



**SSAS02605N**  
**DI.PA. SPORT FRONT AIR STRUT**  
**FOR 1999-2006**  
**MERCEDES-BENZ S-CLASS (W220 CHASSIS)**  
**W/O ABC, W/O 4MATIC**



**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.*



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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. RAISE THE VEHICLE.
3. REMOVE FRONT WHEEL.
4. DISCONNECT THE SHOCK CONTROL CABLE CONNECTOR LOCATED IN THE FENDER WELL. (FIGURE A)



FIGURE A



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5. LOOSEN THE TWO (2) SET SCREWS (180 DEGREES APART) LOCATED ON THE BOTTOM OF THE SHOCK ASSEMBLY. (FIGURE B)



FIGURE B

6. RAISE HOOD AND DISCONNECT THE AIR LINE FROM THE SHOCK ASSEMBLY. REMOVE THE AIR LINE FITTING FROM THE AIR HOSE AND DISCARD. (FIGURE C)



FIGURE C

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



FIGURE D



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8. SEPARATE UPPER CONTROL ARM BALL JOINT FROM THE SPINDLE ASSEMBLY AND REMOVE THE AIR STRUT. (FIGURE E)



FIGURE E

9. REMOVAL COMPLETE.

### AIR STRUT INSTALLATION



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



*Do not remove the air fitting from the air strut. 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 REVERSE ORDER OF AIR STRUT REMOVAL.