



MODEL

E-Series	Model Description
F39	X2 Sports Activity Coupe

SITUATION

The sunroof does not move, and the vehicle has no faults stored related to the sunroof.

CAUSE

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

CORRECTION

Until the release of ISTA 4.20.1x (I-level 19-11-510; estimated availability late October 2019 pending verification), replace the FZD.

After ISTA 4.20.1x is released, update the vehicle software to the latest I-Level.

PROCEDURE

1. Perform a vehicle test and work through any associated fault driven test plans.

2. Are faults stored in relation to the sunroof?

Yes: Continue diagnosis, this bulletin does not apply.

No: Continue to step 3.

3. Disconnect the FZD wiring harness, wait 2 minutes, then reconnect. Retest sunroof operation.

Does the sunroof now work correctly?

Yes: Continue to step 4.

No: Continue diagnosis, this bulletin does not apply.

4. Is ISTA 4.20.1x available?

Yes: Program the vehicle using ISTA 4.20.1x (I-Level 19-11-510) or higher. ISTA 4.20.1x is expected November, 2019.

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

No: Replace the FZD following repair instructions **REP 61 31 544 "Replace roof function center"**.

PARTS INFORMATION

FZD replacement is only permitted until the release of ISTA 4.20.1x. (I-Level 19-11-510).

Part Number:	Description:	Quantity:
Refer to ETK	Headliner control module (FZD)	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:	6131740200	FZD software error/internal equipment fault
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After the release of ISTA 4.20.1x (I-Level 19-11-510 expected November, 2019):

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 (indicated in AIR as Charging battery)	Refer to AIR
And:		
61 00 730	Programming/encoding control unit(s)	Refer to AIR

Or:

Prior to the release of ISTA 4.20.1x (I-Level 19-11-510):

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 (indicated in AIR as Charging battery)	Refer to AIR
And:		
61 31 544	Replacing roof function center (FZD)	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.

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 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 in AIR (including diagnosis with separate punch times).