



# INSTALLATION MANUAL

## A-2503 Arnott Rear Right Air Spring (Sport) BMW X5 (E53)



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](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.

# AIR SPRING REMOVAL

1. Open the trunk lid, unlock the luggage compartment floor trim panel (1) at handle (2), and remove. (Figure 1)

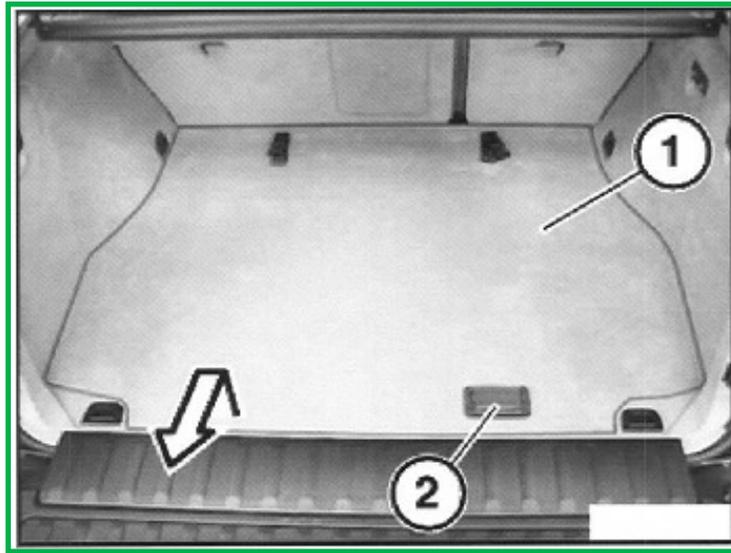


FIGURE 1

2. Raise the vehicle.
3. Remove the rear wheel.
4. Remove support for side members (1) and (2) to gain access to the air reservoir. (Figure 2)

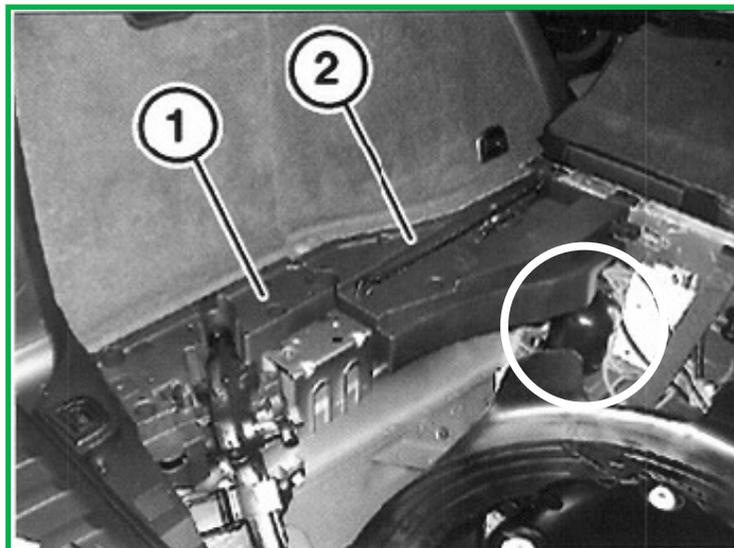


FIGURE 2

- Carefully loosen the air fitting to deflate the air spring. (Figure 3)

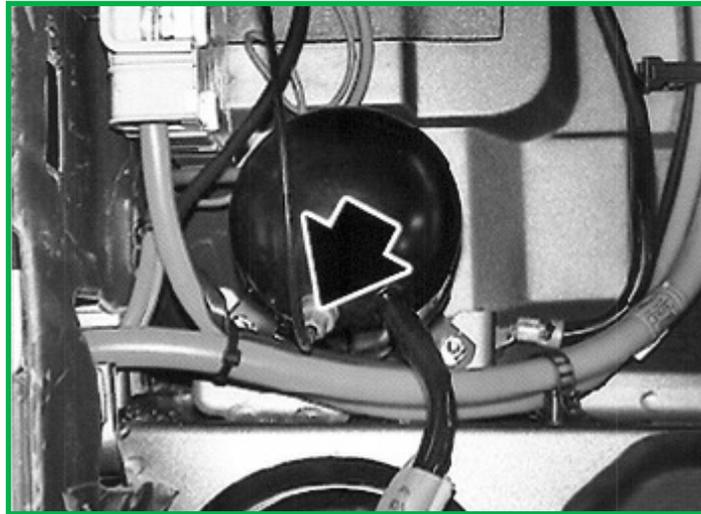


FIGURE 3

- Disconnect the top of the air spring by pressing the quick coupling (1) downwards, pressing the retaining ring (2) together, and detaching the air line. Remove the retaining clips (3). (Figure 4)

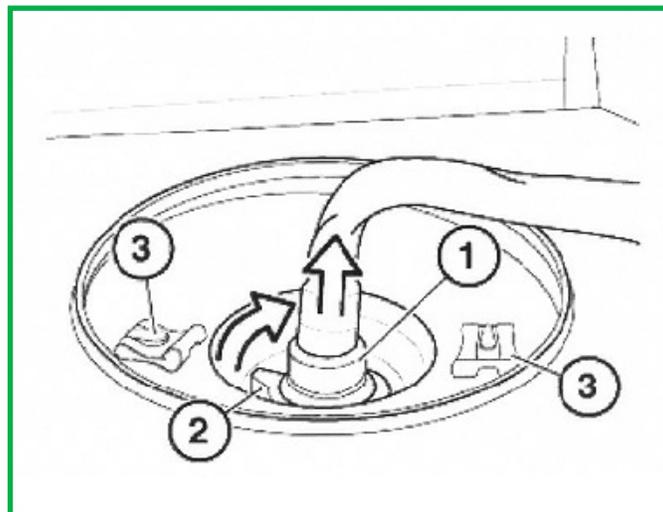


FIGURE 4

7. Detach the locking clip (1) from the bottom of the air spring mount and remove the air spring. (Figure 5)

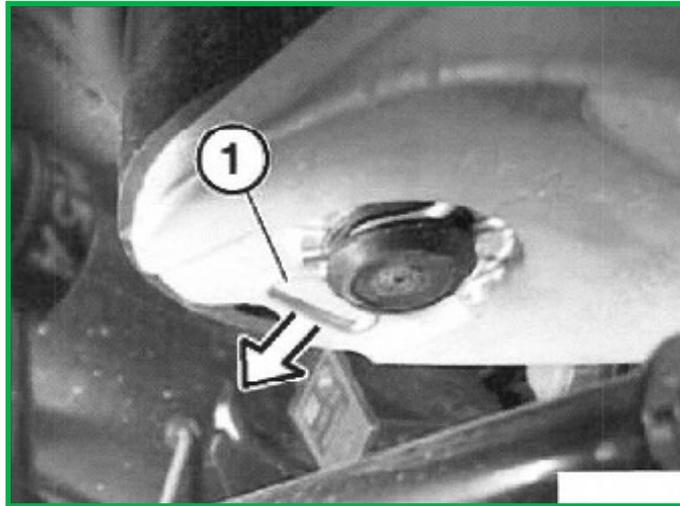


FIGURE 5

8. Remove the air spring from the vehicle.
9. Removal complete.

# AIR SPRING INSTALLATION



**WARNING:**

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

1. Installation is in reverse order of air spring removal.
2. Check for proper orientation of the air line retention clip. Make sure that the tapered edge is facing downward, toward the spring, and is fully seated. (Figures 6, 7)

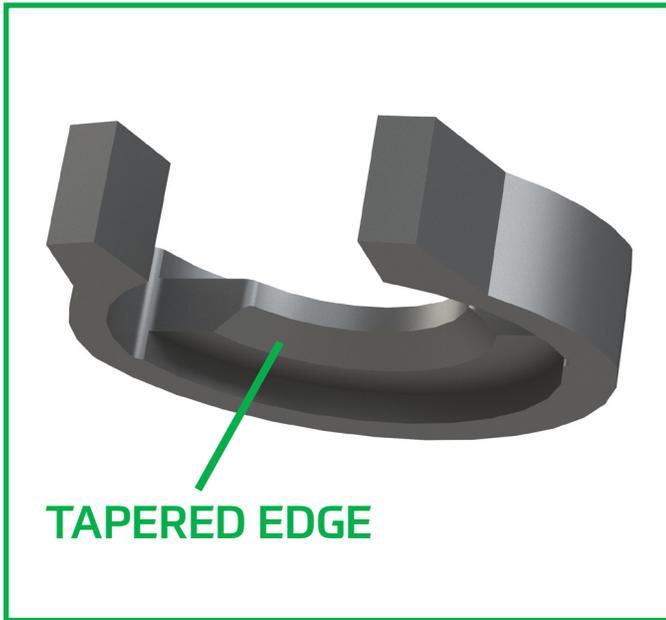


FIGURE 6



FIGURE 7

# Arnott®

## Suspension Products

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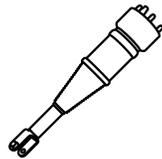
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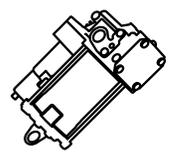
Air Springs



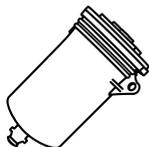
Struts



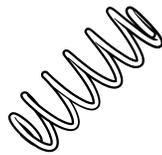
Shocks



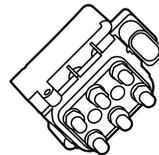
Compressors



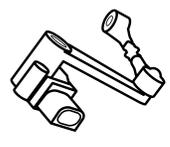
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors