



# INSTALLATION MANUAL

**SK-3567**  
**Arnott New Rear Shock**  
**Mercedes-Benz GL/ML (W166/X166)**  
**w/ADS, Excl. ADS+**



**Engineered to Ride, Built to Last<sup>®</sup>**

# 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.

This vehicle contains 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.

# REAR SHOCK REMOVAL

1. Set steering to straight.
2. Raise vehicle.
3. Remove rear wheel from the applicable side being replaced. (FIGURE 10-1)



FIGURE 10-1

4. Locate and disconnect the air spring's air line connection to relieve stress from the suspension. (FIGURE 10-2)



FIGURE 10-2

5. In the rear cargo area, remove all applicable trim panels to gain access to the upper shock mounting fasteners. Reference manufacturer's instructions for removal of interior paneling. (FIGURES 10-3, 10-4)



FIGURE 10-3



FIGURE 10-4

6. With the trim panels removed, lift the insulation to gain access to the top mount nuts. Loosen and remove. (FIGURES 10-5, 10-6)

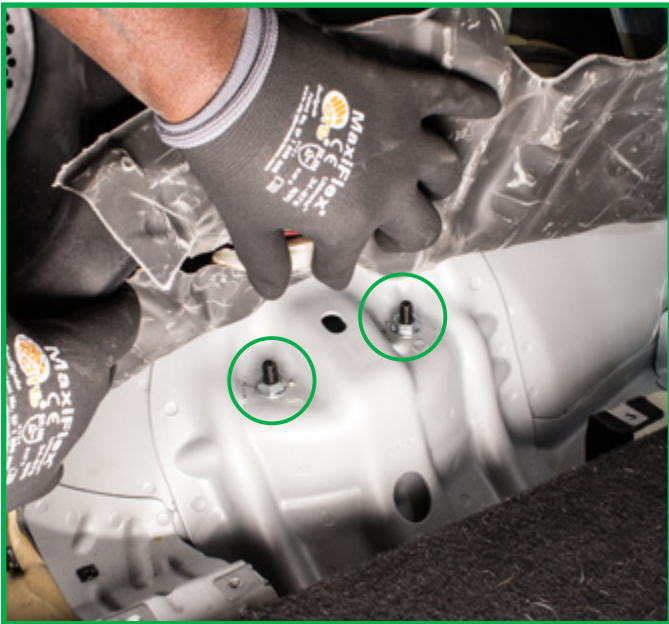


FIGURE 10-5



FIGURE 10-6

7. Disconnect the shocks dampening solenoid electrical connector, located just behind the shock, on the control arm. (FIGURE 10-7)

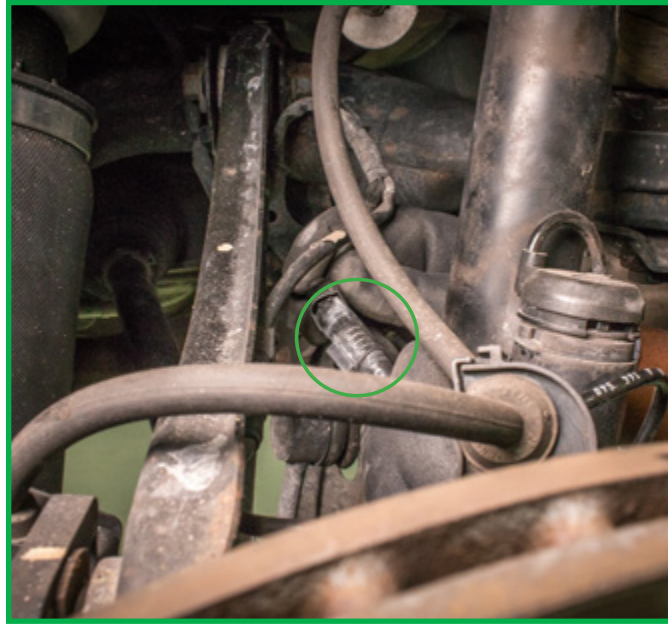


FIGURE 10-7

8. Loosen and remove the lower shock mounting bolt, followed by the old shock. (FIGURE 10-8)



FIGURE 10-8

9. Removal complete.

# REAR SHOCK INSTALLATION



## WARNING:

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

1. Install the replacement shock, solenoid side out (if applicable) and reinstall the lower mounting bolt. Tightening to manufacturer's specification. (FIGURE 20-1)



FIGURE 20-1

2. Reconnect and reattach the ads electrical connection back to the original mounting location on the control arm. (FIGURE 20-2)

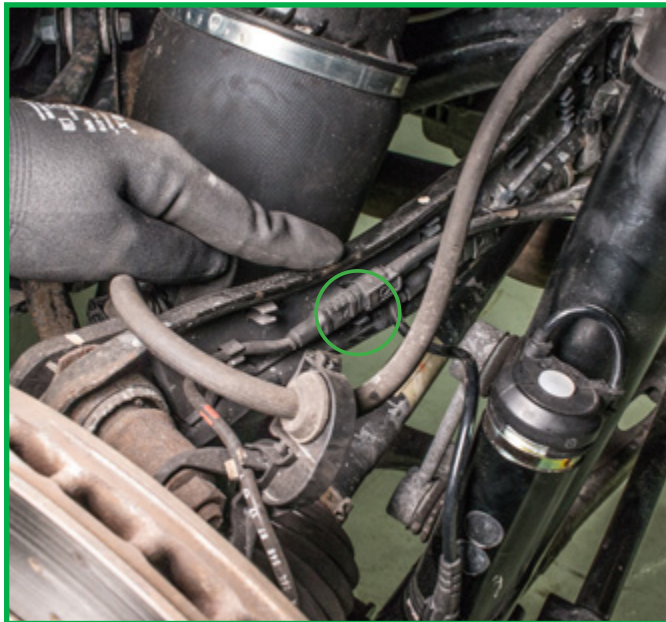


FIGURE 20-2

3. Complete remaining installation in reverse order of removal. Reference manufacturer's specifications and installation instructions for interior panels and torque specifications.

# Arnott™

## Suspension Products

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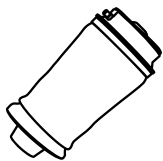
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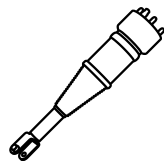
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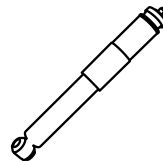
**Email:** [info@arnotteurope.com](mailto:info@arnotteurope.com)



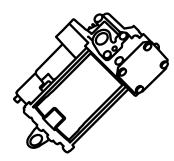
Air Springs



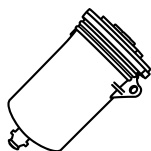
Struts



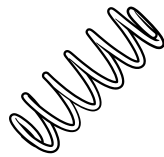
Shocks



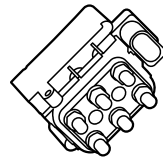
Compressors



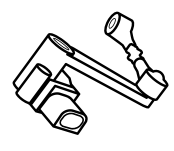
Dryers



Coil Spring  
Conversion Kits



Valve Blocks



Ride Height  
Sensors