

Installation Manual

AS-2764
ARNOTT
FRONT RIGHT AIR STRUT
BMW X5 (E53)



Congratulations on your purchase of an Arnott® air suspension product. We at Arnott 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 hand, ear, and eye protection when servicing the air suspension system.*

Arnott® is committed to the quality of its products. If you have a question or problem with any Arnott product, please contact Arnott by calling 800-251-8993 during normal business hours or email techassistance@arnottinc.com. (In the EU please call +31 (0)73 7850 580 or email info@arnotteurope.com)

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.

- Not to be stored below 5°F (-15°C) or 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. SET STEERING TO STRAIGHT AHEAD.
2. RAISE VEHICLE.
3. REMOVE FRONT WHEEL.
4. REMOVE THE BRAKE HOSE FROM THE RETENTION BRACKET ON THE STRUT. (FIGURE 1)

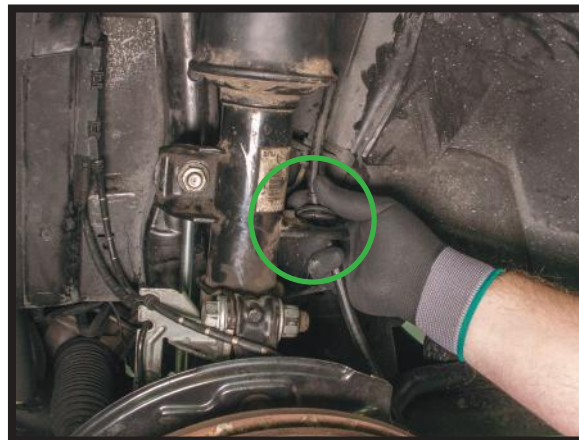


FIGURE 1

5. DISCONNECT THE SWAY BAR LINK BY REMOVING THE NUT HOLDING THE BALL JOINT TO THE STRUT. YOU MAY NEED TO HOLD THE BALL JOINT FROM SPINNING BY PLACING A WRENCH ON THE TWO FLATS OF THE BALL JOINT ON THE BACK SIDE OF THE BRACKET. (FIGURE 2)



FIGURE 2

6. OPEN THE HOOD AND REMOVE THE THREE (3) UPPER MOUNT NUTS. (FIGURE 3)



FIGURE 3

7. REMOVE THE TWO LARGE BOLTS THAT HOLD THE STRUT TO THE SPINDLE ASSEMBLY. (FIGURE 4) WITH THE NUTS AND BOLTS REMOVED FROM THE SPINDLE ASSEMBLY, PULL THE SPINDLE OUTWARD WHILE PUSHING THE STRUT. (FIGURE 5)



FIGURE 4





FIGURE 5

8. WITH THE AIR STRUT REMOVED YOU CAN NOW GAIN ACCESS TO ITS HOSE CONNECTION, SLOWLY REMOVE THE FITTING TO DEFLATE AND FREE THE ASSEMBLY. (FIGURE 6) REMOVE THE AIR LINE FITTING FROM THE AIR HOSE AND DISCARD. ONCE DISCONNECTED, REMOVE AIR STRUT FROM VEHICLE.



FIGURE 6

AIR STRUT INSTALLATION

-  *Tighten all nuts and bolts to manufacturer's specifications during the installation process.*
-  *Do not remove the air fitting from the air strut. 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 NEW AIR STRUT ONTO THE VEHICLE. (FIGURE 7)



FIGURE 7

2. REMOVE THE WHITE SHIPPING PIN FROM THE AIR STRUT. INSERT THE AIR LINE INTO THE VOSS FITTING ON THE STRUT. (FIGURES 8, 9)



FIGURE 8



FIGURE 9

3. INSTALL THE TWO LARGE BOLTS AND NUTS THAT HOLD THE STRUT TO THE SPINDLE ASSEMBLY. TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURES 10, 11)



FIGURE 10

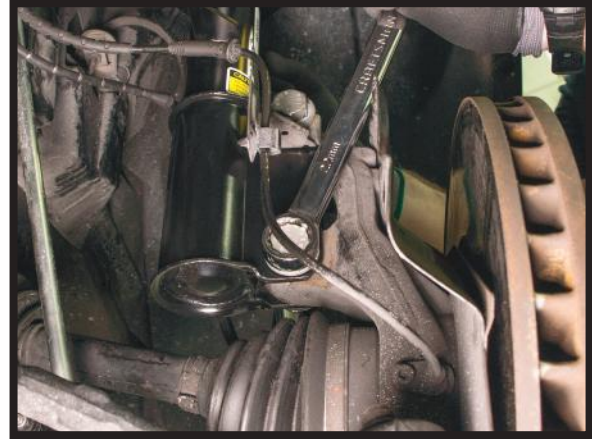


FIGURE 11

4. REATTACH THE BRAKE HOSE TO THE RETENTION BRACKET ON THE AIR STRUT. (FIGURE 12)



FIGURE 12

5. ATTACH THE ELECTRICAL WIRE TO THE RETENTION BRACKET ON THE AIR STRUT. (FIGURE 13)

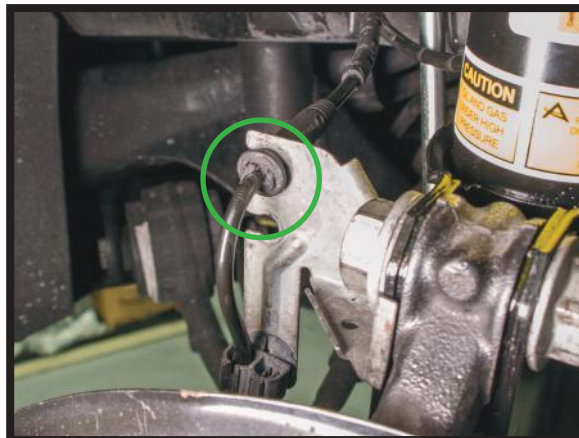


FIGURE 13

6. INSTALL THE NUT THAT HOLDS THE BALL JOINT TO THE STRUT AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURES 14, 15)

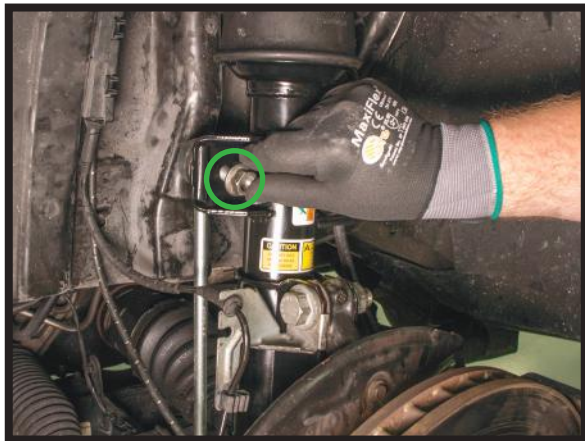


FIGURE 14



FIGURE 15

7. OPEN THE HOOD AND INSTALL THE THREE (3) UPPER MOUNT NUTS. (FIGURE 16)

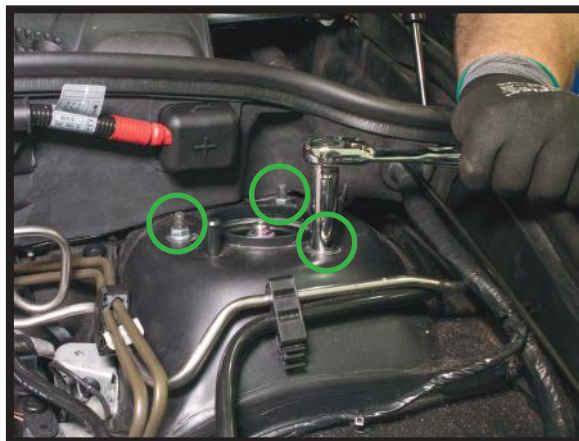


FIGURE 16

8. CLOSE THE HOOD.
9. REINSTALL THE WHEEL.
10. INSTALLATION COMPLETE.