

# Installation Manual

**A-2724**  
**ARNOTT REAR AIR SPRING**  
**FOR 2002-2009 MERCEDES-BENZ E-CLASS**  
**FOR 2005-2011 MERCEDES-BENZ CLS-CLASS**  
**(EXC. AMG)**



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
21-7069	1	ARNOTT REAR AIR SPRING
21-7070	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](mailto:techassistance@arnottinc.com)

## 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)

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## 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) 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

1. SAFELY RAISE AND SUPPORT THE VEHICLE.
2. REMOVE THE REAR WHEEL. (FIGURE 1)



FIGURE 1

3. REMOVE THE BOLTS FROM FENDER WELL. (FIGURE 2)



FIGURE 2

4. REMOVE THE PUSH PINS FROM FENDER WELL TO EXPOSE THE SENSOR JUNCTION BLOCK. (FIGURE 3)



FIGURE 3

5. MARK THE CONNECTIONS TO ENSURE PROPER PLACEMENT IN REASSEMBLY, REMOVE RETAINING CLIP AND UNPLUG SENSOR LINES. (FIGURE 4)



FIGURE 4

6. REMOVE THE SENSOR LINES FROM THE BRACKETS. (FIGURE 5)

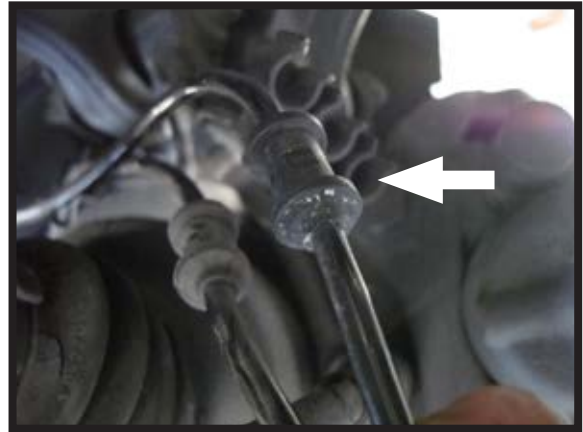


FIGURE 5

7. REMOVE THE AIR SPRING BOLTS FROM THE LOWER CONTROL ARMS. (FIGURE 6)



FIGURE 6

8. REMOVE THE LOWER SHOCK BOLTS. (FIGURE 7)



FIGURE 7

9. REMOVE THE MOUNTING NUT FROM THE AIR BLOCK. CLEARLY MARK THE AIRLINES ON THE AIR DISTRIBUTION BLOCK BEFORE DISCONNECTING. (FIGURE 8)



FIGURE 8

10. AFTER THE AIR LINES ARE REMOVED, UNPLUG THE AIR SPRINGS VALVE WIRING. (FIGURE 9)

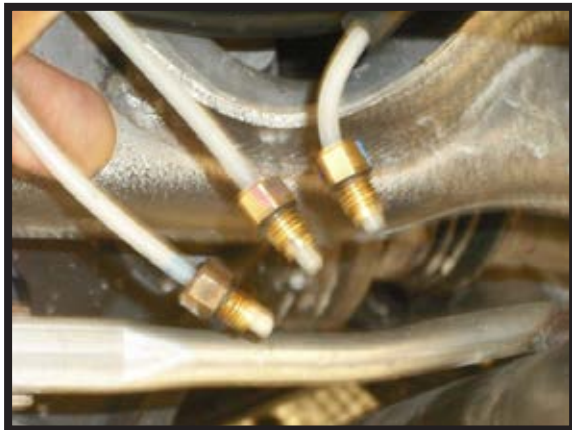


FIGURE 9

11. SUPPORT EXHAUST, LOOSEN AND REMOVE EXHAUST FLANGE BOLTS. (FIGURE 10)

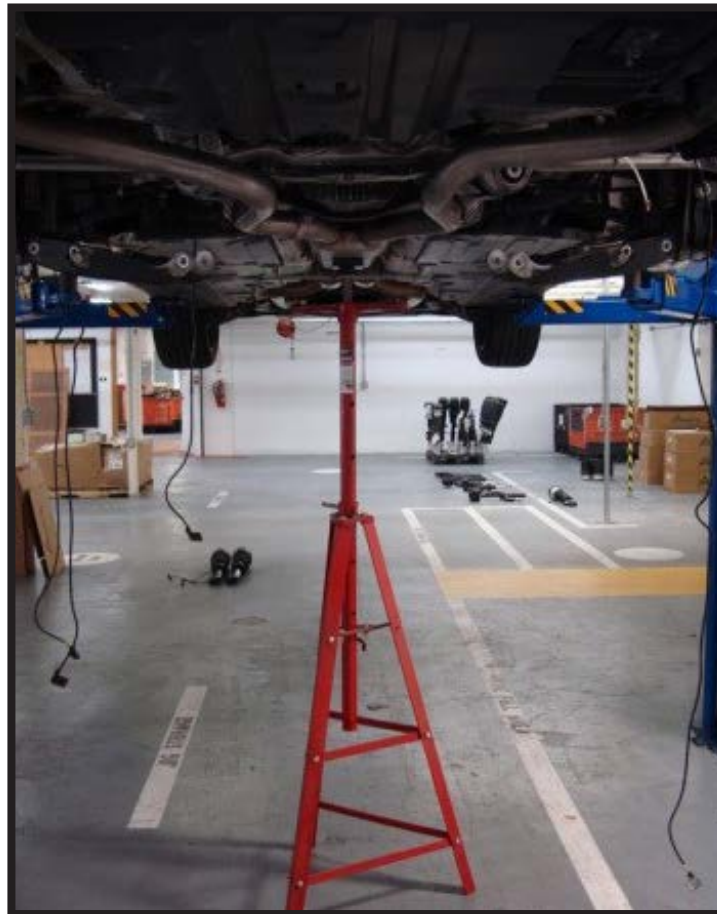


FIGURE 10

12. WITH THE EXHAUST STILL SUPPORTED, REMOVE THE RUBBER HANGERS. THEN REMOVE THE EXHAUST. (FIGURE 11)



FIGURE 11

13. REMOVE THE DRIVESHAFT SAFETY BAR, AND THE TWO-PIECE HEAT SHIELD TO EXPOSE THE DRIVE SHAFT CARRIER BEARING. (FIGURE 30-12)

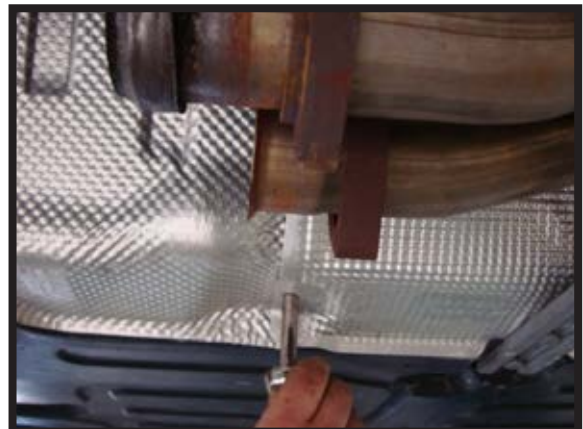


FIGURE 12



14. REMOVE THE TWO BOLTS HOLDING THE CARRIER BEARING. CAREFULLY LOWER. (FIGURE 13)



FIGURE 13

15. REMOVE THE REAR DRIVESHAFT BOLTS. (FIGURE 14)



FIGURE 30-14

16. SLIDE THE DRIVESHAFT TOWARD THE FRONT OF VEHICLE AND REMOVE. (FIGURE 15)



FIGURE 15

17. LOOSEN BOLTS AND REMOVE THE REAR HEAT SHIELDS. (FIGURE 16)



FIGURE 16

18. LOOSEN BOLTS AND REMOVE BOTH REAR ROCK GUARDS. (FIGURE 30-17)



FIGURE 17

19. REMOVE CALIPER CLIPS, AND THEN REMOVE BOLTS FROM BRAKE PAD WEAR SENSORS. (FIGURE 18)



FIGURE 18

20. UNPLUG THE BRAKE PAD WEAR SENSORS. (FIGURE 19)



FIGURE 19

21. REMOVE THE CAPS FROM THE CALIPER MOUNTING BOLTS, LOOSEN AND REMOVE BOLTS. (FIGURE 20)



FIGURE 20

22. REMOVE CALIPERS, AND SUSPEND WITH CABLE TIES. (FIGURE 21)



FIGURE 21



**FIRE HAZARD:** Use extreme caution when working on, or around, fuel tank as gas fumes may be present.

23. LOOSEN FILLER NECK CLAMP, AND REMOVE GASTANK FILLER HOSE. (FIGURE 22)



FIGURE 22



Use lifting platform (hoist) that is capable of raising the body separately from the wheels, lift body at the lifting points prescribed by the vehicle manufacturer.

24. THE REAR CROSSMEMBER BOLT POINTS. (FIGURE 23)

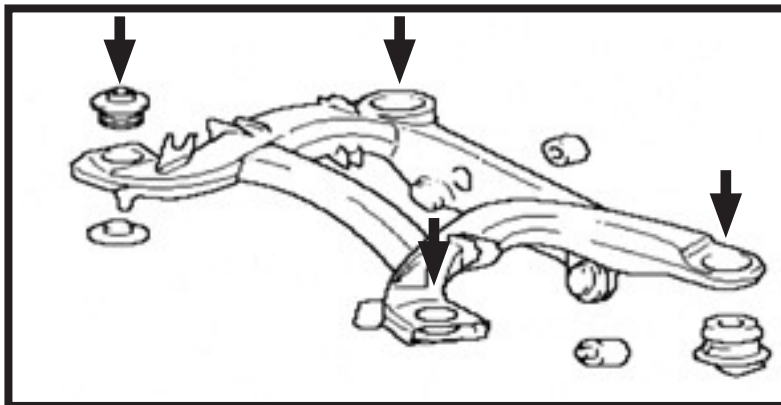


FIGURE 23

25. LOWER THE VEHICLE AND POSITION JACK STANDS TO SUPPORT THE REAR SUB FRAME. REMOVE THE FOUR (4) BOLTS HOLDING THE SUB FRAME TO THE VEHICLE. (FIGURE 24)



FIGURE 24

26. SUPPORT CROSSMEMBER ASSEMBLY ON JACK STANDS, AND RAISE VEHICLE TO ACCESS THE AIR SPRINGS. (FIGURE 25)



FIGURE 25

27. LOCATE, LOOSEN, AND REMOVE THE SWAYBAR BOLTS. (FIGURE 26)



FIGURE 26

28. RAISE SWAY BAR TOWARDS REAR OF VEHICLE. (FIGURE 27)



FIGURE 27

29. LOOSEN, AND REMOVE THE BOLTS FOR THE AIR RESEVOIRS. (FIGURE 28)



FIGURE 28

30. REMOVE BOTH AIR SPRINGS AND RESERVOIRS. (FIGURE 29)



FIGURE 29

31. WITH THE AIR SPRINGS REMOVED, REMOVE THE AIR LINES FROM THE TOP MOUNT OF THE AIR SPRINGS. (FIGURE 30)



FIGURE 30

32. REMOVAL COMPLETE.

## AIR SPRING INSTALLATION



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

1. INSTALLATION IS IN REVERSE ORDER OF AIR SPRING REMOVAL.