



LIN BUS FAULTS WITH EXTERIOR REARVIEW MIRROR GLASS DAMAGE

MODEL

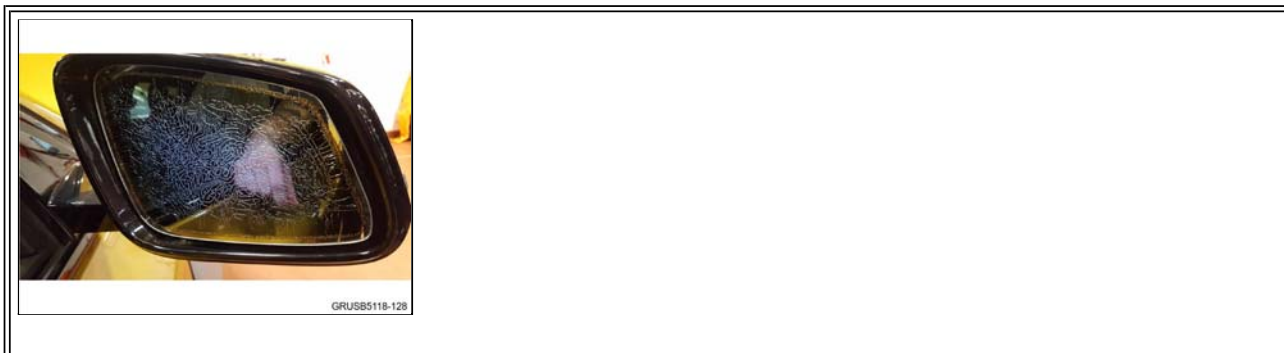
F39 (X2)

Produced up to 4/2018

SITUATION

The exterior rearview mirror glass is discolored or cracked. The power windows and folding mirrors may not operate, and one or more of the following LIN bus faults are stored in the BDC (Body domain controller):

- D90C03 LIN bus master B: short circuit - BDC
- D90C05 LIN bus master B: Communication failed - BDC
- D90D0A exterior rearview mirror left (LIN bus): Absent LIN slave - BDC
- D90D0D exterior rearview mirror right (LIN bus): Absent LIN slave - BDC
- 804246 exterior rearview mirror left (LIN bus): Heating or electrochrome: faulty - BDC
- 804256 exterior rearview mirror right (LIN bus): Heating or electrochrome: faulty - BDC



CAUSE

Faulty exterior rearview mirror electronics have created a short on the LIN bus, damaging the mirror glass and causing functional errors in power window and exterior mirror operation.

CORRECTION

Replace the complete mirror assembly on the affected side, which includes replacement mirror electronics.

PROCEDURE

For conditions similar to those described:

1. Test the operation of the power windows, side rearview mirror adjustment, and side rearview mirror folding functions. Inspect the side rearview mirror glass on both sides for damage as shown in the photo above.

Is a fault or damage found in one or more of those areas?

Yes: Proceed to step 2.

No: Continue diagnostics using ISTA, this bulletin does not apply.

2. Perform a vehicle test to check for faults. If one or more of the following fault codes are stored, proceed to step 3.
 - D90C03 LIN bus master B: short circuit - BDC
 - D90C05 LIN bus master B: Communication failed - BDC
 - D90D0A exterior rearview mirror left (LIN bus): Absent LIN slave - BDC
 - D90D0D exterior rearview mirror right (LIN bus): Absent LIN slave - BDC
 - 804246 exterior rearview mirror left (LIN bus): Heating or electrochrome: faulty - BDCv
 - 804256 exterior rearview mirror right (LIN bus): Heating or electrochrome: faulty - BDC
3. Replace the complete side rearview mirror on the affected side (faults and/or discoloration/cracks), following repair instructions REP 51 16 001 **“Removing and installing the exterior mirror on left or right front door”**.

PARTS INFORMATION

Part Number	Description	Quantity
Refer to ETK	Outside mirror, right	1
And/or if needed:		
Refer to ETK	Outside mirror, left	1

WARRANTY INFORMATION

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

Defect Code:	5116176700	
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2/AIR	Performing “vehicle test” (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to KSD2/AIR	Performing “vehicle test” (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to KSD2/AIR	Connect an approved battery charger/power supply (indicated in KSD2 as “Charging battery”)

And:		
51 16 501	Refer to KSD2/AIR	Removing and installing the outside rearview mirror on left or right front door
Or:		
51 16 521	Refer to KSD2/AIR	Removing and installing both outside rearview mirrors on the front doors

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.

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