



INSTALLATION MANUAL

AS-2852 Arnott Front Right Air Strut Mercedes-Benz S-Class (W221) & CL-Class (W216)



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 and 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.

AIR STRUT REMOVAL

1. Set steering to straight ahead.
2. Raise the vehicle.
3. Remove front right wheel. (Figure 1)



FIGURE 1

4. Locate the air strut's wiring block inside the wheel well. Remove the metal retaining clip and the two (2) electrical plugs. (Figures 2, 3)



FIGURE 2



FIGURE 3

5. Cut the cable tie and remove the wiring bracket from the air strut. (Figures 4, 5)

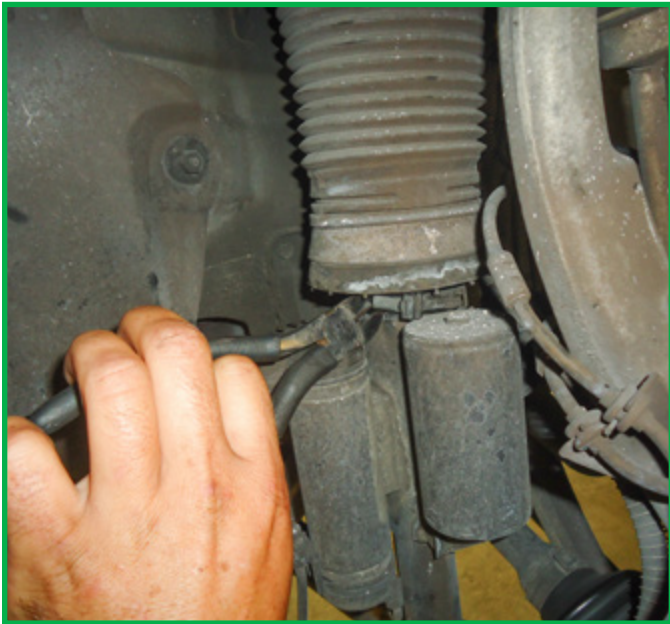


FIGURE 4



FIGURE 5

6. Loosen and remove the lower mounting nut. (Figure 6)

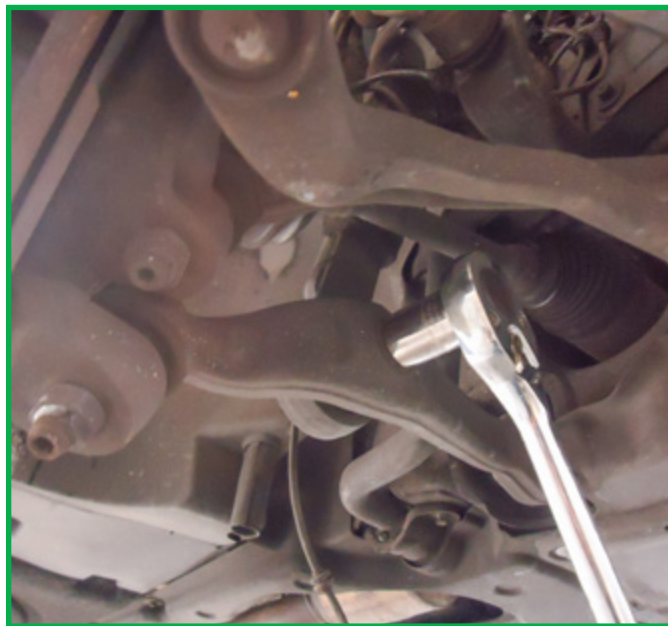


FIGURE 6

7. Separate the lower ball joint from the lower control arm. (Figure 7)



FIGURE 7

8. Loosen and remove the air line from the top of the air strut. (Figure 8)



FIGURE 8

9. Loosen and remove the three (3) top mounting nuts. (Figure 9)

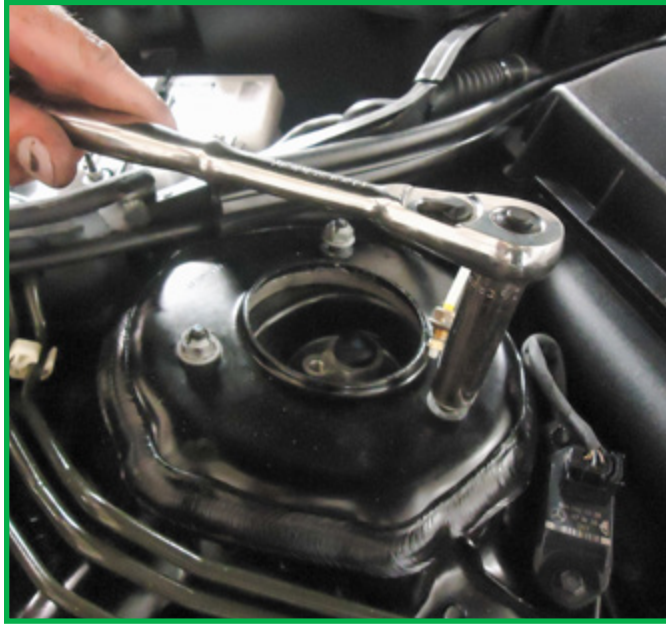


FIGURE 9

10. Remove the air strut from the vehicle. (Figure 10)

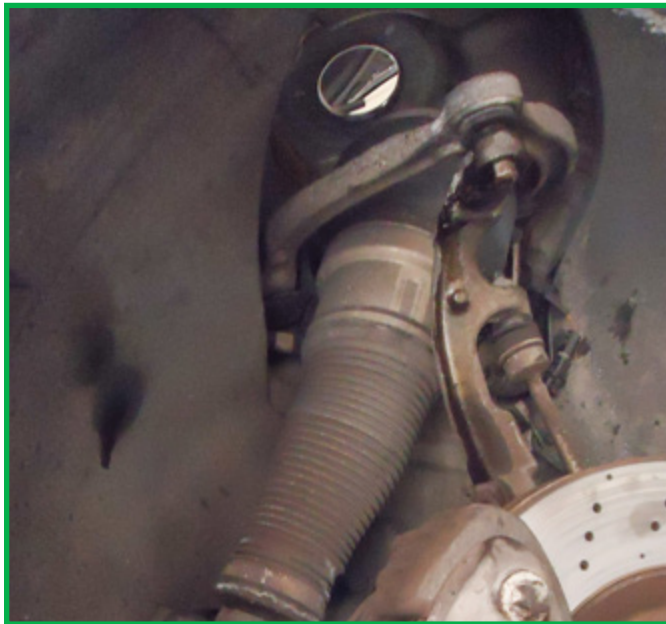


FIGURE 10

11. Remove the offset plate from the top of the air strut. (Figure 11)



FIGURE 11

NOTE: The offset plate will be reused on your Arnott air strut in the same orientation from which it was removed.

12. Removal complete.

AIR STRUT INSTALLATION



WARNING:

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

1. Installation is in reverse order of air strut removal.



**ENSURE PROPER INFLATION OF THE AIR
SPRING/STRUT PER THE MANUFACTURER'S
PRESCRIBED PROCEDURE.**

**FAILURE TO DO SO MAY RESULT IN SPRING
DAMAGE AND WILL VOID PRODUCT WARRANTY.**



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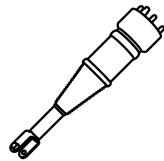
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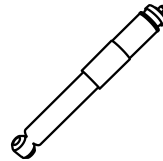
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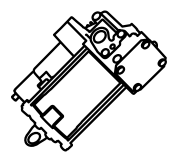
Air Springs



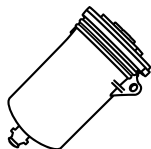
Struts



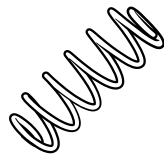
Shocks



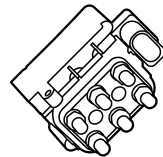
Compressors



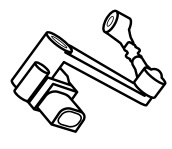
Dryers



Coil Spring
Conversion Kits



Valve Blocks



Ride Height
Sensors