



## LED Headlight CCM/Output Decrease

### MODEL

F06 (6 Series Gran Coupe)	F12 (6 Series Convertible)	F13 (6 Series Sedan)	Vehicle produced March 01, 2015 to August 15, 2016
Vehicle with option code SA 552 (Adaptive LED headlight)			

### SITUATION

Any of the following may be evident:

- CCM about front headlights
- Headlight output decreases during operation

### CAUSE

Headlight fan failure

### CORRECTION

Replace both LED fan in head light.

### PROCEDURE

If vehicle matches the conditions in the Situation:

Conduct diagnosis of headlight module with ISTA.

Is an associated code stored in the fault memory?

- YES – replace both LED fans.
- Follow ISTA REP 63 11 848 “Replace both the LED fans”
- NO - continue diagnosis by performing the associated test plan in ISTA.

**NOTE:** If the fault codes in FLE - Front Light Electronic (L and/or R) as listed below are stored in the fault memory, without symptoms stated in the SITUATION above, faults can be deleted and no further diagnosis needed. **No part replacement is needed.**

8059AF	Fan 1: Line disconnection / L
8059AE	Fan 1: Short circuit / L

8059ED	Fan 2: Line disconnection / L
8059EC	Fan 2: Short circuit / L
805B31	Fan 1: Line disconnection / R
805B32	Fan 1: Short circuit / R
805B46	Fan 2: Line disconnection / R
805B48	Fan 2: Short circuit / R

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

#### PARTS INFORMATION

Part Number	Description	Quantity
63 11 7 394 899	Set, fan	1 set/side

#### WARRANTY INFORMATION

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

<b>Defect Code:</b>	<b>63 11 02 12 00</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)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as “Charging battery”)

And:

With the listed fault(s) stored and the symptoms identified in the “Situation” section.

Labor Operation:	Labor Allowance:	Description:
63 11 848	Refer to KSD2	Replacing both fan LED, Left (after diagnosis)
And/or:		
63 11 858	Refer to KSD2	Replacing both fan LED, right (after diagnosis)

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) allowances.

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