



Mercedes-Benz

Campaign No. 2021040012, July 2021
Revision A 01/20/2023

TO: ALL MERCEDES-BENZ CENTERS

SUBJECT: **Models C-Class, CLK-Class, E-Class, and CLS-Class (203, 209, 211, and 219 platform)
Model Years 2001-2011
Sliding Roof Bonding**

Mercedes-Benz AG (“MBAG”), the manufacturer of Mercedes-Benz vehicles, has determined that on certain Model Year (“MY”) 01-11 C-Class (203 platform), CLK-Class (209 platform), E-Class (211 platform) and CLS-Class (219 platform) vehicles, the bonding between the glass panel and the sliding roof frame might not meet specifications. In this case, the adhesion of the bonding could deteriorate gradually over time. If the bonding adhesion were to deteriorate, the durability requirements might not be met which could lead to a separation of the glass panel from the vehicle. A displaced panel could increase the risk of a potential crash or injury for other road users. An authorized Mercedes-Benz dealer will check the glass panel bonding on the affected vehicles and replace the sliding roof, as necessary.

Prior to performing this Recall Campaign:

- VMI must always be checked before performing campaigns to verify that the campaign is required on a specific vehicle. Always check for any other open campaigns, and perform accordingly.
- Please review the entire Recall Campaign bulletin and follow the repair procedure exactly as described.

Please note that Recall Campaigns **do not expire** and may also be performed on a vehicle with a vehicle status indicator.

Approximately 11,356 vehicles are involved.

Order No. P-RC-2021040012

This bulletin has been created and maintained in accordance with MBUSA-SLP S423QH001, Document and Data Control, and MBUSA-SLP S424HH001, Control of Quality Records.

Check/test procedure A

1. Move sliding sunroof to tilt position and check production date (**figure 1**).

i The production date **must** be on or **after** **11-25-2005** or on or **before** **10-31-2007**.

i Vehicles with a registration date that does **not** match with the production date of the sliding sunroof can also be affected.

i If the production date is **not** at the shown location (**figure 1**), this vehicle is **not** affected.



Figure 1 (The production date in the sample picture is **06 year / 5 month / 15 day**)(5-15-2006)

A. Production date between **11-25-2005** and **10-31-2007**: Carry out **check/test procedure B**.

B. Production date **not** between **11-25-2005** and **10-31-2007**: **End measure**.

C. **No** production date present at shown location (**figure 1**): **End measure**.

i The **findings** from the check/test procedure must be recorded **in writing in the workorder**.

Check/test procedure B

S A suitable lifting tool (engine crane) and Special Tools (W 000 588 01 99 00) is required for the check.

1. Perform function test for sliding sunroof.

i For this purpose, fully open and close sliding sunroof. The sliding sunroof must function correctly. This check serves as a comparison; it ensures that the customer cannot claim compensation for any preexisting noticeable problems (e.g. reversing, sluggishness, etc.) after the check performed with the cup suction tool. Point out to the customer that their sliding sunroof is not functioning correctly.

i Any repairs to the sliding sunroof identified above, are the customers responsibility and are not covered by this campaign.

2. Clean the sliding roof panel and cup suction tool.

i The sliding sunroof must be closed.

i Special caution must be exercised during the check. The cup suction tool may be used for this check.

3. Position cup suction tool (**figure 2**) and pull as **vertically** as possible (tolerance of ± 10 degrees) using lifting tool (hoist/crane).

i The vehicle may need to be lifted to allow the hoist/crane clearance underneath. The vehicle may be lifted with a floor jack at the front jack points enough to allow for this clearance and stay within ± 10 degrees.

i Specified force **500 N/700N** (**figure 4**). Please note that the scale is in N (newton) and should be measured in N. **DO NOT** attempt to convert to any other measurement. An incorrect conversion could result in an inaccurate test result and/or damage to the testing equipment and/or the vehicle. Any costs associated with an improper repair will be the responsibility of the repairing dealer.

i Before the start of the measurement, the "(auto) hold function" of the hanging scale **must** be deactivated and the measurement scale is set to N (see operator's manual). (**See figure 3**) for correct scale display.

No "hold function" may be activated so that the current pulling force is always displayed.

i Position cup suction tool at 5 positions in the sequence **1, 2, 3, 4, 5: (Figure 4)**.

i The specified force **must be monitored during the first minute** and adjusted if necessary (tolerance ± 10 N) **The specified force must not be exceeded**. Pull as vertically as possible (tolerance ± 10 degrees) at the specified force. There must not be a person inside the vehicle during the check, and the vehicle must not be touched if possible.

i The holding time per position must be exactly **10 min**.

Attention, danger: Wear safety glasses and stay clear of the area above the cup suction tool (head/face) during the check.



Figure 2



Figure 3 (Correct scale display)

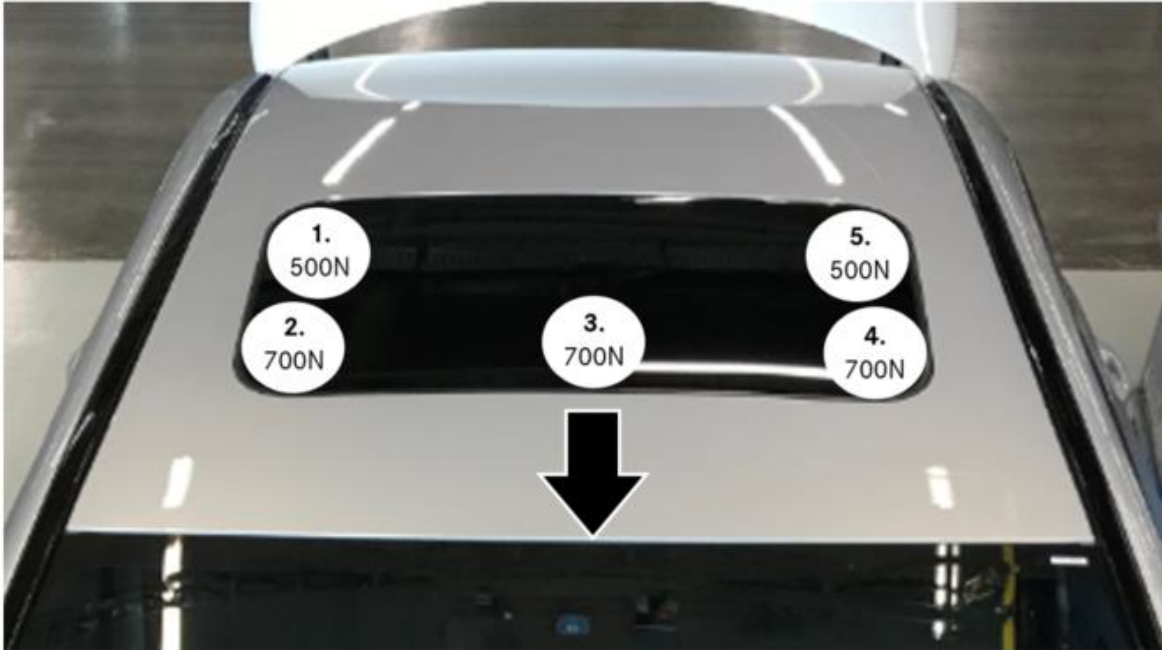


Figure 4 (test sequence 1, 2, 3, 4, 5 – arrow specifies front of vehicle)

i The sliding roof panel is lifted out of the roof frame noticeably at the rear test positions 1 and 5 (**figure5**).

i If the sliding roof panel detaches from the padding of the tilting/sliding roof frame at one of the test positions (**see figure 6**), the sliding roof panel must be replaced.

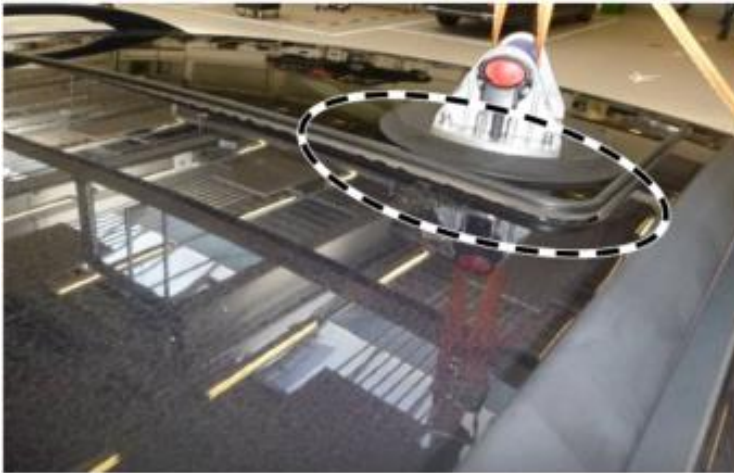


Figure5

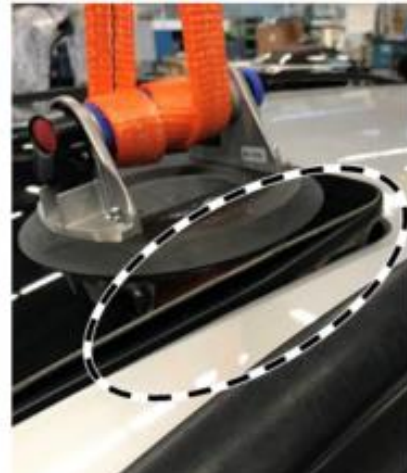


Figure 6 (NOT OK)

D. If the sliding roof panel detaches from the padding: Carry out **work procedure**.

E. If the sliding roof panel does **not** detach from the padding: **End measure**.

i The **findings** from the check/test procedure must be recorded **in writing on the workorder**.

4. Perform function test for sliding sunroof.

i To do this, open and close the sliding sunroof (tilt and slide positions).

Work procedure

1. Replace sliding sunroof.

i The accordion boot **need** not be removed completely. It is sufficient to slide it back (**figure 7**).

i It is not necessary to prepare the strip of cardboard.

The WIS documentation will be adapted.

Model 203: **AR77.20-P-1000P**

Model 209: **AR77.20-P-1000Q**


Model 211: **AR77.20-P-1000T**

Model 219: **AR77.20-P-1000TX**



Figure7

i Note:

- Use Xentry 03/20 with all associated patches or higher.
- Follow the steps exactly as described in Xentry.
- Connect battery charger (battery voltage  >12.5V).
- Ensure all electrical consumers are switched-off.
- In the event of software/SCN update issues, contact Star Diagnosis User Help Desk via. XSF ticket.
- Refer to Star Diagnosis System (SDS) Best Practices Guide.

2. Connect XENTRY Diagnosis.

3. Perform teach-in run for anti-pinch protection at sliding sunroof.

i To do this, select menu item "Quick test view ➡ Overhead control panel ➡ Control unit adaptations ➡ Tilting/sliding roof ➡ Normalization of anti-pinch protection for tilting/sliding roof".

i Then follow the user guidance in XENTRY Diagnosis.

4. Disconnect XENTRY Diagnosis.

Primary Parts Information

Qty.	Part Name	Part Number
1 (As required)	Sliding roof panel (model 203, 211)	A 211 780 03 00
1 (As required)	Sliding roof panel (model 209)	A 209 780 02 00
1 (As required)	Sliding roof panel (model 219)	A 219 780 01 00

Please note that the estimated replacement rate is 20%. Parts should only be ordered in the event a replacement is required. Sunroofs will not be allocated to dealers and are non-returnable.

Warranty Information

With check date

Operation: Check manufacturing date of sliding sunroof (02-0997)

Damage Code	Operation Number	Labor Time (hrs.)
78 910 04 8	02-0997	0.1

With check date and test sliding sunroof

Operation: Check manufacturing date of sliding sunroof (02-0997)
Check sliding sunroof (02-0998)

Damage Code	Operation Number	Labor Time (hrs.)
78 910 04 8	02-0997	0.1
	02-0998 (203)	0.8
	02-0998 (209 211 219)	0.7

With check date, test, and replace sliding sunroof

Operation: Check manufacturing date of sliding sunroof (02-0997)
Check sliding sunroof (02-0998)
Replace sliding sunroof (after check)(02-0999)

Damage Code	Operation Number	Labor Time (hrs.)
78 910 04 7	02-0997	0.1
	02-0998 (203)	0.8
	02-0998 (209 211 219)	0.7
	02-0999 (203)	1.0
	02-0999 (209 211 219)	0.8

*Includes: Perform teach-in run for anti-pinch protection at sliding sunroof (XENTRY connected)

Note

Operation Number labor times are subject to change.

Special Tools

Quantity	Designation	Part no.
1	Tool kit*	W 000 588 01 99 00

***Kit includes scale, suction cup, and strap**