

# INSTALLATION GUIDE



Mercedes E-Class W211 / S211  
**REAR AIR SPRING FOR 2002-2009**

## REAR AIR SPRING FOR 2002-2009 Mercedes E-Class W211/S211



**WARNING:** The air suspension system is under pressure (up to ten bar). Before dismantling the air suspension system, always ensure that the pressure has been released and that the power supply has been disconnected. Make sure to keep the system free from dirt and (grease) grease. Always wear protective clothing for your hands, ears and eyes when servicing the air suspension system.



**CAUTION:** The vehicle and air suspension system can be damaged if maintenance work is not carried out as specified in the instructions or in a different order.

**Please also note the workshop mode, which is often forgotten and can often lead to damage to the air spring.**

Observe the instructions in the associated operating instructions for disconnecting the battery in order to avoid possible short circuits when working with electrical components.

Further information on the jack attachment points, additional care, safety and maintenance instructions can be found in the operating instructions, the maintenance manual or from your car dealer.

Under no circumstances may work be carried out underneath the vehicle without it being supported accordingly. Failure to do so can result in serious injury or death.



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## AIR SPRING REMOVAL

1. Put the steering in a straight line.
2. Raise the vehicle.
3. Remove the rear wheel.
4. To deflate, slowly remove the air tube from the top of the air spring. Remove the fitting from the air hose and discard it.
5. Push the top of the air spring to remove it from the vehicle.
6. Unscrew and discard the air spring retaining clip.
7. The removal is complete

## ASSEMBLY OF THE AIR SPRING

Tighten all screws and nuts according to the manufacturer's instructions during installation.

Do not remove the fittings from the air spring. Failure to do so can lead to malfunctions and / or loss of guarantee. Remove the white seal from the new compressed air connector and insert the air hose until it is fully inserted. If the pressure line does not sit properly and comes off, please unscrew the fitting and mount the compressed air line in the fitting as shown in Figure 3 below. Then screw the fitting with the compressed air line into the air spring.

1. The air spring should look like in the example below, **parallel to the shock absorber inclination** so that there will be no friction on the air spring in the near future. (Image 1)



Ausrichtung der Luftfeder (2) in KO-Lage kontrollieren.  
[1] Die Luftfeder (2) muss gerade und parallel zum Stoßdämpfer (5) stehen. Maße (b, c) beachten:  
Maß (b) 36,4 mm  
Maß (c) 18,7 mm  
[2] Die Schutzmanschette (6) der Luftfeder (2) muss frei beweglich sein und vom aufgeblasenen Luftfederball nach oben angehoben werden können. Die Falten der Schutzmanschette (6) müssen korrekt ausgebildet sein und dürfen keine Eindrückungen (Pfeil) nach innen aufweisen, bei Bedarf Eindrückungen von Hand entfernen.

Image 1

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2. In the second picture you can see a mounting wedge under the air spring, this mounting wedge ensures that the air spring is inclined correctly, if this inclination is not maintained, the air spring will touch other parts of the vehicle, see picture 2 and information below.



Image 2

3. Assemble the air spring using the enclosed new retaining clip in the reverse order of removal.

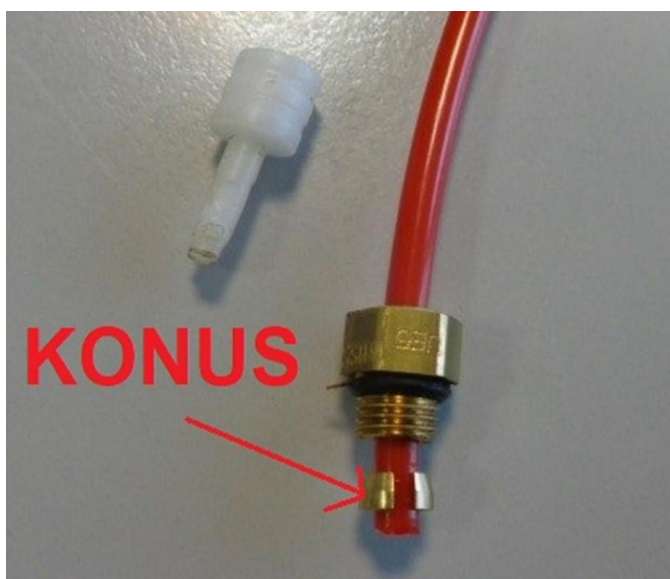


Image 3