



INSTALLATION MANUAL

AS-3407

Arnott New Rear Left Air Strut
BMW 7 Series (G11/G12 Chassis, w/AWD or RWD)



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.

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)

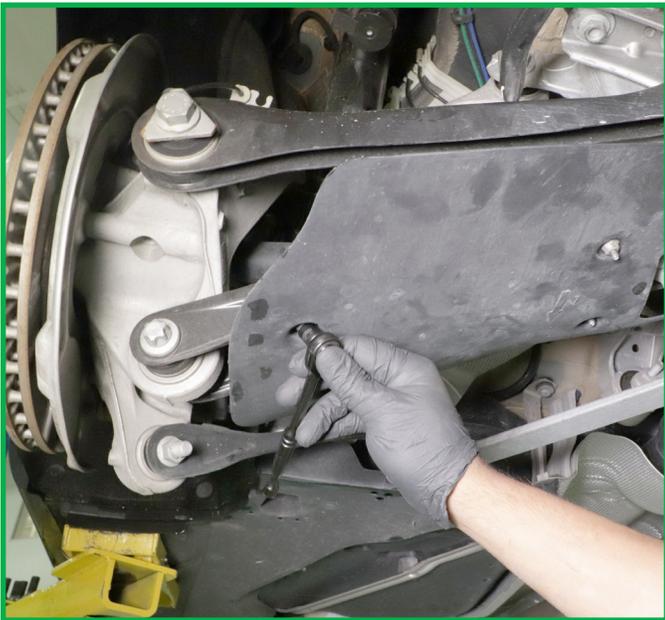


FIGURE 5



FIGURE 6

6. Remove the bottom strut mount bolt. (Figure 7)

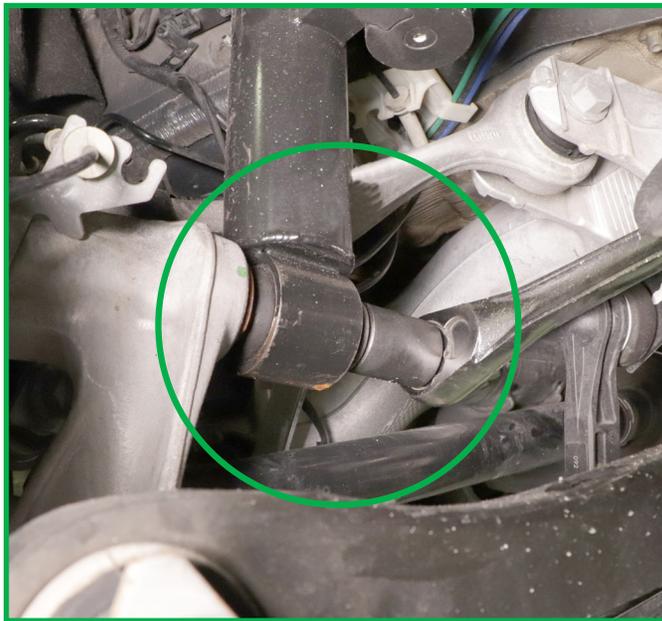


FIGURE 7

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



WARNING:

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 18, 19, 20, 21)

