Arnott®
Suspension Products

INSTALLATION MANUAL

A-2596
Arnott Rear Air Spring
Mercedes-Benz ML-Class (W164/W166)
& GL-Class (X164/X166)

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 SPRING REMOVAL

1. Set the steering to straight ahead.
2. Raise the vehicle.
3. Remove the rear wheel.
4. Slowly remove the air line from the top of the air spring to deflate. Remove the air fitting from the air hose and discard. (Figures 1, 2, 3)

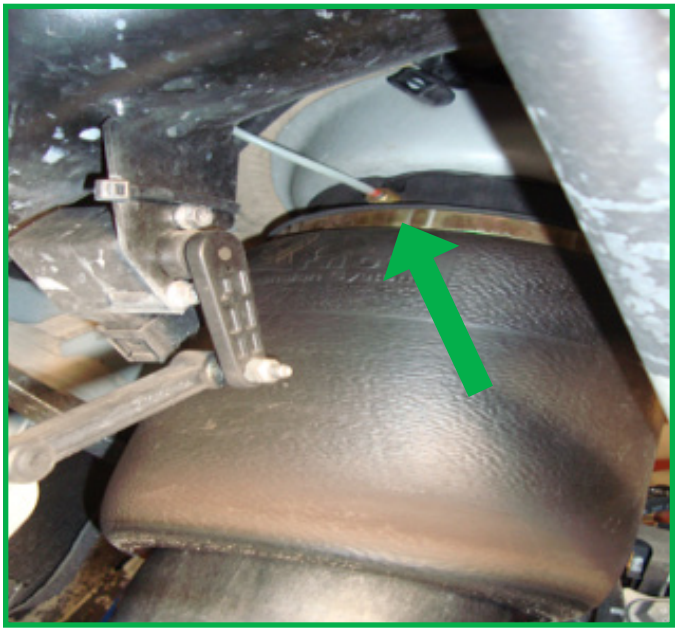


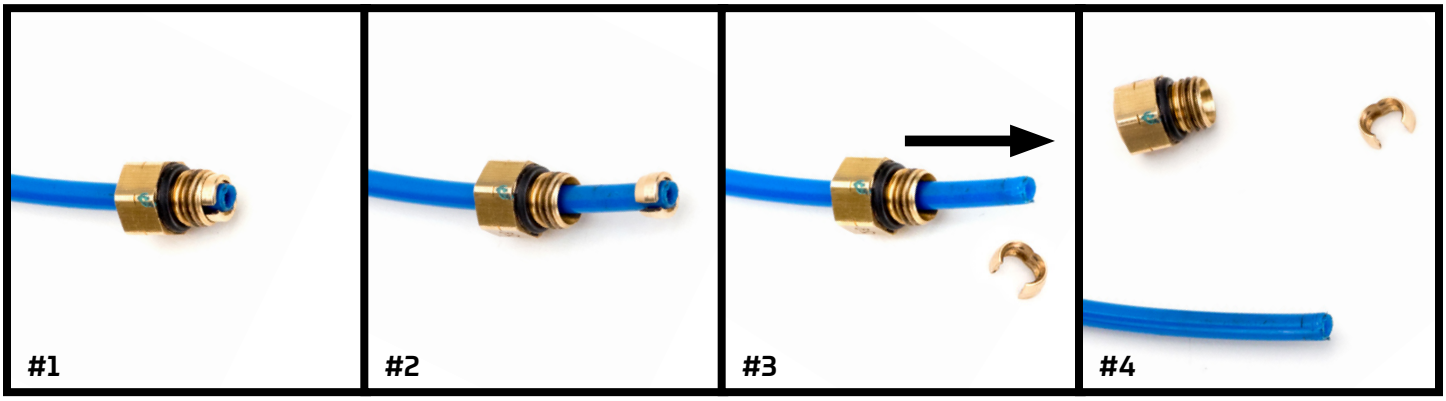
FIGURE 1

FIGURE 2

AIR LINE FITTING 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.



OE AIR LINE FITTING

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

SLIDE THE AIR FITTING OFF OF THE AIR LINE

DISCARD OE AIR LINE FITTING

FIGURE 3

5. To remove the air spring, pull down on the top to disengage it from the vehicle.
6. Unscrew the top air spring retaining cup and discard. (Figure 4)

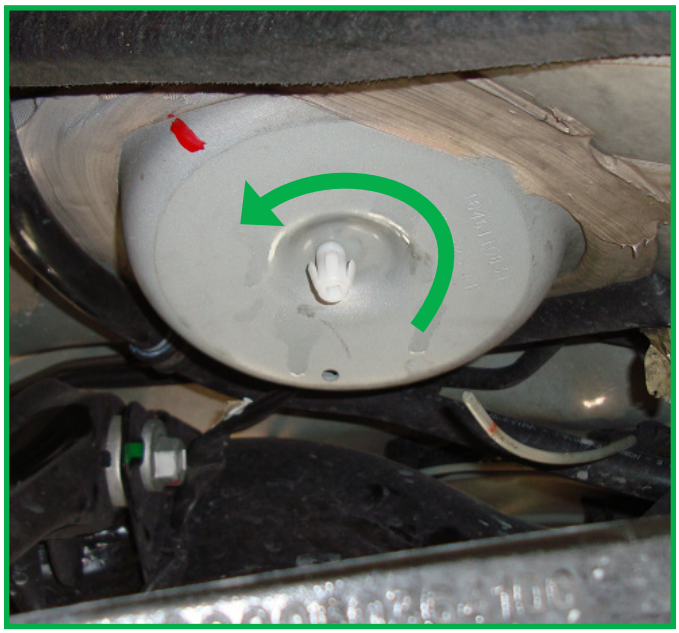


FIGURE 4

7. Removal complete.

AIR SPRING INSTALLATION

WARNING:

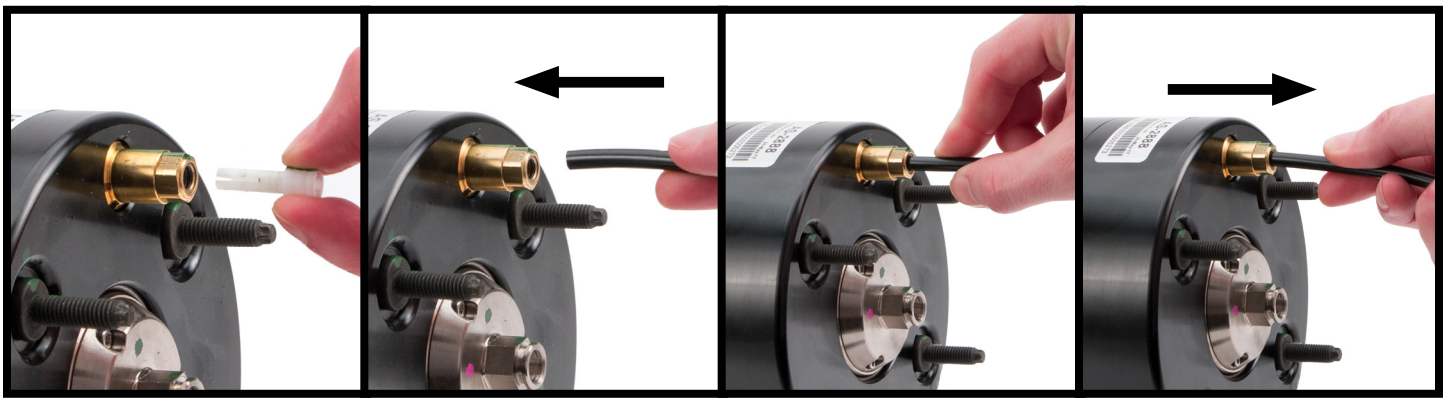
Tighten all nuts and bolts to the manufacturer's specifications during the installation process.

WARNING:

Do not remove the air fitting from the air spring. Doing so may cause damage and/or void warranty. Remove the white shipping pin from the new air fitting and insert the air line until fully seated.

1. Install the air spring in the reverse order of removal using the new air spring retaining clip provided. Ensure to follow the shipping pin removal and air line installation instructions (Figure 5).

SHIPPING PIN REMOVAL AND AIR LINE INSTALLATION



REMOVE AND DISPOSE OF THE SHIPPING PIN.

INSERT AIR LINE INTO THE AIR LINE FITTING UNTIL IT STOPS.

AIR LINE INSERTED.

GENTLY PULL ON AIR LINE TO CONFIRM IT IS FULLY SECURED BY THE AIR LINE FITTING.

FIGURE 5

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Suspension Products

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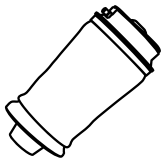
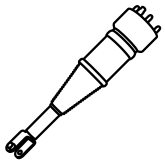
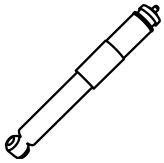
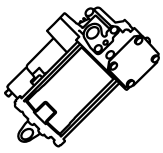
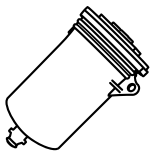
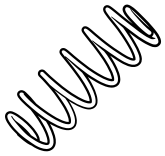

Air Springs

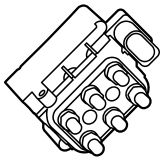

Struts

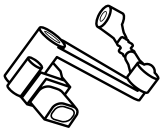

Shocks


Compressors


Dryers


Coil Spring Conversion Kits


Valve Blocks


Ride Height Sensors