



SSAS02606N
DI.PA. SPORT REAR AIR STRUT
FOR 1999-2006 MERCEDES-BENZ S-CLASS
(W220 CHASSIS) W/O ABC



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 REAR WHEEL.
4. REMOVE THE SIDE COVER OF THE REAR DASH PANEL TO EXPOSE THE TOP OF THE AIR STRUT (LOCATED IN THE REAR WINDOW AREA). (FIGURE A, B)

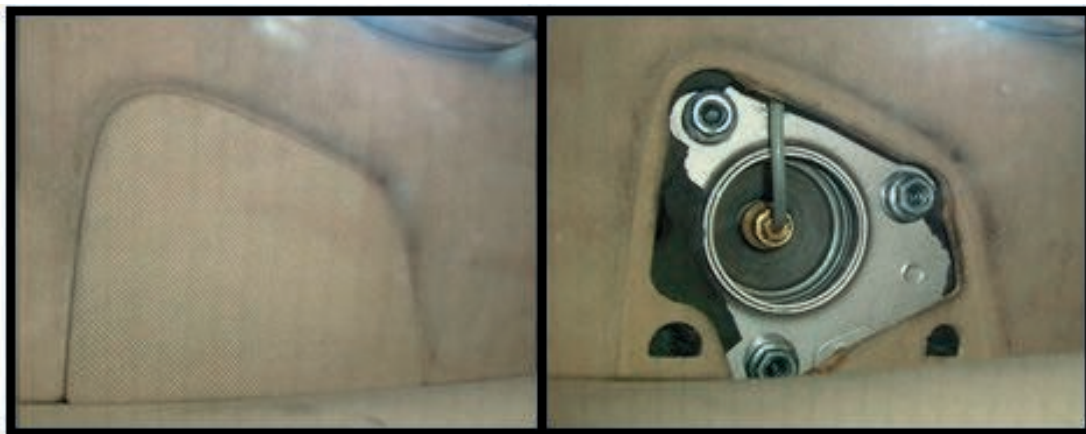


FIGURE A

FIGURE B



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6. LOOSEN AND REMOVE THE 3 MOUNTING NUTS FROM THE TOP OF THE AIR STRUT. DISCONNECT THE AIR LINE. (FIGURE C)

