



INSTALLATION MANUAL

AS-5087

Arnott Remanufactured Front Left Air Strut
18-22 Mercedes-Benz C-Class (W205 w/AIRMATIC,
w/o 4MATIC, Incl. AMG)



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.

AIR STRUT REMOVAL

1. Raise the vehicle and remove the applicable wheel. (FIGURE 1)



FIGURE 1

2. Deflate the vehicle air suspension system per manufacturer's specifications. Remove the engine bay trim panel from the applicable side. (FIGURE 2)



FIGURE 2

3. Disconnect the air line from the strut. (FIGURES 3, 4)



FIGURE 3

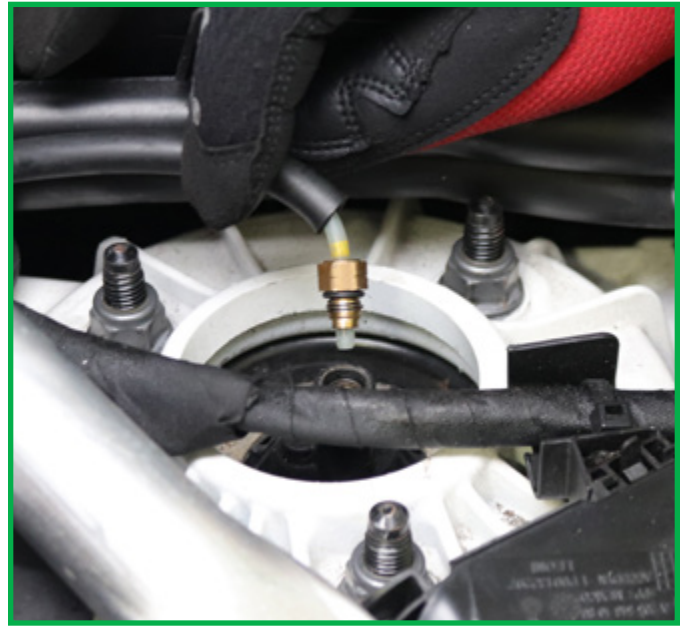


FIGURE 4

4. Disconnect and un-route the wiring harness from the strut's solenoid. (FIGURES 5, 6)



FIGURE 5

