

# Installation Manual

AS-3374  
ARNOTT  
REMANUFACTURED REAR RIGHT AIR STRUT  
2016-2018 BMW 7 SERIES (G11/G12)  
W/AWD OR RWD



Congratulations on your purchase of an Arnett® air suspension product. We at Arnett 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.*

Arnett® is committed to the quality of its products. If you have a question or problem with any Arnett product, please contact Arnett by calling [800-251-8993](tel:800-251-8993) during normal business hours or email [techassistance@arnottinc.com](mailto:techassistance@arnottinc.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](http://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.*

## AIR STRUT REMOVAL

1. RAISE VEHICLE.
2. REMOVE REAR RIGHT WHEEL. (FIGURE 1)



FIGURE 1

3. DISCONNECT THE AIR LINE FROM THE STRUT. (FIGURES 2, 3)



FIGURE 2



FIGURE 3

4. DISCONNECT AND UNROUTE THE TWO (2) ELECTRICAL CONNECTIONS TO THE STRUT. (FIGURE 4)



FIGURE 4

5. REMOVE THE DEBRIS GUARD UNDER THE WHEEL CARRIER ASSEMBLY. (FIGURES 5, 6)

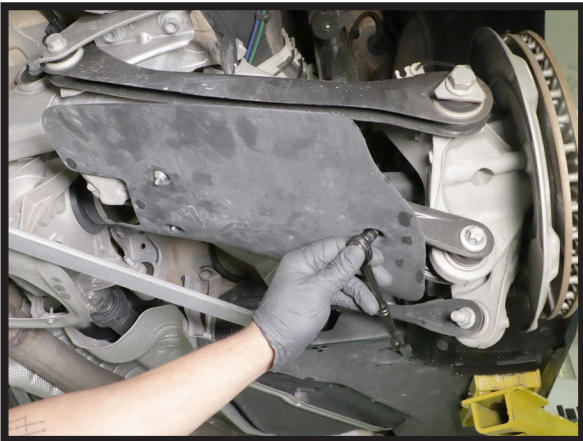


FIGURE 5



FIGURE 6

6. REMOVE THE BOTTOM STRUT MOUNT BOLT. (FIGURE 7)

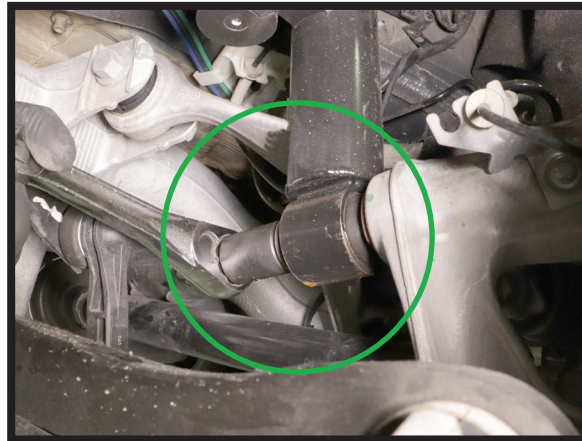


FIGURE 7

7. DISASSEMBLE THE BACK SEAT AND THE REAR SPEAKER PANEL TO REVEAL THE STRUT TOP MOUNT. (FIGURES 8, 9)



FIGURE 8



FIGURE 9

8. REMOVE THE THREE (3) TOP MOUNT NUTS. (FIGURES 10, 11, 12, 13)



FIGURE 10



FIGURE 11

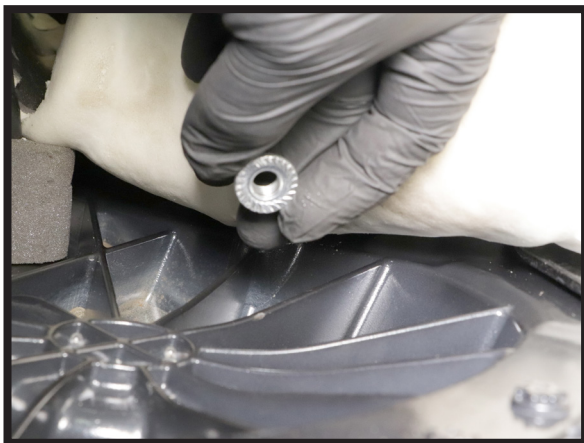


FIGURE 12

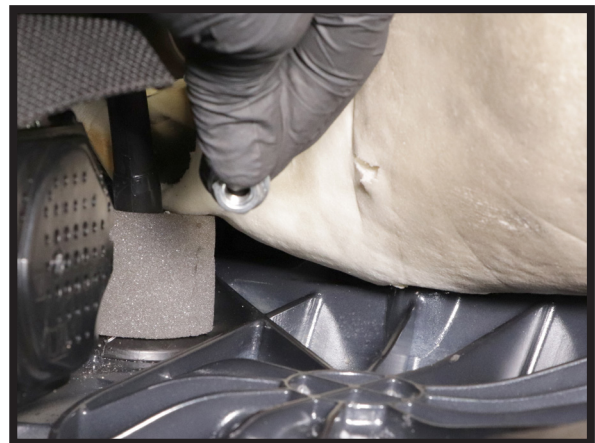


FIGURE 13

9. REMOVE THE OLD STRUT FROM THE VEHICLE. (FIGURE 14)



FIGURE 14

10. REMOVAL COMPLETE.

## AIR STRUT INSTALLATION



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

1. PREP THE NEW AIR STRUT FOR INSTALLATION BY REMOVING THE SILVER THREADED SHIPPING PLUG, INSTALLING THE PROVIDED VOSS FITTING, AND REMOVING THE WHITE SHIPPING PIN. (FIGURES 15, 16, 17, 18)



FIGURE 15



FIGURE 16



FIGURE 17

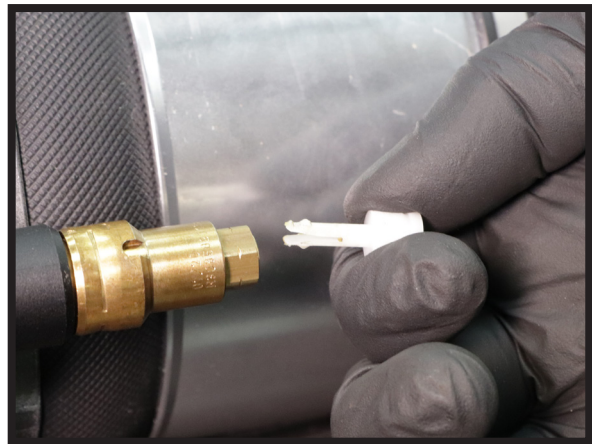


FIGURE 18

2. INSTALL THE NEW ARNOTT STRUT ONTO THE VEHICLE. (FIGURE 19)

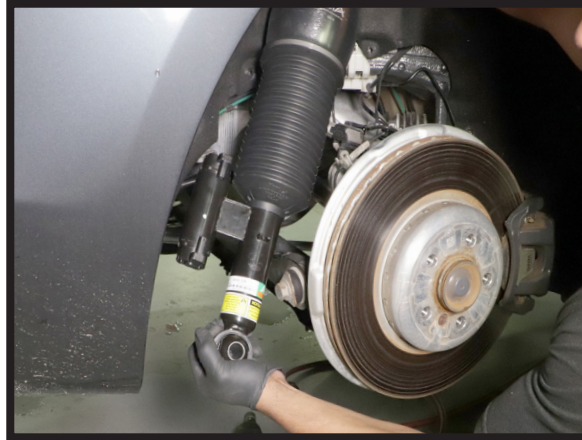


FIGURE 19

3. INSTALL THE THREE (3) TOP MOUNT NUTS. TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURES 20, 21, 22, 23)

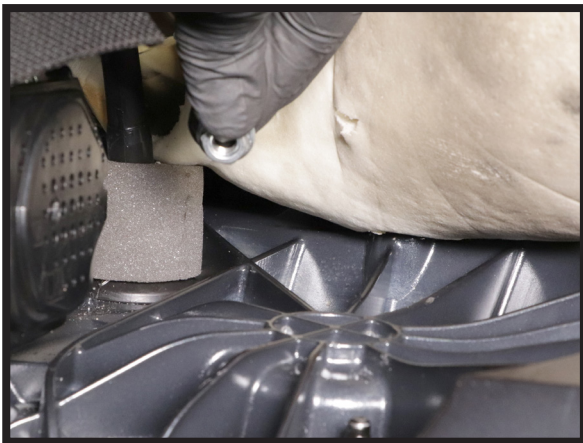


FIGURE 20



FIGURE 21



FIGURE 22



FIGURE 23



4. INSTALL THE BOTTOM STRUT MOUNT BOLT. TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURES 24, 25)



FIGURE 24



FIGURE 25

5. REINSTALL THE DEBRIS SHIELD UNDER THE WHEEL CARRIER ASSEMBLY. (FIGURES 26, 27)



FIGURE 26



FIGURE 27

6. CONNECT THE TWO (2) ELECTRICAL CONNECTIONS TO THE NEW STRUT. (FIGURES 28, 29)



FIGURE 28



FIGURE 29

7. PREPARE AIR LINE BY REMOVING OLD VOSS FITTING USING THE FIGURE BELOW AS AN EXAMPLE. (FIGURE 30)

## REMOVAL



*Prior to inserting the existing air line into the new air fitting you will need to remove the old original equipment air line fitting.*

**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.

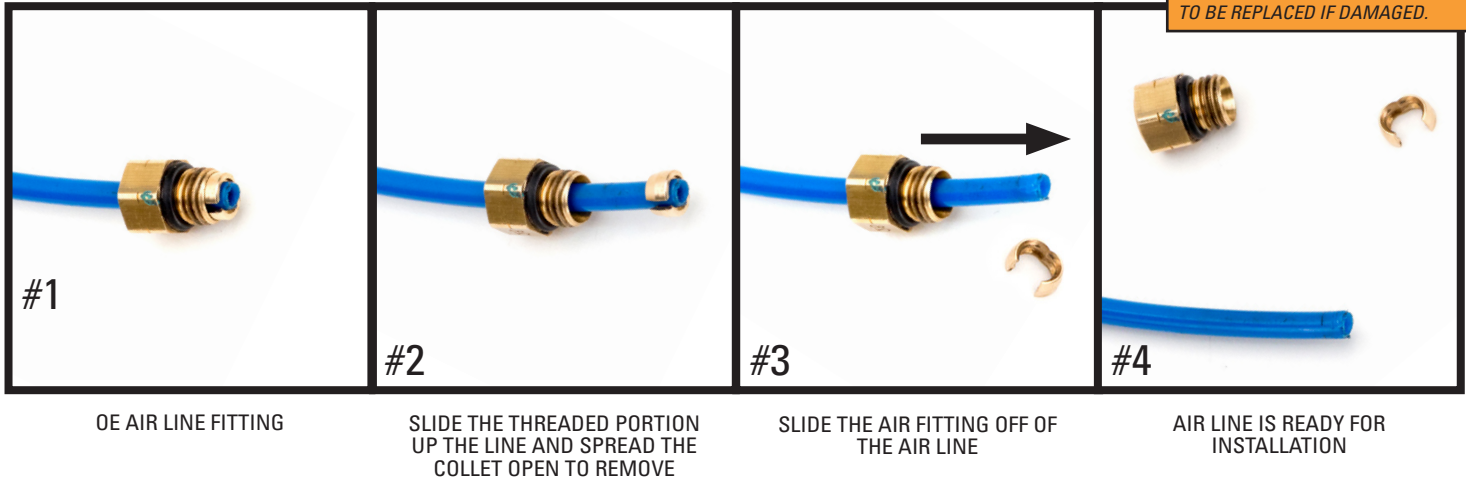


FIGURE 30

8. INSERT AIR LINE INTO STRUT VOSS FITTING. PRESS AIR LINE IN FIRMLY UNTIL IT IS SEATED.  
(FIGURE 31)



FIGURE 31

9. REASSEMBLE THE BACK SEAT AND SPEAKER PANELING.
10. REINSTALL THE WHEEL.
11. LOWER THE VEHICLE.
12. INSTALLATION COMPLETE.