



INSTALLATION MANUAL

A-5771

**Arnott New Rear Right Air Spring
Porsche Cayenne (9Y) 2018-2024**



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.

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.

Removal and installation of this component requires a compatible scan tool for deflating/disabling and inflating/enabling the air suspension system. Ensure you have the necessary equipment **before proceeding**.

REAR AIR SPRING REMOVAL

1. Set the steering to straight ahead.
2. Lift the vehicle according to the manufacturer’s instructions.
3. Deflate and disable the air suspension system according to the manufacturer’s instructions.
4. Remove the applicable wheel. Position an appropriate jack stand to support the axle during removal and installation. (Figure 1)



FIGURE 1

5. Disconnect the two (2) electrical connectors. (Figures 2, 3)



FIGURE 2



FIGURE 3

6. Remove the nut connecting the ride height sensor to the control arm. Carefully move the height sensor arm out of the way. (Figures 4, 5)



FIGURE 4



FIGURE 5

7. Unscrew the fitting to disconnect the air line. (Figure 6)



FIGURE 6

8. Remove the two (2) bolts connecting the trailing arm to the wheel bearing and the lower shock mount. (Figures 7, 8)



FIGURE 7



FIGURE 8

9. Loosen, but **do not remove**, the bolt connecting the trailing arm to the rear frame. (Figure 9)



FIGURE 9

10. At this point, you may be able to lower the trailing arm to free the air spring. If not, complete step 11. (Figure 10)



FIGURE 10

11. Remove the two (2) bolts connecting the control arms to the axle. (Figures 11, 12)



WARNING:

Support the axle with an appropriate jack stand to avoid damage or injury.



FIGURE 11



FIGURE 12

12. Remove the air spring. (Figures 13, 14)



FIGURE 13



FIGURE 14

13. Air spring removal complete.

AIR SPRING INSTALLATION



WARNING:

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

1. Position the air spring into the vehicle. Ensure the upper and lower tabs are properly aligned. (Figures 15, 16)

NOTE: Use an appropriate jack stand to support the trailing arm.



FIGURE 15

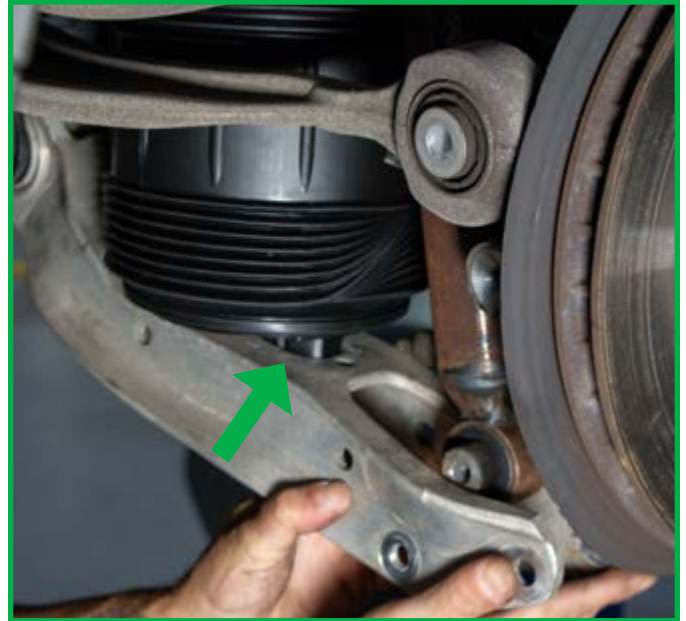


FIGURE 16

2. Install the two (2) bolts connecting the control arms to the axle. (Figure 17)

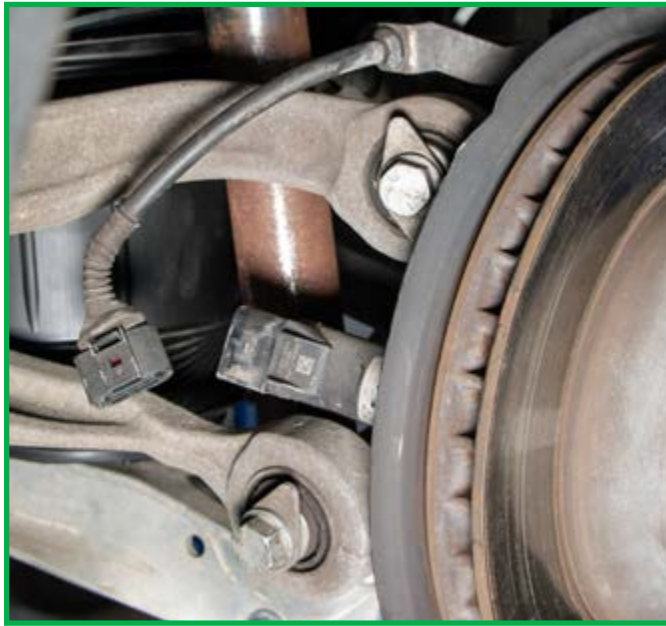


FIGURE 17

3. Install the two (2) bolts connecting the trailing arm to the wheel bearing and the lower shock mount. (Figures 18, 19)



FIGURE 18



FIGURE 19

4. Tighten the bolt connecting the trailing arm to the rear frame according to the manufacturer's specifications. (Figure 20)



FIGURE 20

5. Insert the air line by following the instructions in the figures below. (Figures 21, 22, 23)

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.

