



INSTALLATION MANUAL

A-4324 Arnott New Rear Left Air Spring Porsche Panamera (971)



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.

REAR AIR SPRING REMOVAL

1. Raise the vehicle.
2. Disable the air suspension system and deflate the applicable air spring according to the manufacturer's instructions.
3. Remove the applicable rear wheel. (Figure 1)



FIGURE 1

4. Unplug the electrical connection at the top of the air spring. (Figures 2, 3)



FIGURE 2

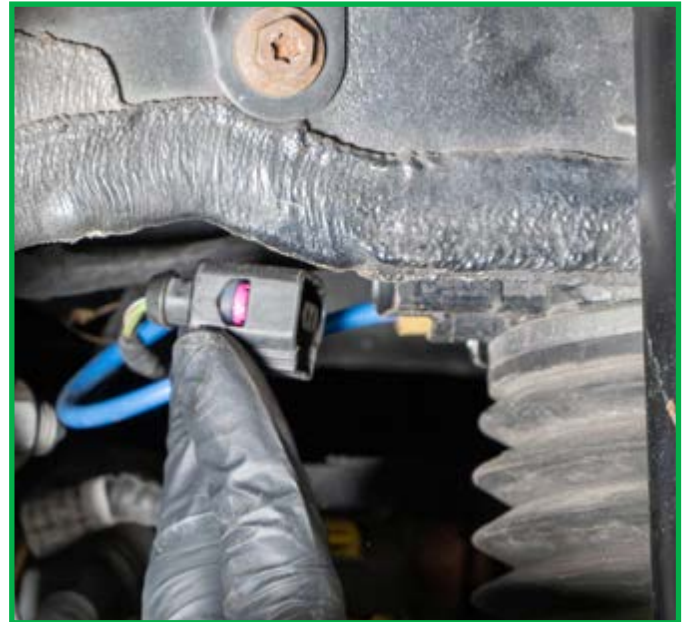


FIGURE 3

5. Disconnect the air line (Figures 4, 5). Remove the air line fitting and discard it. (Figure 6)



FIGURE 4



FIGURE 5

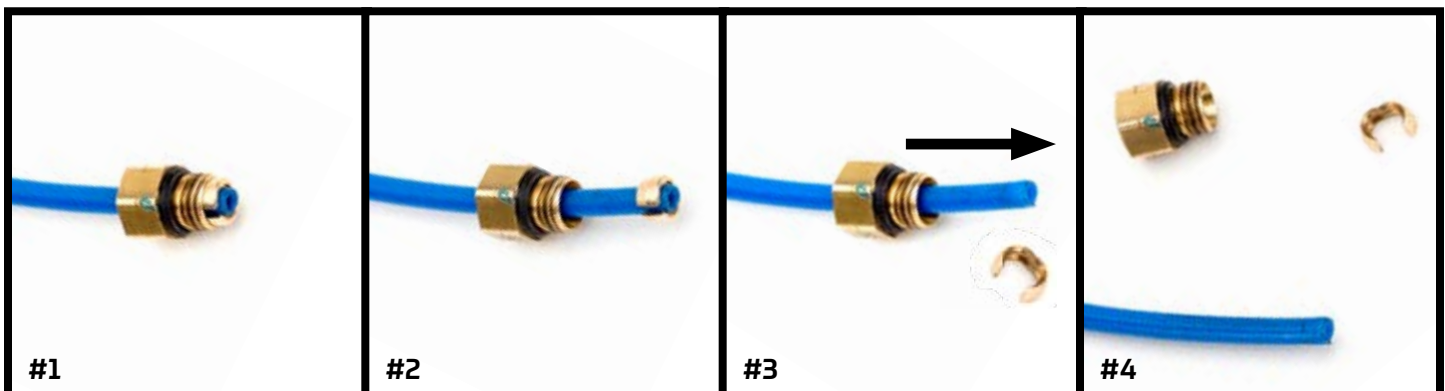
AIR LINE FITTING REMOVAL



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 6

6. Unplug the electrical connection at the bottom of the air spring. (Figure 7)



FIGURE 7

7. Remove the screw attaching the ride height sensor to the lower control arm. Carefully place the ride height sensor out of the way to avoid damage. (Figures 8, 9)



