



INSTALLATION MANUAL

ASE-5638

**Arnott New eRide Rear Electronic Air Strut
Audi A8 (D5) excl. S8 & Sports Susp.**



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.arnottsuspension.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

1. Raise the vehicle.
2. Deflate and disable the air suspension system according to the manufacturer's specifications.
3. Remove the rear wheel and fender liner. (Figure 1)



FIGURE 1

4. Disconnect the electrical connector, first disengaging the locking tab by pulling it downward. (Figures 2, 3)



FIGURE 2



FIGURE 3

5. Unscrew the air line fitting. (Figures 4, 5)



FIGURE 4



FIGURE 5

6. Remove the nut connecting the ride height sensor to the trailing arm. Move the ride height sensor out of the way to avoid damage. (Figure 6)



FIGURE 6

7. Remove the two control arm bolts. (Figures 7, 8)

NOTE: Use an appropriate jack to support the wheel hub.

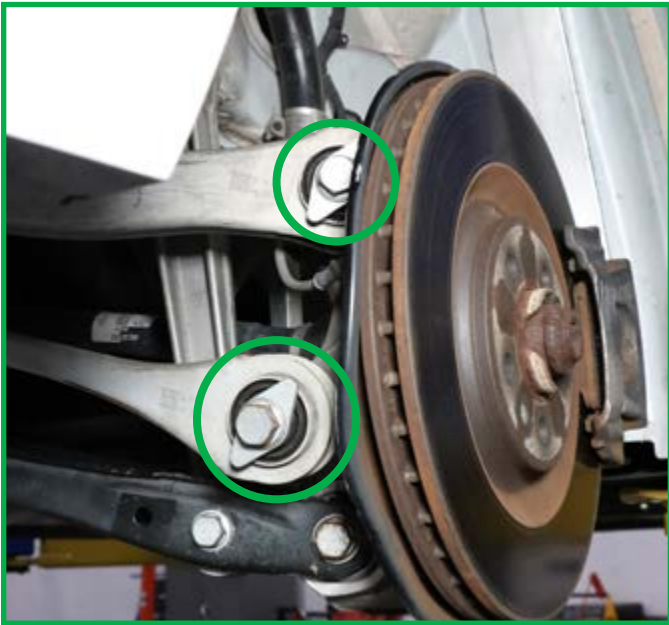


FIGURE 7



FIGURE 8

8. Remove the bolt connecting the clevis to the trailing arm. (Figure 9)



FIGURE 9

9. Remove the bolt connecting the trailing arm to the spindle. (Figure 10)



FIGURE 10

10. Free the trailing arm from the clevis and spindle by carefully pushing down on the trailing arm and up on the spindle. (Figures 11, 12)



FIGURE 11



FIGURE 12

11. Remove the bolt securing the strut to the clevis. (Figures 13, 14)



FIGURE 13



FIGURE 14

12. Use a wedge tool to separate the clevis and remove it from the strut. Leave the wedge tool in the clevis for easier installation. (Figures 15, 16)



FIGURE 15



FIGURE 16

13. Remove the three upper mounting bolts. (Figures 17, 18)

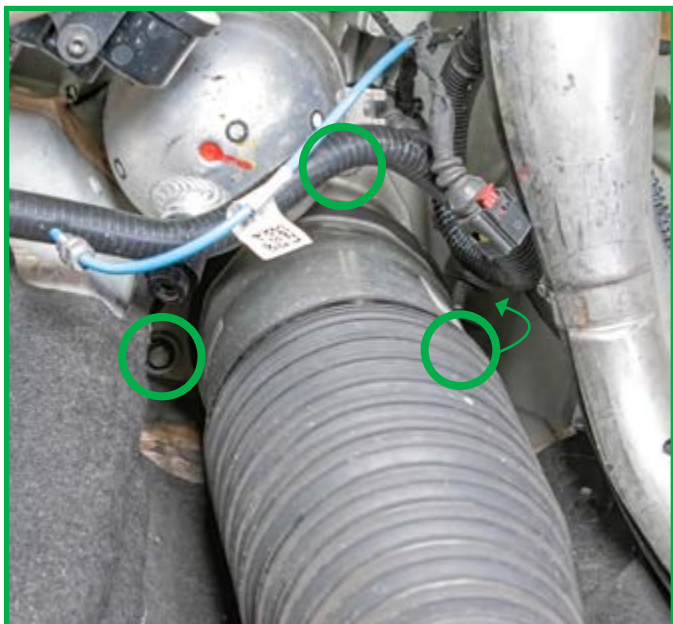


FIGURE 17



FIGURE 18

14. Remove the strut from the vehicle. (Figure 19)



FIGURE 19

ALIGNMENT GUIDE REMOVAL AND INSTALLATION

1. Remove the alignment guide from the top of the OE strut.
2. On the new Arnott strut, unclip the electrical connector from the bracket. (Figure 20)



FIGURE 20

3. Install the guide onto the new Arnott strut, ensuring the wire guide is sitting in the dedicated space. (Figures 21, 22)



FIGURE 21



FIGURE 22

4. Route the electrical wire into the wire guide. (Figures 23, 24)



FIGURE 23



FIGURE 24

5. Reclip the electrical connector to the bracket.

STRUT INSTALLATION



WARNING:

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

1. Place the strut into the vehicle, lining up the alignment guide appropriately. (Figures 25, 26)



FIGURE 25

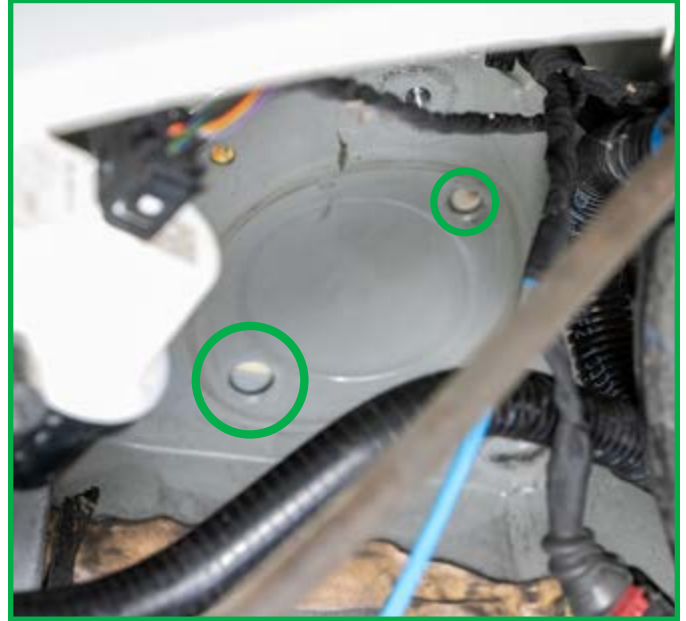


FIGURE 26

2. Loosely install the three upper mounting bolts. Do not tighten yet. (Figure 27)



FIGURE 27

3. Install the clevis onto the strut, ensuring that the base of the strut is fully seated. Do not install the bolt yet. (Figure 28)



FIGURE 28

4. Push down on the spindle and up on the trailing arm to realign the lower clevis and spindle to the trailing arm. Reinstall the trailing arm to clevis and spindle bolts but do not fully tighten yet. (Figures 29, 30)



FIGURE 29



FIGURE 30

5. Reinstall the two control arm bolts. (Figures 31, 32)



WARNING:

To avoid cross threading, first thread by hand and do not use impact tools.



FIGURE 31



FIGURE 32

6. Reinstall the bolt that secures the clevis to the strut. (Figure 33)



FIGURE 33

7. Reinstall the nut to connect the ride height sensor to the trailing arm. (Figure 34)



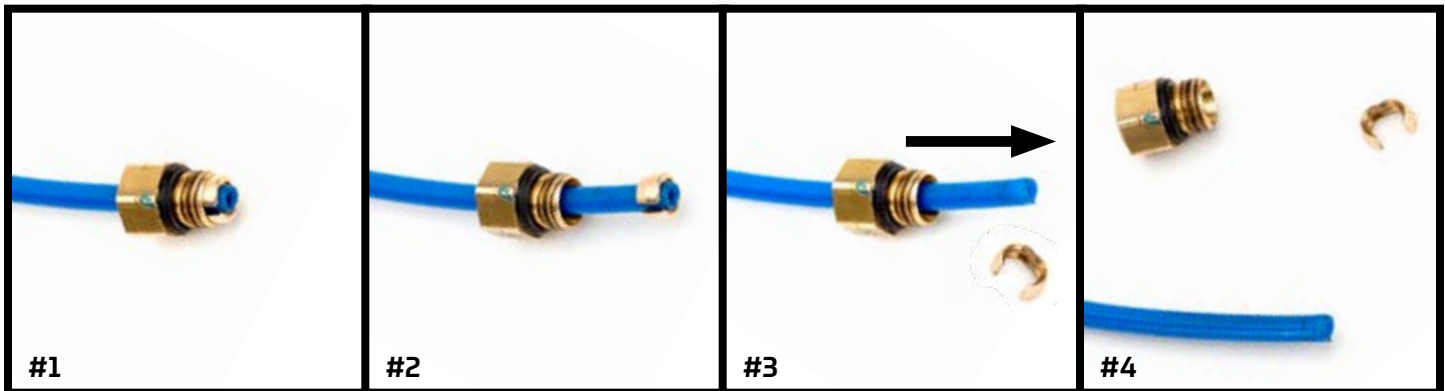
FIGURE 34

8. Remove the OE fitting from the air line. (Figure 35)

AIR LINE FITTING REMOVAL



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



#1
OE AIR LINE FITTING

#2
SLIDE THE THREADED
PORTION UP THE LINE
AND SPREAD THE COLLET
OPEN TO REMOVE

#3
SLIDE THE AIR FITTING
OFF OF THE AIR LINE

#4
DISCARD OE AIR LINE
FITTING

FIGURE 35

9. Remove the shipping pin and install the air line. (Figures 36, 37)

SHIPPING PIN REMOVAL AND AIR LINE INSTALLATION

NOTE: Scratches and/or deep cuts in the air line may result in leaks. Inspect the air line before insertion. Replace the air line if damaged.

