

Vehicle drops at rear axle, display message: "AIRmatic - Service Required"

Topic number	LI32.22-P-048597
Version	1
Design group	32.22 Air suspension
Date	01-21-2010
Validity	Model 212.0## with air suspension (SA code 489) Model 212.2##
Reason for change	
Reason for block	

Complaint:

The vehicle drops at the rear axle after standing for a long time.

Attachments	
File	Designation
Vossanschluss verdreht an HA BR 212.jpg	Figure 1

Cause:

1. Damaged sealing rings in the air suspension element on the rear axle can lead to a microscopic leak and thus to a gradual loss of air.
2. Air suspension element on the rear axle installed twisted (see Figure 1), leading to extreme load on the connection piece of the air pressure line and leakage at the thread.

Remedy:

1. Perform all the leak tests for the AIRmatic using DAS and follow the instructions exactly.
2. Perform compressor test using DAS.

Note: If the compressor passes the test, it must not be replaced!

3. Check installation position of air suspension element. The connection piece of the pressure line must not make contact with the centering socket (see Figure 1). If necessary, realign the air suspension element so that the connection piece of the air pressure line is located in the cutout.

4. If the above tests produce no findings, proceed as follows:

Measure vehicle level at the rear axle on left and right from the wheel center to the fender. Leave the vehicle standing overnight and next day check the vehicle level at both wheels. If the vehicle level has dropped by more than 20 mm, the corresponding air suspension element must be replaced. If the vehicle level on both sides has dropped by more than 20 mm, both air suspension elements on the rear axle must be replaced.

XENTRY

Symptoms
Chassis / suspension / Suspension / Dampening / Suspension System Function / Vehicle level too low
Chassis / suspension / Suspension / Dampening / Suspension System Function / Level does not react
Chassis / suspension / Suspension / Dampening / Suspension System Function / Indicator lamp is on
Chassis / suspension / Suspension characteristic / Lopsided/crooked
Chassis / suspension / Suspension / Dampening / AIRMATIC / AIRMATIC leaks / Air leakage
Chassis / suspension / Suspension / Dampening / AIRMATIC / AIRMATIC display / Air Suspension- Stop, Vehicle Too Low
Chassis / suspension / Suspension / Dampening / AIRMATIC / AIRMATIC display / Air Suspension - Service Required
Chassis / suspension / Suspension / Dampening / AIRMATIC / AIRMATIC function / Vehicle is lopsided
Chassis / suspension / Suspension / Dampening / AIRMATIC / AIRMATIC function / Vehicle is too low
Chassis / suspension / Suspension / Dampening / AIRMATIC / AIRMATIC function / Vehicle lowers while driving

Parts					
Part number	Designation	Quantity	Note	EPC net	Non-EPC
A2123202125	Left rear air spring	1	As required	X	
A2123202025	Right rear air spring	1	As required	X	

Work units				
Op. no.	Operation text	Time	Damage code	Note
			32511	
			32F0B	
			32U0B	

Validity		
Vehicle	Engine	Transmission
E-Class 212	*	*

