

2018 Mercedes Benz E63S AMG 4MATIC Sed (213.089) V8-4.0L Turbo (177.980)

Vehicle > Technical Service Bulletins

HIGH BEAM ASSIST NONFUNCTIONAL AND/OR LOW BEAM SOMETIMES STAYS ILLUMINATED ON ONE SIDE



Mercedes-Benz

- High beam assist nonfunctional and/or low beam sometimes stays illuminated on one side

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Topic number	LI82.10-P-071235
Version	1
Function group	82.10 Exterior lights
Date	04-29-2020
Validity	BR177; BR205 (facelift), BR257, BR213, BR253 (facelift); BR167; BR238, BR257 (facelift), BR231 (facelift) SA code: 641, 642
Reason for change	

Complaint

These fault messages may appear in instrument cluster independent of each other: "Adaptive Highbeam Assist Inoperative", "Low Beam Right (Left) Defective" or "IHC Inoperative".

Headlamp sometimes stays illuminated on one side.

Cause

The voltage parameters in the headlamp control unit (PXL) may be too sensitive. (functional safety fault)

Following fault messages / fault codes are stored in the Xentry quick test:

- N10/6 - Signal acquisition (SAM-F)

U118A02: Communication with the control unit 'Left (right) headlamp range control' has a malfunction. There is a general signal fault

- E1n11 / E2n11 - LED Matrix (ECU-LML-LF / ECU-LML-LF)

B178392: The control unit 'LED driving lights actuation module' has a malfunction. The function or the instruction is faulty

- A40/13 - Multifunction camera (MFK) if high beam assistant is active

U120B97: Communication with the 'headlamp' control unit has a malfunction. System function is restricted

Remedy

Re-SCN code (parameter adaptation in control unit) these PXL headlamp control units: E1n11 and E2n11.

Symptoms

Symptom

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

Lighting / Exterior lights / Driving lights / Adaptive Highbeam Assist / Warning message in instrument cluster

Control unit/fault code

Control unit	Fault code	Fault code description
A40/13 - Multifunction camera (MFK) (SMPC213) (GLC (253),E (213),GLE (167),CLS (257),C (205),A (177),E (238))	U120B97	Communication with the control unit 'Headlamp' has a malfunction. The system function is restricted.
E1n11 - LED matrix of left front lamp unit (SG-LML-VL) (PXL213_FL) (GLC (253),E (213),GLE (167),CLS (257),C (205),E (238))	B178392	Control unit "LED driving lights actuation module" has a malfunction. The function or the instruction is faulty.
N10 - Signal acquisition and actuation module (SAM) (BCMFA2) (A (177))	U118A02	Communication with control unit 'Left headlamp range adjustment' has a malfunction. There is a general signal fault. (VCS177)
E1n11 - LED matrix of left front lamp unit (SG-LML-VL) (PXL177_FL) (A (177))	B178392	Control unit "LED driving lights actuation module" has a malfunction. The function or the instruction is faulty.
E2n11 - LED matrix of right front lamp unit (SG-LML-VR) (PXL177_FR) (A (177))	B178392	Control unit "LED driving lights actuation module" has a malfunction. The function or the instruction is faulty.
E2n11 - LED matrix of right front lamp unit (SG-LML-VR) (PXL213_FR) (GLC (253),E (213),GLE (167),CLS (257),C (205),E (238))	B178392	Control unit "LED driving lights actuation module" has a malfunction. The function or the instruction is faulty.