



SAS-10007

Rear Shock Absorber with ADS

**GENERAL WARNINGS:**

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.

The air suspension system is under pressure (max. 10 bar, or 150 lbf/in). Before disassembly, confirm that the pressure has been released and disconnect the power supply of the air suspension system. Do not let dust or grease enter the system. Always wear it when servicing the air suspension system
Standard hand, ear and eye protection.

Do not store struts below -15°C (5°F) and above 50°C (122°F)

Car Manufacturer special tools and equipment is required.

Disassembly and installation are only to be performed by fully qualified and certified personnel at a specialist garage.

Use car manufacturer's diagnostic software.

Use car manufacturer's documentation for correct tightening torques

Check air pipes and cables- renew if damaged

To avoid the possibility of short circuits while working with electric components consult your owner's manual on how to disconnect your battery.

For the correct Jack fulcrum and other maintenance, safety and maintenance instructions of the vehicle, please refer to your user manual, service manual, or consult your car dealer. In any case, do not work under the vehicle without sufficient support, because it may cause serious casualties.

Disassembly the Shock Absorber:

The ignition must remain off during work on the pneumatic spring module.

1. Adjust the steering wheel to face the front.
2. Raise the vehicle and remove the tire.(Figure 1)
3. Disconnect the air line connection of the air spring and release the pressure of the suspension. (Figure 2)
- 4.



Figure 1



Figure 2

4. Remove the leaf plate lining and disconnect the shock absorber solenoid valve line connector. (Figure 3, 4)



Figure 3

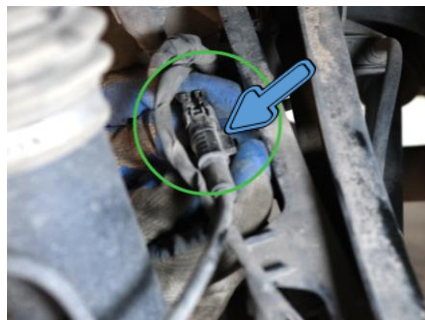


Figure 4

5. Put down the rear seat backrest, remove all corresponding trim panels in the rear luggage compartment area, and find the mounting fasteners on the top of the shock absorber. Refer to the manufacturer's instructions for removing the trim panel. (Figure5, 6, 7)



Figure 5



Figure 6



Figure 7

6. After removing the trim panel, lift the insulating material, find the mounting nut on the top of the shock absorber, and then remove the nut. (Figure 8, 9)



Figure 8

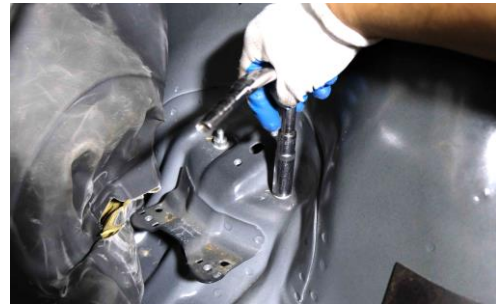


Figure 9

7. Remove the bolts installed at the bottom of the shock absorber. (Figure 10)

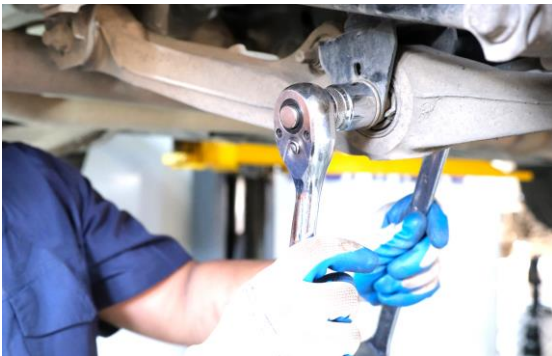


Figure 10

8. Take out the old shock absorber and compare it with the new shock absorber to confirm whether it is consistent (Figure11, 12)



Figure11



Figure12

Installation of Rear Shock Absorber



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

Installation steps:

1. Install the shock absorber into the vehicle, and pay attention to the outward direction of the shock absorber solenoid valve. (Figure 1)

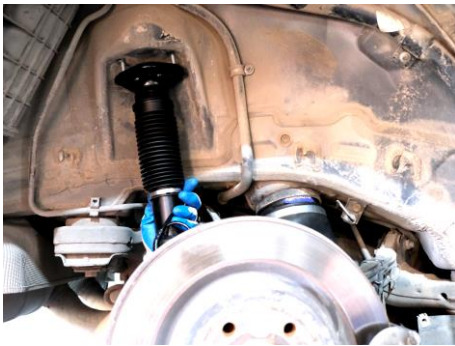


Figure 1

2. Install the connecting bolt under the shock absorber and lock the fixing nut (tighten according to the manufacturer's specification torque). (Figure2 and 3)



Figure 2



Figure 3

3. Replace the two fixing nuts on the upper end of the shock absorber (tighten according to the manufacturer's specification torque.)(Figure 4)

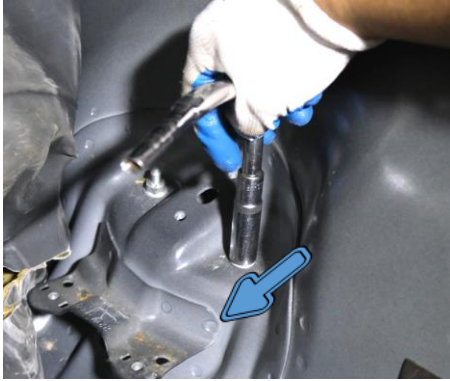


Figure 4

4. Install the trunk interior trim panel in the reverse order of removal. (Figure 6, 7)



Figure 6



Figure 7

5. Install the air line connection of the return air spring (tighten to the manufacturer's specification torque). (Figure 8)



Figure 8

6. Replace the shock absorber solenoid valve circuit connector and the leaf plate lining. (Figure 9, 10)



Figure 9



Figure 10

7. Install the car tire back. (Figure 11)



Figure 11

8. Start the vehicle and establish a connection with the vehicle with special diagnostic equipment to detect whether the fault code is abnormal. (Figure 12)

9. Installation is completed.



Attention: Do not lower the car from the lift when there is no pressure on the air suspension / air suspension module.