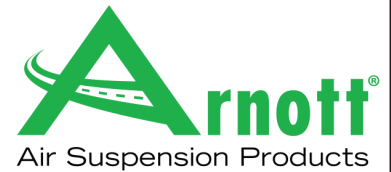


# Installation Manual

AS-2820  
ARNOTT  
FRONT AIR STRUT  
MERCEDES-BENZ S-CLASS (W221)  
W/AIRMATIC, W/O 4MATIC



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](mailto:techassistance@arnottinc.com).  
(In the EU please call +31 (0)73 7850 580 or email [info@arnotteurope.com](mailto: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](http://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. REMOVE FRONT WHEEL. (FIGURES 1, 2)



FIGURE 1

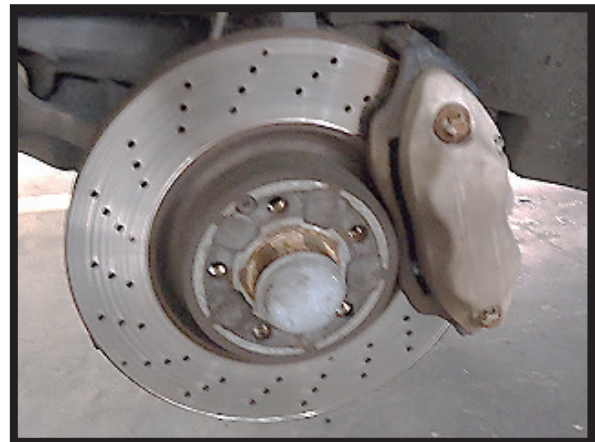


FIGURE 2

3. REMOVE AIRLINE AND THREE (3) UPPER MOUNT NUTS. (FIGURES 3, 4)

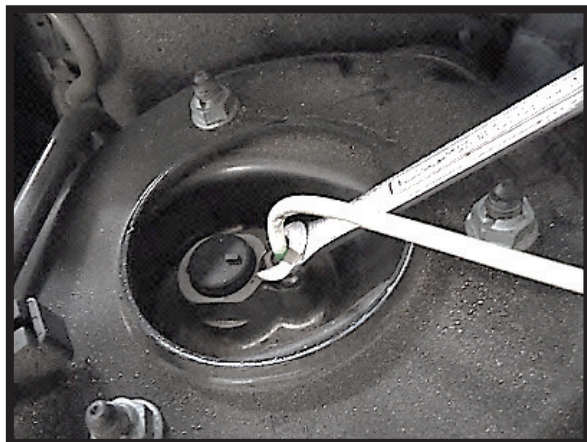


FIGURE 3

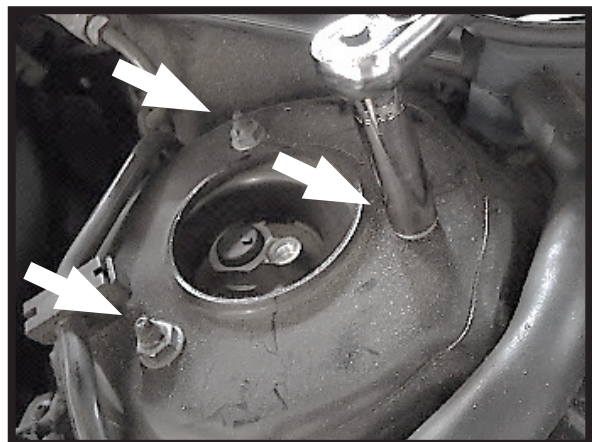


FIGURE 4

4. LOCATE THE AIR STRUT'S ELECTRICAL CONNECTOR AND REMOVE RETAINING CLIP. (FIGURE 5)



FIGURE 5

5. DISCONNECT AND SEPARATE THE TWO (2) ELECTRICAL CONNECTORS. (FIGURES 6, 7)

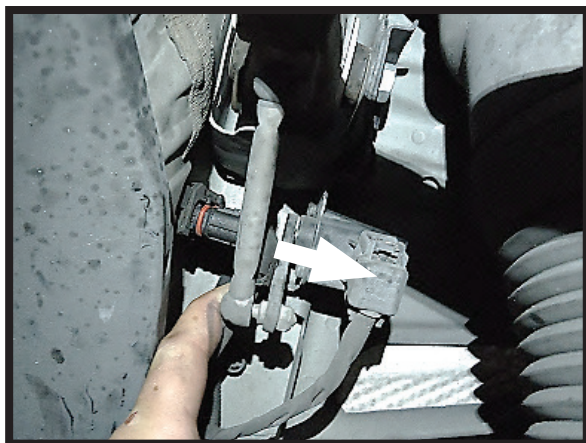


FIGURE 6

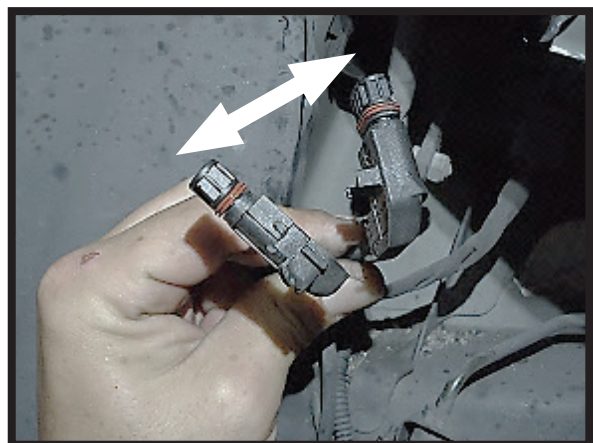


FIGURE 7

6. CUT CABLETIES AND REMOVE BRAKE LINE BRACKET AND BOTTOM CLIP. (FIGURES 8, 9, 10, 11)

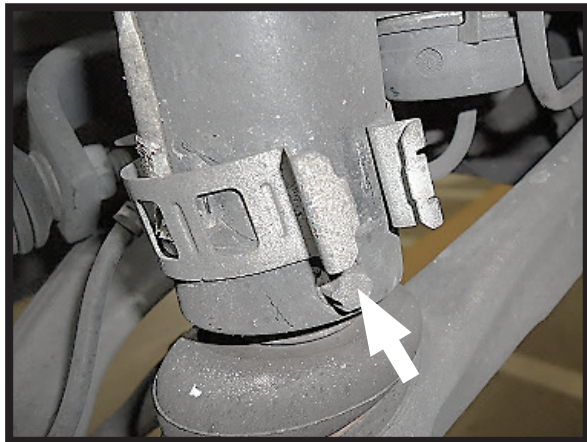


FIGURE 8

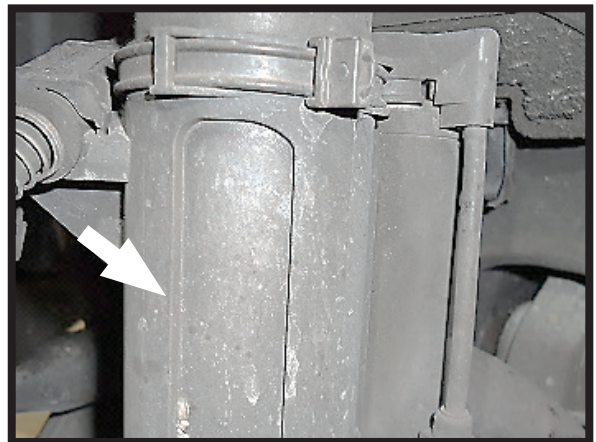


FIGURE 9

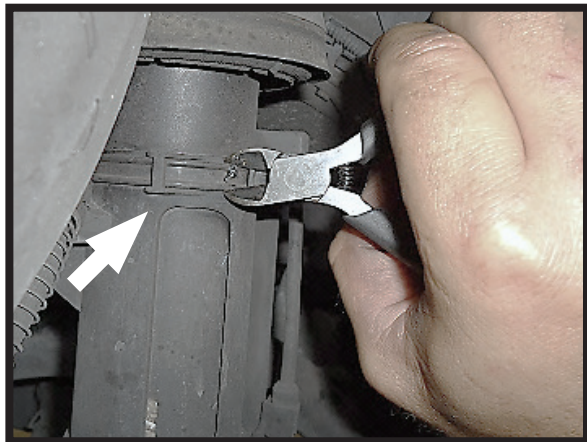


FIGURE 10



FIGURE 11

7. LOCATE AND LOOSEN LOWER MOUNT SET SCREWS. (FIGURE 12)