FIGURE 8

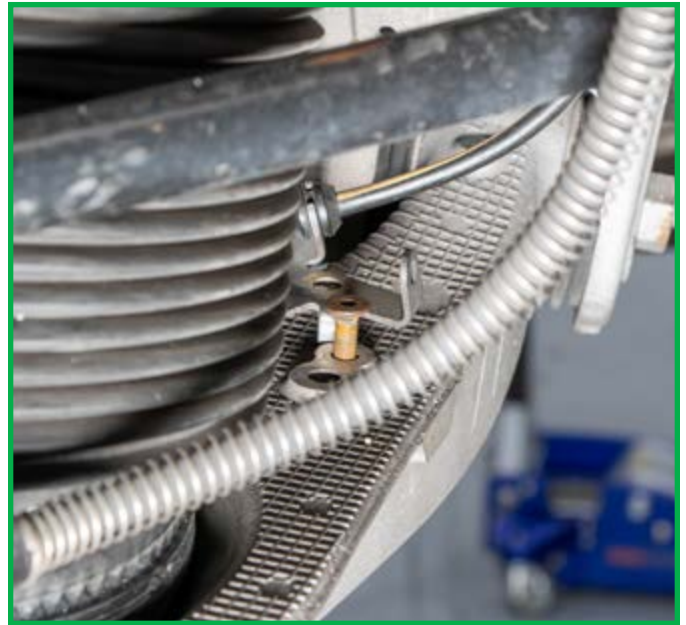


FIGURE 9

8. Remove the upper control arm bolt. (Figures 10, 11)



FIGURE 10

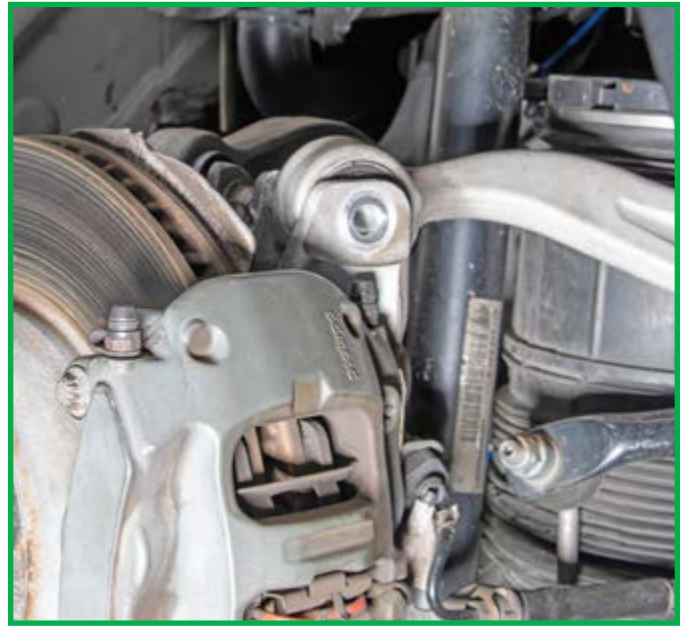


FIGURE 11

9. While pushing the upper control arm out of the way, compress the air spring and remove it from the vehicle. (Figures 12, 13)



FIGURE 12



FIGURE 13

10. Remove the cap from the top of the air spring (Figure 14). Then, remove the electrical harness by pulling the red tab to unlock and unplugging the connector (Figure 15).



FIGURE 14



FIGURE 15

11. Removal complete.

REAR AIR SPRING INSTALLATION



WARNING:

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

1. Install the wire harness onto the new Arnott air spring by removing the cap from the new air spring and inserting the connector (Figure 16). Ensure to press the red tab to lock the electrical connector in place.



FIGURE 16

2. Press the rest of the wire harness into place (Figure 17). Reinstall the cap back onto the new air spring, ensuring it is fully secured (Figure 18).



FIGURE 17



FIGURE 18

3. Position the air spring into the vehicle. Ensure it is seated securely and in the correct orientation. (Figure 19)



FIGURE 19

4. Reinstall the upper control arm bolt. (Figures 20, 21)

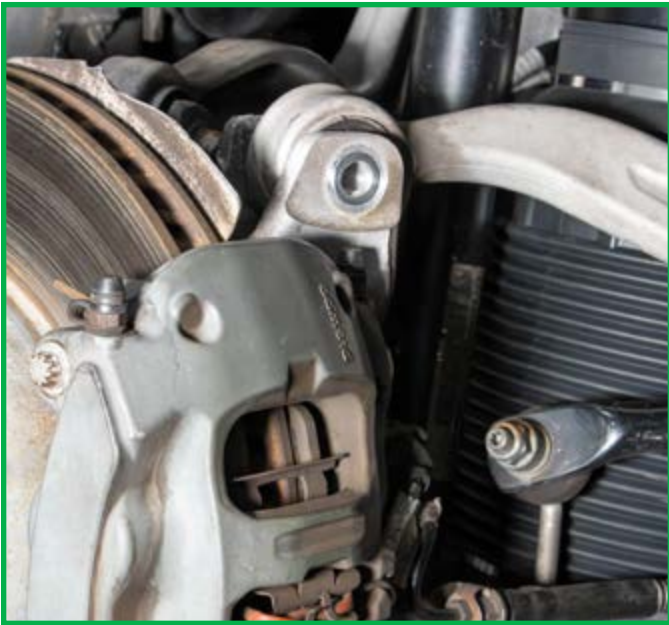


FIGURE 20



FIGURE 21

5. Reinstall the screw to attach the ride height sensor to the lower control arm. (Figures 22, 23)



FIGURE 22



FIGURE 23

6. Reconnect the electrical connection at the bottom of the air spring (Figure 24). Ensure the wire is properly lined up in the wire relief (Figure 25).



FIGURE 24

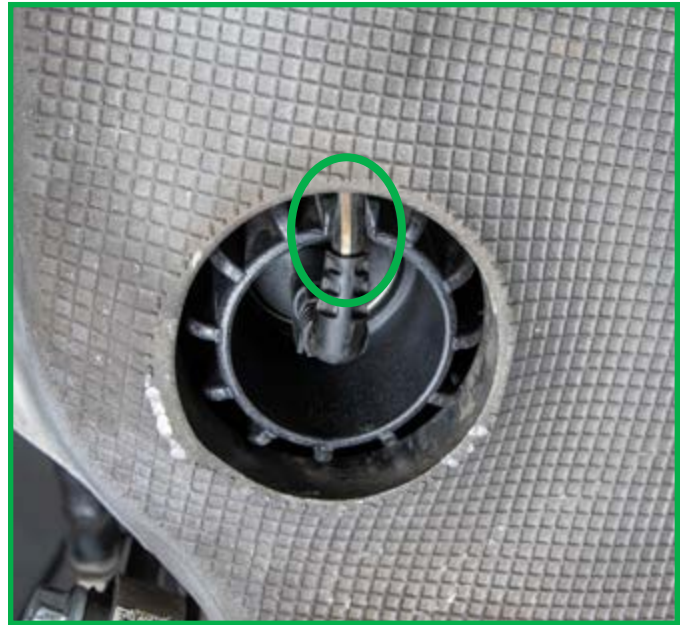


FIGURE 25

7. Remove the white shipping pin from the new Arnott air spring (Figure 26). Install the air line by pushing the line into the fitting until it is firmly seated (Figures 27, 28).



FIGURE 26

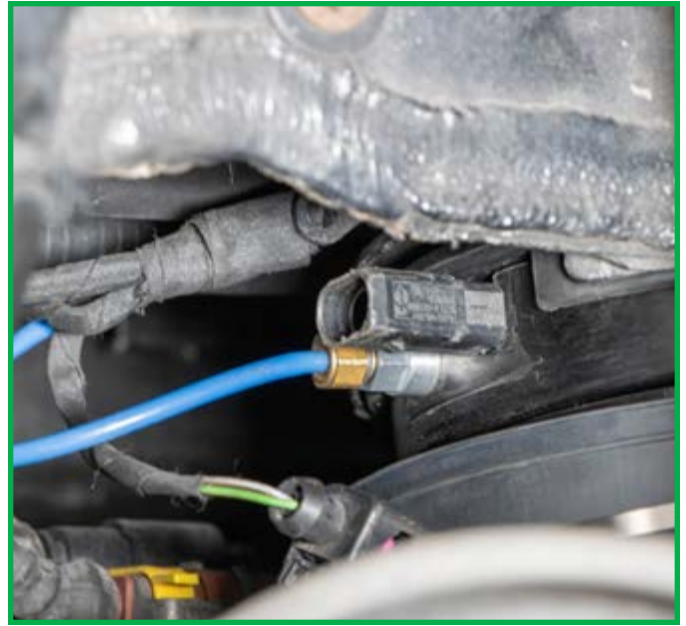
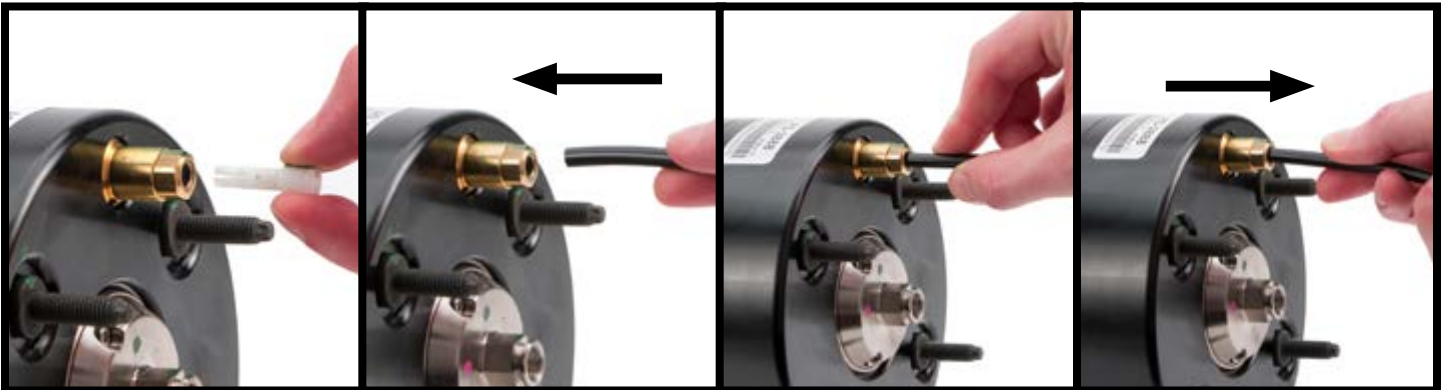


FIGURE 27

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 28

8. Connect the electrical connection at the top of the air spring. (Figure 29)



FIGURE 29

9. Start the vehicle and ensure the air spring is properly seated as it airs up.
10. Reinstall the wheel.
11. Lower the vehicle until the wheels touch the ground. Ensure the air spring is properly seated. Then, lower the vehicle completely.
12. Installation is complete.

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

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