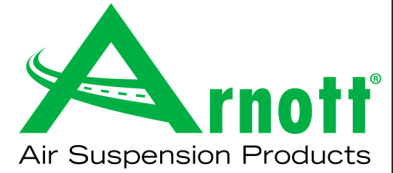


# Installation Manual

AS-2193  
ARNOTT REMANUFACTURED FRONT AIR STRUT  
FOR 1996-2006  
MERCEDES-BENZ S-CLASS (W220 CHASSIS)



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.

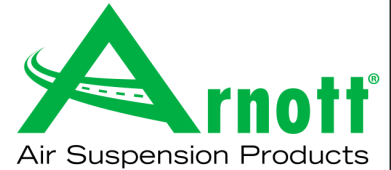
### KIT CONTAINS:

#### PARTS LIST

P/N	QTY	DESCRIPTION
21-4224	1	ARNOTT REMANUFACTURED FRONT AIR STRUT
21-6491	1	INSTRUCTION PACKET

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## 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 STRUT REMOVAL

1. SET STEERING TO STRAIGHT AHEAD.
2. LOCATE AND REMOVE THE AIR COMPRESSOR FUSE. (FIGURE A)



FIGURE A

3. RAISE THE VEHICLE.
4. REMOVE FRONT WHEEL.

5. DISCONNECT THE SHOCK CONTROL CABLE CONNECTOR LOCATED IN THE FENDER WELL. (FIGURE B)



FIGURE B

6. LOOSEN THE TWO (2) SET SCREWS (180 DEGREES APART) LOCATED ON THE BOTTOM OF THE SHOCK ASSEMBLY.  
7. RAISE HOOD.  
8. DISCONNECT THE AIR SUPPLY LINE TO THE SHOCK ASSEMBLY. (FIGURE C)



FIGURE C

9. REMOVE THE THREE (3) NUTS HOLDING THE TOP MOUNT OF THE SHOCK. (FIGURE D)



FIGURE D

10. SEPARATE UPPER CONTROL ARM BALLJOINT FROM THE SPINDLE. (FIGURE E)



FIGURE E

11. REMOVAL COMPLETE.

## AIR STRUT INSTALLATION



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

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