

# Installation Manual

## MERCEDES-BENZ S-CLASS (W221) FRONT, W/AIRMATIC, W/ 4MATIC WARRANTY COIL SENSOR REPLACEMENT



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

**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). (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) 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 owners 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.

### COIL SENSOR REMOVAL

1. RAISE THE VEHICLE AND REMOVE THE WHEEL.
2. LOCATE COIL HARNESS AND REMOVE CLIP. FOLLOW THE COIL HARNESS WIRE AND REMOVE FROM STRAIN RELIEF LOCATIONS AS REQUIRED. DISCONNECT COIL HARNESS FROM VEHICLE.  
(FIGURES 10-1, 10-2)

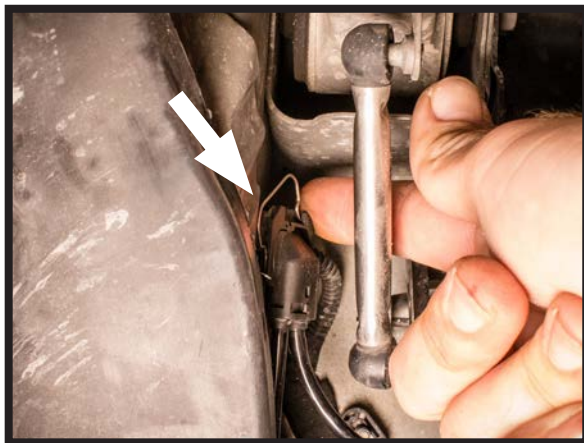


FIGURE 10-1

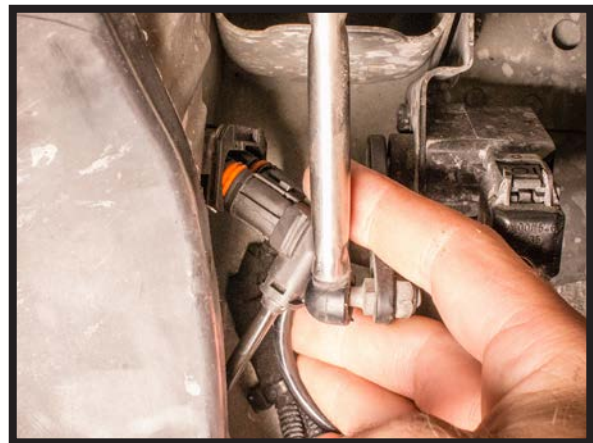


FIGURE 10-2

3. REMOVE DAMPENING COIL CAPS AND SCREWS. (FIGURES 10-3, 10-4)



FIGURE 10-3



FIGURE 10-4

4. ONCE UNSECURED, REMOVE DAMPENING COIL FROM VEHICLE. (FIGURES 10-5, 10-6)



FIGURE 10-5



FIGURE 10-6

5. REMOVAL COMPLETE.



### COIL SENSOR INSTALLATION

1. INSTALL NEW DAMPENING COIL, REUSING EXISTING HARDWARE. (FIGURES 20-1, 20-2)



FIGURE 20-1



FIGURE 20-2

2. SECURE WIRE TO STRAIN RELIEF LOCATIONS AS REQUIRED. (FIGURES 20-3, 20-4, 20-5, 20-6)



FIGURE 20-3



FIGURE 20-4

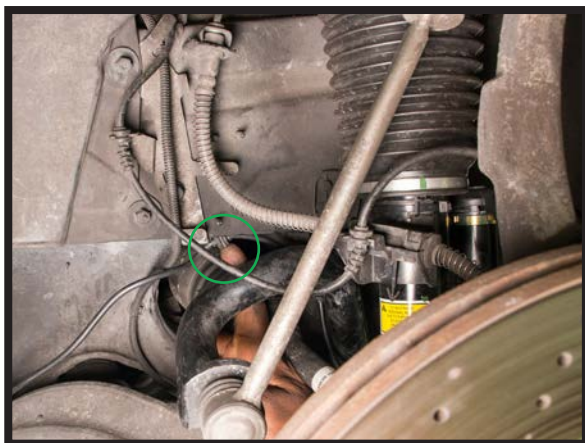


FIGURE 20-5

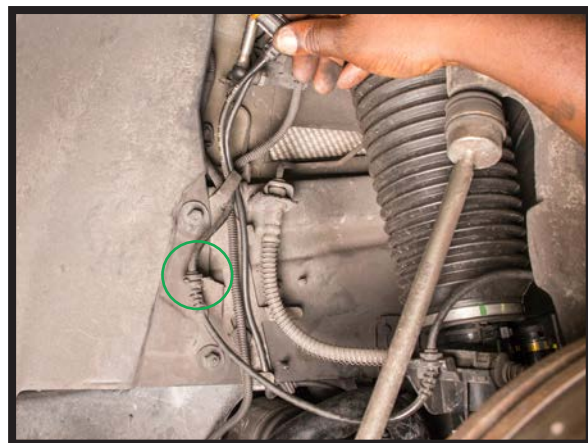


FIGURE 20-6

3. PLUG COIL HARNESS INTO ELECTRICAL CONNECTOR AND INSTALL RETAINING CLIP.  
(FIGURES 20-7, 20-8)

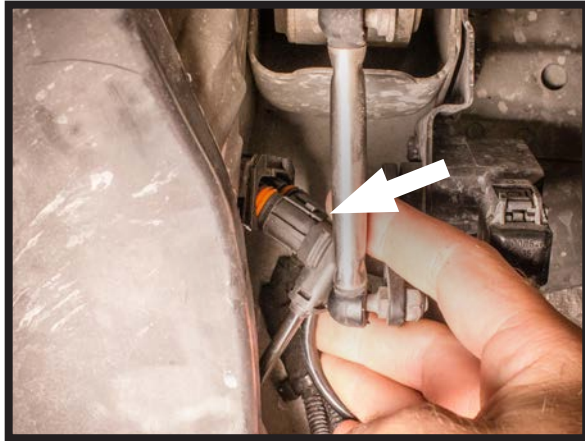


FIGURE 20-7

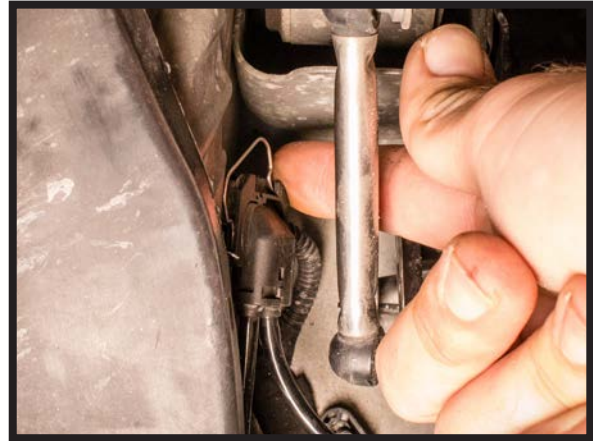


FIGURE 20-8

4. INSTALLATION COMPLETE.