

# Installation Manual

SK-3197  
ARNOTT  
REMANUFACTURED  
REAR SHOCK  
MERCEDES E-CLASS (W211/W219) W/ADS



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.*

## REAR SHOCK REMOVAL

1. SET STEERING TO STRAIGHT.
2. RAISE VEHICLE.
3. REMOVE APPLICABLE REAR WHEEL AND WHEEL WELL LINER. (FIGURE 1)



FIGURE 1

4. USING THE DAS-STAR SYSTEM, ELECTRONICALLY DEFLATE THE REAR AIR SPRING. (FIGURE 2)



FIGURE 2

5. DISCONNECT THE TOP TWO ELECTRICAL CONNECTORS AND UNROUTE THE WIRES. (FIGURE 3)



FIGURE 3

6. LOOSEN AND REMOVE THE STRUT ROD BOLT/NUT. (FIGURES 4, 5)



FIGURE 4

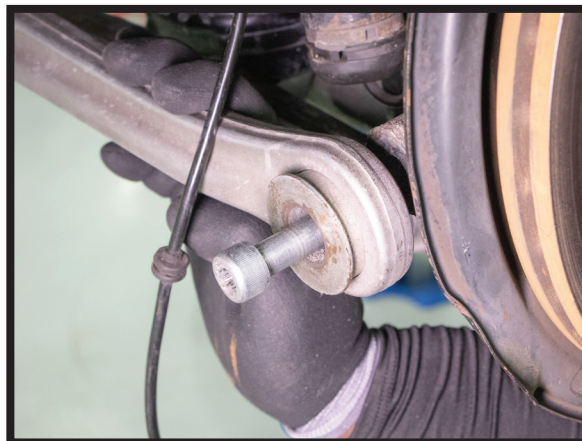


FIGURE 5

7. LOOSEN, BUT DO NOT REMOVE THE AIR SPRING'S BOTTOM MOUNT BOLT/NUT. (FIGURE 6)

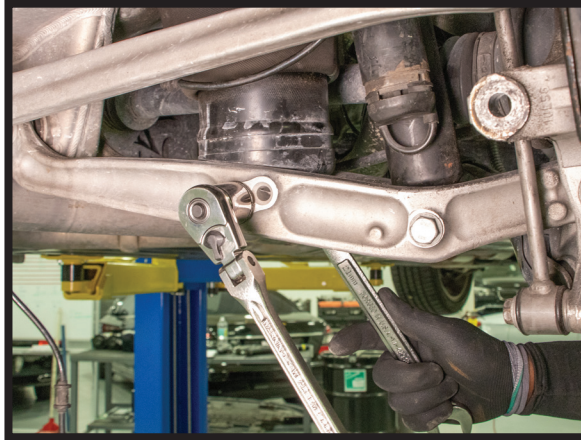


FIGURE 6

8. LOOSEN AND REMOVE THE BOTTOM MOUNT BOLT/NUT FROM THE DAMPER. (FIGURE 7)

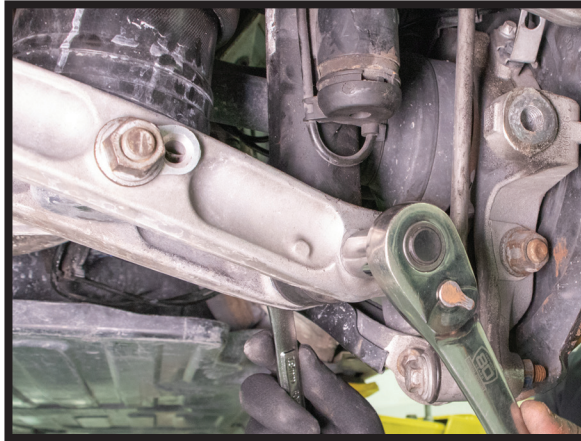


FIGURE 7

9. REMOVAL APPLICABLE TRUNK LINER.



10. IN THE TRUNK, LOOSEN AND REMOVE THE TOP DAMPER NUT. SAVE THE WASHER AND RUBBER BUSHING FOR RE-USE. (FIGURE 8)



FIGURE 8

11. COMPRESS THE DAMPER AND REMOVE FROM VEHICLE. (FIGURES 9, 10)

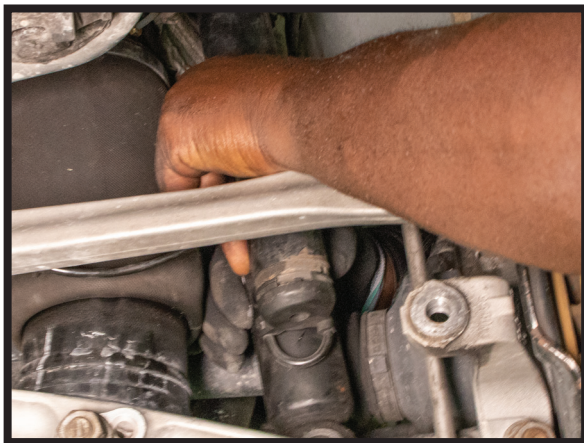


FIGURE 9



FIGURE 10

12. REMOVAL COMPLETE.

## REAR SHOCK INSTALLATION



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

1. REMOVE THE TOP NUT FROM THE DAMPER. DO NOT DISCARD THE NUT. (FIGURE 11)



FIGURE 11

2. INSTALL THE DAMPER INTO THE VEHICLE. (FIGURE 12)



FIGURE 12

3. REINSTALL PREVIOUSLY REMOVED BUSHING AND WASHER ONTO THE TOP OF THE DAMPER TENNON. (FIGURES 13, 14)



FIGURE 13



FIGURE 14

4. REINSTALL THE PROVIDED TOP NUT ONTO THE DAMPER AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 15)



FIGURE 15



5. REINSTALL THE DAMPER'S BOTTOM MOUNT BOLT/NUT AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 16)



FIGURE 16

6. TIGHTEN THE AIR SPRING'S BOTTOM MOUNT BOLT TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 17)



FIGURE 17



7. REINSTALL THE STRUT ROD BOLT/NUT AND TIGHTEN TO MANUFACTURER'S SPECIFICATIONS. (FIGURE 18)

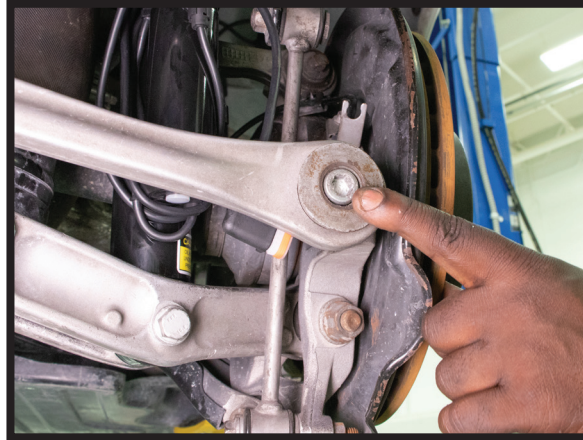


FIGURE 18

8. REROUTE THE ELECTRICAL CONNECTOR WIRES BACK THROUGH, FASTENING THEM INTO THEIR RESPECTIVE CLIPS. (FIGURES 19, 20, 21)

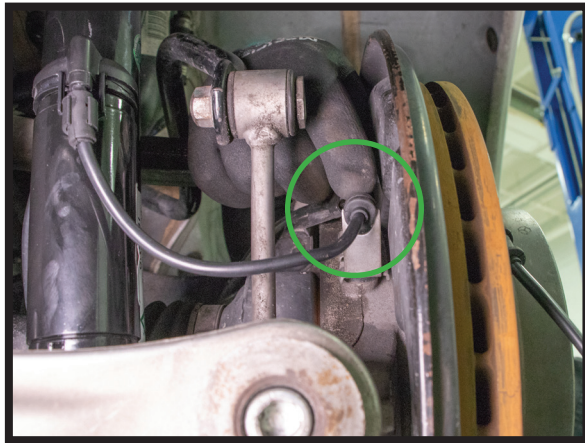


FIGURE 19

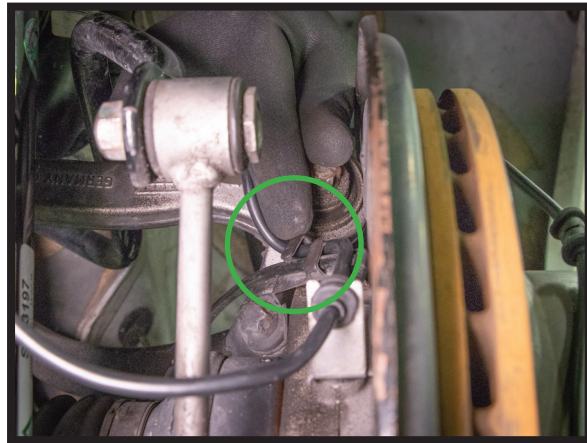


FIGURE 20

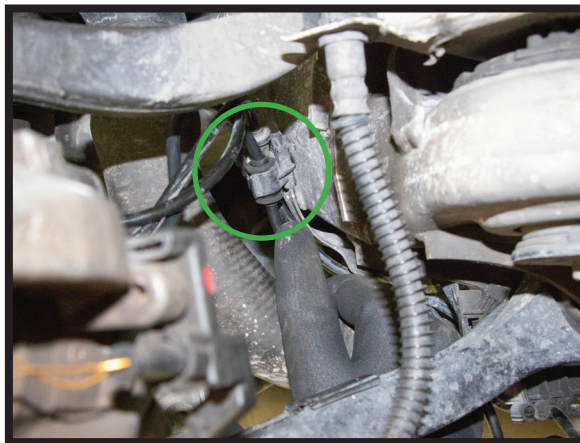


FIGURE 21

9. REINSTALL THE TWO ELECTRICAL CONNECTORS INTO THE VEHICLE. (FIGURES 22, 23)



FIGURE 22



FIGURE 23

10. FASTEN THE ELECTRICAL WIRES INTO PLACE ALONG THE WIRING GUIDE. (FIGURE 24)



FIGURE 24

11. REINSTALL WHEEL WELL AND TRUNK LINERS.
12. REINSTALL THE WHEEL.
13. LOWER THE VEHICLE.
14. INSTALLATION COMPLETE.