



AS-2301
2003-2009
MERCEDES E 550
LEFT FRONT AIR SUSPENSION



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.

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 ride system prior to dis-assembly. 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
21-6482	1	FRONT AIR SUSPENSION



General information:


- * *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 shock assembly can be incurred if work is carried out in a manner other than specified in the instructions or in a different sequence.*

FRONT SHOCK REMOVAL:

NOTE: REMOVAL AND INSTALLATION IS FOR BOTH OF THE FRONT AIR SPRINGS.

 *The ignition must remain switched off during the shock removal and replacement.*

1.0 SET STEERING TO STRAIGHT AHEAD.

 *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. Vehicle slippage can cause danger to life and limb.*

2.0 RAISE VEHICLE.

3.0 REMOVE FRONT TIRE(S). (FIGURE 10-1)



FIGURE 10-1



4.0 LOCATE AND REMOVE UPPER A ARM BALL JOINT NUT. (FIGURE 10-2)



FIGURE 10-2

5.0 SEPARATE BALL JOINT FROM HUB ASSEMBLY. (FIGURE 10-3)



FIGURE 10-3

6.0 REMOVE SENSOR LINES FROM BRACKETS. (FIGURE 10-4)



FIGURE 10-4



- 7.0 REMOVE INNER FENDER WELL SCREWS. LOCATE AND DISCONNECT C (FIGURE 10-5)



FIGURE 10-5

- 8.0 DISCONNECT ELECTRICAL PLUG. (FIGURE 10-6)



FIGURE 10-6

- 9.0 LOOSEN LOWER SHOCK MOUNTING BOLT. (FIGURE 10-7)



FIGURE 10-7



10.0 REMOVE AIR LINE. (FIGURE 10-8)



FIGURE 10-8

11.0 UNPLUG ELECTRICAL CONNECTOR. (FIGURE 10-9)



FIGURE 10-9



12.0 REMOVE 3 TOP MOUNTING BOLTS. (FIGURE 10-10)



FIGURE 10-10

13.0 LOWER SHOCK MOUNTING BOLT AND REMOVE. (FIGURE 10-11)



FIGURE 10-11



14.0 SHOCK IS FREE TO REMOVE. (FIGURE 10-12)



FIGURE 10-12

15.0 REMOVAL COMPLETE.

16.0 INSTALLATION IS REVERSE ORDER AS REMOVAL (TIGHTEN ALL MOUNTING HARDWARE TO FACTORY SPECIFICATIONS).