



SIB 63 09 25
FAILURE/MALFUNCTION OF THE AMBIENT LIGHTING

2025-09-09

☒	THIS REPAIR IS MOBILE FRIENDLY
☐	THIS REPAIR IS REMOTE SOFTWARE UPGRADE (RSU) FRIENDLY

MODEL

E-Series	Model Description	Affected Option Code
F74	2 Series Gran Coupe	43U – Illuminated Aluminum Graphite Trim, or 43Z – M Illuminated Aluminum Hexacube Matte Trim
G45	X3 Sports Activity Vehicle	4UR – Ambient Lighting

SITUATION



After programming the vehicle via ISTA/RSU to 25-07-5xx, some of the interior ambient lighting strips (examples circled) may no longer function properly.

Possible fault codes entries for F74:

- 804A38 – Interior lights layering (IL-LIN_3): versioning incorrect: LIN slave 5
- 804A39 – Interior lights layering (IL-LIN_3): versioning incorrect: LIN slave 6
- 804A3E – Interior lights layering (IL-LIN_3): versioning incorrect: LIN slave 11



Possible fault codes entries for G45:

- 804A34 – Interior lights layering (IL-LIN_3): versioning incorrect: LIN slave 1
- 804A35 - Interior lights layering (IL-LIN_3): versioning incorrect: LIN slave 2
- 804A36 - Interior lights layering (IL-LIN_3): versioning incorrect: LIN slave 3
- 804A37 - Interior lights layering (IL-LIN_3): versioning incorrect: LIN slave 4
- 804A38 - Interior lights layering (IL-LIN_3): versioning incorrect: LIN slave 5
- 804A3A - Interior lights layering (IL-LIN_3): versioning incorrect: LIN slave 7
- 804A47 - Interior lights layering (IL-LIN_3): versioning incorrect: LIN slave 8

- **804A48 - Interior lights layering (IL-LIN_3): versioning incorrect: LIN slave 9**

Note: The above fault codes entries may/may not be present.

CAUSE

Unfavorable logic in the LED control unit hub.

CORRECTION

Follow the test plan to encode the LED control unit hub.

PROCEDURE

1. Verify the customer’s concern.
 - If the vehicle cannot be parked in an area with low ambient lighting to easily view some of the affected lighting strips, hold a medium-size piece of cardboard over the area to provide cover
2. Connect an approved BMW battery charger /power supply to the vehicle **(SI B04 23 10)**.
3. Connect the vehicle to ISTA and perform a vehicle short test.
4. Read fault codes from the vehicle.
5. Encode LED control unit hub using ISTA 4.55.3x (estimated release mid-September 2025, pending verification)-
 - Vehicle Management
 - Service Functions
 - Body
 - Lighting
 - Encode NAD
6. Verify the functionality of the ambient lighting after following the test plan and clearing fault codes via ISTA.

PARTS INFORMATION

No parts are required.

CLAIM INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

Repair Code:	6331251500	Light module/LED module, multicoloured interior ambient lighting Permanent malfunction
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Obtain the flat rate unit (FRU) allowances for the following that applies.

Labor Operation	Description	Labor Allowance
00 00 006	Carrying out vehicle test (Main work)	As applicable
Or:		
00 00 556	Carrying out vehicle test (Plusposition work)	As applicable
And:		
61 21 528	Supporting voltage of the vehicle electrical system / recharging vehicle battery	As applicable
And, as needed:		
61 00 006*	Carrying out vehicle diagnosis, ABL (Work time)	WT FRU
Or:		
00 58 500*	Diagnosis Worktime Flat Rate	2 FRU
And:		
63 99 000	Work time to encode LED control unit hub using ISTA 4.55.3x-	1 FRU

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006, or exclude them (including 61 21 528) when the Vehicle Test is included in another repair.

Work time labor operation codes 61 00 006, 00 58 500, and 63 99 000 are not considered Main labor operations.

(*) Based on which one applies to your center, please refer to **SI B01 01 20** or **B01 07 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your center performed, unless otherwise required by State law.

FEEDBACK REGARDING THIS BULLETIN

Technical Feedback	To submit feedback for the technical topic of this bulletin: Submit your feedback in the rating box at the top of this bulletin
Warranty Feedback	To submit feedback for the CLAIMS section of this bulletin: Submit an IDS ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department

