



# INSTALLATION MANUAL

A-2724

Arnott New Rear Air Spring

Mercedes-Benz E-Class (W211)/CLS-Class (W219)  
(w/ADS, Excl. AMG)



**Engineered to Ride, Built to Last®**



# IMPORTANT NOTICE



**IF REPLACING AN O.E. UNIT WITH AN ARNOTT AIR SPRING, YOU MUST REPLACE BOTH REAR AIR SPRINGS AT THE SAME TIME.**

Replacing just one O.E. spring with the Arnott designed air spring may result in a slight difference in heights between the O.E. side and new air spring side. This is due to the vehicle's ride height sensor reading different pressures in the new and O.E. springs and automatically making adjustments for that. This does not occur if you replace both sides at once.



**THE A-2724 ELIMINATES THE NEED FOR AN AIR RESERVOIR.**  
(See Above Photo)

# 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](http://www.arnottinc.com) and [www.arnotteurope.com](http://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.

For vehicles with a "Closed Air Supply System," replacement of components requires proper adherence to procedures set forth within OE servicing literature. Failure to comply with the OE prescribed procedures can result in component damage and/or failure.

# AIR SPRING REMOVAL



## WARNING:

The air spring(s) contains a solenoid valve. Once inflated, only the “Mercedes DAS Star” diagnostic computer can deflate the air spring(s).

1. Set the steering to straight ahead.
2. Raise the vehicle.
3. Remove the rear wheels. (Figures 1, 2)



FIGURE 1



FIGURE 2

4. Locate and remove the electrical plug from the air springs top mount. (Figure 3)



FIGURE 3

5. Locate and remove the air line from the air springs top mount using a Mercedes socket wrench (211 589 00 90 00) or other suitable method. (Figures 4, 5)



FIGURE 4



FIGURE 5

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



FIGURE 6



7. Loosen and remove the rear control arm nut and bolt. (Figure 7)

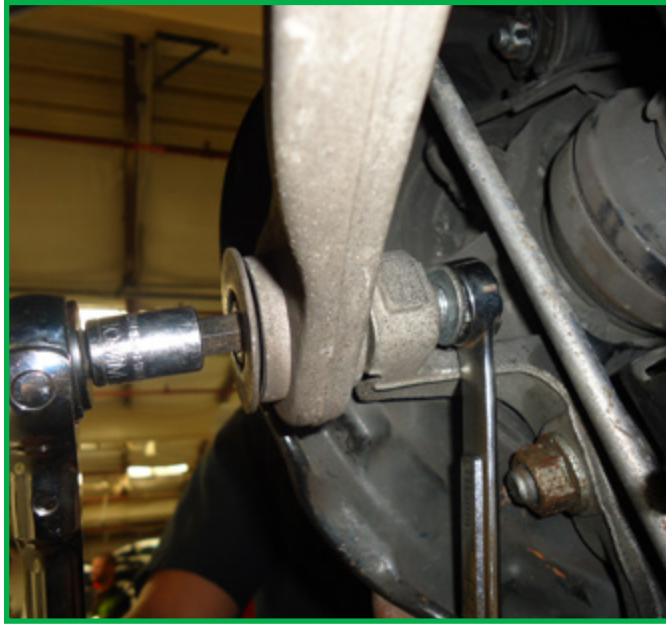


FIGURE 7

8. Dislocate the air spring's top mount from the vehicle. (Figure 8)



FIGURE 8

9. Loosen and remove the air spring's lower mounting nut and bolt. (Figure 9)



FIGURE 9

10. Remove factory air spring from the vehicle by disconnecting the factory rubber hose leading from the air spring to the air spring's reservoir. Secure the hose in a suitable location away from any moving parts or components with excessive heat. (Figure 10)



FIGURE 10

11. Removal complete.

# AIR SPRING INSTALLATION



**WARNING:**

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



**WARNING:**

Arnott Air spring(s) contain a solenoid valve. Only the "Mercedes-Benz das Star" diagnostic computer software can inflate the air spring(s).

1. Installation is in reverse order of air spring removal, with the exception of the secured reservoir hose.



**WARNING:**

It is recommended to have your vehicle aligned after installation is completed.



# Arnott®

## Suspension Products

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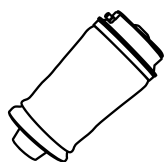
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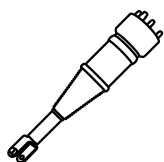
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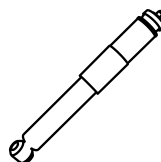
**Email:** [info@Arnotteurope.com](mailto:info@Arnotteurope.com)



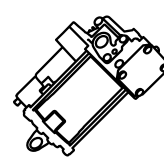
Air Springs



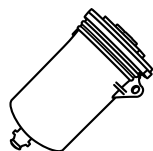
Struts



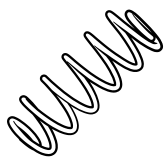
Shocks



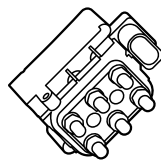
Compressors



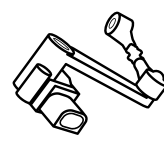
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors