



## MODEL

G12 (7 Series)

G30 (5 Series Sedan)

With SA 552 (Adaptive LED headlight) option

## SITUATION

CCM (Check Control Message) with Adaptive Light Systems Defect appears on Control Display. During the vehicle test one or more fault codes are stored in the left or right FLM01 (Front Light Module).

Fault codes in the FLM01\_L module:

- 805CCA - Servo Motor Cornering Light: Short Circuit or Open circuit on line 1
- 805CD3 - Servo Motor Headlight Adjustment Control: Short Circuit or Open circuit on line 1

And / Or

Fault codes in the FLM01\_R module:

- 805E4A - Servo Motor Cornering Light: Short Circuit or Open circuit on Cable Wrap 1
- 805E53 - Servo Motor Headlight Adjustment Control: Short Circuit or Open circuit on Cable Wrap 1

## CAUSE

The lock mechanism from the headlight harness connector is not aligned correctly which can damage the control unit for front light electronics/LED highlights and/or the headlight.

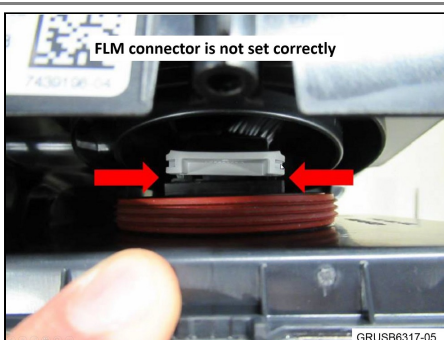
## CORRECTION

Inspect front light electronics connector and replace headlight and/or control unit, if necessary.

## PROCEDURE

For conditions that are similar to the situation described:

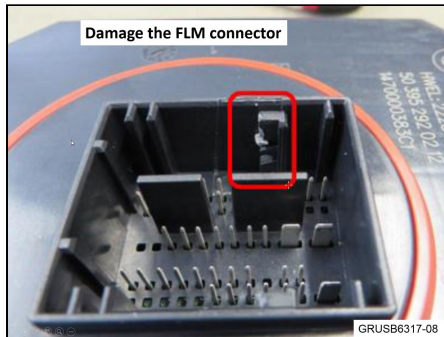
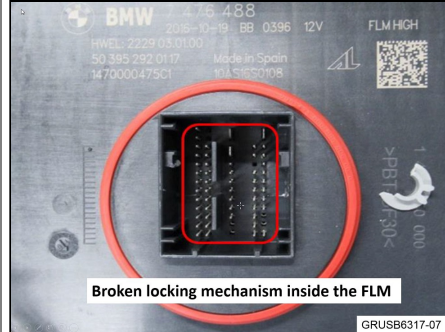
1. Perform a vehicle test, one or more above fault codes listed. Always connect a BMW approved battery charger/power supply ([SI B04 23 10](#)).
2. Remove affected headlight as per repair instruction REP 63 12 003 "Removing and installing left or right headlight".
3. Remove FLM01 from the headlight.
4. Inspect the control unit connector for a tight fit.



**Is the connector tightly fit to the control unit?**

**YES-** continue standard fault diagnosis

**NO –** Go to step 4.



4. Remove the connector and inspect for damage – broken latch clip, scorched contacts

Is the connector damaged?

YES - replace the headlight assembly and the control unit refer to which connector is damaged area.

NO – reconnect the circuit verifying latch mechanism is functional.

5. Reinstall any removed parts to complete the repair.

## PARTS INFORMATION

Refer to ETK for applicable standard parts numbers

## WARRANTY INFORMATION

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

<b>Defect Code:</b>	<b>6311017900</b>	
<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) (Main work)
Or		
00 00 556	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD 2 as Charging battery)

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

And:

### Repairing the Left Side

<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
63 12 502	Refer to KSD2	Removing and installing headlight left (includes front bumper/center engine cover and aiming)

		headlights)
And:		
63 99 000	2 FRU	Work time to check the connector
And, if necessary		
63 12 642	Refer to KSD2	Replacing left headlight – LED technology (includes FLEL and Daytime dr. light control units.

Or:

### Repairing the Right Side

Labor Operation:	Labor Allowance:	Description:
63 12 508	Refer to KSD2	Removing and replacing headlight right (includes front bumper/center engine cover and aiming headlights)
And:		
63 99 000	2 FRU	Work time to check the connector
And, if necessary		
63 12 645	Refer to KSD2	Replacing right headlight – LED technology (includes FLEL and Daytime dr. light control units.

Or:

### Repairing the Left and Right Side

Labor Operation:	Labor Allowance:	Description:
63 12 803	Refer to KSD2	Removing and replacing both headlights (includes front bumper/center engine cover and aiming headlights)
And:		
63 99 000	4 FRU	Work time to check the connectors
And, if necessary		
63 12 642	Refer to KSD2	Replacing left headlight – LED technology (includes FLEL and Daytime dr. light control units.
Or:		
63 12 645	Refer to KSD2	Replacing right headlight – LED technology (includes FLEL and Daytime dr. light control units.
Or:		
63 12 648	Refer to KSD2	Replacing right headlight – LED technology (includes FLEL and Daytime dr. light control units.

And:

### Vehicle Programming and Coding with 63 12 642, 63 12 645 or 63 21 648 Only - FLEL Replacement

Labor Operation:	Labor Allowance:	Description:
61 00 730	Refer to KSD2	Programming/encoding control unit(s)

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 63 99 000 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.

### **Vehicle Programming and Coding**

When ISTA/P automatically reprograms and codes all the vehicle’s control modules that “currently do not have” the latest software and if one or more control module failures occur “during” this programming procedure:

- Please claim this “consequential” control module-related repair work under the defect code listed in this bulletin with the applicable KSD2/AIR labor operations.

### **Other Repairs**

Control module failures that occurred prior to this programming procedure and/or additional work is performed as a result of performing the ISTA diagnostics, related test plans and/or component inspection:

- When covered under an applicable limited warranty, claim the control module-related and/or other repair work using the applicable defect code and labor operations in KSD2/AIR