

# Installation Manual

## A-2503 REPLACEMENT RIGHT REAR AIR SPRING ASSEMBLY FOR 2000-2006 BMW X5 (SPORT)



Congratulations on your purchase of an Arnett® air suspension product. We at Arnett Incorporated are proud to offer a high quality product at the industry's most competitive pricing. 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, ASE Certified, 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.

### "Engineered to Ride, Built to Last™"



**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 protective hand, ear, and eye protection when servicing the air suspension system.*

#### KIT CONTAINS:

#### PARTS LIST

P/N	QTY	DESCRIPTION
21-4778	1	REPLACEMENT RIGHT REAR AIR SPRING ASSEMBLY
21-6966	1	ACCESSORY KIT

Arnett® is committed to the quality of its products. If you have a question or problem with any Arnett product, please contact Arnett by calling **800-251-8993** during normal business hours or email [techassistance@arnottinc.com](mailto:techassistance@arnottinc.com)

## GENERAL INFORMATION:

- 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.*



*The ignition must remain switched off during the spring removal and replacement.*



*Consult your vehicles owners 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 SPRING REMOVAL

1. OPEN TRUNK LID, UNLOCK LUGGAGE COMPARTMENT FLOORTRIM PANEL (1) AT HANDLE (2) AND REMOVE. (FIGURE A)

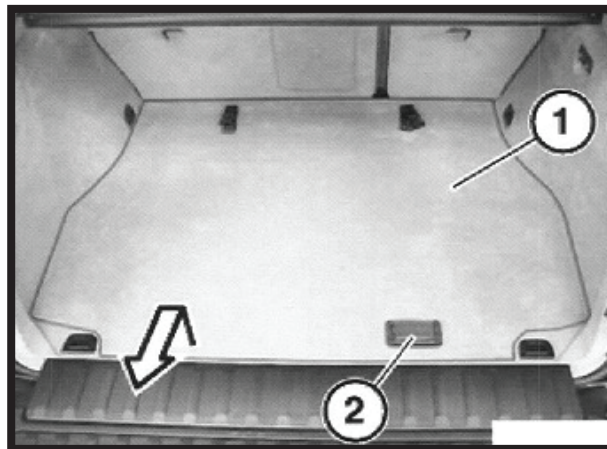


FIGURE A

2. RAISE VEHICLE.
3. REMOVE REAR TIRE.

4. REMOVE SUPPORT FOR SIDE MEMBERS (1) AND (2) TO GAIN ACCESS TO AIR RESERVOIR. (FIGURE B)

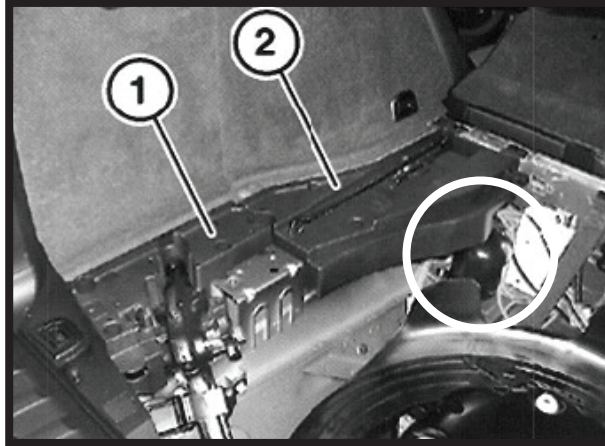


FIGURE B

5. CAREFULLY LOOSEN THE AIR FITTING TO DEFLATE THE AIR SPRING. (FIGURE C)

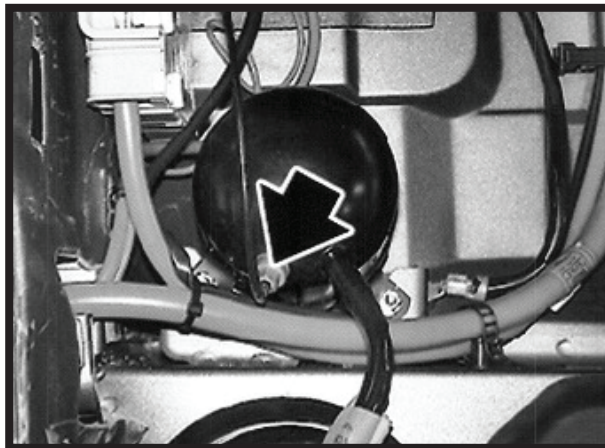


FIGURE C

6. DISCONNECT THE TOP OF THE AIR SPRING BY PRESSING QUICK COUPLING (1) DOWNWARDS, PRESS RETAINING RING (2) TOGETHER AND DETACH THE AIR LINE. REMOVE THE RETAINING CLIPS (3). (FIGURE D)

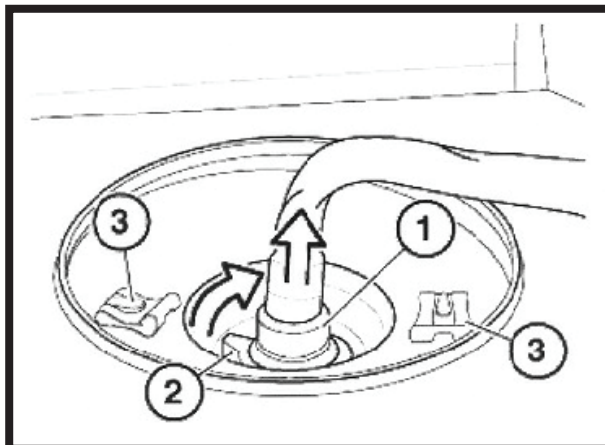


FIGURE D

7. DETACH LOCKING CLIP (1) FROM THE BOTTOM OF THE AIR SPRING MOUNT AND REMOVE AIR SPRING. (FIGURE E)

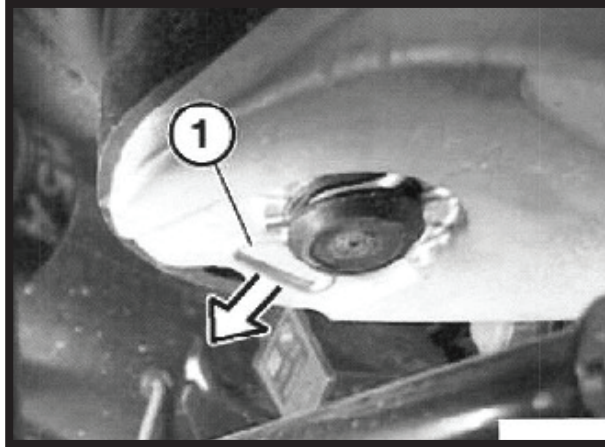


FIGURE E

8. REMOVE AIR SPRING FROM THE VEHICLE.
9. REMOVAL COMPLETE.

## AIR SPRING INSTALLATION



*Tighten all nuts and bolts to manufacturers specifications during the installation process.*

1. INSTALLATION IS IN REVERSE ORDER OF AIR SPRING REMOVAL.