

Rear Spoiler Sporadically Nonfunctional with Fault Message in Instrument Cluster

Topic number	LI77.25-P-073749
Version	3
Function group	77.25 - Wind deflector (spoiler)
Date	7/13/23
Validity	All X290 as of beginning of production without code U99/ U94
Reason for change	TIPS case information supplemented

Complaint

Rear spoiler sporadically remains in opened position or does not extend and a fault message appears in the instrument cluster.

The rear spoiler can then no longer be retracted manually using the button.

The function of the rear spoiler is re-established after an ignition reset and the fault message is no longer present in the instrument cluster.

Cause

Possible causes:

- Coding of the AMG DRIVE UNIT for recognition of Hall sensor when retracting rear spoiler.
- Hardware tolerances / hardware wear

Remedy

If new software for the AMG DRIVE UNIT is available, carry out the software update.

If the vehicle already has the most current version of the AMG DRIVE UNIT software installed, conduct SCN coding of the AMG DRIVE UNIT.

Then check the currently learned actual values under the path "DRVU -> Actual values -> Rear wing sensor system" (print AV screen prior to completing initialization -- if necessary):

If the values are all within the target range (green):

--> Subject the vehicle to a final inspection/test drive and, if the findings report is OK, return it to the customer.

If the values are not within the target range (red):

--> Re-initialize the rear spoiler (if necessary up to 5x) until all values are in the target area (green).

XENTRY TIPS

If OK:

--> Subject the vehicle to a final inspection/test drive and, if the findings report is OK, return it to the customer.

if not OK

--> If the values are still outside of the target range even after repeated initialization (5x or more) or a fault message appears again during the test drive

--> Create a TIPS case with the following information:

- When exactly does the fault message appear (at which speed, when accelerating or braking, automatic mode, etc.)?
- Is the symptom sporadic or continuous?
- Does the fault message disappear following an ignition reset/BUS idle and is the function of the rear spoiler then (momentarily) restored?
- Is the fault reproducible and if so, how?

Attach the following files:

- Quick test
- Control unit log for AMG DRIVE UNIT + rear wing (DRVU + HFL)
- IC event memory
- Currently learned actual values prior to initialization
- Currently learned actual values following initialization
- Power consumption of rear spoiler (XENTRY: Configuration -> Coding -> Coding of power parameter)

Symptoms				
Body > Body/Cab > Spoiler > Does not move in/out				
Control unit/fault code				
Control unit		Fault text		
N145/1 - AMG DRIVE UNIT (AMG DRVU) (DRVU_NG)				
Operation numbers/damage codes				
Op. no.	Operation text	Time	Damage code	Note