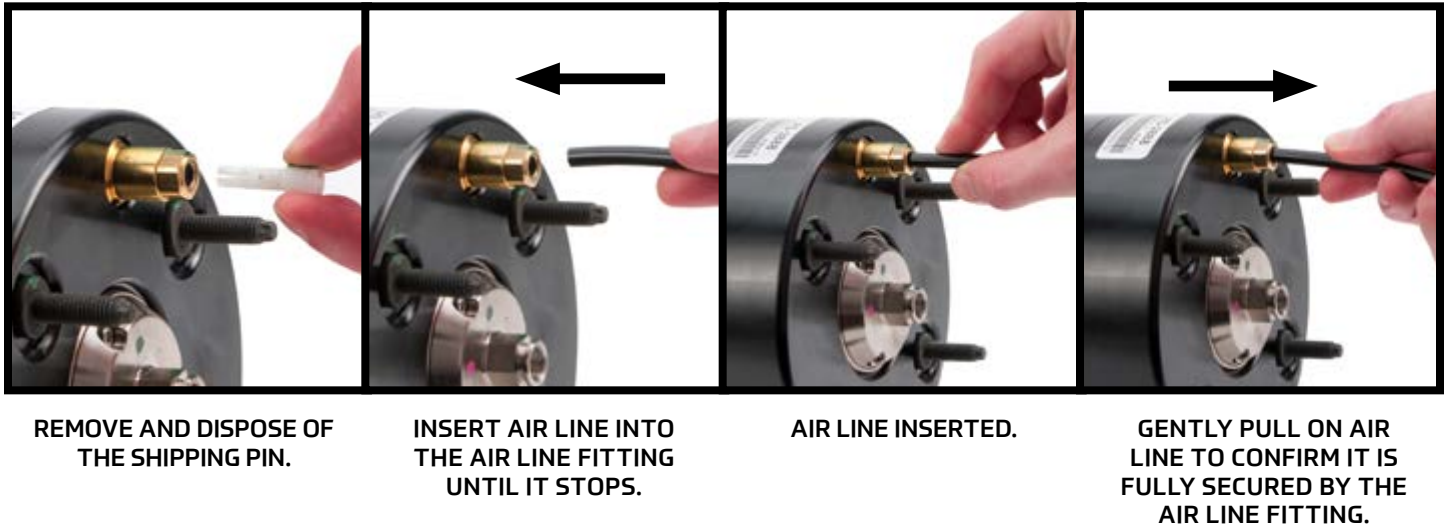


FIGURE 36



FIGURE 37

10. Plug in the electrical connector, ensuring the locking tab is engaged. (Figure 38)



FIGURE 38

11. Torque all nuts and bolts to the manufacturer's specifications. (Figure 39)



FIGURE 39

12. Reinstall the rear wheel and fender liner.

13. Inflate and enable the air suspension system according to the manufacturer's specifications.

14. Lower the vehicle.

15. Installation complete.

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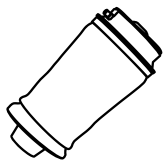
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BE Phone: +32 258 846 90

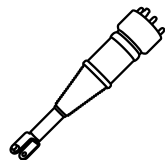
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FR Phone: +32 78 48 46 93

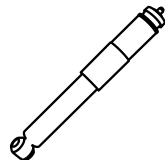
Email: info@arnotteurope.com



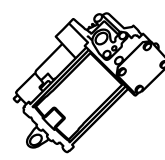
Air Springs



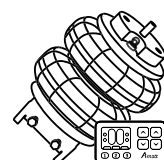
Struts



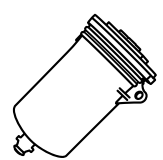
Shocks



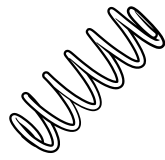
Compressors



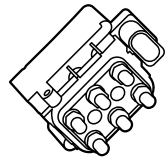
LCV Air Helper
Spring Kits



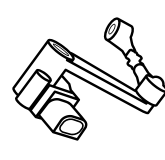
Dryers



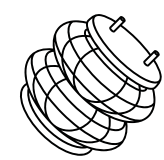
Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors



Pickup Truck Air
Helper Springs