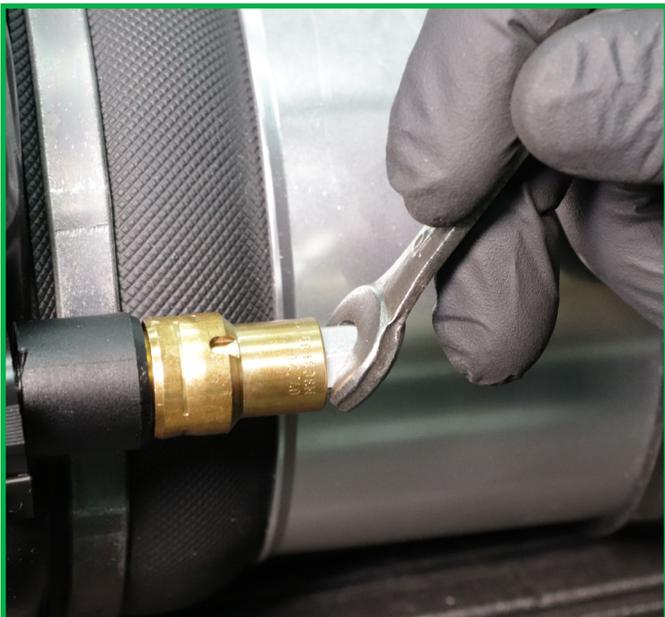


FIGURE 15

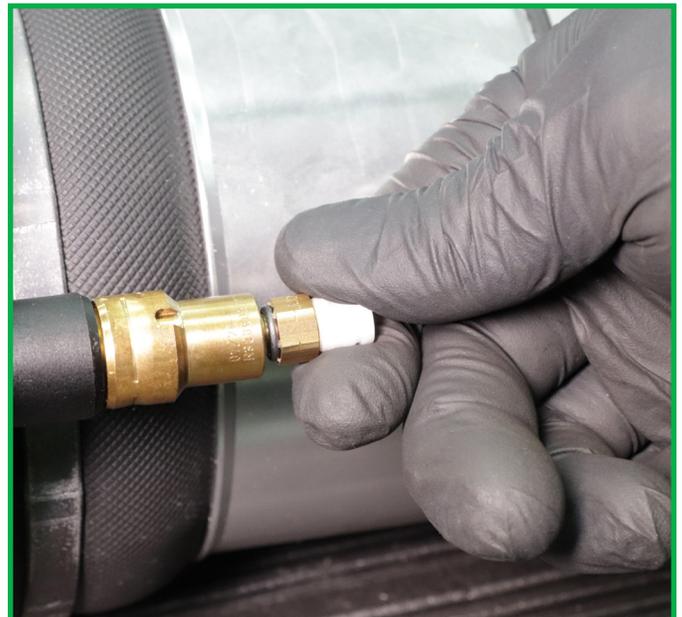


FIGURE 16

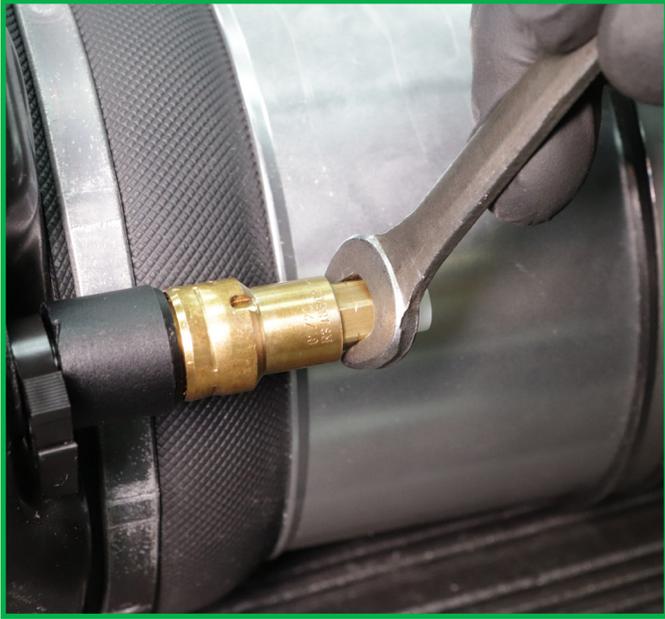


FIGURE 17

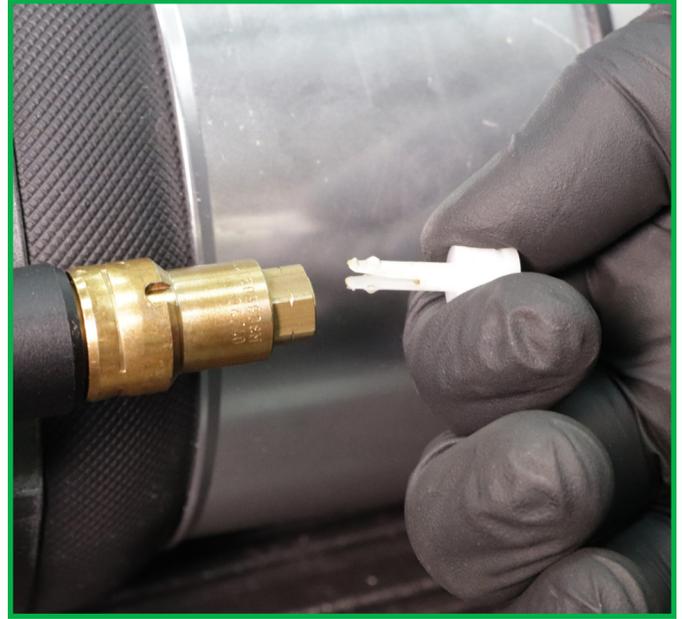


FIGURE 18

2. Install the new Arnott strut on to the vehicle. (Figure 19)

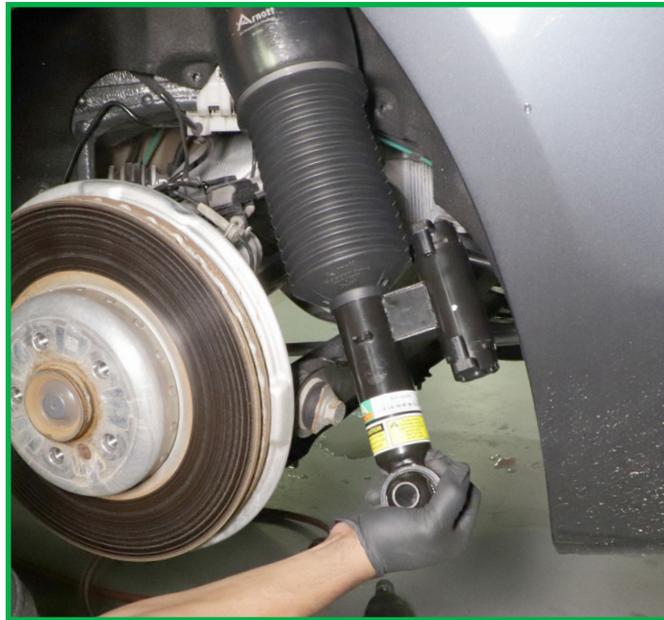


