

**SUBJECT****LED Headlight Malfunction****MODEL**

F15 (X5)

F25 (X3)

F32 (4 Series Coupe)

F33 (4 Series Convertible)

Vehicles produced to September 2014

With option 552 (Adaptive LED headlight)

**SITUATION**

1. The LED headlight on one side malfunctions.
2. One headlight flickers on and off while driving (problem is sporadic).
3. The Check Control message indicates the parking light or driving light is defective.

One or more of the following faults can be stored:

- 805980 Low-beam headlight defective
- 805981 High-beam headlight defective
- 8044BB Right-hand LED main light module (LHM2) implausible low-beam headlight function status
- 8044BA Left-hand LED main light module (LHM2) implausible low-beam headlight function status

**CAUSE**

The situation above is caused by a poor connection at the LED headlight connector or LED main light module.

**PROCEDURE**

1. Perform a vehicle test using ISTA. If communication faults are entered in the Body Domain Controller (BDC) or the Footwell module (FRM) or/and the LED main light module, work through the communication faults first.

**Always connect a BMW approved battery charger/power supply (refer to [SI B04 23 10](#)).**

2. If one of the faults shown in the situation above is stored, perform the test plan "ABL\_DIT\_AT6300\_BDC\_LED\_SCHW" and follow the test plan recommendation to swap over only the LED main light modules. In order to swap the LHM2 modules, the following work must be performed:
  - Remove the front bumper per ISTA REP 51 11 156, "Removing and installing front bumper panel."
  - Remove the headlight assembly per ISTA REP 63 12 140, "Removing and installing (replacing) left headlight - LED technology."

- Remove the LHM2 per ISTA REP 63 11 800, "Replacing left LED main light module left."

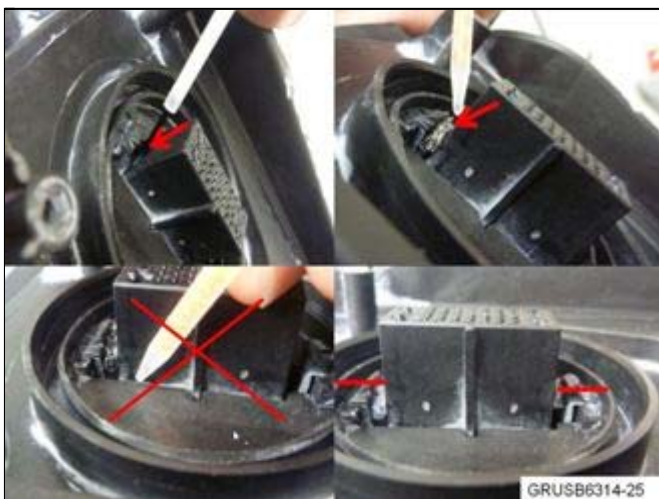
3. If the problem is present on the opposite side after swapping the LHM2, the LHM2 must be replaced.
4. If there is no problem and the lights are functioning correctly on both sides after swapping the LHM2, continue to the next step.



5. After removing the LED main light module, push down on the connector.
6. If the connector is pushed down as shown in the picture, continue to the next step.



7. Reposition the connector by lifting it up until the locking tab is secured. You will hear a clicking sound when the tab is locked in place.
8. Remove the other side. Perform the same procedure.



9. To prevent the connector from unlocking again, it must be glued by using an adhesive before the LED main light module is refitted. The adhesive should only be used behind the tabs, as shown.
10. Before you apply the adhesive, you must clean the area as described in the instructions for the adhesive set.

NOTE: Apply the adhesive for both sides at the same time.



11. The K6 adhesive set (83 19 2 317 925) must be used for this.
12. After drying (10 minutes), reconnect the LHM on both sides. Recheck that the headlight is working before fitting it into the vehicle.

**NOTE: This repair kit can be used for two vehicles.**

13. After checking the light operation, reinstall the headlight.

14. Reinstall the front bumper panel.

15. Delete faults.

#### PARTS INFORMATION

Part Number	Description	Quantity
83 19 2 317 925	Adhesive set K6	See sublet below

**NOTE:** We have a shortage in stock for this adhesive. You can order it from local supplier (LOCTITE 3090)

#### WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned Program.

<b>Defect Code:</b>	<b>63 11 01 02 00</b>	<b>Replacing the LHM2 on one side</b>
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#### A. Swapping and replacing the LHM2 on one side (procedure steps 1-3)

Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as "Charging battery")
And:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module
And:		

63 11 810	Refer to KSD2	Replacing both LED main light modules (Replacing one side) (Includes aiming headlights)
And:		
61 00 730	Refer to KSD2	Programming/encoding control unit(s)

If a control module or component was working properly and/or had no related faults stored prior to vehicle programming and it fails to program correctly or requires initialization, this additional work must be claimed with separate labor operations under the defect code listed above; refer to KSD2.

Repairs to control modules and components with pre-existing conditions are not eligible to be claimed under the defect code listed in this bulletin.

Or:

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty.

<b>Defect Code:</b>	<b>61 11 00 79 00</b>	<b>Repositioning connectors and applying adhesive</b>
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#### **B. Repositioning connectors and applying adhesive to both sides (procedure steps 1-15)**

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to KSD2	Performing "vehicle test" (with vehicle diagnosis system – checking faults)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as "Charging battery")
And:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module
And:		
63 11 810	Refer to KSD2	Replacing both LED main light modules (for access) (Includes aiming headlights)
And:		
63 00 009	4 FRU	

		Work time to reposition the connectors until the locking tabs are secured and apply adhesive to both; recheck operation.
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Programming/encoding control unit(s) is not required for this repair.

And:

### Sublet – Materials (Item “B”)

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for 1/2 of adhesive set K6 (Bulk P/N 83 19 2 317 925); please do not use these part numbers for claim submission.
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Sublet calculation: Reimbursement for 1/2 of the Adhesive set K6 (Bulk P/N 83 19 2 317 925), at dealer net plus handling.

Enter this material cost in sublet and itemize the amount in the claim comment section.

Labor operation code 00 00 006 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

Even though work time labor operation code 61 00 006 ends in “006,” it is not considered a Main labor operation.

Work time (WT) labor operation 61 00 006 requires an individual punch time.

Even though work time labor operation code 63 00 009 ends in “009,” it is not considered a Main labor operation. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required.

### Other Repairs

If performing ISTA diagnostics and related test plans results in other eligible and covered work, claim this work with the applicable defect code and/or labor operations listed in KSD2.

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