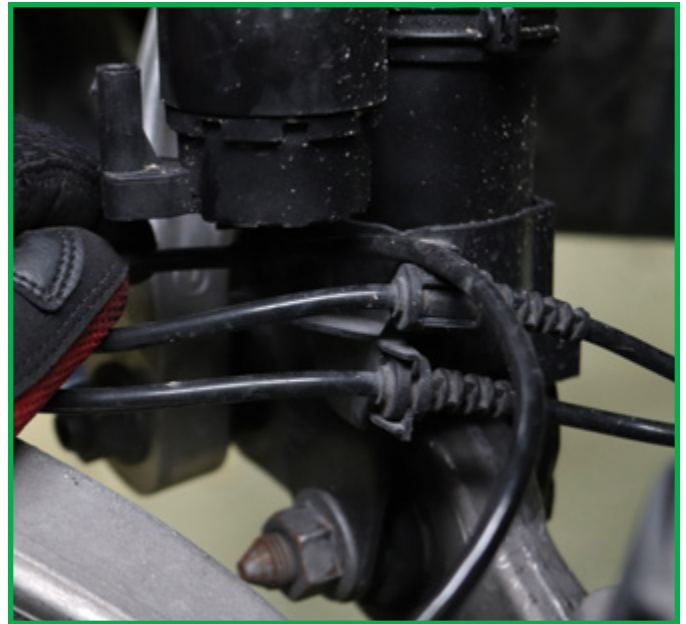


FIGURE 6

5. Un-route the brake line from the bracket on the strut. (FIGURES 7, 8)



FIGURE 7

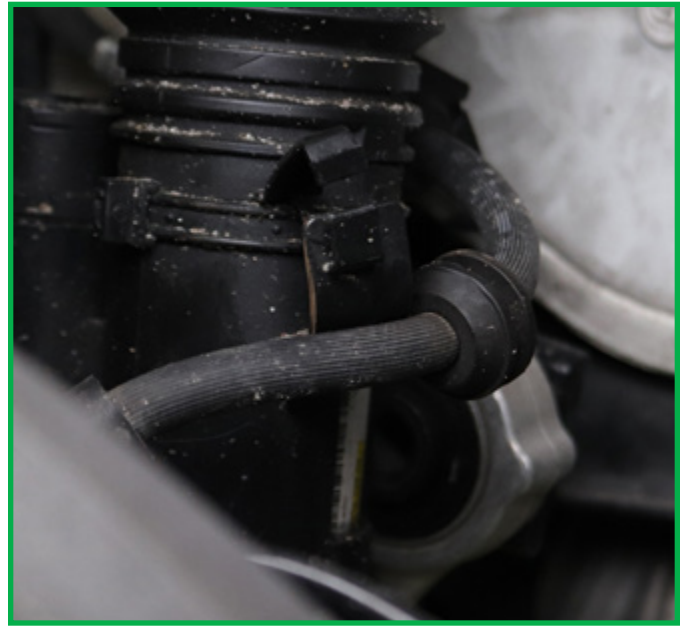


FIGURE 8

6. Remove the nut and bolt from the strut's lower mount. (FIGURES 9, 10)



FIGURE 9



FIGURE 10

7. Remove the three (3) nuts from the strut's upper mount. (FIGURES 11, 12)

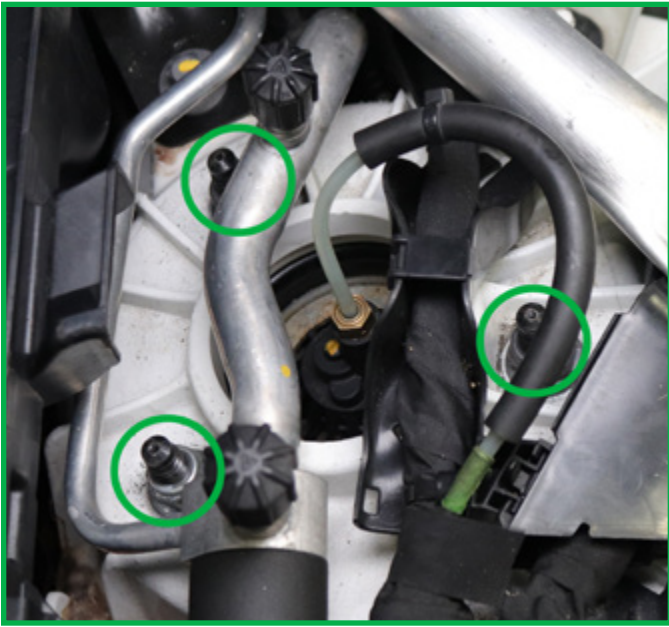


FIGURE 11



FIGURE 12

8. Pull down on the wheel hub and remove the strut. (FIGURE 13)



FIGURE 13

9. Removal complete.

AIR STRUT INSTALLATION

1. Remove the brake line and wire harness brackets from the OEM strut. Install the brackets onto the new strut. (FIGURES 14, 15)



