SIB 54 08 19 2019-09-11

SUNROOF REVERSES WHEN CLOSING

MODEL

E-Series	Model Description
G32	640i xDrive Gran Turismo

SITUATION

The sunroof reverses direction (anti-traps) just as the sunroof glass meets the wind deflector.

The sunroof may not properly initialize as a result.

CAUSE

One of more of the following potential issues may be the cause:

- A software error in the FZD (Roof function center)
- Faulty sunroof wind deflector
- Faulty panoramic sunroof frame assembly

CORRECTION

Depending on the root cause, one of more of the following may be required:

- Program the vehicle using ISTA 4.19.1x to I-level S15A-19-07-547 (ISTA released early September 2019) or above
- Replace the sunroof wind deflector
- Replace the panoramic sunroof frame

PROCEDURE

1. Perform a vehicle test, and work through any applicable test plans which are called as a result of fault information.

   If no clear defect can be found using ISTA, and the complaint is the same as outlined above, continue to step 2.

2. Program and encode the vehicle using ISTA 4.19.1x (I-Level 19-07-547) or higher. Re-initialize the sunroof, and retest sunroof operation.

   Always connect a BMW-approved battery charger/power supply (SI B04 23 10) when performing programming.

   Is the issue resolved after programming?

   YES: No further correction required.

   NO: Continue to step 3.

3. Remove the FZD following repair instructions **REP 61 31 544 “Replace roof function center (FZD)”.**

4. With the FZD removed, inspect the “LL”

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number on the ID tag on the bottom of the sunroof frame. Photo shows the location of the ID tag.

Utilize the tables below to identify the repair based on “LL” number.

LL42 or Lower: Replace the glass/slide sunroof frame and wind deflector following ISTA repair instructions REP 54 13 556 “Replacing panorama glass roof frame”.

LL43 or LL44: Replace only the sunroof wind deflector following repair instructions REP 54 13 090 “Removing and installing/replacing wind deflector”.

Note: Pay close attention to the screw retrofit instructions within the repair instructions. A screw must be retrofitted during replacement.

5. After completing the corresponding repair based on “LL” number, the front sunroof glass panel must be correctly adjusted following repair instructions **REP 54 13 001 “Adjusting front glass slide/tilt sunroof panel”.**
6. Reinitialize the sunroof and retest.

PARTS INFORMATION

Not all vehicle will require parts. Only replace necessary parts.

Part Number:	Description:	Quantity:
Vehicle requires deflector only:		
Refer to ETK	Slipstream deflector	1
Refer to ETK	Bearing for wind deflector	1
Refer to ETK	Screw	4
Vehicle requires sunroof frame and deflector:		
Refer to ETK	Panorama roof frame	1
Refer to ETK	Cross member	1
Refer to ETK	Set felt strip self-adhesive	1

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Defect Code:	5412223400	Mechanics/control module, glass slide/tilt roof panel (SHD, panorama glass roof) sluggish

Labor Operation	Description	Labor Allowance

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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 (indicated in AIR as “Charging battery”)	Refer to AIR

And, if the:

Vehicle requires programming (Vehicle below I-level S15A-19-07-547):

Labor Operation	Description	Labor Allowance:
61 00 730	Program/encode/ control unit(s)	Refer to AIR

And/or as necessary:

Vehicle also requires wind deflector replacement:

Labor Operation	Description	Labor Allowance
54 13 590	Removing and installing/replacing wind deflector (Plus work)	Refer to AIR
And:		
54 13 501	Adjusting front glass slide/tilt sunroof panel (Plus work)	Refer to AIR

Or, as necessary:
Vehicle requires sunroof frame replacement along with wind deflector:

Labor Operation:	Description	Labor Allowance
54 13 585	Removing and installing/replacing the panorama glass roof (Wind deflector included) (Plus work)	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.

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

During the same workshop visit, if a vehicle also requires another Technical Campaign or repair that also includes programming and encoding the control units, the programming procedure may only be invoiced one time**.**

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

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procedure:

> Please claim this consequential control module-related repair work 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 this control module-related repair work using the applicable defect code and labor operations (including diagnosis) in AIR.

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