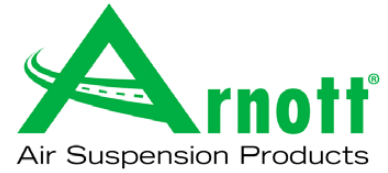


# Installation Manual

A-2725  
ARNOTT REAR AIR SPRING  
FOR 2002-2009 MERCEDES-BENZ E-CLASS (AMG)  
FOR 2005-2011 MERCEDES-BENZ CLS-CLASS (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 hand, ear, and eye protection when servicing the air suspension system.*

### KIT CONTAINS:

#### PARTS LIST

P/N	QTY	DESCRIPTION
21-7074	1	ARNOTT REAR AIR SPRING
21-7073	1	ACCESSORY KIT

## 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-2725 Eliminates The Need For An Air Reservoir. (See Above Photo)

# Installation Manual

A-2725  
ARNOTT REAR AIR SPRING  
FOR 2002-2009 MERCEDES-BENZ E-CLASS (AMG)  
FOR 2005-2011 MERCEDES-BENZ CLS-CLASS (AMG)



## GENERAL INFORMATION:

- 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.*

## AIR SPRING REMOVAL

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



FIGURE 1



FIGURE 2

3. REMOVE THE BOLTS FROM FENDER WELL. (FIGURE 3, 4)



FIGURE 3



FIGURE 4

4. REMOVE THE PUSH PINS FROM FENDER WELL TO EXPOSE THE SENSOR JUNCTION BLOCK. (FIGURE 5, 6)



FIGURE 5



FIGURE 6

5. MARK THE CONNECTIONS TO ENSURE PROPER PLACEMENT IN REASSEMBLY, REMOVE RETAINING CLIP AND UNPLUG SENSOR LINES. (FIGURE 7, 8)

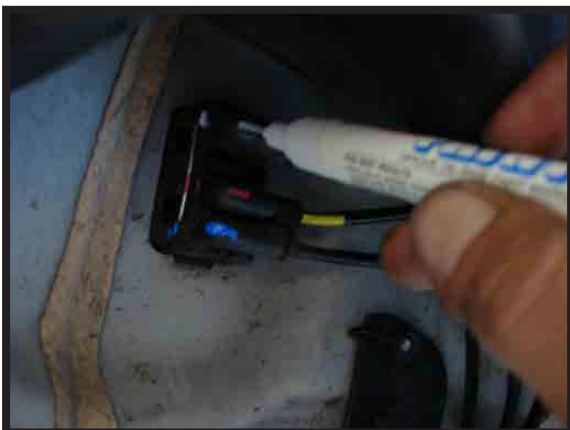


FIGURE 7

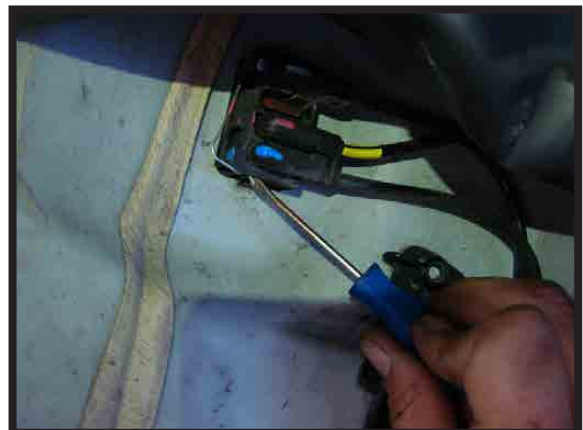


FIGURE 8

6. REMOVE THE SENSOR LINES FROM THE BRACKETS. (FIGURE 9, 10, 11, 12)

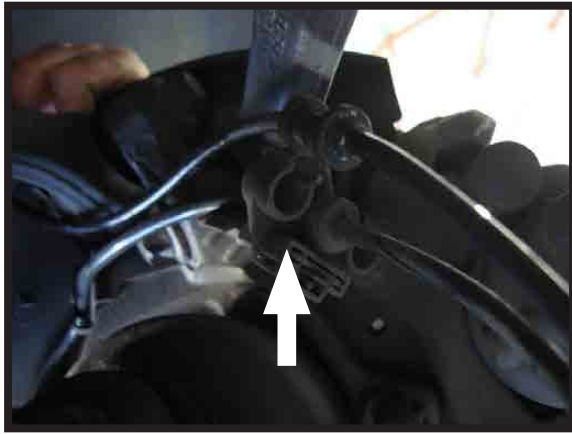


FIGURE 9

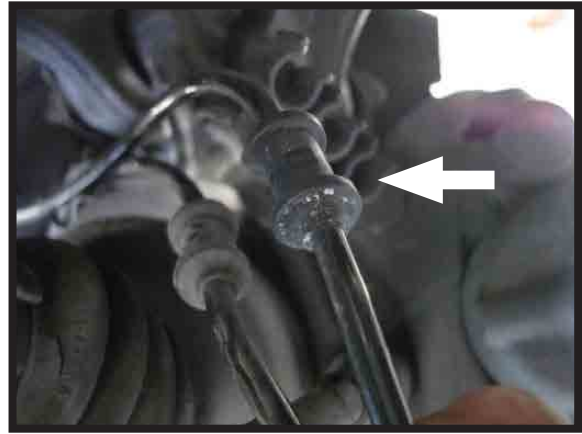


FIGURE 10



FIGURE 11



FIGURE 12

7. REMOVE THE AIR SPRING BOLTS FROM THE LOWER CONTROL ARMS. (FIGURE 13, 14)



FIGURE 13



FIGURE 14

8. REMOVE THE LOWER SHOCK BOLTS. (FIGURE 15, 16)



FIGURE 15



FIGURE 16

9. REMOVE THE MOUNTING NUT FROM THE AIR BLOCK. CLEARLY MARK THE AIRLINES ON THE AIR DISTRIBUTION BLOCK BEFORE DISCONNECTING. (FIGURE 17, 18)

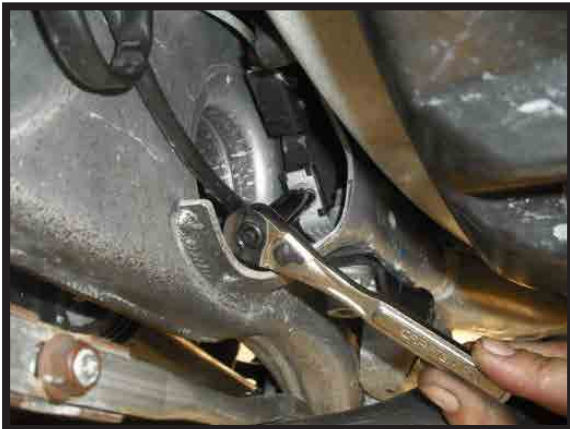


FIGURE 17

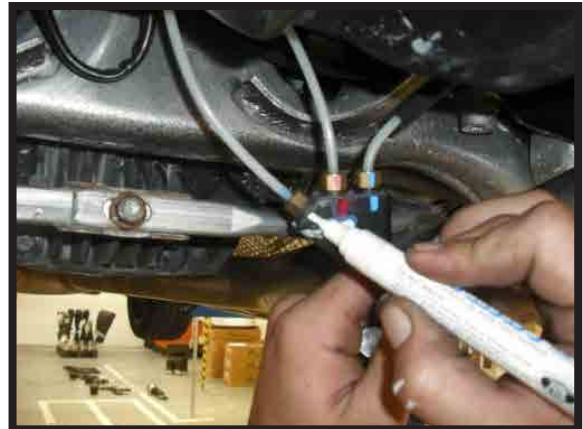


FIGURE 18

10. AFTER THE AIR LINES ARE REMOVED, UNPLUG THE AIR SPRINGS VALVE WIRING. (FIGURE 19, 20)



FIGURE 19



FIGURE 20

11. SUPPORT EXHAUST, LOOSEN AND REMOVE EXHAUST FLANGE BOLTS. (FIGURE 21, 22, 23)

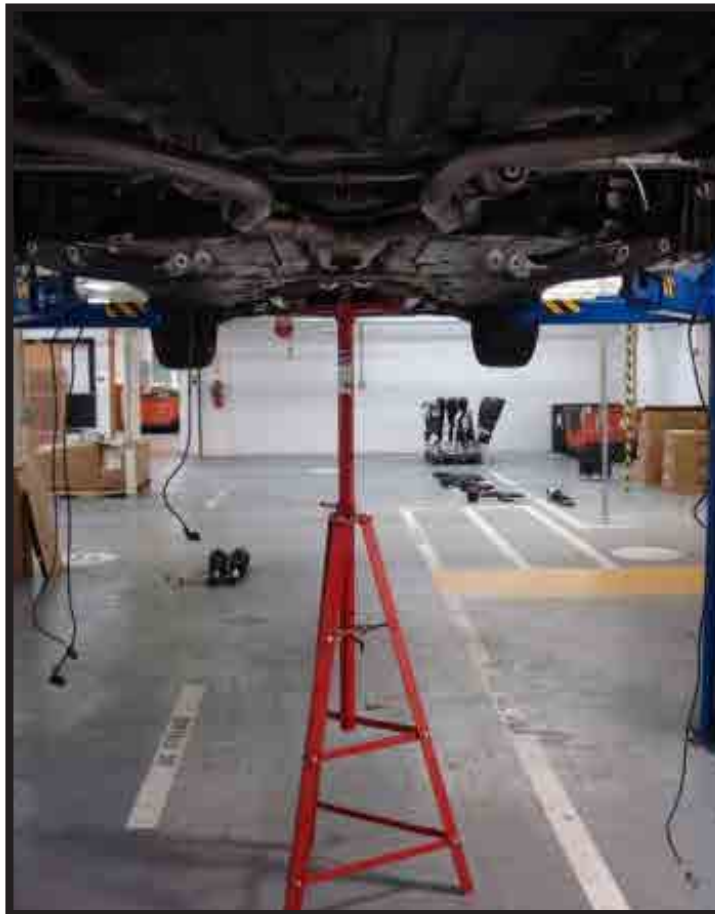


FIGURE 21



FIGURE 22



FIGURE 23

12. WITH THE EXHAUST STILL SUPPORTED, REMOVE THE RUBBER HANGERS. THEN REMOVE THE EXHAUST. (FIGURE 24, 25, 26)

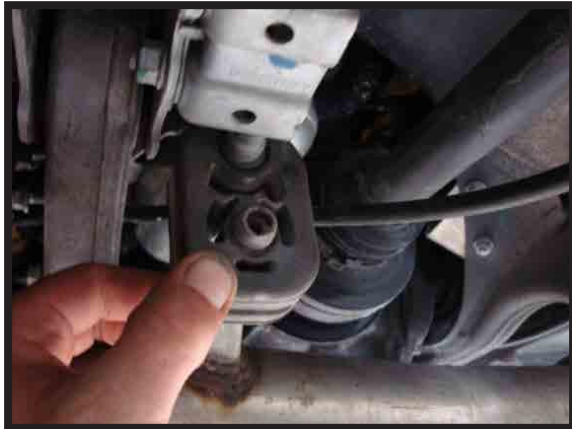


FIGURE 24



FIGURE 25



FIGURE 26

13. REMOVE THE DRIVESHAFT SAFETY BAR, AND THE TWO-PIECE HEAT SHIELD TO EXPOSE THE DRIVE SHAFT CARRIER BEARING. (FIGURE 27, 28)



FIGURE 27



FIGURE 28



14. REMOVE THE TWO BOLTS HOLDING THE CARRIER BEARING. CAREFULLY LOWER. (FIGURE 29, 30)



FIGURE 29



FIGURE 30

15. REMOVE THE REAR DRIVESHAFT BOLTS. (FIGURE 31, 32)

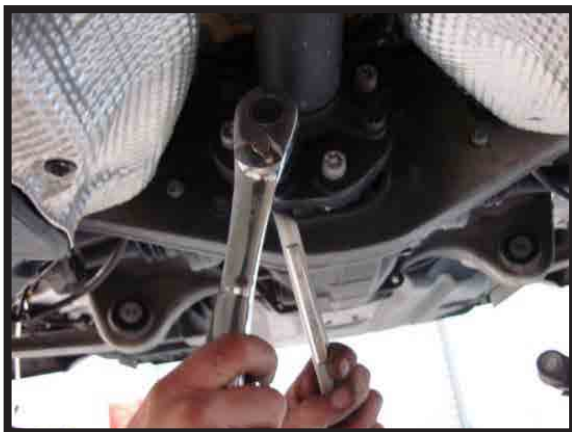


FIGURE 31

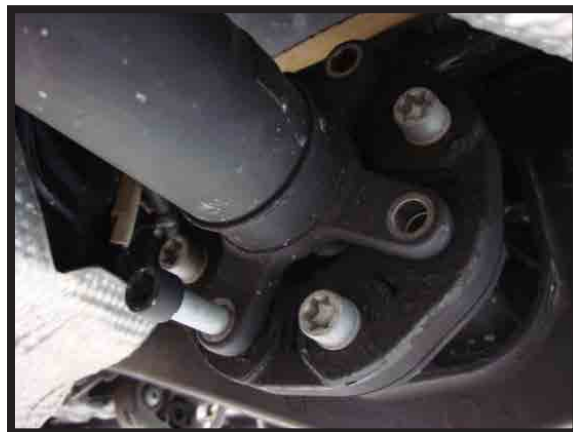


FIGURE 32

16. SLIDE THE DRIVESHAFT TOWARD THE FRONT OF VEHICLE AND REMOVE. (FIGURE 33, 34)



FIGURE 33



FIGURE 34

17. LOOSEN BOLTS AND REMOVE THE REAR HEAT SHIELDS. (FIGURE 35, 36)



FIGURE 35



FIGURE 36

18. LOOSEN BOLTS AND REMOVE BOTH REAR ROCK GUARDS. (FIGURE 37, 38)



FIGURE 37



FIGURE 38

19. REMOVE CALIPER CLIPS, AND THEN REMOVE BOLTS FROM BRAKE PAD WEAR SENSORS. (FIGURE 39, 40)



FIGURE 39



FIGURE 40

20. UNPLUG THE BRAKE PAD WEAR SENSORS. (FIGURE 41, 42)



FIGURE 41



FIGURE 42

21. REMOVE THE CAPS FROM THE CALIPER MOUNTING BOLTS, LOOSEN AND REMOVE BOLTS. (FIGURE 43, 44)



FIGURE 43



FIGURE 44

22. REMOVE CALIPERS, AND SUSPEND WITH CABLE TIES. (FIGURE 45, 46)



FIGURE 45



FIGURE 46



**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 47, 48)



FIGURE 47



FIGURE 48



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 49)

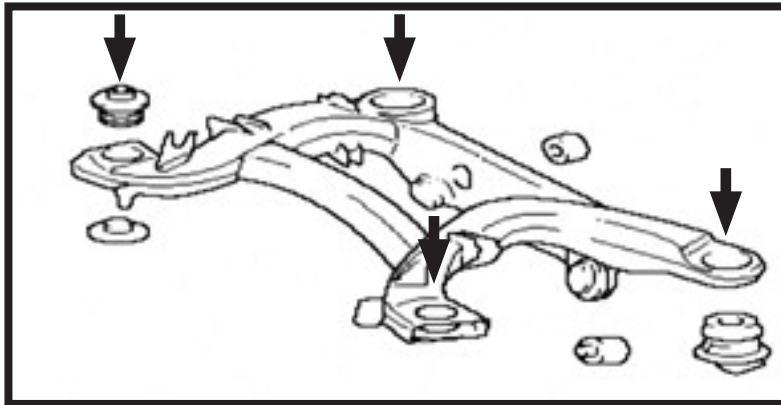


FIGURE 49

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 50, 51)



FIGURE 50



FIGURE 51

26. SUPPORT CROSSMEMBER ASSEMBLY ON JACK STANDS, AND RAISE VEHICLE TO ACCESS THE AIR SPRINGS. (FIGURE 52)



FIGURE 52

27. LOCATE, LOOSEN, AND REMOVE THE SWAYBAR BOLTS. (FIGURE 53, 54)



FIGURE 53



FIGURE 54

28. RAISE SWAY BAR TOWARDS REAR OF VEHICLE. (FIGURE 55)



FIGURE 55

29. LOOSEN, AND REMOVE THE BOLTS FOR THE AIR RESEVOIRS. (FIGURE 56, 57)



FIGURE 56



FIGURE 57

30. REMOVE BOTH AIR SPRINGS AND RESERVOIRS. (FIGURE 58, 59)



FIGURE 58



FIGURE 59

31. WITH THE AIR SPRINGS REMOVED, REMOVE THE AIR LINES FROM THE TOP MOUNT OF THE AIR SPRINGS. (FIGURE 60, 61)



FIGURE 60

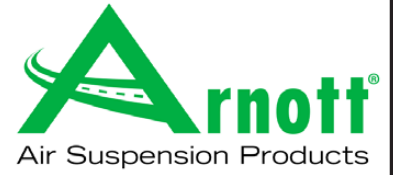


FIGURE 61

32. REMOVAL COMPLETE.

# Installation Manual

A-2725  
ARNOTT REAR AIR SPRING  
FOR 2002-2009 MERCEDES-BENZ E-CLASS (AMG)  
FOR 2005-2011 MERCEDES-BENZ CLS-CLASS (AMG)



## AIR SHOCK INSTALLATION



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

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