FIGURE 14



FIGURE 15

2. Remove the shipping plug from the air valve. (FIGURES 16, 17)



FIGURE 16



FIGURE 17

3. Install the new VOSS fitting included with the strut. Tighten the fitting to 2 NM. (FIGURES 18, 19)



FIGURE 18

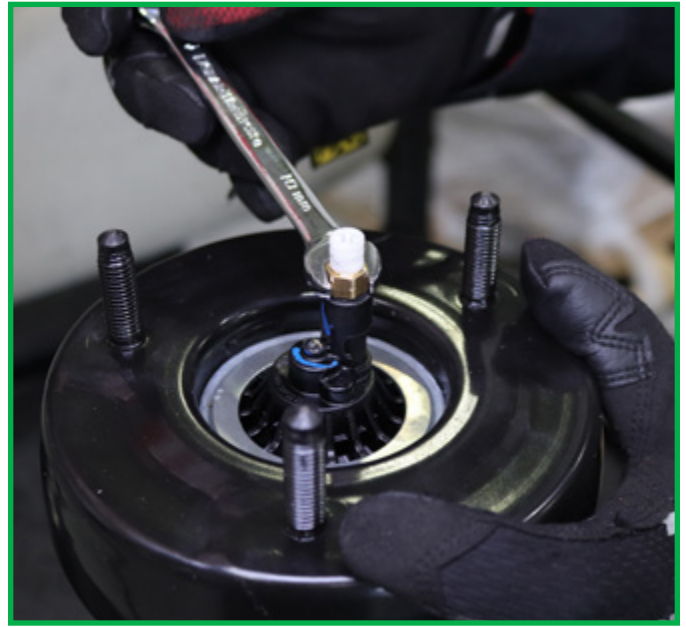


FIGURE 19

4. Install the new strut into the vehicle. (FIGURE 20)



FIGURE 20

5. Install the lower mount nut and bolt. Tighten to manufacturer's specifications. (FIGURES 21, 22)



FIGURE 21

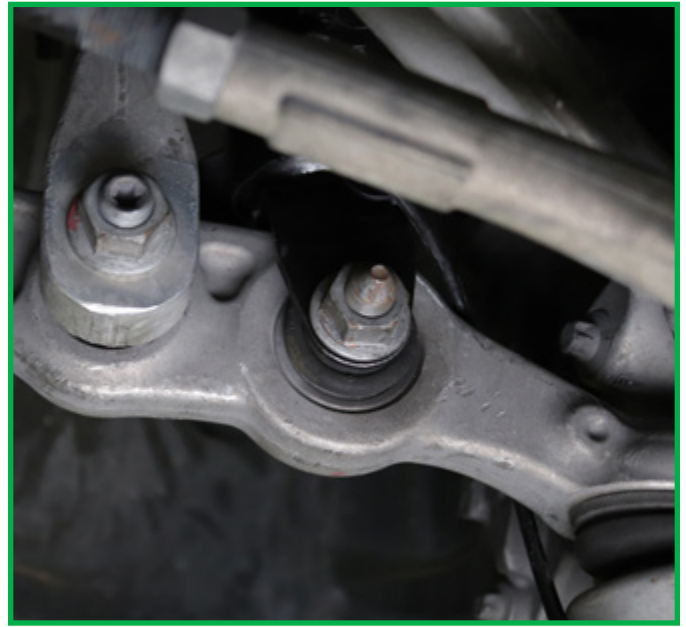


FIGURE 22

6. Install the three (3) included upper mount nuts. Tighten to manufacturer's specifications. (FIGURES 23, 24)



FIGURE 23

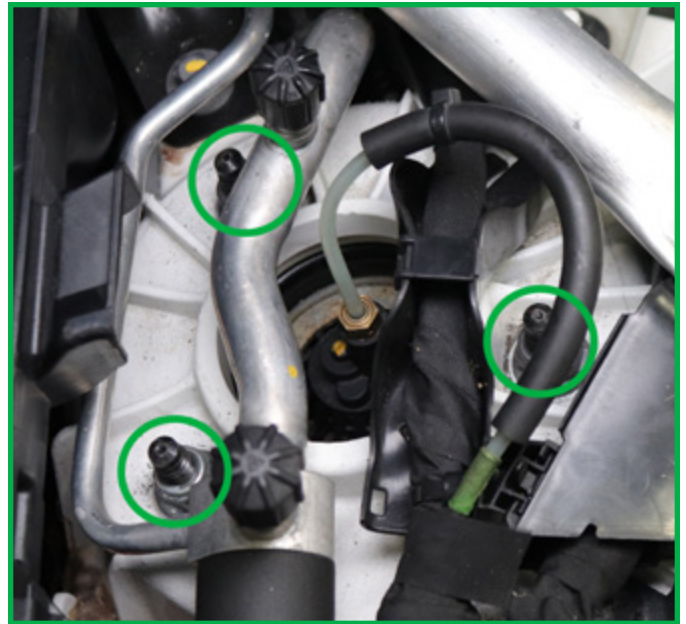


FIGURE 24

7. Route the brake line into the bracket on the strut. (FIGURES 25, 26)

