



INSTALLATION MANUAL

ASE-5637 Arnott New eRide Front Electronic Air Strut Audi A8 (D5)



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.

STRUT REMOVAL

NOTE: Use an appropriate jack throughout the removal and installation process to support the axle. Adjust as needed.

1. Set the steering to straight ahead.
2. Raise the vehicle.
3. Disable the air suspension and deflate the applicable air spring according to the manufacturer's instructions.
4. Remove the engine bay trim to access the top of the strut.
5. Disconnect the electrical connector. (Figure 1)



FIGURE 1

6. Remove the applicable front wheel. (Figure 2)



FIGURE 2

7. Loosen and remove the air line (Figure 3). Discard the air line fitting (Figure 4). Move the air line out of the way to avoid damage.



FIGURE 3

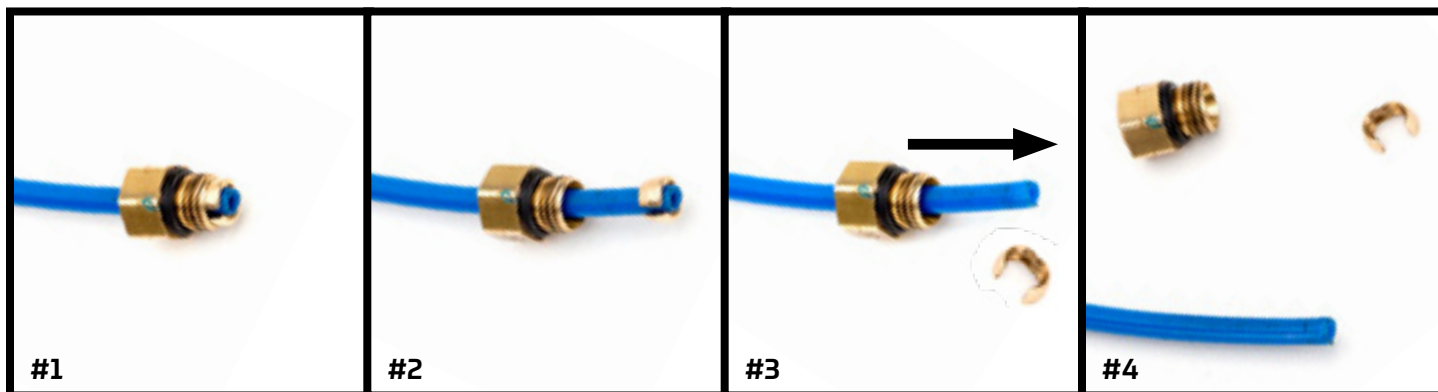
AIR LINE FITTING REMOVAL



Prior to inserting the existing air line into the new air strut you will need to remove the old original equipment air line fitting and discard.

NOTE:

Scratches and/or deep cuts in the air line can result in possible leaks. Inspect the air line before insertion. Air line needs to be replaced if damaged.



OE AIR LINE FITTING

SLIDE THE THREADED
PORTION UP THE LINE
AND SPREAD THE COLLET
OPEN TO REMOVE

SLIDE THE AIR FITTING
OFF OF THE AIR LINE

DISCARD OE AIR LINE
FITTING

FIGURE 4

8. Remove the nut attaching the ride height sensor to the lower control arm. Move the ride height sensor out of the way to avoid damage. (Figures 5, 6)



FIGURE 5



FIGURE 6

9. Move the ABS wire out of the way to avoid damage. (Figures 7)



FIGURE 7

10. Remove the upper control arm bolt and free the upper control arms from the spindle. (Figures 8, 9)

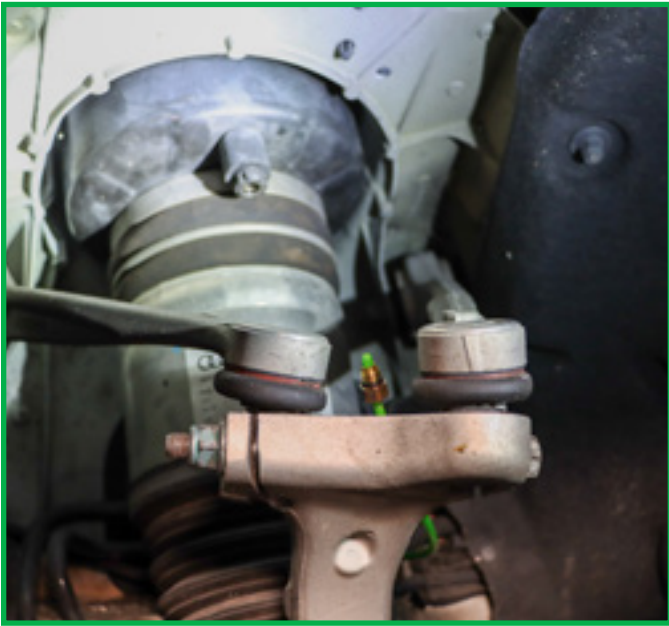


FIGURE 8



FIGURE 9

11. Remove the upper sway bar link bolt. (Figure 10)



FIGURE 10

12. Remove the bolt attaching the clevis to the strut. (Figure 11)



FIGURE 11

13. Remove the bolt attaching the lower control arm and the bottom of the clevis to the strut. (Figure 12)

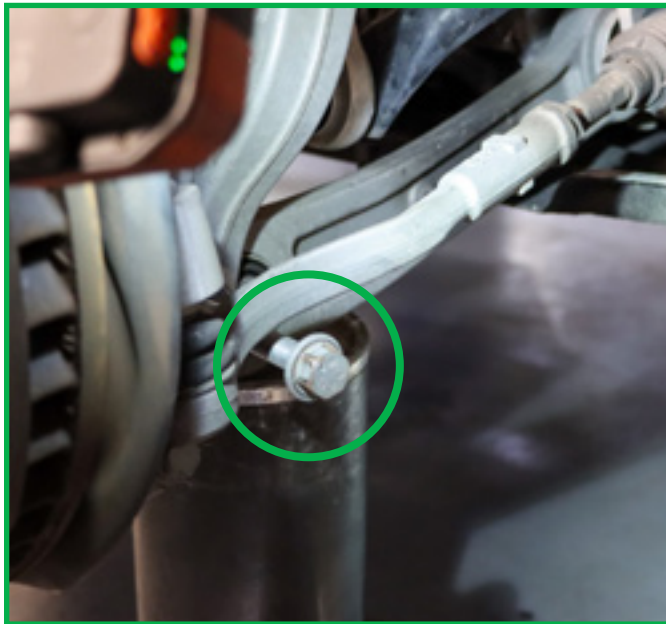


FIGURE 12

14. Free the clevis from the bottom of the strut. (Figure 13)

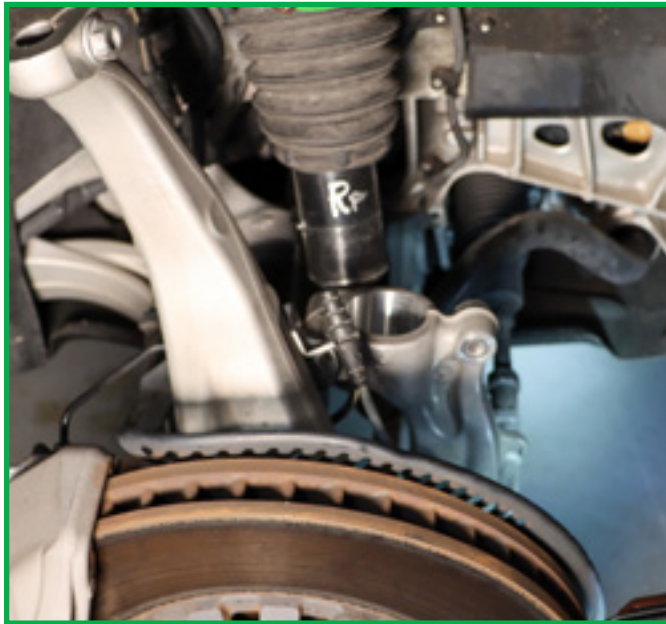


FIGURE 13

15. Remove the three (3) upper mount bolts. (Figure 14)

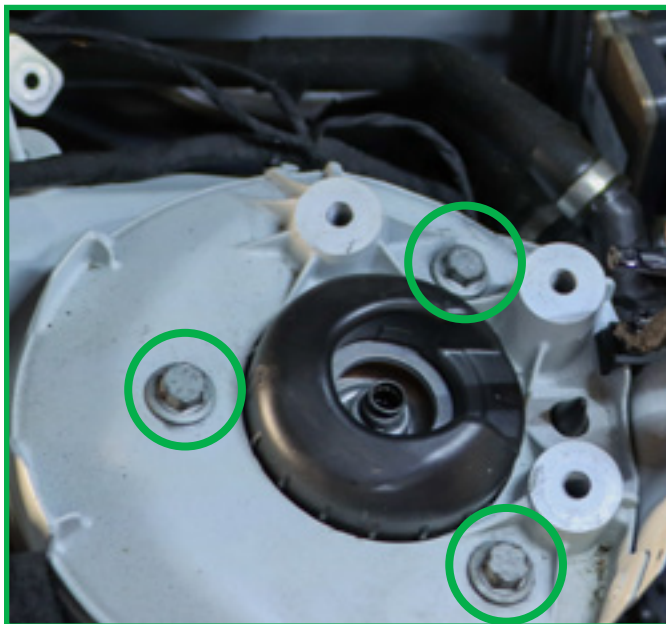


FIGURE 14

16. Remove the strut from the vehicle. (Figure 15)



FIGURE 15

17. Strut removal complete.

NEW eRIDE STRUT INSTALLATION



WARNING:

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



WARNING:

Do not remove the air fitting from the air strut. Doing so may cause damage and/or void warranty. Remove the white shipping pin from the new air fitting and insert the air line until fully seated.

NOTE: Use an appropriate jack throughout the removal and installation process to support the axle. Adjust as needed.

