



INSTALLATION MANUAL

ASE-4374

**Arnott New Front Left eRide Electronic Strut
Porsche Cayenne (92A),
Volkswagen Touareg (7P5/6)**



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.

NOTE: This vehicle contains 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 steering to straight ahead.
2. Raise vehicle.
3. Remove front wheel. (Figure 1)



FIGURE 1

4. Open hood and remove applicable engine bay trim to access the strut's top mount and electrical connector. (Figures 2, 3, 4)



FIGURE 2



FIGURE 3



FIGURE 4

5. Disconnect the electrical connection to the strut. (Figures 5, 6)



FIGURE 5



FIGURE 6

6. Loosen and remove the strut's top mounting nuts. (Figure 7)



FIGURE 7

7. Loosen and remove air line, then remove and discard OE air fitting. (Figures 8, 9)



FIGURE 8

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.

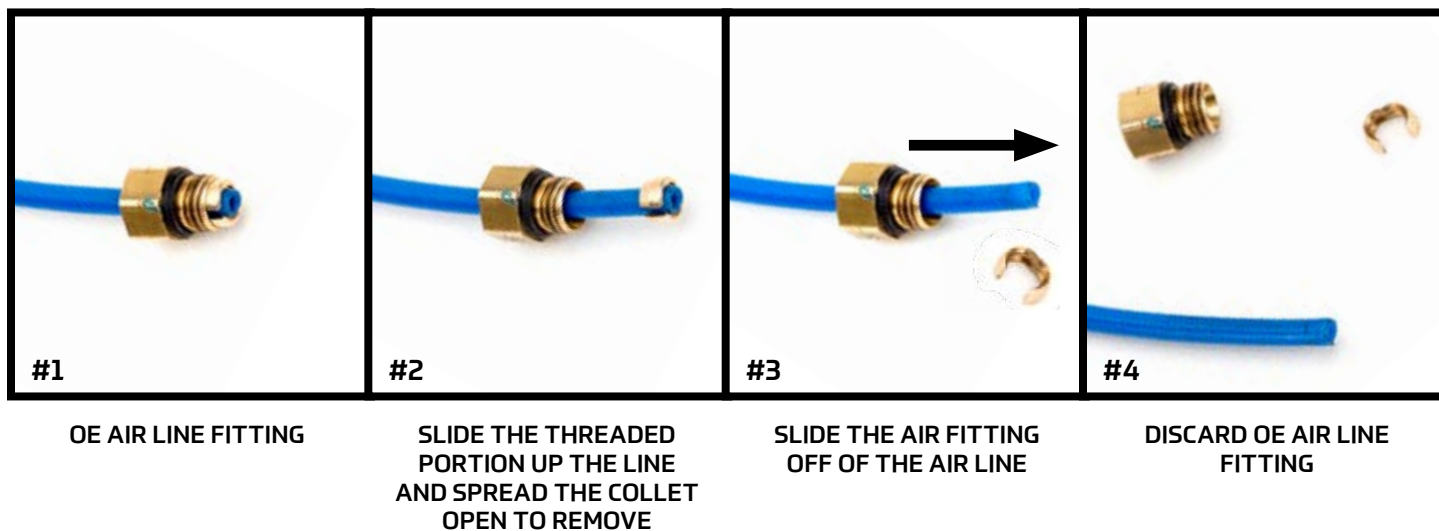


FIGURE 9

8. Disconnect the height sensor linkage. (Figures 10, 11)



FIGURE 10



FIGURE 11

9. Disconnect the brake hose grommet. (Figure 12)



FIGURE 12

10. Disconnect the ABS sensor grommet and connection. (Figures 13, 14)

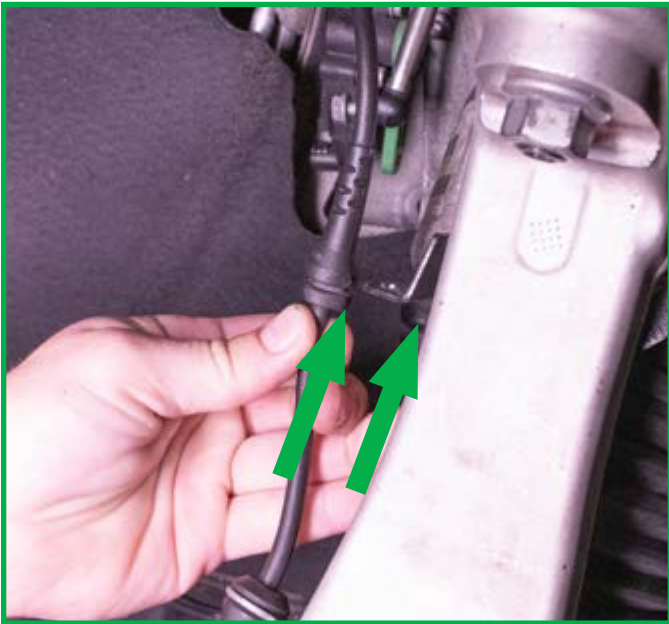


FIGURE 13



FIGURE 14

11. Separate the ball joint from the spindle assembly. (Figures 15, 16)



FIGURE 15



FIGURE 16

12. Loosen and remove the top sway bar end link bolt and nut. (Figures 17, 18)



FIGURE 17



FIGURE 18

13. Loosen the bottom sway bar end link nut, but do not remove. (Figure 19)



FIGURE 19

14. Loosen and remove the lower strut bolt. (Figures 20, 21)