FIGURE 19

3. Install the three (3) top mount nuts. Tighten to manufacturer's specifications. (Figures 20, 21, 22, 23)

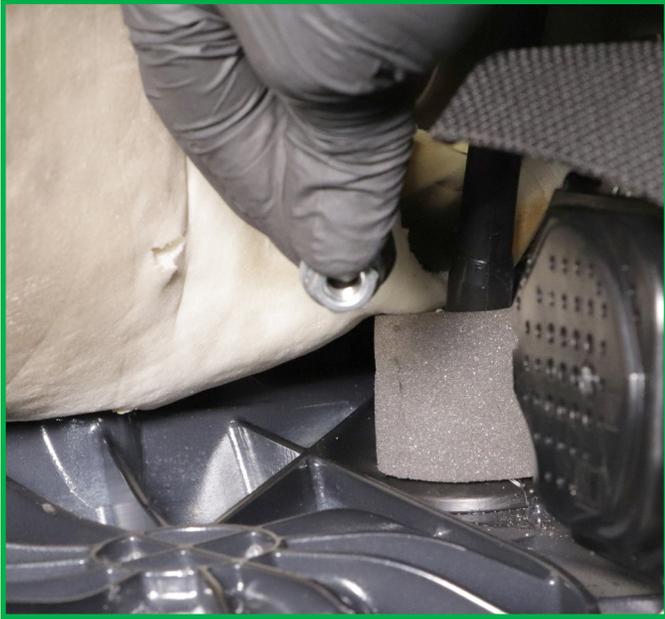


FIGURE 20



FIGURE 21



FIGURE 22



FIGURE 23

4. Install the bottom strut mount bolt. Tighten to manufacturer's specifications. (Figures 24, 25)

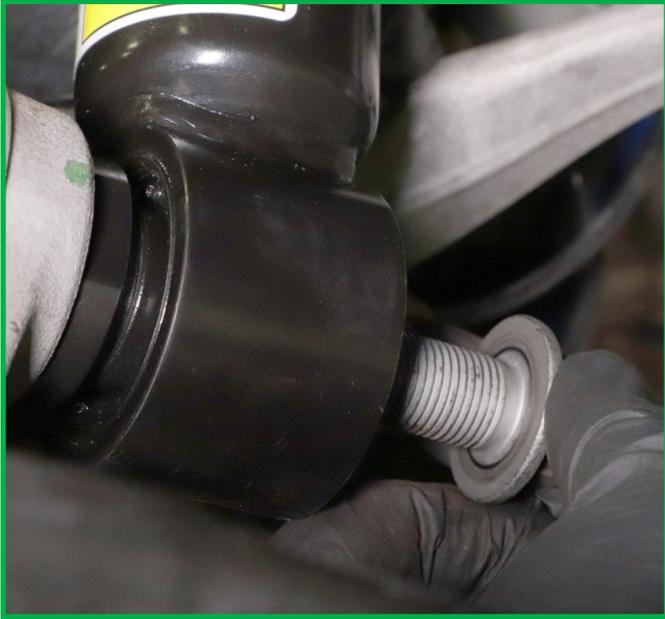


FIGURE 24

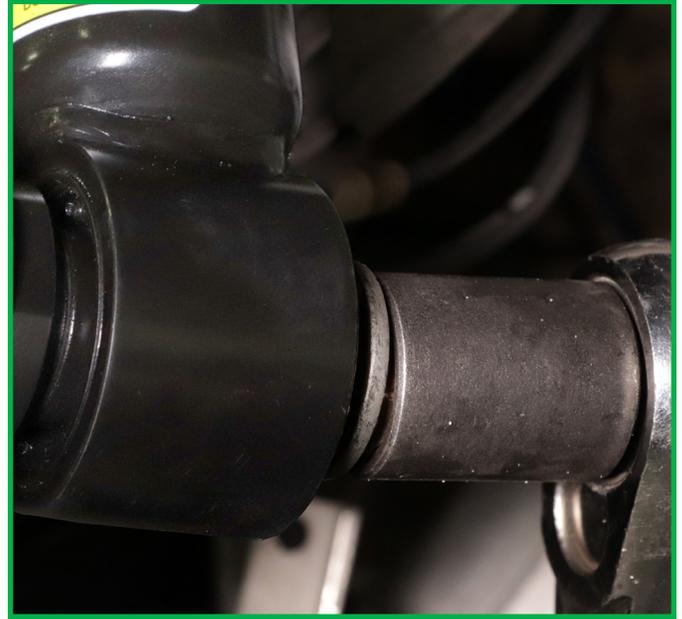


FIGURE 25

5. Reinstall the debris shield under the wheel carrier assembly. (Figures 26, 27)



FIGURE 26

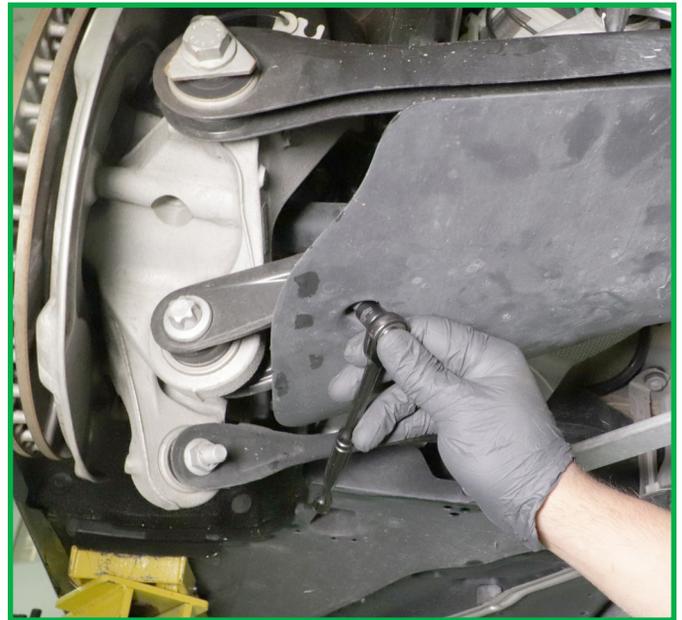


FIGURE 27

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)

