



SIB 65 21 22

2022-11-21

SERVICE ACTION: RAM CONVERSION (BOOSTER FLASH) AND PROGRAMMING

MODEL

E-Series	Model Description	Production Date	Option Code
i20	iX Sports Activity Vehicle	October 14, 2021 – October 28, 2022	With SA 6F1

AFFECTED VEHICLES

Affected vehicles which require this Campaign to be completed will show it as “Open” when checked either in AIR, the “Service Menu” of DCSnet (Dealer Communication System), ISPA NEXT or Warranty Vehicle Inquiry.

SITUATION

After a Remote Software Update (RSU), the sound output from the booster can be muted. Sound can only be heard via the tweeters in the Bowers & Wilkins Diamond Surround Sound System.

CAUSE

Unfavorable software settings in the Receiver Audio Module (RAM).

CORRECTION

Activate and deactivate the “Booster Flash” conversion in the RAM.

PROCEDURE

For this procedure, ISTA 4.38.3x is required for programming/coding. Software correction for this issue is included with the following I-step version:

- I-Step I020-22-11-530 or newer (**available with ISTA 4.38.3x, Released on November 16, 2022**)

It is absolutely necessary that the programming is carried out with the above mentioned or a more recent I-level!

Two rounds of programming (within one overall ISTA session) are required for completion of the repair.

In the second programming, the “Booster Flash” conversion is deactivated, as otherwise the vehicle would not be RSU capable afterwards.

- Connect the battery charger to the vehicle.
- Connect the programming system to the vehicle (ISTA 4).

1st Programming session:

- Select “Vehicle Management” tab
- Select “Vehicle Modification” tab
- Select “Conversion” tab
- Select “Conversion of Booster Flash”
- Determine the measures plan
- Accept and fully work through the measures plan with the control units to be programmed/encoded and enabled

2nd Programming session:

- Select “Vehicle Management” tab
- Select “Vehicle Modification” tab
- Select “Removal of Retrofit/Conversion” tab
- Select “Deactivating the Booster Flash”

- Determine the measures plan
- Accept and fully work through the measures plan with the control units to be programmed/encoded and enabled
- Follow the rework list
- **Depending on the rework list, carry out a vehicle test and delete the fault memory if needed**

After the programming has been fully completed, check functionality of the system.

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

Always connect a BMW-approved battery charger/power supply (SIB 04 23 10).

For information on programming and coding with ISTA, refer to Dealer Universal Portal / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

CLAIM 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.

Only select this Technical Campaign (WP 1 or 2) to perform and submit for updating the vehicle to the required I-level or higher.

For the other open campaigns on the vehicle, please be sure to also perform any additional before and/or after work (including attaching labels) as required. Close the other open programming and encoding Campaign repairs as outlined in their corresponding Service Information Bulletin.

Plus work (+)	Completion before the first vehicle delivery to a customer or the vehicle is already in the workshop
Main work	The vehicle arrives at your center and this Service Action shows open (No other Main work will be performed or claimed during this workshop visit)

As determined by the above, reimbursement for this Service Action will be via normal claim entry utilizing the work package information below that applies.

Defect Code:	0065020400	---
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Only one of the flat rate labor operation codes listed below can be used for claim submission/reimbursement purposes.

Work Pkg	Labor Operation	Description	Labor Allowance
# 1	00 73 738	Programming and encoding (Includes Round 1 and 2) the vehicle control units, includes Carrying out vehicle test (00 00 556/61 21 528) (Plus work)	13 FRU
Or:			
# 2	00 73 157	Programming and encoding (Includes Round 1 and 2) the vehicle control units, includes Carrying out vehicle test (00 00 006/61 21 528) (Main work)	14 FRU

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: B65 21 22 WP 1), unless otherwise required by State law.

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

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This procedure automatically reprograms and encodes any vehicle control modules that do not have the latest software I-level.

If one or more control modules fail during the reprogramming procedure, claim the required consequential repair work procedures to address this issue (including performing the IRAP Control Unit Recovery first as required, refer to the SIB in AIR) under the Defect Code in this bulletin with the labor operations in AIR that apply.

Please explain the additional work procedures that were performed (The why and the what) on the repair order and in the claim comments.

For covered repairs that address control module failures that occurred prior to performing this reprogramming procedure, claim this work with the Defect Code and labor operations (including the diagnosis that applies*) in AIR that apply.

*Based on which one applies to your center, please refer to **SI B01 01 20** or **B01 07 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your center performed, unless otherwise required by State law.

And, if applicable:

Alternative Mobility Solution (AMS) for Vehicle Owners (RO and Claim Comments Required)

This Service Action repair qualifies for Alternative Mobility Solution (AMS) expense reimbursement, claim this item under the Defect Code noted above as follows:

Sublet Code 2 - Itemize the AMS sublet amount on the repair order and in the claim comment section.

Please refer to SI B01 29 16 for additional information.

FEEDBACK REGARDING THIS BULLETIN

Technical Feedback	To submit feedback for the technical topics of this bulletin: Submit your feedback in the rating box at the top of this bulletin
Warranty Feedback	To submit feedback for the CLAIMS section of this bulletin: Submit an IDS ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department