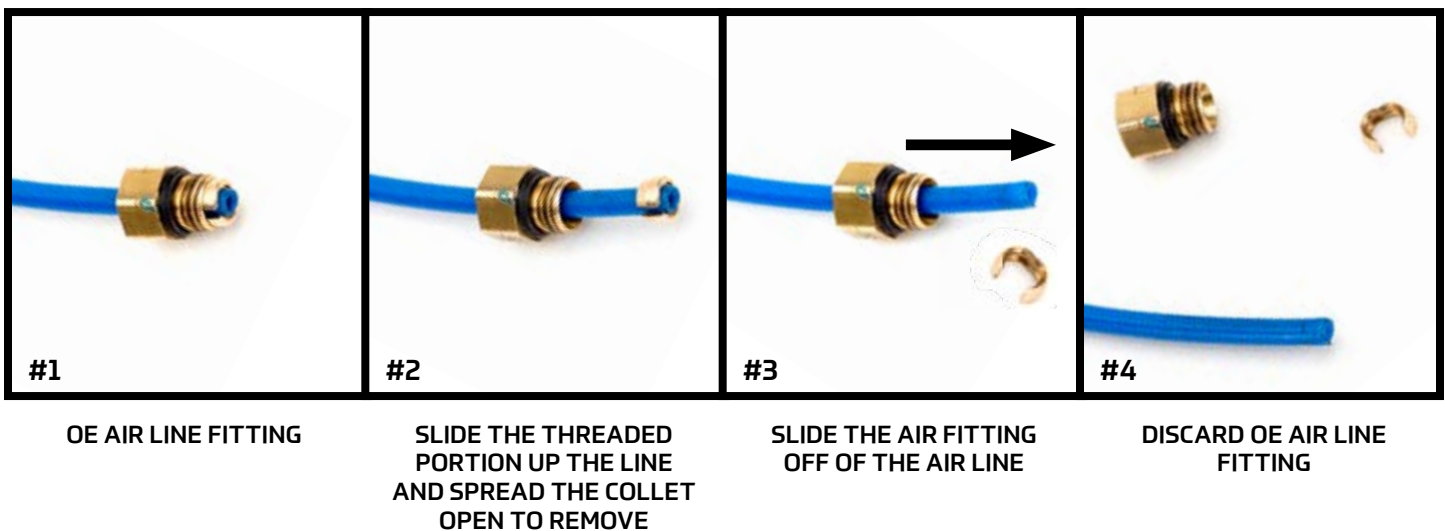


FIGURE 21

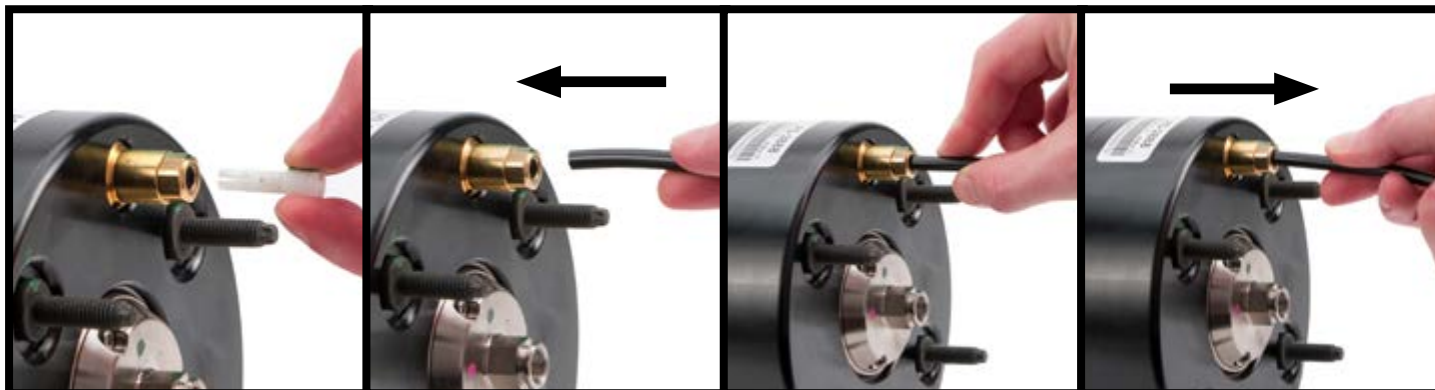
SHIPPING PIN REMOVAL AND AIR LINE INSTALLATION



WARNING:

Do not remove the air fitting from the air spring. 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: 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.



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 22



FIGURE 23

6. Install the nut to reconnect the ride height sensor to the control arm. (Figure 24)



FIGURE 24

7. Reconnect the two (2) electrical connectors. (Figures 25, 26)



FIGURE 25



FIGURE 26

8. Reinflate the air suspension system while carefully monitoring that the air spring remains correctly seated. (Figure 27)



FIGURE 27

9. Reinstall the wheel.
10. Lower the vehicle.
11. Air spring installation complete.

**A 4-WHEEL ALIGNMENT
IS RECOMMENDED AFTER INSTALLATION**

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<https://bit.ly/4tHDY6n>

NEED IMMEDIATE SUPPORT?

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