
Vehicle drops at one or more suspension struts.

Topic number	LI32.22-P-055731
Version	1
Design group	32.22 Air suspension
Date	02-28-2013
Validity	Model series 166 with SA code 489 (Air suspension)
Reason for change	
Reason for block	

Complaint:

Vehicle occasionally drops at one or more suspension struts.

AIRMATIC symbol appears in multifunction display.

Stored fault codes:

FC: C155664 The compressed air sensor for system pressure has a malfunction. There is an implausible signal,
and additionally

FC: C157200 The correction time while filling is too long,

and additionally

FC: C156C00 The system 'Compressed air distribution' is leaking.

Cause:

Vent valve of compressor sticks sporadically.

Because of this, the compressed air escapes from the AIRMATIC system and the vehicle level drops at the suspension strut which is currently being actuated by the valve block.

Remedy:

Compressor replacement

Symptoms
Chassis/suspension / Suspension characteristic / Is unstable at high speeds
Chassis/suspension / Suspension characteristic / Spongy handling characteristics
Chassis/suspension / Suspension/Dampening / Suspension System Function / Vehicle level too low
Chassis/suspension / Suspension/Dampening / Suspension System Function / Level does not react

Control unit/fault code		
Control unit	Fault code	Fault text
AIRMATIC - AIRMATIC (N51/3) (SPC166)	C155664	The compressed air sensor for system pressure has a malfunction. There is an implausible signal.
AIRMATIC - AIRMATIC (N51/3) (SPC166)	C157200	The correction time when filling is too long.

XENTRY

AIRMATIC - AIRMATIC (N51/3) (SPC166)	C156C00	System 'Compressed air distribution' is leaky.
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Parts							
Part number	ES1	ES2	Designation	Quantity	Note	EPC	Other ma- ke part
A 166 320 01 04			Compressor assembly	1		X	

WIS-References			
Document number	Title	Note	Allocation
AR32.22-P-2001GZ	Remove/install compressor		Remedy

Validity		
Vehicle	Engine	Transmission
GL (166)	*	*
M (166)	*	*

Full model designation breakdown		
Vehicle	Engine	Transmission
166.003	651.960	722.908
166.004	651.960	722.908
166.023	642.826	722.903
166.023	642.826	725.031
166.024	642.826	722.903
166.024	642.826	725.031
166.055	276.955	722.906
166.057	276.955	722.906
166.058	276.955	722.906
166.073	278.928	722.909
166.073	278.928	725.031
166.073	278.928	725.032
166.074	157.982	722.905
166.074	157.982	722.931
166.823	642.826	722.903
166.823	642.826	725.031
166.824	642.826	722.903
166.824	642.826	725.031
166.872	278.928	722.909

XENTRY

166.872	278.928	725.031
166.872	278.928	725.032
166.873	278.928	722.909
166.873	278.928	725.031
166.873	278.928	725.032
166.874	157.982	722.905
166.874	157.982	722.931