

**SUBJECT****LED Headlight Malfunction Displayed, but Lights Function Properly****MODEL**

F56 (Cooper, Cooper S)

Produced to April 23, 2014

With options:

05A2 (LED headlight)

05A4 (LED headlight with enhanced functions)

**SITUATION**

A check control message or warning light is on, indicating a headlight malfunction, but the lights operate correctly.

The BDC (Body Domain Controller) fault code 8041B6: "Headlight (LWR): System failed" is the only fault stored. This fault can occur after QC1 is performed or after a vehicle software update.

**CAUSE**

BDC (Body Domain Controller) software error

**CORRECTION**

Program the vehicles with ISTA/P 2.53.3 (or higher).

New I-Level: F056-14-03-502 or higher

**PROCEDURE**

1. Perform diagnosis with ISTA and identify that FC 80401B6 is the only fault that is stored. If other faults are stored, work through the corresponding test plans.
2. Update the software with ISTA/P 2.52.3 or higher. Make sure the BDC is included in the measures plan for the update. If not, select the BDC from the control unit list and add programming and coding to the measures plan.

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

For information on programming and coding with ISTA/P, refer to CenterNet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

3. After updating the software, the following prerequisites must be fulfilled for starting up the ride-height sensors. The test plan can be found under the Service Function: 03 body / lighting / ride-height-calibration:
  - The ignition is switched on.
  - The vehicle is on as even a surface as possible.
  - The wheels are in a straight-ahead position.

**Note:** During the entire start-up process for the ride-height sensors, the load of the vehicle must not be changed. The doors must not be opened and the engine must not be started. This can lead to an incorrect adjustment of the running gear.

Program the vehicle using the latest version of ISTA/P.

Always connect a BMW approved battery charger/power supply.

For information on programming and coding with ISTA/P, refer to CenterNet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

#### WARRANTY INFORMATION

Covered under the terms of the MINI New Passenger Car Limited Warranty or the MINI NEXT Certified Pre-Owned Limited Warranty.

<b>Defect Code:</b>	<b>61 38 27 02 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		
61 00 730	Refer to KSD2	Programming/encoding control unit(s)

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.

If control module(s) fail to reprogram or initializations are required, the additional work must be claimed using separate labor operations found in KSD2 under the defect code listed above.

#### 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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