SIB 61 14 24 2024-08-22

DELIVERY STOP: HIGH-VOLTAGE CABLE HARNESS

This Service Information Bulletin (Revision 2) replaces SI B61 14 24 dated **June 2024**.

What's New:

- SIB title changed
- Procedure section added
- Parts section added
- Claim Information section completely revised

☐	THIS REPAIR IS MOBILE FRIENDLY

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.

MODEL

E-Series	Model Description	Production Date
G70	i7 Sedan (Battery Electric Vehicle (BEV))	August 4, 2021 – May 2, 2024

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.

Please make sure you check your dealer inventory as soon as possible. As of June 15, 2024, you can see a list of affected vehicles in Inventory Campaign Details (ICD) under ROSS.

SITUATION

BMW AG has issued a Delivery Stop (effective June 14, 2024) on certain Model Year 2023 - 2024 BMW vehicles that were produced between August 4, 2021, and May 2, 2024.

The rear high-voltage cable for the electric drive unit can chafe causing a Check Control message "Drive faulty".

Do not deliver to a customer, a New, Certified Pre-Owned or Used vehicle subject to a Delivery Stop, until the remedy is completed. Do not use or sell replacement equipment/parts subject to a Delivery Stop.

CAUSE

Chafing of the rear high-voltage cable for the electric drive unit.

CORRECTION

Inspecting high-voltage cable and replace cable and/or install abrasion protection if required.

PROCEDURE

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"**

1. Remove the high-voltage cable for the rear electrical machine as described in repair instruction REP 61 12 477 "Removing and installing/replacing rear electrical machine high-voltage cable (Rear electrical machine)".

2. Inspect the entire high-voltage cable for chafing or damage.

   a. If chafing or damaged is found, replace the high-voltage cable, and install retrofit abrasion protection if required. Refer to REP 61 12 477 "Removing and installing/replacing rear electrical machine high-voltage cable (Rear electrical machine)" for installation of the abrasion protection.
   b. If chafing or damaged is **NOT** found, install retrofit abrasion protection if required. Refer to REP 61 12 477 "Removing and installing/replacing rear electrical machine high-voltage cable (Rear electrical machine)" for installation of the abrasion protection.

3. Reinstall the high-voltage cable for the rear electrical machine as described in repair instruction REP 61 12 477 “Removing and installing/replacing rear electrical machine high-voltage cable (Rear electrical machine)”.

Note: If a replacement or installed high-voltage cable with an index AI08 is installed/received, the abrasion protection must be retrofitted prior to installation.

If a replacement or installed high-voltage cable with an index of AI09 (or higher) is installed/received, the abrasion protection is already installed and does not have to be retrofitted.

PARTS INFORMATION

Only use and invoice the part numbers below that apply.

Part Number	Description	Quantity
61 29 5 B5B BE9	Repair cable	1
61 12 5 A37 103	High voltage wiring harness	1 (if required)

Additionally, other small parts that are not specified above, such as one-time use screws, nuts, O-rings 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 repair code.

CLAIM INFORMATION

Reimbursement for this Action will be via normal claim entry utilizing the applicable work package information below, and when required, the part numbers listed above that apply.

Repair Code:	**0061590800**	**G70 BEV Retrofitting abrasion protection for high-voltage cable of rear electric drive unit**

Below are the special flat rate labor operation code choices for this action.

Completion before the first vehicle delivery to a customer or the vehicle is already in the workshop.

Note: Work Package choices #1 and #2 have been removed.

Work Pkg	Labor Operation	Description (Plusposition work)	Labor Allowance
# 2	00 76 805	Remove and install the high-voltage cable at the rear and check for damage (No repair is needed)	10 FRU
Or:			
# 3	00 76 806	Check the high-voltage cable at the rear for damage and replace	10 FRU
And:			
When applicable	00 76 807	Additional work to retrofit abrasion protection	2 FRU

Or:

The vehicle arrives at your center and this 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
# 4	00 76 193	Remove and install the high-voltage cable at the rear and check for damage (No repair is needed)	11 FRU
Or:			

# 5	00 76 194	Check the high-voltage cable at the rear for damage and replace	11 FRU
And:			
When applicable	00 76 807	Additional work to retrofit abrasion protection	2 FRUs

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 technician’s RO notes and in the claim comments (For example: B61 14 24 WP 2), unless otherwise required by State law.

When applicable, also explain the additional work that was performed.

FEEDBACK REGARDING THIS BULLETIN

Technical Feedback	To submit feedback for the technical topic 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

Supporting Materials