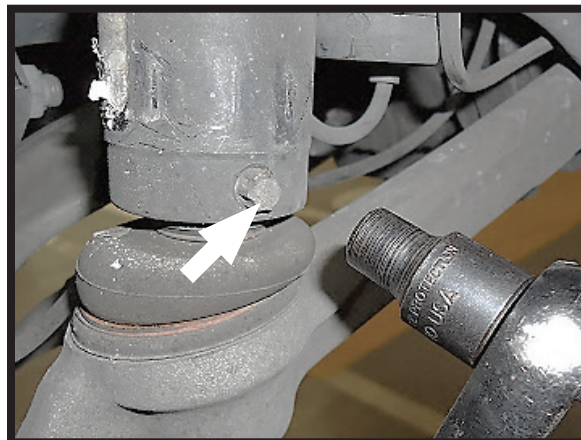


FIGURE 12

8. LOOSEN UPPER CONTROL ARM NUT. (FIGURE 13)

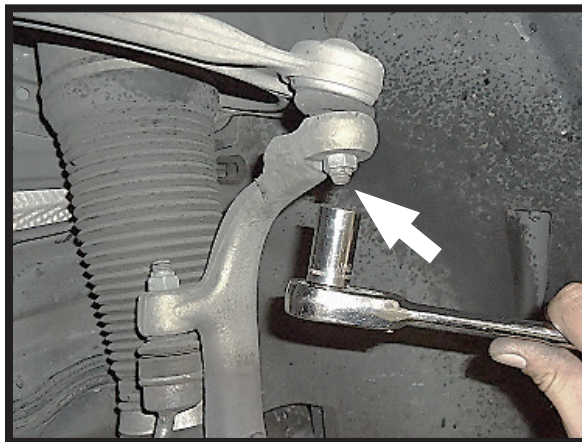


FIGURE 13

9. SEPARATE THE UPPER CONTROL ARM FROM THE SPINDLE ASSEMBLY. (FIGURES 14, 15)

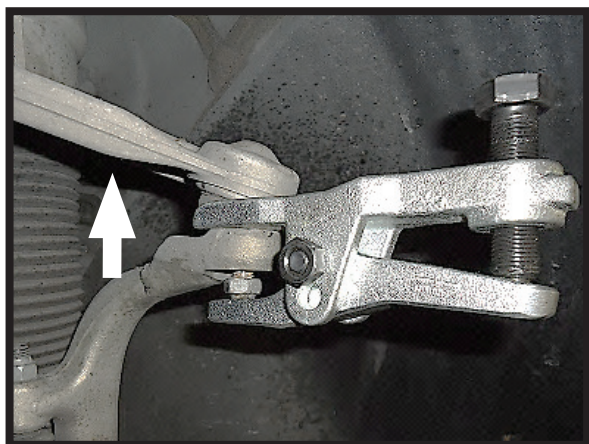


FIGURE 14



FIGURE 15

10. PULL DOWN ON THE SPINDLE ASSEMBLY, AND REMOVE THE AIR STRUT FROM THE VEHICLE. (FIGURES 16, 17)



FIGURE 16

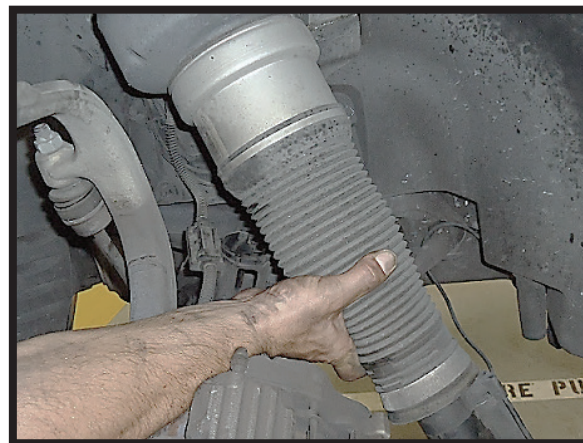


FIGURE 17

20. REMOVAL COMPLETE.

## AIR STRUT INSTALLATION



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

1. INSTALL IN REVERSE ORDER OF REMOVAL USING THE SUPPLIED HARDWARE.