SIB 63 03 20   2020-03-05

Headlight Malfunction Check Control Message

MODEL

E-Series	Model Description	Production Date	Affected Option Code
G05	X5 Sports Activity Vehicle	August, 2018- August 2019	5AZ (BMW Laser light)
G06	X6 Sports Activity Coupe	August, 2018- August 2019	5AZ (BMW Laser light)
G07	X7 Sports Activity Vehicle	August, 2018- August 2019	5AZ (BMW Laser light)

SITUATION

Intermittently, a check control message may be present stating "Adaptive headlight failure" (CC message 127) or "Headlight range control failure" (CC message 100).

In conjunction, one of the following faults codes MUST be stored for this bulletin to apply:

- 805A0D control unit: Headlight range control stepper motor driver failure (left frontal light module)
- 805A0E control unit: Adaptive Headlights stepper motor driver failure (left frontal light module)
- 805B8D control unit: Headlight range control stepper motor driver failure (left frontal light module)
- 805A0E control unit: Adaptive Headlights stepper motor driver failure (right frontal light module)

This only affects vehicles with a current I-level below S18A-20-03-524.

CAUSE

Software error in the FLM02 (Frontal light electronics module-Right or left).

CORRECTION

Program and encode the vehicle using ISTA 4.22.1x or higher (released March 2020).

- Target Integration Level (I-level): S18A-20-03-524 or higher

PROCEDURE

1. Perform vehicle test using ISTA 4.22.1x or higher. If the vehicle's current I-Level is below S18A-20-03-524, continue to step 2. Otherwise, this bulletin does not apply.

2. Read out the check control message history, as well as stored fault codes.

3. If **either or both** of the check control messages are stored with **any one or more** of the faults codes listed above, continue to step 4. If not, this bulletin does not apply.

4. Program and encode the vehicle using ISTA 4.22.1x or higher (**released March 2020**).
      Target Integration Level (I-level): S18A-20-03-524 or higher

> **Always connect a BMW-approved battery charger/power supply (SI B04 23 10) when performing programming.**

PARTS INFORMATION

Parts are not required.

WARRANTY INFORMATION

During this workshop visit, the affected vehicle may also show one or more programming and encoding Technical Campaign repairs open, the programming and encoding procedure may only be invoiced one time.

Update the vehicle to the required I-level or higher by performing and submitting for one of the open Technical Campaigns instead. Please be sure to also perform any additional work (before and/or after) the campaign repairs require and/or close the remaining open programming and encoding Technical Campaign repairs as outlined in the corresponding Service Information Bulletin.

Only if the above situation does not apply, the BMW software solution is then:

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program as described below.

Defect Code:	6311010200	Control unit, LED, main light/Front Light Electronics (FLE) software error / internal equipment fault
Labor Operation	**Labor Allowance**	**Description**
00 00 006	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)	Refer to AIR
Or:		
00 00 556	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)	Refer to AIR
And:		
61 21 528	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)	Refer to AIR
And:		
61 00 730	Programming/encoding control unit(s)	Refer to AIR

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.

Refer to AIR for the corresponding flat rate unit (FRU) allowances.

Programming and Encoding - Vehicle Control Units (RO and Claim Comments Required)

The programming procedure automatically reprograms and encodes all vehicle control modules which do not have the latest software I-level. If one or more control module failures occur during this programming procedure:

Please claim this consequential control module-related repair work (including performing the IRAP Control Unit Recovery procedure first as required, refer to the SIB in AIR) under the defect code listed in this bulletin with the applicable AIR labor operations.

Please explain this additional work (The why and what) on the repair order and in the claim comments section

For control module failures that occurred prior to performing this programming procedure:

When covered under an applicable limited warranty, claim the applicable test plan and the corresponding control module-related repair work using the applicable defect code and labor operations in AIR (including diagnosis with separate punch times).