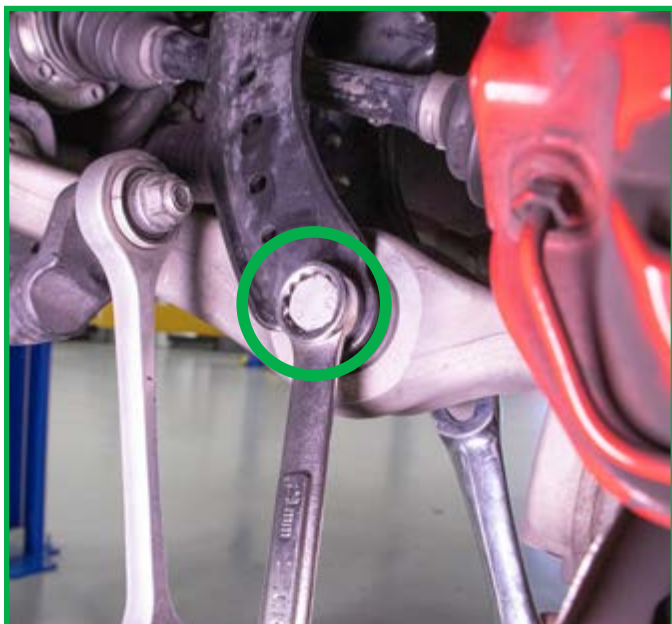


FIGURE 20



FIGURE 21

15. Remove strut from vehicle. (Figure 22)



FIGURE 22

16. Removal complete.

eRide STRUT INSTALLATION



WARNING:

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

1. Install the new Arnott air strut into the vehicle. (Figure 23)



FIGURE 23

2. Loosely thread on the three (3) supplied top mounting nuts to support the strut. Install by hand to avoid cross-threading. Do not tighten yet. (Figure 24)

NOTE: You will need an additional person to hold the strut from below as you thread on the top mounting nuts.



FIGURE 24

3. Reinstall the lower strut mounting bolt and tighten to manufacturer's specifications. (Figures 25, 26)



FIGURE 25



FIGURE 26

4. Reinstall the top sway bar end link bolt and nut and tighten to manufacturer's specifications. (Figures 27, 28)



FIGURE 27



FIGURE 28

5. Tighten the bottom sway bar end link nut to manufacturer's specifications. (Figure 29)



FIGURE 29

6. Reinstall the upper ball joint nut and tighten to manufacturer's specifications. (Figures 30, 31)



FIGURE 30



FIGURE 31

7. Reconnect brake line and ABS sensor wire grommets. (Figures 32, 33)



FIGURE 32



FIGURE 33

8. Reconnect the ABS sensor wire. (Figure 34)



FIGURE 34

9. Reconnect the height sensor linkage and tighten to manufacturer's specifications. (Figures 35, 36)



FIGURE 35



FIGURE 36

10. Install Arnott air fitting to existing air hose. (Figure 37)

ARNOTT AIR FITTING INSTALLATION

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.

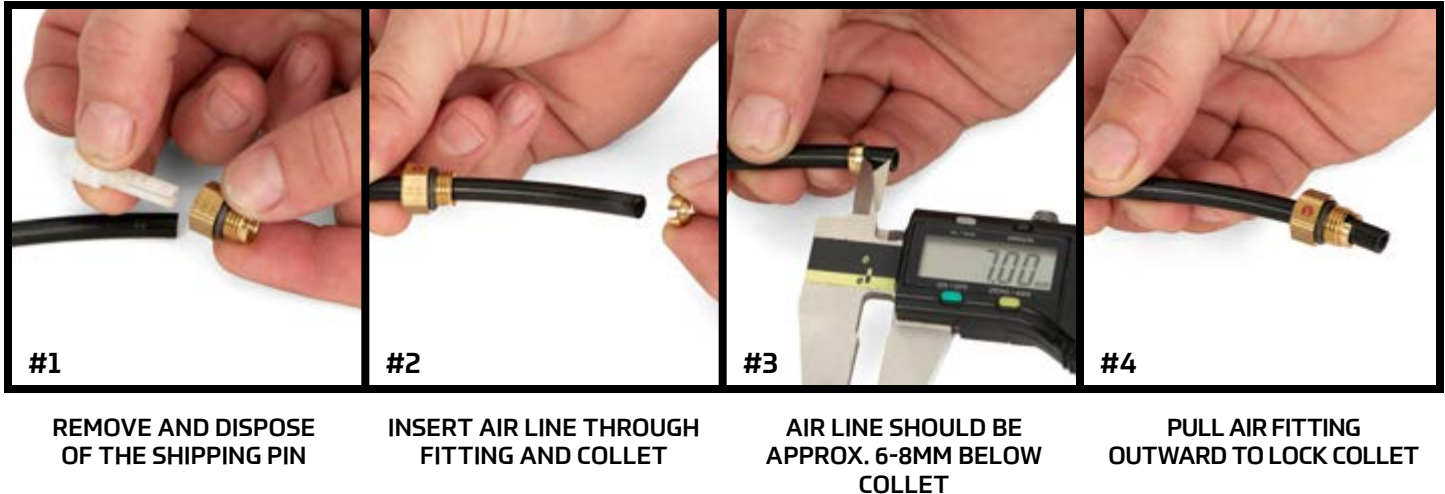


FIGURE 37

11. Reinstall the air line and tighten to manufacturer's specifications. (Figure 38)



FIGURE 38

12. Tighten the top mounting nuts to the manufacturer's specifications. (Figure 39)

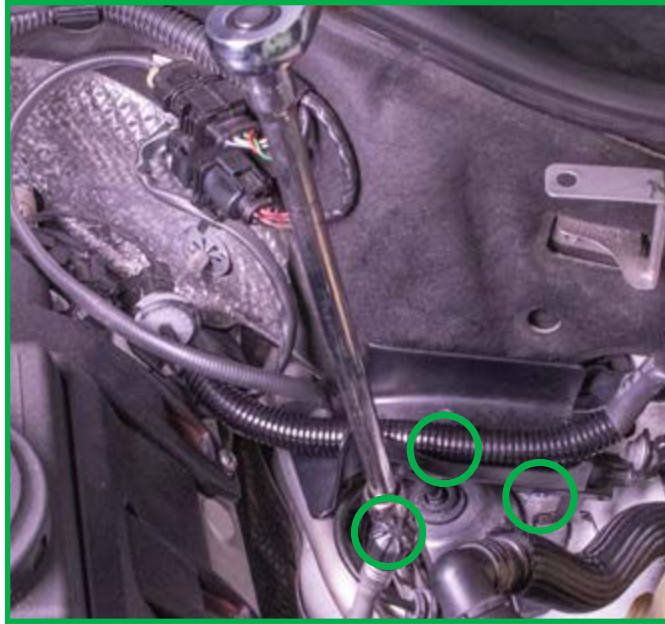


FIGURE 39

13. Reconnect the air strut's electrical connection. (Figure 40)



FIGURE 40

14. Under the hood, reinstall the side trim cover. (Figure 41)



FIGURE 41

- 15. Close the hood.
- 16. Reinstall the wheel.
- 17. Lower the vehicle.
- 18. Installation complete.



HOW HELPFUL WAS THIS MANUAL?

Scan the QR code or click the link below to let us know.

<https://bit.ly/4uIA0AZ>

NEED IMMEDIATE SUPPORT?

We're happy to help! Reach out using the contact information listed.

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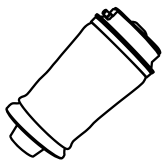
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BE Phone: +32 258 846 90

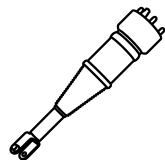
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FR Phone: +32 78 48 46 93

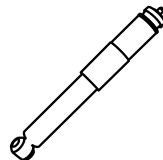
Email: info@arnotteurope.com



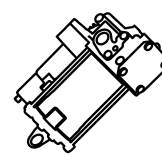
Air Springs



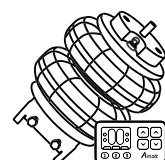
Struts



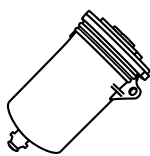
Shocks



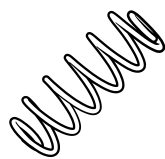
Compressors



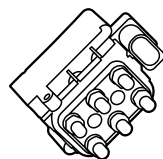
LCV Air Helper
Spring Kits



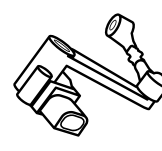
Dryers



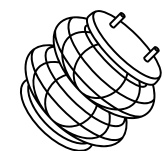
Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors



Pickup Truck Air
Helper Springs