

Suspension Display Message - eSuspension

Topic number	LI32.40-P-072070
Version	2
Function group	32.40 - Hydropneumatic suspension
Date	7/7/21
Validity	Model series 167 with SA code 489/AIRMATIC and with SA code 490/eSuspension. Except AMG model designations.
Reason for change	Incorporation of sw update

Complaint

Warning display message for eSuspension.

Cause

Various causes are possible.

Remedy

A general replacement of eSuspension components - MPE / EHSE (motor pump unit/ electrohydraulic high-pressure pump) or the suspension struts is not useful.

First check and update AFW control unit N51/8 and the four EHSE pump units M67, M67/1, M67/2 and M67/3 with new software. Be sure to use the newest Xentry release with all addons updated.

If this does not resolve the issue, then create a PTSS case and attach the following:

- Logs for control units N51/8, M67, M67/1, M67/2 and M67/3 with fault freeze frame data
- Actual values for the pressures of the four hydraulic high-pressure pumps at standstill

Symptoms						
Chassis/suspension > Suspension/Dampening > Active body control > Display message > ABC- Display Faulty Service Required						
Chassis/suspension > Suspension/Dampening > Active body control > Display message > ABC - Service Required						
Chassis/suspension > Suspension/Dampening > Active body control > Display message > -ABC- Drive carefully						
Chassis/suspension > Suspension/Dampening > Active body control > Display message > -ABC- Malfunction						
Parts						
Part number	ES1	ES2	Designation	Quantity	Note	EPC
A1673209601			Hydraulic pump, right front	1	Replacement of part is not useful, create a TIPS case	X

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A1673209501			Hydraulic pump, left front	1	Replacement of part is not useful, create a TIPS case	X
A1673209701			Hydraulic pump, left rear	1	Replacement of part is not useful, create a TIPS case	X
A1673209801			Hydraulic pump, right rear	1	Replacement of part is not useful, create a TIPS case	X
A1673207303			Left rear shock absorber	1	Replacement of part is not useful, create a TIPS case	X
A1673206104			Left rear shock absorber	1	Replacement of part is not useful, create a TIPS case	X
A1673207403			Right rear shock absorber	1	Replacement of part is not useful, create a TIPS case	X
A1673206204			Right rear shock absorber	1	Replacement of part is not useful, create a TIPS case	X
A1673202904			Suspension strut, front left and right	2	Replacement of part is not useful, create a TIPS case	X

Control unit/fault code	
Control unit	Fault text
M67 - Electrohydraulic controller unit LEFT FRONT (EHSE)	
M67 - Electrohydraulic controller unit LEFT FRONT (EHSE)	
M67/1 - Electrohydraulic controller unit RIGHT FRONT (EHSE)	
M67/1 - Electrohydraulic controller unit RIGHT FRONT (EHSE)	
M67/2 - Electrohydraulic controller unit LEFT REAR (EHSE)	
M67/2 - Electrohydraulic controller unit LEFT REAR (EHSE)	
M67/3 - Electrohydraulic controller unit RIGHT REAR (EHSE)	
M67/3 - Electrohydraulic controller unit RIGHT REAR (EHSE)	
N51/8 - Active suspension and damping system (Active suspension)	
N51/8 - Active suspension and damping system (Active suspension)	

Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note