



SIB 61 12 23

2023-05-18

SERVICE ACTION: G09 PROGRAM CONTROL UNITS (SME)

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

☐	THIS REPAIR IS MOBILE FRIENDLY
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MODEL

E-Series	Model Description	Production Date
G09	XM Sports Activity Vehicle	November 21, 2022 - February 7, 2023

AFFECTED VEHICLES

Vehicles which require this campaign to be completed will show it as “Open” when checked either in AIR, AWP, Campaign Summary or Warranty Vehicle Inquiry.

SITUATION

BMW AG has issued a Technical Campaign on Model Year 2023 BMW XM Sports Activity vehicles that were produced between November 21, 2022 and February 7, 2023.

The on-board diagnosis specifications may not be met.

CAUSE

The “CAL ID” of the high-voltage battery memory management electronics (SME) was stored in an incorrect storage location.

CORRECTION**Important Warning for Working on the High-Voltage (HV) systems on BMW Group vehicles:**

Only properly trained personnel, who passed all applicable HV Technical Training Courses, should perform repairs which require disconnecting, or removal of High Voltage battery components on any Hybrid or Electric Vehicle. Work performed on High Voltage systems by unqualified persons may result in severe injury or damage to the vehicle. Additional safety information is found in Repair Instruction 61 00... “Observe safety instructions when handling electric vehicles”.

Prior to disconnecting, or the removal of any HV component, the HV system needs to be disabled and secured (by means of the HV Service Disconnect Switch and lock out) by a properly trained HV technician, who has a minimum HV Qualification level after completing the Technical Training Course “ST2324 High Voltage Drivetrain Systems” which as of 1/2023* includes ST1824 Alternative Drive Part 1.

*** Note: As of January 2023, the HV component portion of the “ST2205 Generation 5 High-voltage class” (except for the High Voltage Battery) has been merged into “ST2324 High Voltage Drivetrain Systems”.**

Up to Generation 4 Vehicles: Once the vehicle’s HV system is disabled (the “Blitz” - lightning bolt icon is displayed in instrument cluster, see below), a technician without HV Certification may remove a HV component (e.g., EH Heater, EKK Compressor, EME Control Unit, et.), except for the High Voltage Battery.

For Generation 5 Vehicles however, the specific vehicle training is required to diagnose, remove and service any HV component and it is NOT allowed for non HV certified technicians to work on the

high voltage system.

High Voltage Battery removal and rework can ONLY be performed by a High-voltage Certified Technician with a HV Battery Certification level corresponding to a specific Electric or Hybrid vehicle, for example:

To repair GEN4 HV battery of G05 PHEV a certification from Technical Training Course “ST2006 – SP44 HV Battery” or equivalent ST1825 – Alternative Drive Part 2 is required (or as of 1/2023 the equivalent “ST 2325 for High Voltage Battery Systems”).

And

To repair A GEN5 HV battery the Technical Training Course “ST2205 Generation 5 High-voltage class” is required or as of 1/2023* the equivalent “ST 2325 for High Voltage Battery Systems”.

***Note: As of January 2023, the “ST2205 Generation 5 High-voltage stand-alone class” has been merged into “ST2324 for High Voltage Drivetrain Systems” and “ST2325 for High Voltage Battery Systems”**

Determine what is the vehicle’s current I-level by either using AIR or the ISPA NEXT/Aftersales Workplace (AWP) application.

1. Perform a vehicle test with ISTA 4.41.2x (released ~ May 9, 2023) or later.
2. Perform conversion “Activation bootloader update memory management electronics 02” via the ISTA path, Vehicle management / Vehicle modification / Conversion.
3. Accept and work through the entire measures plan with the control units to be programmed/encoded and, if necessary, activated (I-Level S18A-23-03-545 or later).
4. Perform conversion “Deactivation bootloader update memory management electronics 02” via the ISTA path, Vehicle management / Vehicle modification / Conversion.
5. Accept and work through the entire measures plan with the control units to be programmed/encoded and, if necessary, activated/deactivated (I-Level S18A-23-03-545 or later).
6. Note: that 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 ([SI B04 23 10](#)) when performing programming.

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

Select this open Technical Campaign to perform and submit for updating the vehicle to the required I-level or higher.

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

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

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Defect Code:	0061620700	G09 Program control units (SME - CAL ID)
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Completion before the first vehicle delivery to a customer or the vehicle is already in the workshop

Work Pkg	Labor Operation	Description (Plus work)	Labor Allowance
# 1	00 73 945	Converting, programming, and encoding the vehicle control units, includes Carrying out vehicle test (00 00 556/61 21 528)	8 FRU

Or:

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)

Work Pkg	Labor Operation	Description (Main work)	Labor Allowance
# 2	00 73 349	Converting, programming, and encoding the vehicle control units, includes Carrying out vehicle test (00 00 006/61 21 528)	10 FRU

Only one of the flat rate labor operation codes listed above can be used for claim submission/reimbursement purposes. 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: B61 12 23 WP 1), unless otherwise required by State law.

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

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.

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
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