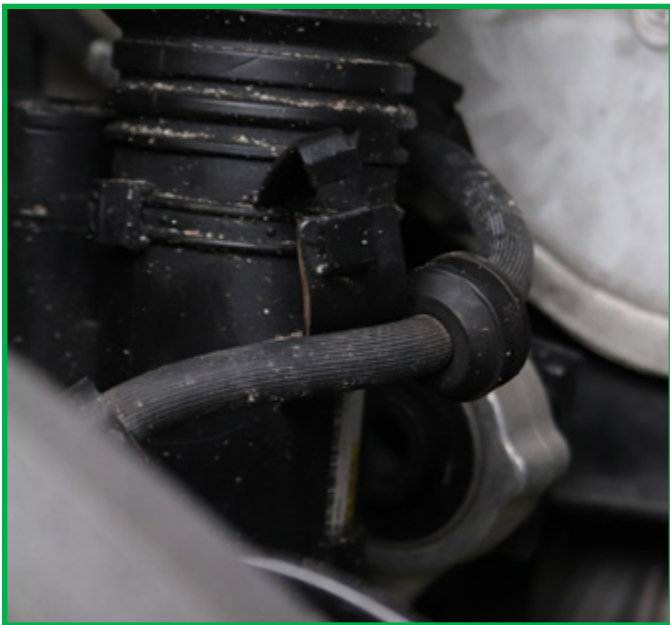


FIGURE 25



FIGURE 26

8. Route the wiring harness and connect to the strut's solenoid. (FIGURES 27, 28)

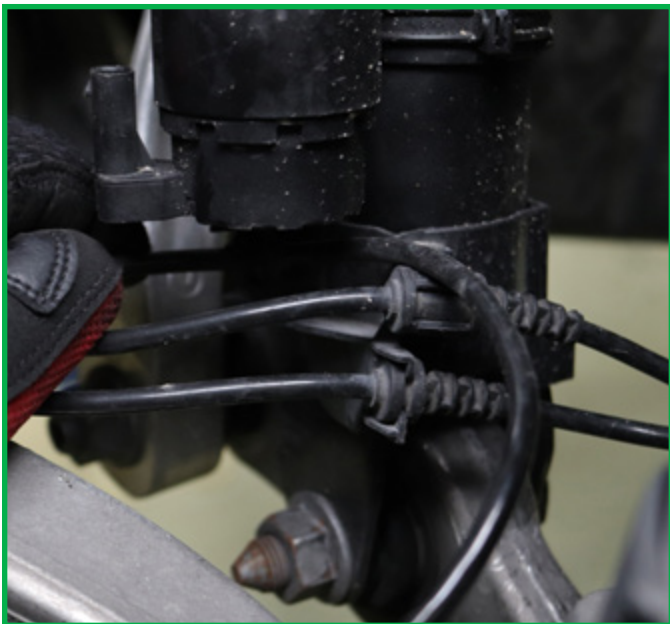


FIGURE 27



FIGURE 28

9. Remove the shipping pin from the VOSS fitting and install the air line. (FIGURES 29, 30)



FIGURE 29

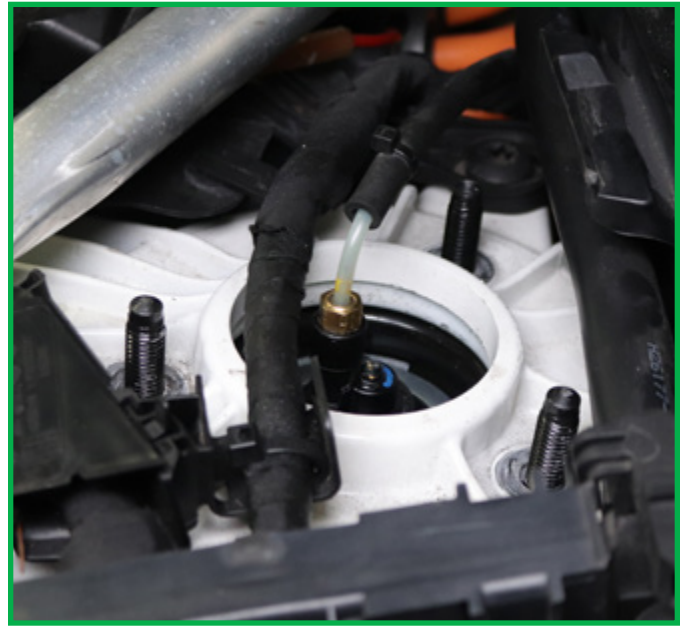


FIGURE 30

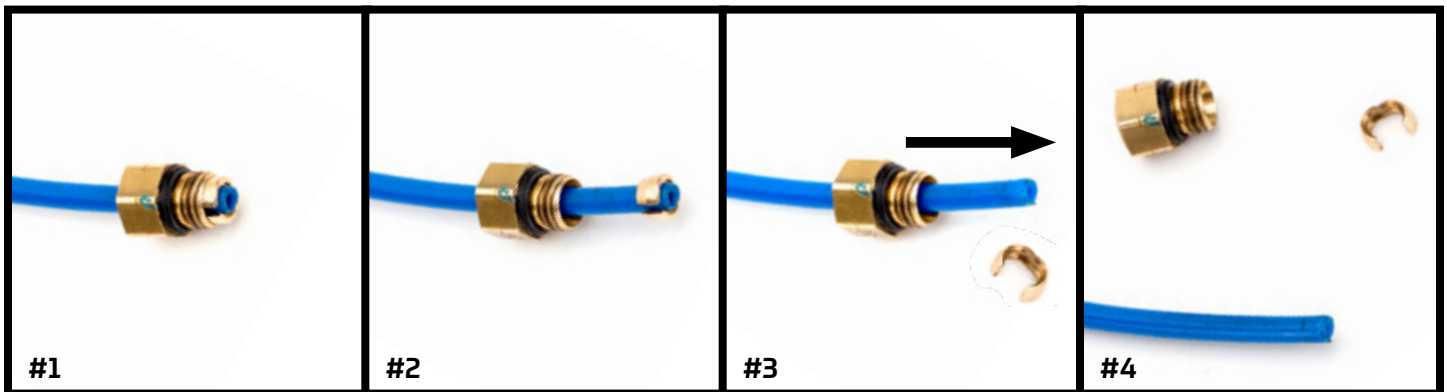
REMOVAL



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

10. Inflate vehicle air suspension per manufacturer's specifications.

11. Reinstall the wheel and lower the vehicle.

12. Installation complete.

Arnott™

Suspension Products

Arnott US Business Office:

www.arnottinc.com

100 Sea Ray Drive
Merritt Island, FL 32953

Call: 800.251.8993

321.868.3016

Fax: 321.868.3703

Email: techassistance@arnottinc.com

Arnott Europe Business Office:

www.arnotteurope.com

Docterskampstraat 1E/1F, 3
5222 AM 's-Hertogenbosch (NL)

NL Phone: +31 73 7850 580

DE Phone: +31 85 2087 438

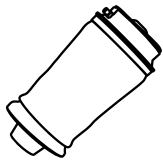
UK Phone: +44 203 3186 124

BE Phone: +32 258 846 90

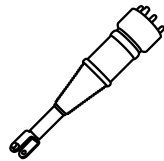
ES Phone: +34 91 901 10 56

FR Phone: +32 78 48 46 93

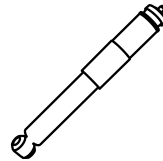
Email: info@arnotteurope.com



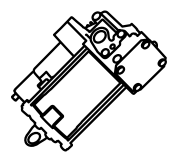
Air Springs



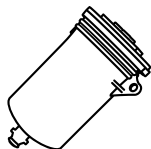
Struts



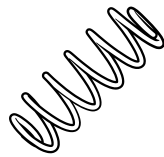
Shocks



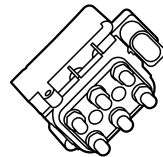
Compressors



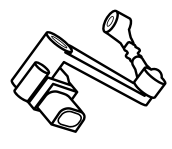
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors