

# INSTALLATION MANUAL

AS-3338

Arnott New Front Left Air Strut  
Mercedes-Benz C-Class (W205)  
w/AIRM, w/4MATIC



Engineered to Ride, Built to Last®

# CONGRATULATIONS ON YOUR PURCHASE OF AN ARNOTT® AIR 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](http://www.arnottinc.com) and [www.arnotteurope.com](http://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.

## FRONT AIR STRUT REMOVAL

1. Raise vehicle and remove the front left wheel. (Figure 1)

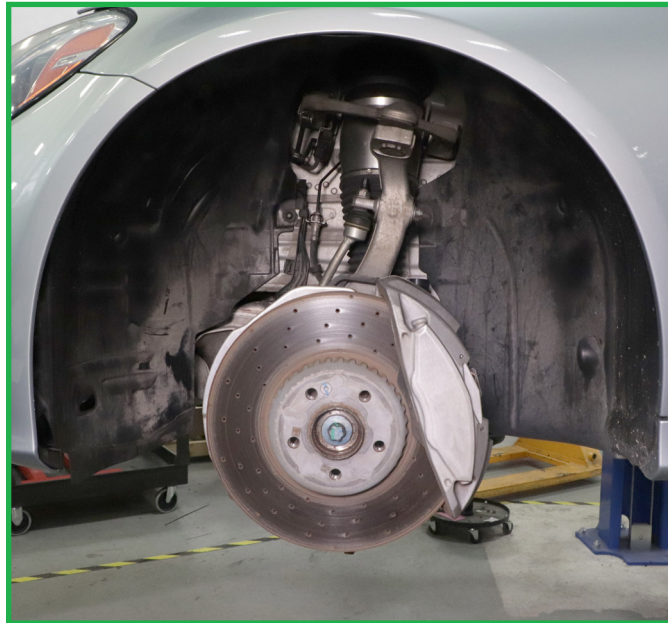


FIGURE 1

2. Deflate the vehicle air suspension system per manufacturer's specifications. Disconnect the air line from the strut. (Figure 2)



FIGURE 2



3. Disconnect and unrout the electrical connections to the strut. (Figures 3, 4)

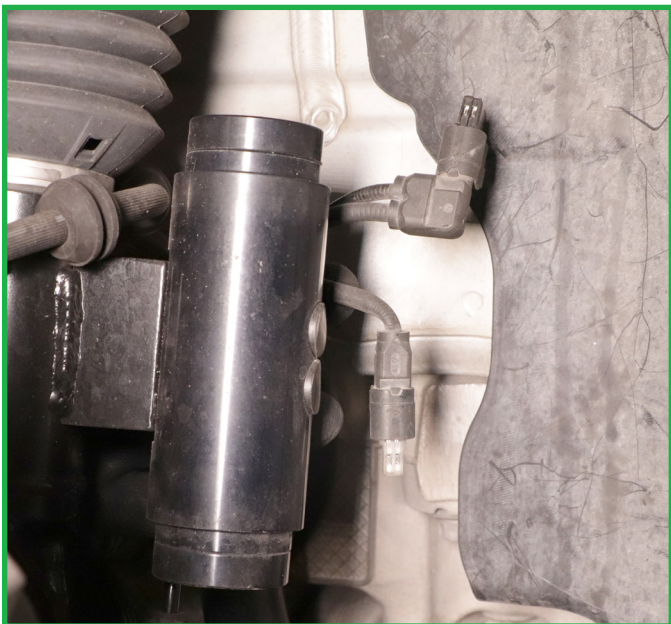


FIGURE 3



FIGURE 4

4. Remove the sway bar end link nut and washer and disconnect the sway bar end link. (Figures 5, 6, 7)



FIGURE 5



FIGURE 6

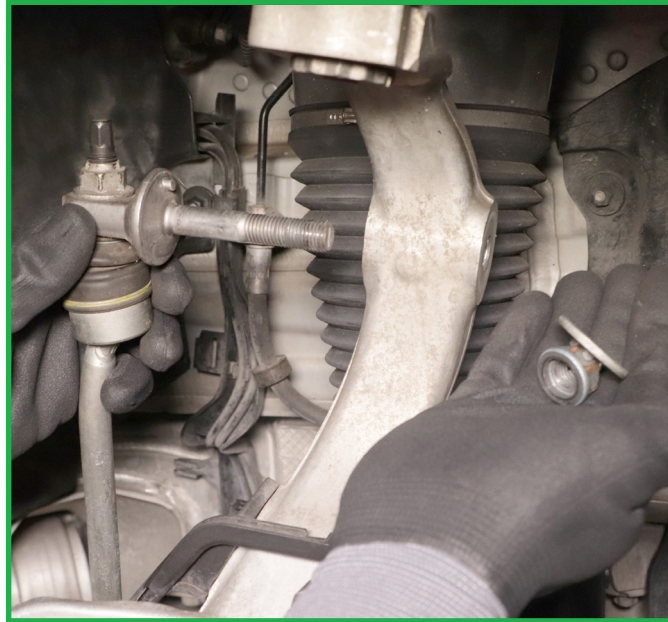


FIGURE 7

5. Remove the strut's lower fork mount bolt and nut. (Figures 8, 9)



FIGURE 8



FIGURE 9



6. Remove the three (3) strut top mount nuts. (Figures 10, 11)

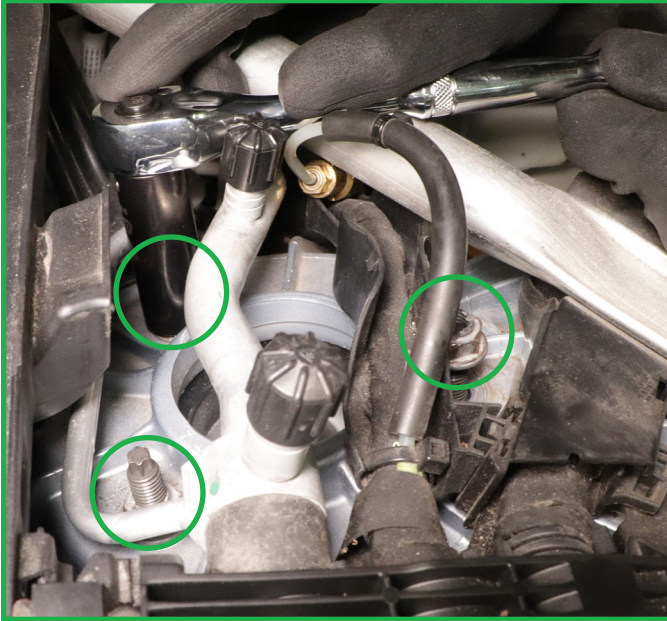


FIGURE 10

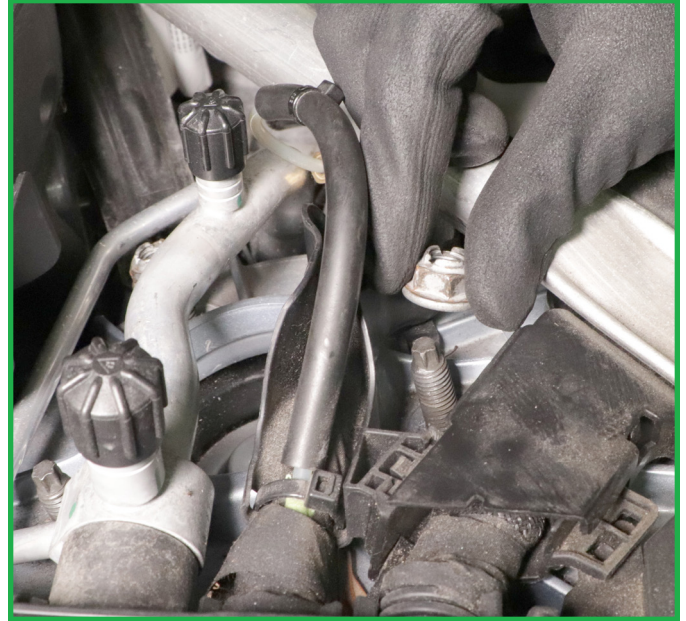


FIGURE 11

7. Remove the air strut from the vehicle. (Figure 12)



FIGURE 12

8. Removal complete.

## FRONT AIR STRUT INSTALLATION



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

1. Install the new air strut on the vehicle. (Figure 13)

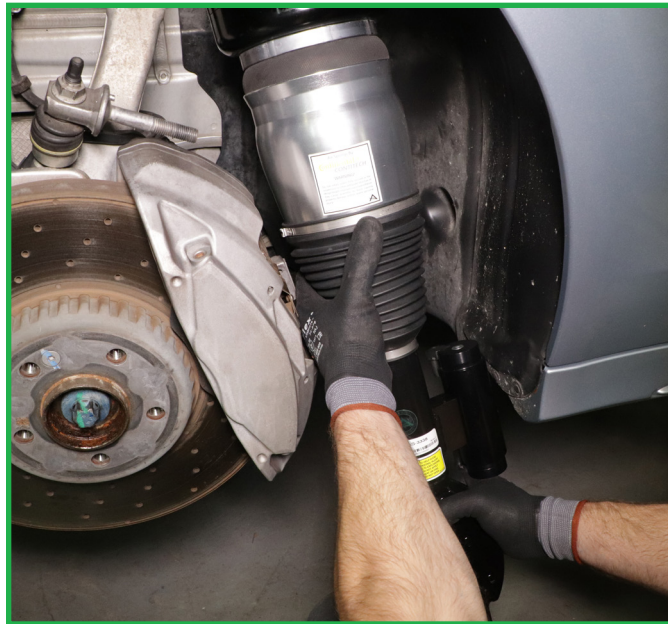


FIGURE 13



2. Install the three (3) provided top mount nuts. Tighten to manufacturer's specifications. (Figures 14, 15)



FIGURE 14

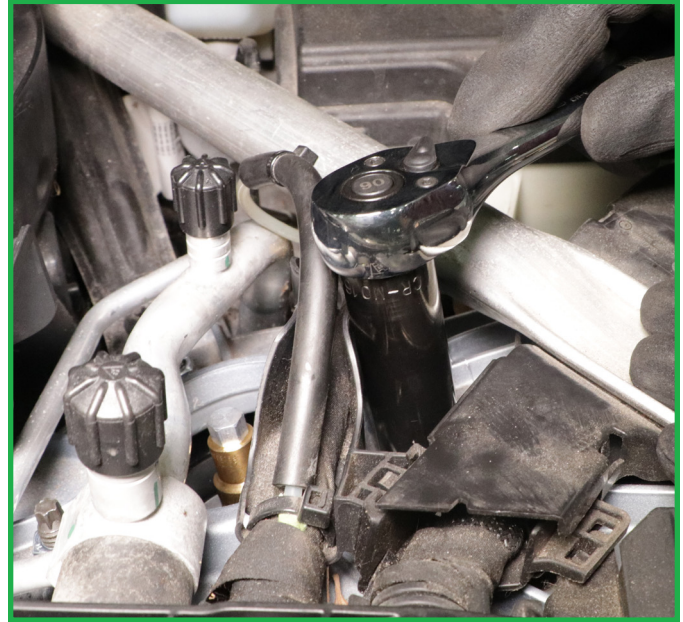


FIGURE 15

3. Reinstall the strut's lower fork mount bolt and nut. Tighten to manufacturer's specifications. (Figure 16)



FIGURE 16



4. Reconnect the sway bar end link and reinstall the sway bar end link washer and nut. Tighten to manufacturer's specifications. (Figures 17, 18, 19)

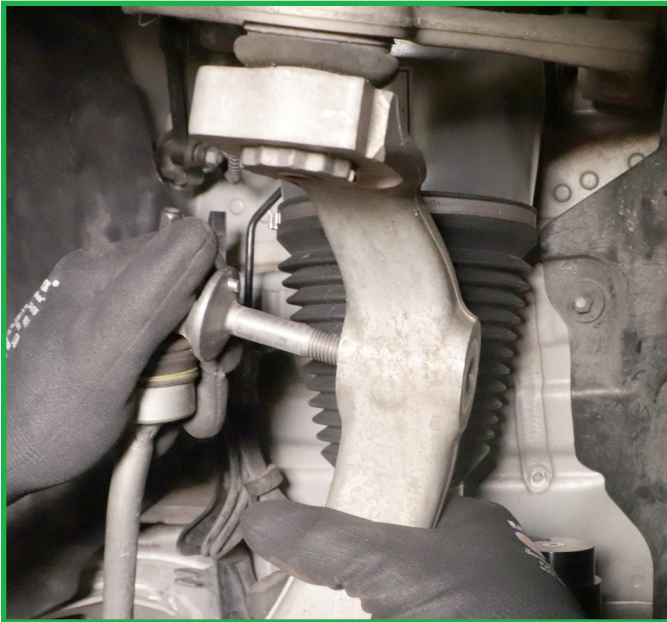


FIGURE 17

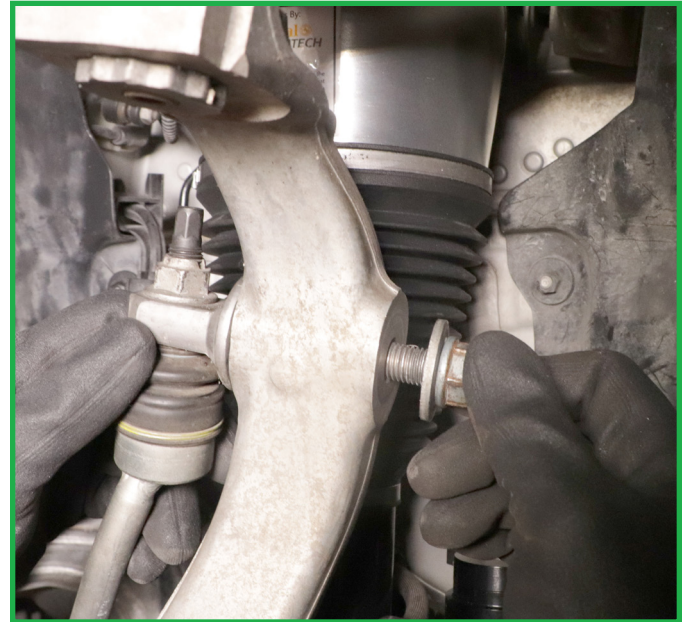


FIGURE 18



FIGURE 19

5. Route and connect the electrical connections to the strut. Make sure all wires are secure and away from sources of friction and heat. (Figures 20, 21)

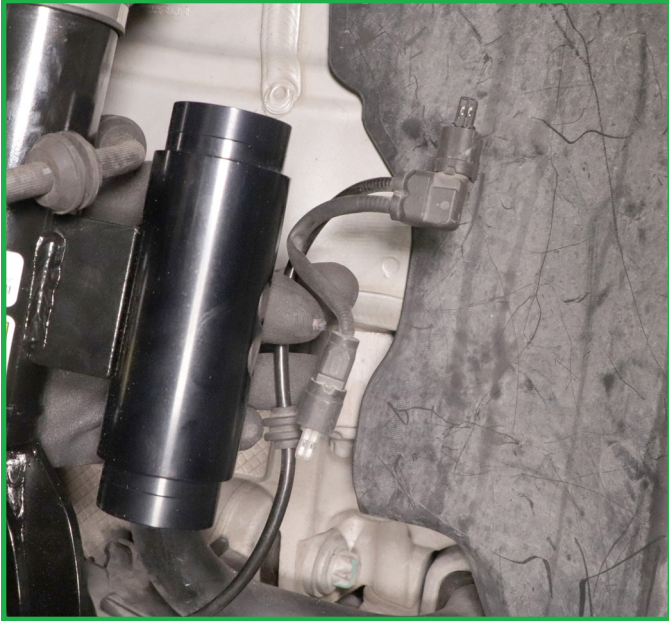


FIGURE 20

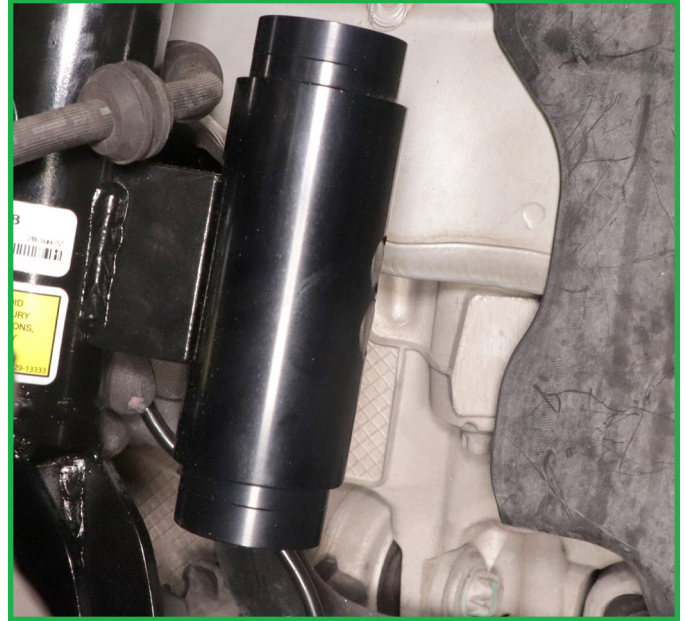


FIGURE 21

6. Remove the threaded shipping plug from the air valve on the strut. (Figure 22)

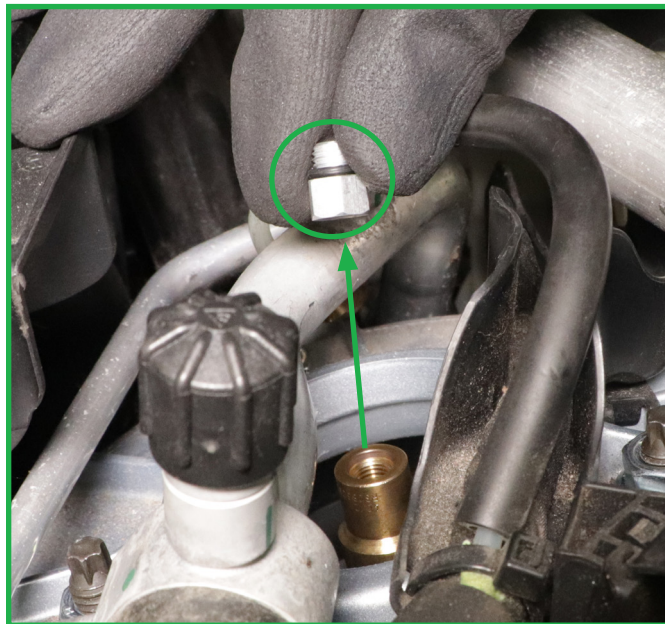


FIGURE 22



7. Install the provided air fitting on to the air valve of the strut and remove the shipping pin. (Figures 23, 24)

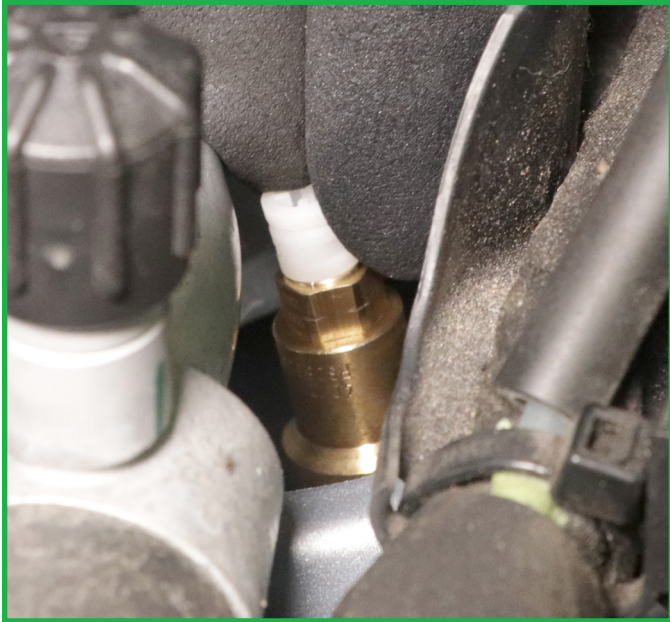


FIGURE 23



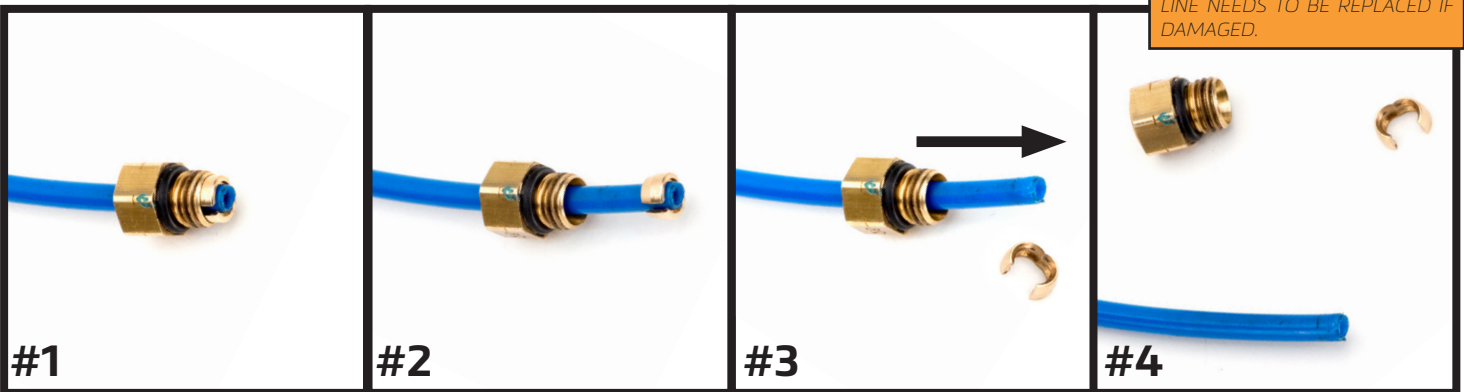
FIGURE 24

**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



8. Insert the air line in to the air fitting until it is fully seated. (Figure 25)

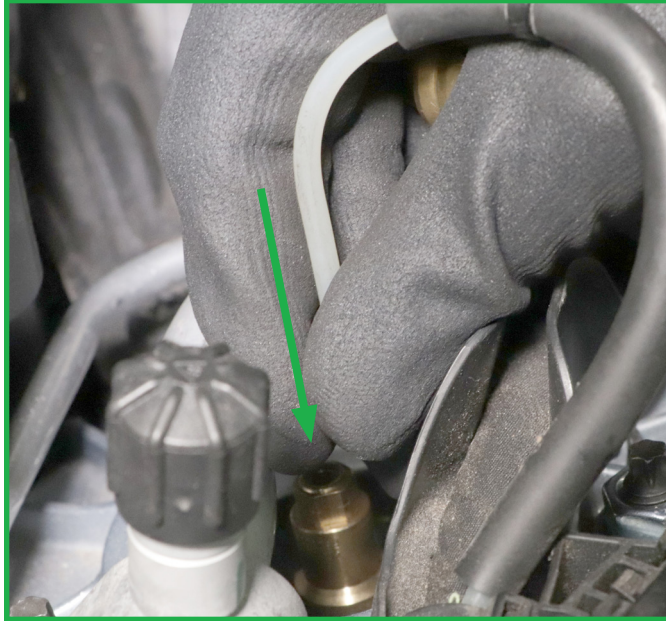


FIGURE 25

9. Inflate vehicle air suspension system per manufacturer's specifications.
10. Reinstall the wheel and lower the vehicle.
11. Installation complete.

# Arnott®

Air Suspension Products

## Arnott US Business Office:

[www.arnottinc.com](http://www.arnottinc.com)

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**Email:** [techassistance@arnottinc.com](mailto:techassistance@arnottinc.com)

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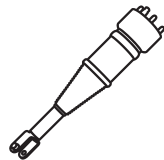
**ES Phone:** +34 91 901 10 56

**FR Phone:** +33 18 626 72 41

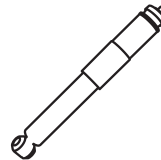
**Email:** [info@arnotteurope.com](mailto:info@arnotteurope.com)



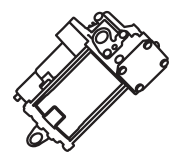
**Air Springs**



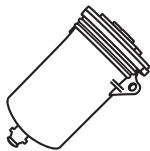
**Struts**



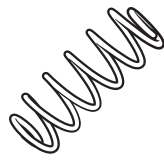
**Shocks**



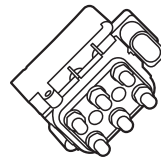
**Compressors**



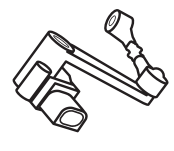
**Dryers**



**Coil Spring  
Conversion Kits**



**Valve Blocks**



**Ride Height  
Sensors**