



SIB 63 09 25

FAILURE/MALFUNCTION OF THE AMBIENT LIGHTING AFTER PROGRAMMING UPDATE 2026-05-04

This Service Information Bulletin (Revision 3) replaces SI B63 09 25 dated **March 2026**.

What's New:

- Title revised
- Procedure revised
- Claim Information completely revised

<input checked="" type="checkbox"/>	THIS REPAIR IS MOBILE FRIENDLY
<input type="checkbox"/>	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

Determine the vehicle's current I-level by either using AIR or the Key Reader/AWP (Aftersales Workplace) applications.

If the I-level is ...26-03-530 or higher, then continue below with standard diagnosis.

Using ISTA Diagnosis

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 test.

4. Read fault codes from the vehicle.

5. Perform BCP Control unit reset.

6. Perform NAD (node address device) Encoding Service Function (ABL-DIT-AS6300_NAD_CODIEREN) using ISTA 4.58.2x or higher located using following path below:

© 2026 BMW OF NORTH AMERICA, LLC. ALL RIGHTS RESERVED

- Vehicle Management
- Service Functions
- Body
- Lighting
- Encode NAD

7. Clear all the faults in the vehicle, allow sleep cycle to take place, and check operation of interior ambient lightning.

Using Remote Diagnosis with RITA

1. Verify the customer's concern to confirm that ambient lightning is not functioning properly.
2. Connect the vehicle to RITA and perform a remote diagnostic test.
3. Read out fault codes from the vehicle.
4. Perform the NAD Encoding service function (ABL-DIT-AS6300_NAD_CODIEREN), for the LIN node "slave module" addresses.
5. Clear all the faults in the vehicle, allow the sleep cycle to take place, and check the operation of the interior ambient lightning.

Note: For more information see [SI B07 01 23](#) BMW REMOTE DIAGNOSIS (RD) WITH RITA

If the I-level is lower than ...26-03-530:

Program the vehicle to I-level ...26-03-530 or higher using ISTA 4.58.2x (released on March 3, 2026) or higher.

- Connect the battery charger to the vehicle
- Connect the programming system to the vehicle (ISTA 4)
- Determine measures plan
- Accept and fully work through the measures plan with the control units to be programmed/encoded and enabled
- Follow the rework list
- **Depending on the rework list, carry out a vehicle test and delete the fault memory if needed**

After the programming has been completed, check operation of all the individual ambient lighting elements that they are working and displaying properly.

Note: ISTA will automatically reprogram and code all programmable control modules that do not have the latest software.

Always connect a BMW-approved battery charger/power supply (SI B04 23 10).

For information on programming and coding with ISTA, refer to Dealer Universal Portal / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

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
---------------------	-------------------	---

Obtain the flat rate unit (FRU) allowances for the following that applies.

Performed via Remote Diagnosis (RD) with RITA

Labor Operation	Description	Labor Allowance
00 00 560	Remote diagnosis vehicle test diagnosis session plan	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 4.58.2x or higher	1 FRU

Or:

The Vehicle is already in the Workshop

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, as needed:		
61 00 730	Program/encode control unit(s), includes deleting the fault memory	As Applicable
Or:		
63 99 000	Work time to encode LED control unit hub using ISTA 4.58.2x or higher	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.

Other Repairs

If other eligible and covered work is performed because of performing the ISTA diagnostics, related test plans, and/or other approved diagnosis procedures, claim this work with the applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

BMW Group's AIR Application Resource for Flat Rate Labor Operation Codes

To obtain the corresponding flat rate unit (FRU) allowance information from the BMW Group AIR application resource, start by entering the Chassis Number (last seven (7) characters of the VIN), and click on the "Search" icon. If the "Vehicle Selection" window displays two or more model possible vehicle choices, select the applicable Model, or enter the full VIN (17 characters) instead to proceed. Click on the "Flat Rate Units" button and enter a flat rate labor operation code number "without spaces" in the field to the right, click on the "Search" icon to display the corresponding listing of "Flat rate unit group details" that are available and their corresponding FRU allowances.

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