

**SUNROOF REVERSES WHEN CLOSING**

This Service Information Bulletin (Revision 5) replaces SI B54 08 19 **dated November 2020**.

**What's New** (Specific text highlighted):

- Procedure

**MODEL**

E-Series	Model Description	Production Date
G20	3 Series Sedan	Up to March 31, 2020
G32	640i xDrive Gran Turismo	Up to March 31, 2020

**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:

**For G20:**

- A software error in the FZD (Roof function center)

**For G32:**

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

**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

**Additionally, only for G32, the following may be required:**

- Replace the sunroof wind deflector

**PROCEDURE**

1. If the vehicle I-Level is below 19-07-547, continue to step 2. If the I-Level is higher:

G20- go to step 6.

G32- go to step 3.

2. Program the vehicle using **ISTA 4.19.1x** or higher (released **August 2019**).

Model	Target Integration level
G32 (640i xDrive Gran Turismo)	<b>S15A/18A-19-07-547</b> or higher
G20 (3 Series Sedan)	

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

Then, for **G32 continue to step 3. For G20, continue to step 6.**

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

4. With the FZD Removed, inspect the “LL” number as shown to the left.



Is the LL number less than 25 or exactly 45?

Yes: Continue to step 5.

No: Continue to step 6.

5. Replace the wind deflector following repair instructions **REP 54 13 090 “Removing and installing/replacing wind deflector”**.

6. Re-Initialize the sunroof and retest

**Notes on sunroof initialization for all vehicles: The sunroof must be initialized with an ambient outside temperature between 41°F and 104°F. Initialization attempts performed outside of this temperature range will fail. The temperature displayed on the instrument cluster must be used for reference.**

## **PARTS INFORMATION**

Not all vehicles will require parts. Only replace necessary parts. G20 does not require parts replacement.

**Only use and invoice the part numbers below that apply.**

**Performing a part number look-up in ETK (EPC) by VIN or model in place of using/invoicing the following part numbers may result with the wrong part numbers being invoiced and installed, this could delay the payment of the claim.**

<b>Part Number:</b>	<b>Description:</b>	<b>Quantity:</b>
<b>Vehicle requires deflector only:</b>		
54 10 7 474 471	Slipstream deflector	1
Refer to ETK	Bearing for wind deflector	1
Refer to ETK	Screw	4

Additionally, other small parts that are not specified above, such as one-time use screws, nuts and seals, which must be replaced according to the ISTA repair instructions/ETK, must be selected from the Electronic Parts Catalogue according to the respective vehicle type and invoiced under the special defect code.

## **WARRANTY INFORMATION**

During this workshop visit, the affected 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.

**Update the vehicle to the required I-level or higher by performing and submitting for it through one of these open Technical Campaigns.**

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

Based on the above, reimbursement for the applicable repair described in this bulletin will be via normal claim entry utilizing the work package information below that applies.

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

<b>Defect Code:</b>	<b>5412900200</b>	<b>G20 G32 Panoramic glass sunroof reversed against the wind deflector</b>
---------------------	-------------------	--

**Vehicle is already in the workshop**

Work Pkg	Labor Operation	Description (Plus work)	Labor Allowance
# 1	00 69 984	<b>G20 and G32:</b> Check I level (includes providing support voltage for the vehicle electrical system and performing a vehicle test), <b>vehicle is already at the specified Target integration level or higher (prior to or another repair during this workshop visit)</b> / clean and grease wind deflector / delete fault memory	Refer to AIR
Or:			
# 2	00 69 985	<b>G20 and G32:</b> Program and encode the vehicle control units to the specified Target integration level or higher (includes providing support voltage for the vehicle electrical system and performing a vehicle test) / clean and grease wind deflector / delete fault memory	Refer to AIR

Or:

Work Pkg	Labor Operation	Description (Plus work)	Labor Allowance
# 3	00 69 988	<b>G32 only:</b> Check I level (includes providing support voltage for the vehicle electrical system and performing a vehicle test), <b>vehicle is already at the specified Target integration level or higher (prior to or during another repair during this workshop visit)</b> / clean, grease, check label, replace wind deflector / initialize and delete fault memory	Refer to AIR
Or:			
# 4	00 69 990	<b>G32 only:</b> Program and encode the vehicle control units to the specified Target integration level or higher (includes providing support voltage for the vehicle electrical system and performing a vehicle test) / clean, grease, check label, replace wind deflector / initialized and delete fault memory	Refer to AIR

Or:

**The vehicle arrives at your center and this repair (No other main work will be performed or claimed during this workshop visit)**

Work Pkg	Labor Operation	Description (Main work)	Labor Allowance
# 5	00 69 421	<b>G20 and G32:</b> Check I level (includes providing support voltage for the vehicle electrical system and performing a vehicle test), <b>vehicle is already at the specified Target integration level or higher (prior to this workshop visit)</b> / clean and grease wind deflector / delete fault memory	Refer to AIR
Or:			
# 6	00 69 422	<b>G20 and G32:</b> Program and encode the vehicle control units to the specified Target integration level or higher (includes providing support voltage for the vehicle electrical system and performing a vehicle test) / clean and grease wind deflector / delete fault memory	Refer to AIR

Or:

Work Pkg	Labor Operation	Description (Main work)	Labor Allowance
# 7	00 69 425	<b>G32 only:</b> Check I level (includes providing support voltage for the vehicle electrical system and performing a vehicle test), <b>vehicle is already at the specified Target integration level or higher (prior to this workshop visit)</b> / clean, grease, check label, replace wind deflector / initialize and delete fault memory	Refer to AIR
Or:			
# 8	00 69 427	<b>G32 only:</b> Program and encode the vehicle control units to the specified Target integration level or higher (includes providing support voltage for the vehicle electrical system and performing a vehicle test) / clean, grease, check label, replace wind deflector / initialized and delete fault memory	Refer to AIR

Only one of the flat rate labor operation codes listed above can be used for claim submission and reimbursement. Also, only one Main work flat rate labor operation code can be claimed per workshop visit.

### Claim Repair Comments

Only reference the SIB number and the work package (Pkg) number performed in the RO technician notes and the claim comments (For example: B54 08 19 WP 1), unless otherwise required by State law.

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

### 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