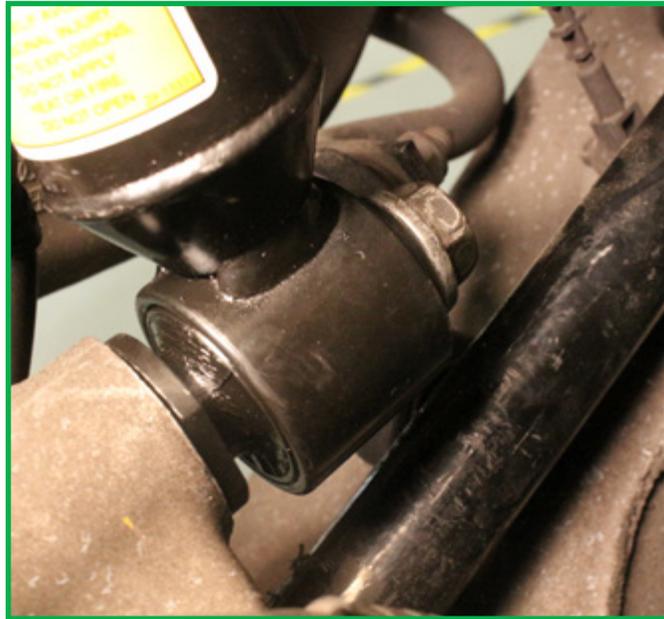


FIGURE 20

5. Connect the electrical connector to the new strut. Connect air line by inserting it to the VOSS fitting until it is seated. (Figure 21)



FIGURE 21

6. Clip wiring harness tab to new strut clip. (Figure 22)

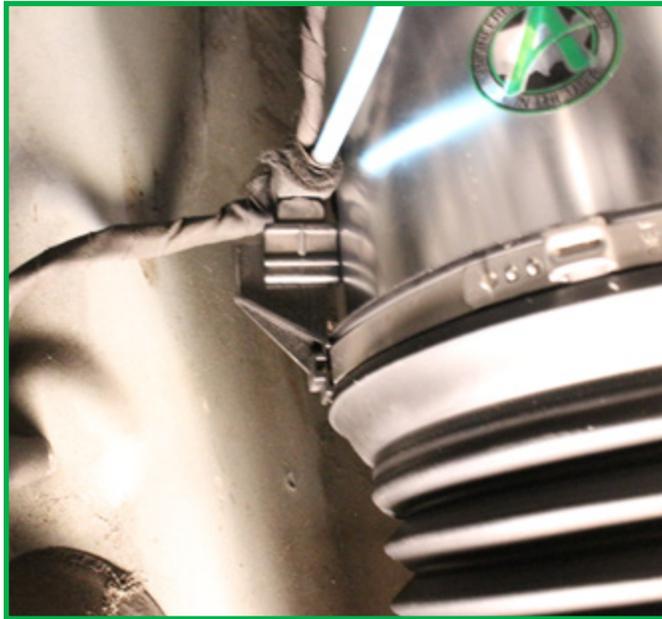


FIGURE 22

7. Reassemble fender well cover.
8. Reassemble speaker and speaker panel.
9. Reinstall wheel.
10. Lower vehicle.

Arnott®

Suspension Products

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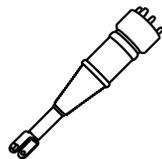
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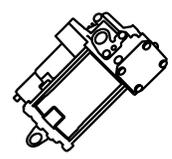
Air Springs



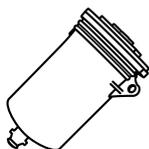
Struts



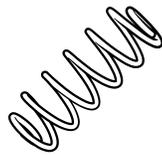
Shocks



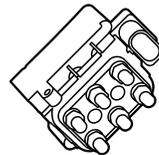
Compressors



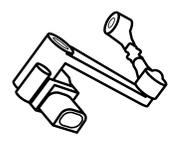
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors