



SIB 54 02 20
SUNROOF ROLLER SUNBLIND INOPERATIVE

MODEL

E-Series	Model Description
G20	3 Series Sedan

SITUATION

The sunroof roller sunblind may not operate correctly. This bulletin outlines repairs to the following 2 different scenarios:

- A. The roller sunblind cannot be opened from a fully closed position.
- B. The roller sunblind cannot be closed via one touch automatic function.

CAUSE

Loss of initialization, or a hall sensor fault within the sunroof drive.

CORRECTION

Program the vehicle to the latest I-Level and follow the instructions below depending on vehicle situation.

PROCEDURE

Inspect the guide rails of the sunroof for damage or contamination. Address any contamination or damage situations outside of this bulletin.

If the vehicle is below I-Level 20-03-524:

- Program the vehicle using the latest version of ISTA

Model	Target Integration level
G20	S18A-20-03-524 or higher

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

If the vehicle I-Level is already 20-03-524 or higher, programming is not required.

After programming, if required, retest the sunroof. If working correctly, no additional repairs are necessary. If the sunroof is still not working correctly, continue to the steps below depending on the vehicle situation.

If programming is not required, continue directly to the steps below depending on the vehicle situation.

For situation A, continue with the steps below:

1. Remove the FZD (overhead control panel) following repair instructions **REP 61 31 043 “Removing and installing the FZD”**.
2. Using a hexagon wrench or appropriate socket wrench, manually retract the sunblind 2 inches towards the rear using the sunblind motor.
3. Initialize the roller sunblind. Instructions are included in the attachment below, along with pre-requisites for initialization.

4. Reinstall the FZD and retest. If the roller sunblind is operating correctly, no additional correction is necessary. If the roller sunblind is still inoperative, replace the sunblind drive following repair instructions REP 67 61 581 "Replacing drive for roller sunblind".

Or:

For situation B, continue with the steps below:

Note: For situation B, if the vehicle required programming as described above, a second initialization is not required if the programming session automatically carried out the initialization successfully as part of the programming follow up procedures.

If the programming-related initialization failed or the vehicle I-Level is already 20-03-524 or higher:

1. Re-Initialize or initialize the roller sunblind and retest the system. Instructions are included in the attachment below, along with pre-requisites for initialization.

2. Retest the roller sunblind. If the roller sunblind is operating correctly, **no additional correction is necessary**. If the roller sunblind is still inoperative, replace the sunblind drive following repair instructions REP 67 61 581 "Replacing drive for roller sunblind."

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 AIR	Drive, panorama glass roof	1 if necessary

WARRANTY INFORMATION

During the workshop visit for this repair procedure, the G20 (3 Series Sedan) vehicle may also show one or more programming and encoding Technical Campaign repairs open, the programming and encoding procedure may only be invoiced one time.

If you should have this situation, update the vehicle to the required I-level or higher by performing and submitting for one of these open Technical Campaigns instead.

Please be sure to also perform any additional work the campaign repairs require and/or close the remaining open programming and encoding the Campaign repairs as outlined in the corresponding Service Information Bulletin.

Only if the situation above does not apply, the programming and encoding procedure is then claimable within the work procedure and coverage guidelines described in this bulletin.

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

Defect Code:	5412051200	Sliding headliner / panorama roof roller blind permanent failure
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The vehicle is below I-Level 20-03-524 (No open programming and encoding campaign applies)

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	Connect an approved battery charger/power supply (in AIR as Recharge vehicle electrical system battery)	Refer to AIR
And:		
61 00 730	Programming/encoding control unit(s)	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.

And, additionally for the:

e-Vehicles-

Labor Operation	Description	Labor Allowance
61 25 910	Recharging high-voltage battery unit (to high voltage charging socket)	Refer to AIR

And, for:

Situation A (WITH FZD removal, roller sunblind cannot be opened from a fully closed position)

In conjunction with a programming and encoding procedure (campaign or another repair) or the vehicle I-Level is already 20-03-524 with other Main work being performed and claimed

Labor Operation	Description	Labor Allowance
61 31 543	1. Removing and installing the FZD (Plus work)	Refer to AIR

Or, if:

The vehicle I-Level is already at 20-03-524 or higher and no other Main work is being performed and claimed

Labor Operation	Description	Labor Allowance
61 31 043	2. Removing and installing the FZD (Main work)	Refer to AIR

And:

Labor Operation	Description	Labor Allowance
54 99 000	Job/repair (Associated to 1 or 2) work time to manually retract the sunblind 2 inches towards the rear and initialize the roller sunblind	2 FRU

Or, when applicable:

Situation A Step 2 - Replacing the drive for the roller sunblind is required after performing the above, item 1 or 2)

Labor Operation	Description	Labor Allowance
54 99 000	Job/repair (Plus, 1) work time for removing and installing the FZD, manually retract the sunblind 2 inches towards the rear and initialize the roller sunblind initialize the roller sunblind	4 FRU
Or:		
54 99 000	Job/repair (Main, 2) work time for removing and installing the FZD, manually retract the sunblind 2 inches towards the rear and initialize the roller sunblind initialize the roller sunblind	5 FRU
And:		
67 61 581	Replacing drive for roller sunblind	Refer to AIR

Or, for:

Situation B (WITHOUT FZD removal, roller sunblind with close by operating the switch but it cannot be closed with the one touch automatic function)

The programming-related initialization failed, or the vehicle I-Level is already 20-03-524 with other Main work being performed and claimed

Labor Operation	Description	Labor Allowance
54 99 000	Job/repair work time to initialize the roller sunblind (Plus work)	1 FRU

Or:

The vehicle I-Level is already at 20-03-524 or higher and no other Main work is being performed and claimed

Labor Operation	Description	Labor Allowance
54 99 000	Job/repair work time to initialize the roller sunblind (Main work)	3 FRU

And, when applicable:

For situation B Step 2 - Replacing the drive for the roller sunblind is required

Labor Operation	Description	Labor Allowance
67 61 581	Replacing drive for roller sunblind	Refer to AIR

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

Only one Main work flat rate labor operation code can be claimed per workshop visit.

Programming and Encoding - Vehicle Control Units (RO and Claim Comments Required)

The programming procedure automatically reprograms and encodes all vehicle control modules which do not have the latest software I-level. If one or more control module failures occur during this programming procedure:

Please claim this consequential control module-related repair work (including performing the IRAP Control Unit Recovery procedure first as required, refer to the SIB in AIR) under the defect code listed in this bulletin with the applicable AIR labor operations.

Please explain this additional work (The why and what) on the repair order and in the claim comments section

For control module failures that occurred prior to performing this programming procedure:

When covered under an applicable limited warranty, claim the applicable test plan and the corresponding control module-related repair work using the applicable defect code and labor operations in AIR (including diagnosis).

As applicable to your center, please refer to **SI B01 01 20** or **B01 07 20** for claiming your diagnosis work time, job/repair work time (WT), WT and the repair-related explanation procedures.

QUESTIONS REGARDING THIS BULLETIN

Technical inquiries	Submit feedback at the top of this bulletin
Warranty inquiries	Submit an IDS ticket to the Warranty Department or use the chat available in the Warranty Documentation Portal
Parts inquiries	Submit an IDS ticket to the Parts Department

Supporting Materials

[picture_as_pdf B54 02 20 Attachment 1.pdf](#)

Removing and installing/replacing mechanics for glass slide/tilt sunroof panel »

Initializing the glass slide/tilt sunroof

REP-TAT-P-5412-23-G20

Further information is available.

► Prerequisites for initializing the sliding/tilting/panoramic glass sunroof

- The following prerequisites must be met for error-free initialization

Vehicle interior temperature	15 °C - 30 °C
On-board voltage	12 V - 15 V
Vehicle condition	The vehicle is not standing on its own wheels.
	Vehicle is in a horizontal position.
	- Speed 0 km/h (vehicle must not roll)
	- Remote control is in the vehicle
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	Terminal 15 is switched on or the vehicle is in the PFW state living
Operating point	- FZD button
	- Diagnostic function: "Initialize sliding/tilting sunroof"
Miscellaneous	No other work may be carried out on the vehicle during initialization in order to avoid impacts or vibrations.



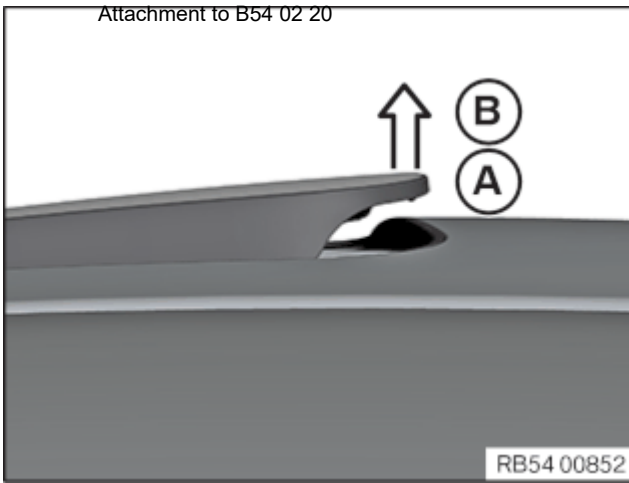
i TECHNICAL INFORMATION

The following prerequisites are the basis for a correct initialization and must be strictly observed.

For additional information see: 54 12 ...
General prerequisites for initializing the sliding/tilting sunroof or panoramic glass sunroof

- Press and hold the switch in the "Vent Position" direction.

The glass slide/tilt sunroof shifts to vent position.
- In the event of a delayed start or sudden stop of the glass slide/tilt sunroof, continue to press and hold the switch in the "Vent Position" direction.



AIR - Technical documents

- Continue to keep the switch pressed during the entire test module.
- After reaching vent position (A), continue to press and hold the switch for about 30 s.

The initialization starts:

- The glass slide/tilt sunroof shifts from vent position (A) toward position (B).
- Screen (sliding headliner) fully closes.
- Screen (sliding headliner) fully opens.
- Glass slide/tilt sunroof shifts to "closed" position.
- The glass slide/tilt sunroof shifts to the "Open" position and immediately returns to the "Closed" position.
- After a brief pause, the screen fully closes.

The initialization is completed once the glass slide/tilt sunroof and the screen have completely closed.

- Release the switch.

i TECHNICAL INFORMATION

If the switch is released in the meantime, repeat the initialization. Following successful initialization, the corresponding messages in the Check Control and the control display extinguish.

- Carry out functional check (one-touch mode, anti-trapping protection and, if necessary, comfort function).