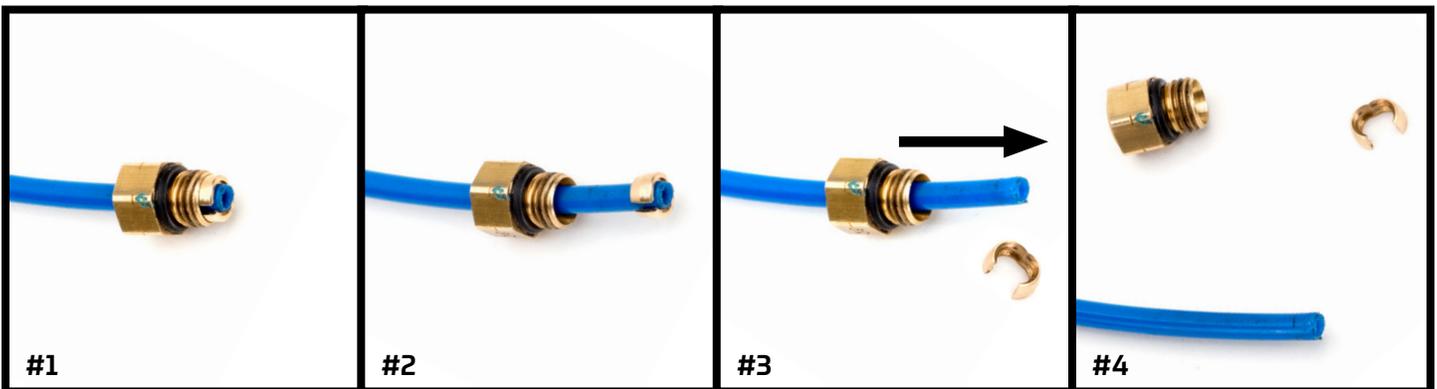
REMOVAL



Prior to inserting the existing air line into the new air 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.



#1 OE AIR LINE FITTING

#2 SLIDE THE THREADED PORTION UP THE LINE AND SPREAD THE COLLET OPEN TO REMOVE

#3 SLIDE THE AIR FITTING OFF OF THE AIR LINE

#4 DISCARD OE AIR LINE FITTING

FIGURE 30

8. Insert air line into strut VOSS fitting. Press air line in firmly until it is seated. (Figure 31)

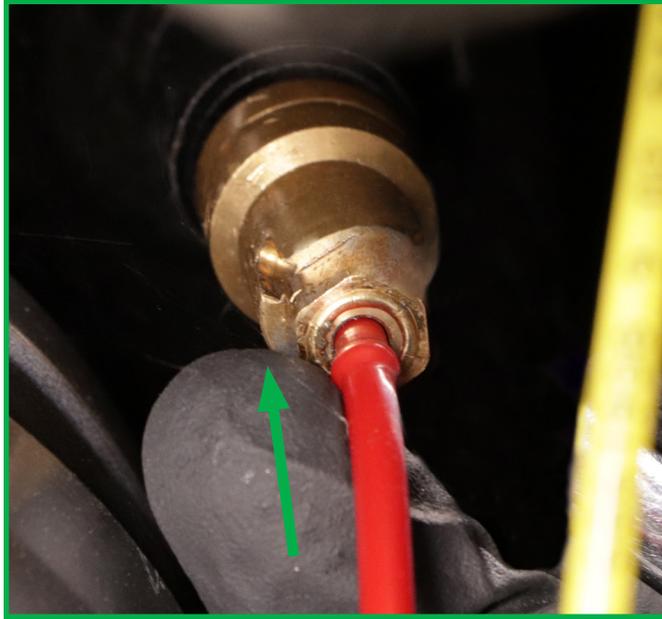


FIGURE 31

9. Reassemble the back seat and speaker paneling.
10. Reinstall the wheel.
11. Lower the vehicle.
12. Installation complete.

Arnott™

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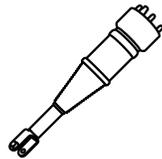
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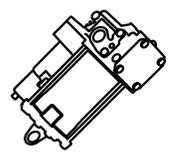
Air Springs



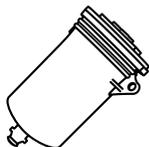
Struts



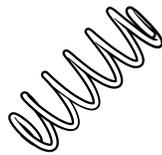
Shocks



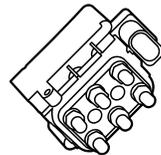
Compressors



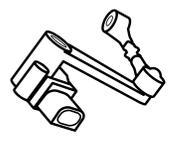
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors