

Installation Manual

AS-3166
ARNOTT
NEW REAR RIGHT AIR STRUT
2011-2018 PORSCHE CAYENNE (92A)



Congratulations on your purchase of an Arnott® air suspension product. We at Arnott Incorporated are proud to offer a high quality product at the industry's most competitive pricing. 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, ASE Certified, 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.

"Engineered to Ride, Built to Last®"



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.

Arnott® is committed to the quality of its products. If you have a question or problem with any Arnott product, please contact Arnott by calling 800-251-8993 during normal business hours or email techassistance@arnottinc.com. (In the EU please call +31 (0)73 7850 580 or email info@arnotteurope.com)

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.

- Not to be stored below 5°F (-15°C) or 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.



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. OPEN REAR CARGO HATCH AND REMOVE APPLICABLE SIDE PANELING. (FIGURES 1, 2, 3, 4)



FIGURE 1



FIGURE 2



FIGURE 3



FIGURE 4

2. PER MANUFACTURER'S SPECIFICATIONS FOR THE CLOSED LOOP AIR SYSTEM, BLEED THE RIGHT SIDE AIR SPRING.

3. RAISE THE VEHICLE AND REMOVE THE REAR RIGHT WHEEL. (FIGURE 5)



FIGURE 5

4. REMOVE THE AIR LINE. (FIGURE 6)

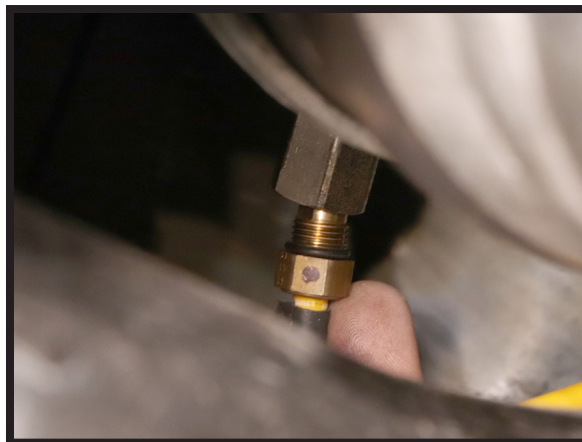


FIGURE 6

5. DISCONNECT THE ELECTRICAL CONNECTION TO THE STRUT. (FIGURE 7)



FIGURE 7

6. REMOVE THE BOTTOM MOUNT BOLT. (FIGURES 8, 9)

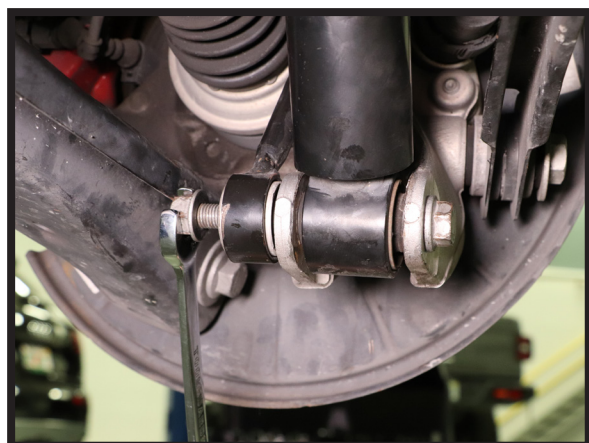


FIGURE 8



FIGURE 9

7. REMOVE THE BOTTOM MOUNT OF THE STRUT FROM THE WHEEL CARRIER. (FIGURE 10)



FIGURE 10

8. REMOVE THE FOUR (4) TOP MOUNT SCREWS. NOTE THE POSITIONS OF THE DIFFERENT LENGTH SCREWS FOR INSTALLATION. IT MAY BE NECESSARY TO USE A HYDRAULIC JACK FOR ASSISTANCE. (FIGURES 11, 12, 13, 14)



FIGURE 11



FIGURE 12

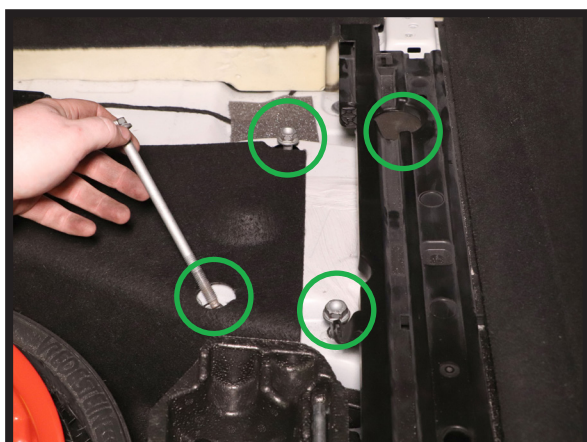


FIGURE 13



FIGURE 14

9. REMOVE THE STRUT FROM THE VEHICLE. (FIGURES 15, 16)



FIGURE 15



FIGURE 16

10. REMOVAL COMPLETE.

AIR STRUT INSTALLATION



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

1. PREPARE THE NEW STRUT BY REMOVING THE SHIPPING PLUG FROM THE CHECK VALVE. (FIGURE 17)



FIGURE 17

2. RAISE THE NEW STRUT INTO POSITION TO INSTALL ON VEHICLE. (FIGURE 18)



FIGURE 18

3. USE A HYDRAULIC JACK OR STAND FOR ASSISTANCE IN INSERTING THE LOWER MOUNT BOLT. (FIGURES 19, 20)

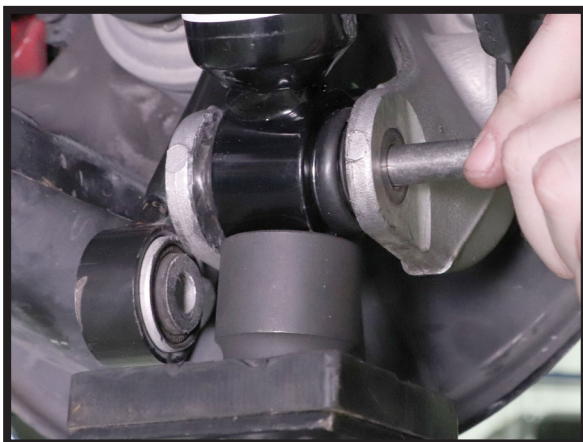


FIGURE 19



FIGURE 20

4. INSTALL THE FOUR (4) TOP MOUNT SCREWS AND TIGHTEN UNTIL LIGHTLY SNUG. (FIGURES 21, 22)

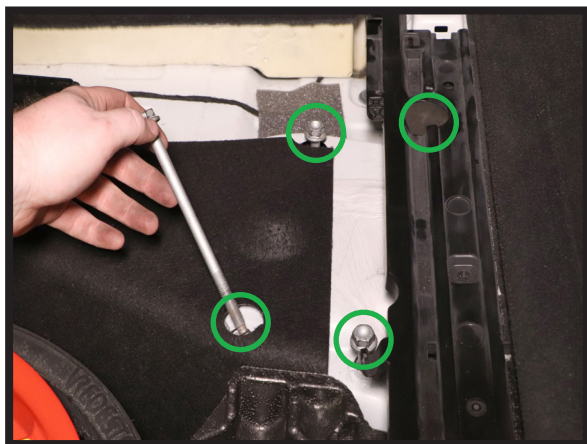


FIGURE 21



FIGURE 22

5. TIGHTEN THE LOWER MOUNT BOLT TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 23)

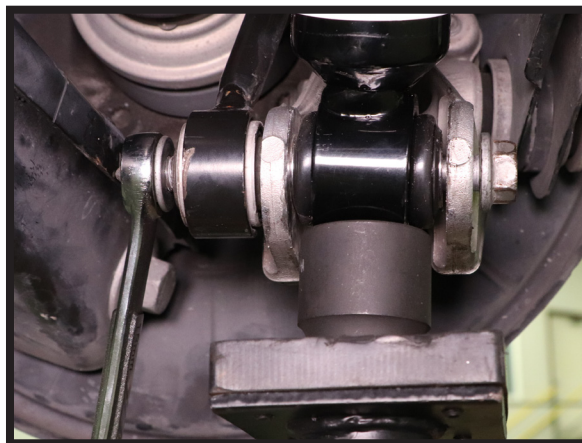


FIGURE 23

6. REFERTO THE PROVIDED AIR LINE TSB FOR THE AIR LINE INSTALLATION PROCESS.
7. CONNECT THE ELECTRICAL CONNECTION TO THE NEW AIR STRUT. (FIGURE 24)



FIGURE 24

8. INFLATE THE VEHICLE AIR SPRING PER MANUFACTURER'S SPECIFICATIONS, FOLLOWING THE PROCEDURES FOR CHARGING THE CLOSED LOOP AIR SYSTEM.
9. REINSTALL THE WHEEL.
10. LOWER THE VEHICLE TO ACCESS THE TOP MOUNT SCREWS, AND TIGHTEN THEM TO MANUFACTURER'S SPECIFICATIONS.
11. LOWER THE VEHICLE COMPLETELY.
12. REINSTALL THE REAR CARGO PANELING.
13. INSTALLATION COMPLETE.