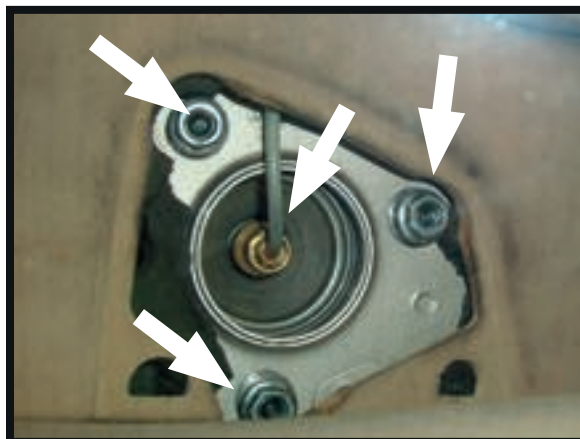


FIGURE C

7. REMOVE RUBBER BOOT AND DISCONNECT ELECTRICAL CONNECTOR LEADING TO THE SHOCK DAMPER SOLENOID. (FIGURE D, E).

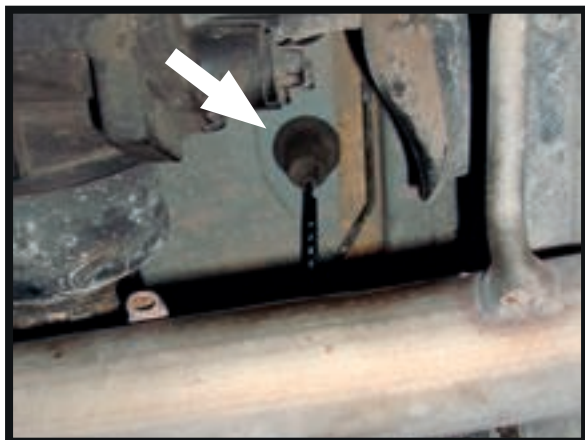


FIGURE D

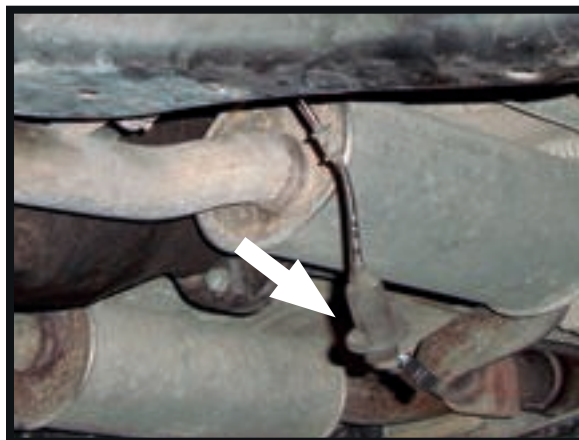


FIGURE E

8. REMOVE THE BRAKE CALIPER RETAINING CLIP. (FIGURE F)



FIGURE F



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9. LOOSEN THE TWO (2) BOLTS ON THE BACKSIDE OF THE CALIPER. (FIGURE G)

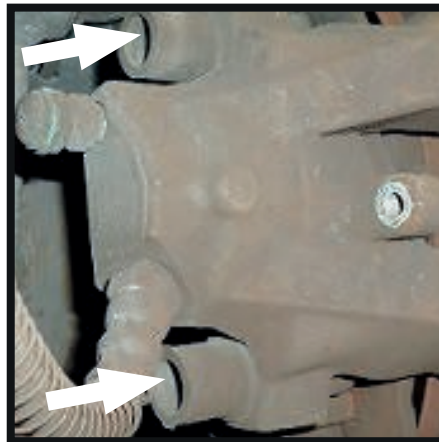


FIGURE G

10. DISCONNECT THE SENSOR CONNECTOR AND REMOVE THE SENSOR BRACKET. (FIGURE H, I)



FIGURE H



FIGURE I

11. SECURE THE CALIPER. (FIGURE J)



FIGURE J



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12. DISASSEMBLE THE OUTER SUSPENSION ARM. (FIGURE K)



FIGURE K

13. DISASSEMBLE THE STABILIZER BAR LINK. (FIGURE L, M)

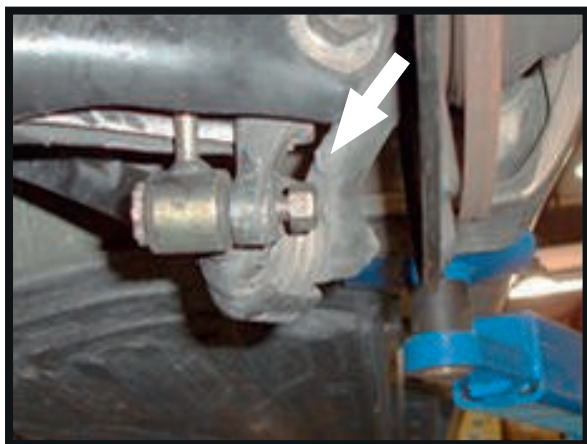


FIGURE L

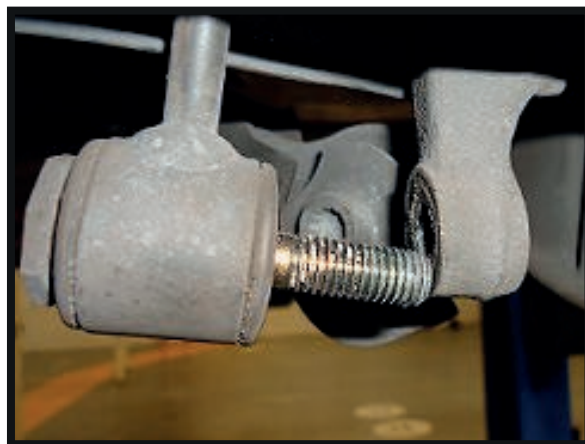


FIGURE M

14. REMOVE THE NUT AND BOLT CONNECTING THE STRUT ASSEMBLY TO THE SUSPENSION ARM. (FIGURE N)



FIGURE N



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15. LOOSEN THE LOWER CONTROL ARM NUT SLIGHTLY (THIS WILL ALLOW THE LOWER CONTROL ARM TO SWING DOWN). (FIGURE K)



FIGURE K

16. REMOVE STRUT ASSEMBLY FROM CAR. (FIGURE L, M)



FIGURE L

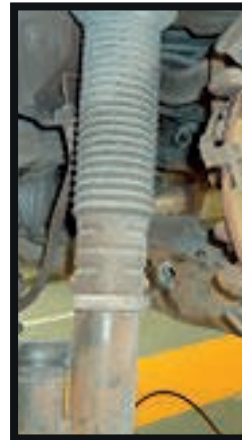


FIGURE M

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.