



**SSAS02300R**  
**DI.PA. SPORT REMANUFACTURED**  
**FRONT RIGHT AIR STRUT**  
**FOR 2002-2009 MERCEDES-BENZ E-CLASS**  
**FOR 2005-2011 MERCEDES-BENZ CLS-CLASS**  
**(AMG 55 & 63)**



**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. (FIGURE A, B)



FIGURE A



FIGURE B



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4. LOCATE AND REMOVE UPPER CONTROL ARM BALL JOINT NUT. (FIGURE C, D)



FIGURE C



FIGURE D

5. SEPARATE BALL JOINT FROM SPINDLE ASSEMBLY. (FIGURE E)



FIGURE E

6. REMOVE SENSOR LINES FROM BRACKETS. (FIGURE F)

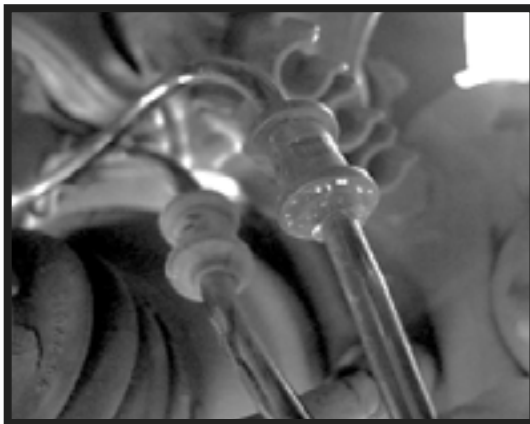


FIGURE F



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7. REMOVE INNER FENDER WELL SCREWS. (FIGURE G, H)



FIGURE G



FIGURE H

8. LOCATE AND DISCONNECT ELECTRICAL PLUG. (FIGURE I)



FIGURE I

9. LOOSEN LOWER SHOCK MOUNTING BOLT. (FIGURE J)



FIGURE J



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10. DISCONNECT THE AIR LINE FROM THE TOP OF THE STRUT. (FIGURE K)



FIGURE K

11. UNPLUG ELECTRICAL CONNECTOR. (FIGURE L)



FIGURE L





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12. REMOVE THREE(3) TOP MOUNTING BOLTS. (FIGURE M, N, O)



FIGURE M



FIGURE N



FIGURE O

13. REMOVE LOWER SHOCK MOUNTING BOLT. (FIGURE P, Q)



FIGURE P



FIGURE Q



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14. REMOVE SHOCK ASSEMBLY FROM VEHICLE. (FIGURE R)



FIGURE R

15. 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.