1. Position the strut into the vehicle for installation. (Figure 16)



FIGURE 16

2. Install the three (3) upper mount bolts. Do not tighten yet. (Figure 17)

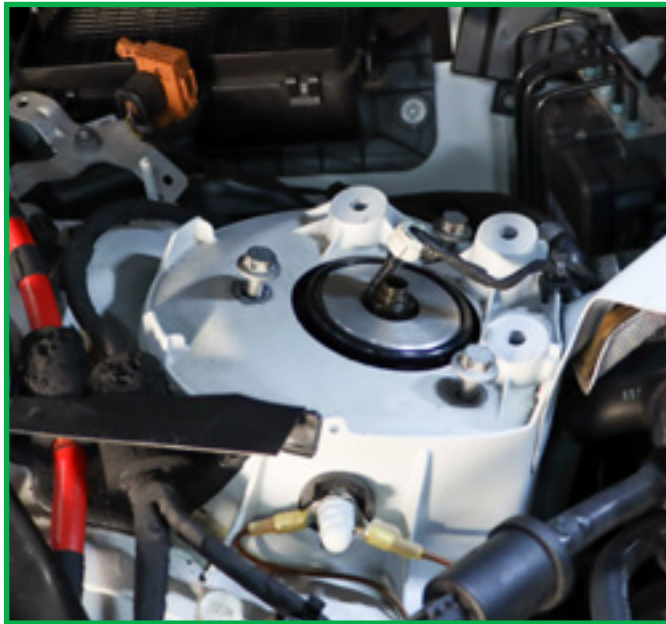


FIGURE 17

3. Position the bottom of the strut in the clevis. Install the bolt attaching the clevis to the strut.



FIGURE 18

4. Install the upper sway bar link bolt. (Figure 19)



FIGURE 19

5. Remove the bolt attaching the lower control arm and the bottom of the clevis to the strut. (Figure 20)

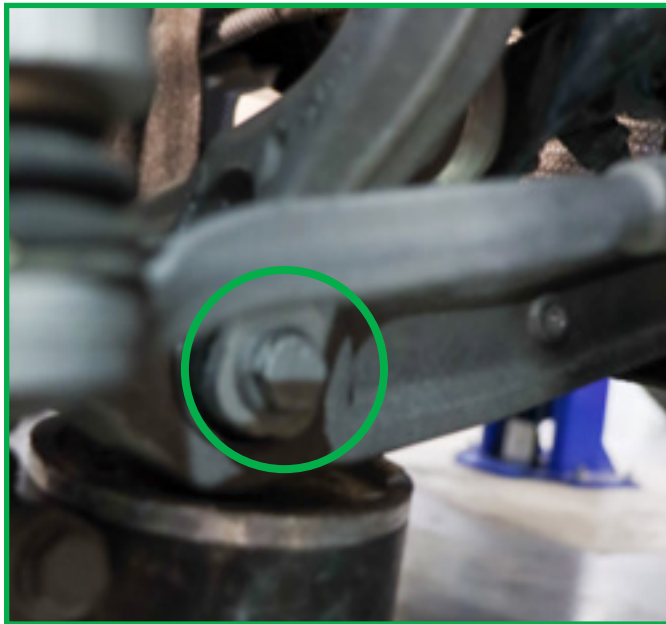


FIGURE 20

6. Install the upper control arm bolt. (Figure 21)



FIGURE 21

7. Tighten the upper mount bolts according to the manufacturer's specifications. (Figure 22)



FIGURE 22

8. Remove the plug from the valve check. Install the provided VOSS fitting and snug it tight. Then, remove the shipping pin from the VOSS fitting. Insert the air line into the new VOSS fitting and ensure it is fully seated. Ensure to follow the “Shipping Pin Removal and Air Line Installation” instructions. (Figures 23, 24, 25)

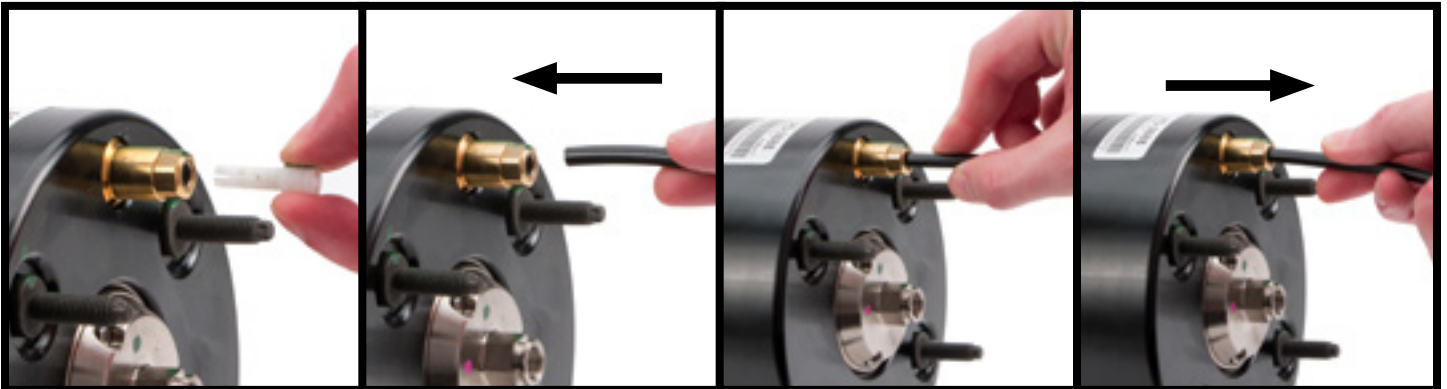


FIGURE 23



FIGURE 24

SHIPPING PIN REMOVAL AND AIR LINE INSTALLATION



REMOVE AND DISPOSE OF
THE SHIPPING PIN.

INSERT AIR LINE INTO
THE AIR LINE FITTING
