

## IC Message “Headlamp Inoperative” or “Adaptive High Beam Assist Inoperative” Without Functional Limitation

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Topic number	LI82.10-P-080467
Version	1
Function group	82.10 - Exterior lights
Date	5/13/26
Validity	All 167 model series
Reason for change	

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### Complaint

Despite the IC message shown in these complaints, the primary low-beam function is not restricted.

#### Complaint No. 1:

Sporadic "Headlamp Inoperative" message in the instrument cluster (IC), fault code in control unit N10/6 FSAM:

- U118A02 communication with the left headlamp range adjustment control unit is faulty. General signal fault.  
or
- U118A08 Communication with the left headlamp range adjustment control unit is faulty. Faulty signal or faulty message.

#### Complaint No. 2:

The instrument cluster (IC) displays the message "Adaptive High Beam Assist inoperative"; fault code present in LED control unit E1n11 or E2n11:

- B178392 "LED driving light actuation" control unit is faulty. Function or command is faulty.

### Cause

Complaint No. 1: software fault.

Complaint No. 2: undervoltage threshold value set inappropriately during vehicle start.

### Remedy

For complaint No. 1 and No. 2:

Perform a software update on all headlamp and LED control units:

E1n9, E1n11, E2n9 and E2n11

# XENTRY Tips

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## If the fault persists:

- For complaint No. 1:  
Replace HLI E1n9 control unit.
- For complaint No. 2:  
Replace PXL E1n11 or E2n11 control unit.

## Note:

Headlamps must not be replaced for these complaints.

## Disclaimer

NOTE: The information contained in this document is intended for use by trained, professional technicians with the knowledge to properly and safely perform diagnosis and repairs on Mercedes-Benz vehicles, using Mercedes-Benz approved tools and equipment. It informs service technicians about conditions that could occur in certain vehicles and provides information that could assist in proper vehicle diagnosis, service, or repair. It does not indicate that a defect is present in any vehicle referenced in this document nor does it imply warranty coverage. DO NOT assume that a symptom or condition, or a described cause of a symptom or condition, affects any particular vehicle or groups of vehicles, or that a described repair applies to any particular vehicle or groups of vehicles. There can be multiple causes resulting in the same or similar symptoms or conditions described in this document, and trained professional service technicians must use their diagnostic skills to make evaluations on a case-by-case basis. The information contained in this document does not guarantee warranty coverage nor does it extend the vehicle's warranty in any way.

### Symptoms

Lighting > Exterior lights > Driving lights > High beams > Indicator lamp > lit

Lighting > Exterior lights > Driving lights > Low beams > Indicator lamp > lit

### Operation numbers/damage codes

Op. no.	Operation text	Time	Damage code	Note
	Voltage converter for LED signaling light, right	H	87N0Y90	
1	Voltage converter for LED low beam, high beam, left	H	87A0Y90	
2	Voltage converter for LED for low beam, high beam, right	H	87N0Y90	
3	Voltage converter for LED signaling light, left	H	87A0X90	