

Installation Manual

A-2538
ARNOTT REMANUFACTURED REAR AIR SPRING
FOR 2003-2009
MERCEDES-BENZ E-CLASS WAGON W/O ADS



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

KIT CONTAINS:

PARTS LIST

P/N	QTY	DESCRIPTION
21-7519	1	ARNOTT REMANUFACTURED REAR AIR SPRING
21-7520	1	ACCESSORY KIT

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

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.

- 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 SPRING REMOVAL

 The air spring(s) contain 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. (FIGURE 10-1)



FIGURE 10-1

4. LOCATE AND REMOVE THE ELECTRICAL PLUG FROM THE AIR SPRINGS TOP MOUNT. (FIGURE 10-2)

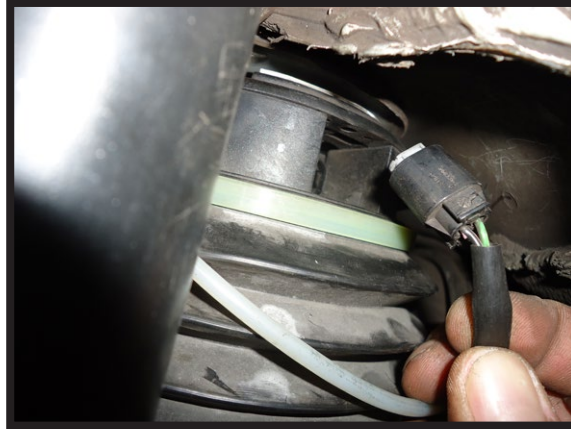


FIGURE 10-2

5. LOCATE AND REMOVE THE AIR LINE FROM THE AIR SPRING'S TOP MOUNT. REMOVE THE AIR FITTING FROM THE AIR HOSE AND DISCARD. (FIGURE 10-3)



FIGURE 10-3

6. LOOSEN AND REMOVE THE LOWER SHOCK MOUNTING NUT AND BOLT. (FIGURE 10-4)



FIGURE 10-4

7. LOOSEN AND REMOVE THE REAR CONTROL ARM NUT AND BOLT. (FIGURE 10-5)



FIGURE 10-5

8. DISLOCATE THE AIR SPRING'S STOP MOUNT FROM THE VEHICLE. (FIGURE 10-6)



FIGURE 10-6

9. LOOSEN AND REMOVE THE AIR SPRING'S LOWER MOUNTING NUT AND BOLT. (FIGURE 10-7)



FIGURE 10-7

10. REMOVE FACTORY AIR SPRING FROM THE VEHICLE. (FIGURE 10-8)



FIGURE 10-8

10. REMOVAL COMPLETE.

AIR SPRING INSTALLATION



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



Do not remove the air fitting from the air spring. Doing so may cause damage and/or void warranty. Remove the white shipping pin from the new air fitting and insert the air line until fully seated.

1. INSTALLATION IS IN THE REVERSE ORDER OF AIR SPRING REMOVAL USING THE HARDWARE PROVIDED.



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



Proper procedure is crucial. Failure to follow these directions other than specified can result in vehicle damage and/or serious personal injury.

2. PRESSURIZE THE AIR SPRING TO 25 PSI (1.7 BAR).
3. LOWER THE VEHICLE TO ITS NORMAL RIDE HEIGHT. START VEHICLE AND ALLOW TO RUN FOR APPROXIMATELY 2 MINUTES TO INFLATE THE REAR AIR SPRING.
4. VERIFY THE AIR SPRING IS PROPERLY ALIGNED BY MEASURING THE DISTANCE BETWEEN THE BOTTOM PLATE AND THE TOP OF LOWER CONTROL ARM.

INNER SPACING SHOULD BE APPROXIMATELY 19MM

OUTER - APPROXIMATELY 36 MM.

5. LOWER FROM THE LIFT AND ALLOW THE VEHICLE TO SELF LEVEL.

NOTE: THE LOWER CONTROL ARM BOLT SLEEVE MAY NEED TO BE ADJUSTED WHEN INSTALLING THE LOWER CONTROL ARM.



It is necessary to have your vehicle aligned after installing this kit.