



LIN BUS FAULTS WITH EXTERIOR REARVIEW MIRROR GLASS DAMAGE

This Service Information Bulletin (Revision 7) replaces SI B51 13 18 dated February 2021.

What's New (Specific text highlighted):

- Claim information changed

MODEL

E-Series	Model Description
F39	X2 Sports Activity Coupe
G20	3 Series Sedan
G29	Z4 Roadster

SITUATION

Any or all of these conditions may be present:

- The exterior rearview mirror glass is discolored or cracked
- The power windows and folding mirrors may not operate
- 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
 - D90C04 LIN bus master B: No communication - BDC
 - D90C05 LIN bus master B: Communication failed – BDC
 - D90D07 Operating facility switch block (LIN): Missing LIN slave
 - 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 electrochromic: faulty – BDC
 - 804256 exterior rearview mirror right (LIN bus): Heating or electrochromic: faulty – BDC
 - 804265 exterior mirror left or right: Excess temperature — BDC
 - 804260 exterior mirror left or right: Overvoltage — BDC
 - 804261 exterior mirror left or right: Undervoltage — 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 mirror electronics in the exterior mirror.

PROCEDURE

Note: References to the RW inspection label and production date have been removed from this Revision.

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
- D90C04 LIN bus master B: No communication - BDC
- D90C05 LIN bus master B: Communication failed – BDC
- D90D07 Operating facility switch block (LIN): Missing LIN slave
- 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
- 804265 exterior mirror left or right: Excess temperature — BDC
- 804260 exterior mirror left or right: Overvoltage — BDC
- 804261 exterior mirror left or right: Undervoltage — BDC

3. Replace the mirror electronics of the affected mirror following repair instructions **REP 67 13 526 “Replacing mirror electronics for electrically adjustable exterior mirror left or right”**.

4. Replace the mirror glass, if damaged.

PARTS INFORMATION

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in either ETK or AIR which takes into account specific equipment and/or options.

Part Number	Description	Quantity
Refer to ETK/AIR	Mirror electronics, left	1 if necessary
And/or:		
Refer to ETK/AIR	Mirror electronics, right	1 if necessary
And, if necessary:		
Refer to ETK/AIR	Mirror glass (left)	1 if necessary
And/or:		
Refer to ETK/AIR	Mirror glass (right)	1 if necessary

CLAIM INFORMATION

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

Defect Code:	6713027900	Mirror electronics, exterior mirror incorrect connection/contact
---------------------	-------------------	---

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

Labor Operation	Description	Labor Allowance
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	Support voltage of the vehicle electrical system / recharge vehicle electrical system battery	Refer to AIR
And, as necessary:		
61 00 009*	Testing the operation of the specified systems / components (See below*)	Work time (WT)
Or:		
00 58 500*	Diagnosis Worktime Flat Rate (See below*)	2 FRU
And:		
67 13 526	Replacing mirror electronics for electrically adjustable rearview mirrors, left or right (Plus work) (including replacing the mirror glass as necessary)	Refer to AIR
Or:		
67 13 531	Replacing mirror electronics for both electrically adjustable rearview mirrors (Plus work) (including replacing the mirror glasses as necessary)	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, or exclude (including 61 21 528) when the Vehicle Test is included in another repair.

*Based on which one applies to your center, please refer to **SI B01 01 20** or **B01 07 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your center performed, unless otherwise required by State law.

FEEDBACK REGARDING THIS BULLETIN

Technical Feedback	To submit feedback for the technical topics of this bulletin: Submit your feedback in the rating box at the top of this bulletin
Warranty Feedback	To submit feedback for the CLAIMS section of this bulletin: Submit an IDS ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department