UNTIL IT STOPS.

AIR LINE INSERTED.

GENTLY PULL ON AIR
LINE TO CONFIRM IT IS
FULLY SECURED BY THE
AIR LINE FITTING.

FIGURE 25

9. Carefully secure the air line to the clip on the side of the strut. (Figure 26)



FIGURE 26

10. Reattach the ride height sensor to the lower control arm. (Figure 27)



FIGURE 27

11. Connect the electrical connector to the top of the strut. (Figure 26)



FIGURE 28

12. Reinstall the wheel.
13. Enable the air suspension and inflate the air spring according to the manufacturer's instructions.
14. Lower the vehicle.
15. New eRide electronic air strut installation is complete.

Arnott®

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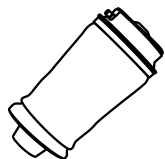
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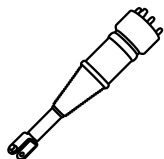
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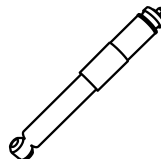
Email: info@arnotteurope.com



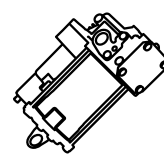
Air Springs



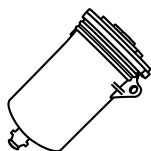
Struts



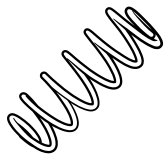
Shocks



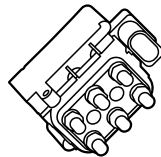
Compressors



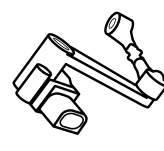
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors