

## Rear wing fault code cannot be deleted, function OK

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Topic number	LI54.21-P-069935
Version	1
Function group	54.21 Control units / basic modules
Date	06-14-2019
Validity	X290 with electric rear wing
Reason for change	
Reason for block	

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### Complaint:

Fault code B185309 stored in rear wing control unit N170 and not deletable.

Function of rear spoiler (retract and extend) is given, both when in driving mode and manually using the button in the interior.

Attachments	
File	Description
Kurztest FC.JPG	Quick test FC
Steuergeräte-Protokoll FC.JPG	Control units log FC

### Cause:

During diagnosis communication (e.g. quick test) the AMG Drive Unit detects a message failure on the AERO-LIN -> Fault code B185309 is stored by the AMG Drive Unit in N170 (rear wing).

### Remedy:

Check function of rear spoiler (in driving mode and manually using button in the interior)

-> If the function is OK, create current quick test and check next point

-> If in the quick test for the N170 rear wing, only fault code B185309 is stored (not current) (see attachment "Quick Test FC"), create control units log for N170 and check next point

-> If, in the control units log, under fault code B185309 the line "IntErr\_LINCommunicationError" is set to "True" and all other lines are set to "False" (see attachment "Control units log FC"), ignore the fault code and stop the process.

If check is not OK, create a PTSS case.

Symptoms
Overall vehicle / Networking / LIN communication / Malfunction

Control unit/fault code		
Control unit	Fault code	Fault text

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# XENTRY TIPS

N145/1 - AMG DRIVE UNIT (AMG DRVU) (DRVU_NG)	B185309	The drive unit 'Rear spoiler' has a malfunction. There is a component fault.
N145/1 - AMG DRIVE UNIT (AMG DRVU) (DRVU_NG)	B185309	The drive unit 'Rear spoiler' has a malfunction. There is a component fault. (AERO290)
N145/1 - AMG DRIVE UNIT (AMG DRVU) (DRVU_NG)	B185309	The drive unit 'Rear spoiler' has a malfunction. There is a component fault. (CTRL_L_AMG)

## Attachments

Kurztest FC.JPG:

LIN: N170 - Rear wing (HFL) -f-			
MB object number for hardware	000 901 80 07	MB object number for software	000 902 87 42
Diagnosis identifier	000007	Hardware version	17/34 001
Software version	17/39 001	Boot software version	17/39 001
Hardware supplier	Daimler	Software supplier	Daimler
Control unit variant	AERO290_AERO290_C0		
Fault	Text	Status	
B185309	Drive unit 'Rear spoiler' button has a malfunction. There is a component fault.	S	

Steuergeräte-Protokoll  
FC.JPG:

LIN: N170 - Rear wing (HFL) -f-			
MB object number for hardware	000 901 80 07	MB object number for software	000 902 87 42
Diagnosis identifier	000007	Hardware version	17/34 001
Software version	17/39 001	Boot software version	17/39 001
Hardware supplier	Daimler	Software supplier	Daimler
Control unit variant	AERO290_AERO290_C0		
Fault	Text	Status	
B185309	Drive unit 'Rear spoiler' button has a malfunction. There is a component fault.	S	
Name	First occurrence	Last occurrence	
DL_RLtch_Stat_closed	True	False	
IntErr_EOSShuntFail	False	False	
IntErr_GeneralTimeout_Event	False	False	
IntErr_HallSensNotDetectable	False	False	
IntErr_ISP_Error	False	False	
IntErr_LINCommunicationError	True	True	
IntErr_LIN_MM_PwmRs	False	False	
IntErr_MM_Hallsens_1	False	False	
IntErr_MM_Hallsens_2	False	False	
IntErr_MM_Hallsens_3	False	False	
IntErr_MM_Hallsens_4	False	False	
IntErr_MM_Hallsens_5	False	False	
IntErr_MM_NoIncs_1	False	---	
IntErr_MM_NoIncs_2	False	---	
IntErr_MM_NoIncs_3	False	---	
IntErr_MM_NoIncs_4	False	---	
IntErr_MM_NoIncs_5	False	---	
IntErr_MM_NoSens_1	False	---	