



SIB 61 14 22

2022-11-14

## RECALL 22V-541: HIGH-VOLTAGE BATTERY

This Service Information Bulletin (Revision 2) replaces SI B61 14 22 dated October 2022.

### What's New:

- Cell modules return procedure note
- Vehicle production dates

## MODEL

E-Series	Model Description	Production Date
G26 BEV	i4 Gran Coupe	November 10, 2021 – October 21, 2022

## AFFECTED VEHICLES

Vehicles which require this Recall 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.

BMW AG is conducting a Voluntary Safety Recall (effective July 21, 2022) on a small number of Model Year 2022 BMW i4 Gran Coupe vehicles that were produced between November 22, 2021, and June 13, 2022.

**Affected vehicles are not to be driven or charged and to be parked away from any buildings.**

## SITUATION

During supplier production, the high-voltage battery may not have been produced to specifications. A short-circuit could occur which could lead to a thermal event. The affected high-voltage battery cell module will be replaced.

We will be turning VINs green "Remedy Available" based on parts availability. The BMW Customer Relations department will contact the appropriate dealer to have them place a Recall IDS ticket for the parts for a specific vehicle. Then Customer Relations will assist in scheduling an appointment based on the arrival of the parts. **It is essential that the allotted IDS part goes to the assigned vehicle.**

## CAUSE

Some high-voltage battery modules may not have been produced to specifications.

## CORRECTION

Removal and replacement of affected high-voltage cell modules.

## 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".**

### **Additional Information:**

**Scheduled Maintenance, or Quality Certification 1 (Pre-Delivery Inspection) on Electric or Hybrid vehicles does not require HV technical training.**

Prior to disconnecting, or the removal of any HV component, the HV system needs to be disabled and secured (by means of the HV Disconnect Switch) by a properly trained technician, who has a minimum HV Qualification level after completing the Technical Training Course ST1824 (Alternative Drive Part 1). Once the vehicle's HV system is disabled (the "Blitz" - lightning bolt icon 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.



High Voltage Battery removal and rework can be performed ONLY by a HV Specialist Technician (certified by the Technical Training Course ST1825 – Alternative Drive Part 2), AND with a HV Battery Certification level corresponding to a specific Electric or Hybrid vehicle (e.g., to repair GEN4 battery of G05 PHEV, certification from Technical Training Course "ST2006 – SP44 HV Battery" is required).

Therefore, to perform this SIB 61 14 22 a GEN5 battery Certification is required from Technical Training Course "ST2205 Generation 5 High-voltage" class).

BMW recommends NOT to drive the vehicle NOR charge the high-voltage battery until all repair work below has been completed.

The steps below must be followed precisely:

1. Please perform the **cell module read out** test plan in ISTA to determine the serial numbers and locations of the high-voltage cell modules installed in the vehicle.

Diagnostic path:

Vehicle management > Service function > Electric drive > High-voltage battery unit >

**High-voltage battery unit: Read out stored serial numbers ABL.**

The "**High-voltage battery unit: Read out stored serial numbers**" test plan has been updated to identify the high-voltage cell modules affected by this campaign and their location in the high-voltage battery.

The update will be included in ISTA version 4.38.1x, estimated availability as of October 21, 2022 (pending verification).

**Note:**

**If the test plan is not yet available at the time of the repair or the test plan was inconclusive in identifying the affected modules, please submit a TSARA case titled "Gen 5 HV Battery cell module ID process" for assistance.**

2. The high-voltage battery must be discharged prior to removal to an average **cell voltage** of 3.51V using the ISTA test plan below, **before** the high-voltage battery is opened and the defective modules are removed.

Diagnostic path:

Vehicle management > Service function > Electric drive > High-voltage battery unit >

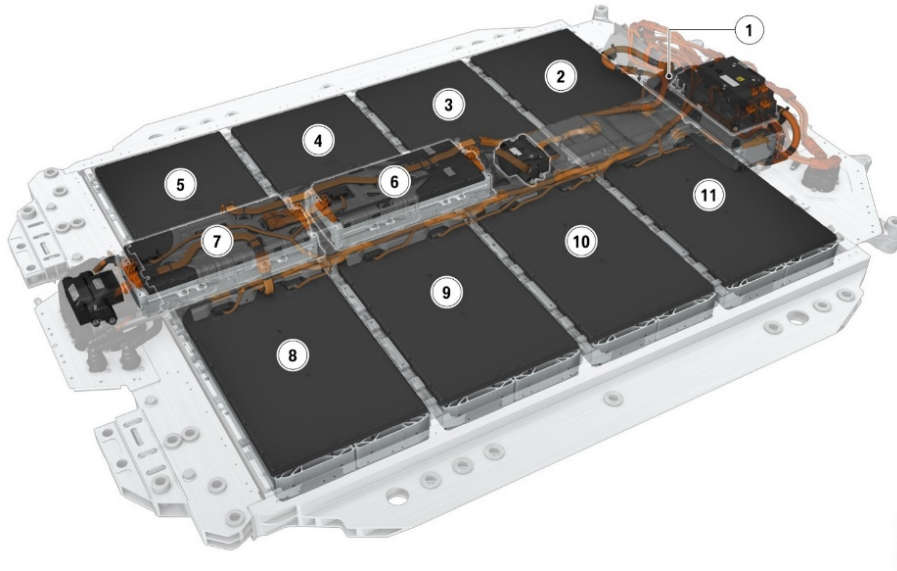
**High-voltage battery unit discharged to a defined state of charge (SOC) ABL.**

**Note:**

**The High-voltage battery unit discharged to a defined state of charge (ABL) service function is ONLY available if the high-voltage battery temperature is between 15°C and 35°C (59 to 95 F).**

- Replace the defective high-voltage cell modules using repair instructions **61 27 703** to **61 27 877** depending on the affected cell module location.

G26 BEV SE27 HB Battery module locations shown below-



## PARTS INFORMATION

Only use and invoice the applicable part listed number below.

### G26 BEV

Part Number	Description	Quantity
61 27 9454253	Multi-purpose bolt (M12X1.5X45)	14
61 25 8833851	Hexagon bolt (M12x5x130)	2
61 25 8833846	Hexagon bolt (5x105)	6
07 14 6884435	ASA Multi-purpose bolt (M10x35)	4
33 32 6760340	Torx bolt with washer (M12x127-10.9)	4
33 30 6861221	Torx bolt (ISA M12x35- 10.9)	10
61 27 9884703	Gasket	1
07 14 8860492	Screw (M5)	82
07 14 8838288	Sealing screw (M8x28)	20
61 27 9454854	Screw	as needed (max 63)
61 27 8677639	Screw (M6x18)	as needed (max. 22)
39 10 6865725	Multi-purpose bolt	4
07 14 8835104	Multi-purpose bolt (M12x1.5x72-10.9)	4
07 14 6899140	Cage nut (M12x1.5-10- ZNS3)	4
depending on the availability		
61 27 8847350	Cell module, high-voltage battery	Up to 3
61 27 8847342	Double module for high-voltage battery	Up to 4
Or		
61 27 8847333	Cell module, high-voltage battery	Up to 3
61 27 8847327	Double module for high-voltage battery	Up to 4

**Recalled Part Retention**

**Recalled parts that are removed from BMW vehicles cannot be used for resale! The recalled parts are the property of BMW NA.**

Your center is responsible for the proper identification, storage and documentation of these parts. They must be held in a secure retention area until notification of claim payment is made by BMW NA through DCSnet.

**Please DO NOT return these recalled High Voltage (HV) battery modules directly to the WPRC or through the current HV Battery return process.**

Please refer to the following document for the procedure that applies to returning these Recalled HV Battery Modules:

**Note:**

**The Gen 5 high-voltage cell module return process is different from the Gen 4 and has NOT been finalized yet per this SIB’s Revision 2. This bulletin will be updated when the new procedure is available.**

For the latest related training, refer to:

- **Bulletin #: B-2-0322-0301\_HV-Battery\_Recall\_Training**

For more information refer to CenterNet: “Menu>BMW>Aftersales>Business Development & Marketing Portal>Batteries>HV Training Module”.

**CLAIM INFORMATION**

Reimbursement for this Recall will be via normal claim entry utilizing the relevant work package, the additional work labor operation for the applicable FRU allowance and the part numbers listed above that apply.

<b>Plus work (+)</b>	The vehicle is already in the workshop
<b>Main work</b>	The vehicle arrives for this Recall, no other Main work will be performed/ claimed during this workshop visit

<b>Defect Code:</b>	<b>0061970600</b>	<b>G26 BEV Replacing high-voltage battery cell module</b>
---------------------	-------------------	---

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

<b>Work Pkg</b>	<b>Labor Operation</b>	<b>Description</b>	<b>Labor Allowance</b>
#1	00 72 880	Removing and installing high-voltage battery unit, and removing/installing lid for high-voltage battery unit (Includes 61 27 900 - High-voltage battery unit final test, draining and topping up the coolant circuit) <b>(Plus work)</b>	109 FRU
Or:			
#2	00 72 299	Removing and installing high-voltage battery unit and removing/installing lid for high-voltage battery unit (Includes 61 27 900 - High-voltage battery unit final test, draining and topping up the coolant circuit) <b>(Main work)</b>	111 FRU

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.

**Additional Work with Labor Operation 00 72 880 (WP 1) or 00 72 299 (WP 2)**

**Note:** Claim labor operation 00 72 300 one-time only for the applicable total FRU allowance that applies. Itemize the total work time (WT) FRU allowed claimed on the RO and in the claim comments.

Work time labor operation code 00 72 300 is not considered a Main labor operation.

Labor Operation	Labor Description	Labor Allowance
00 72 300	<b>Only when the test module “High-voltage battery unit: Read out stored serial numbers” is not available:</b> Please submit a TSARA case titled “Gen 5 HV Battery cell module ID process” for assistance. Perform a Vehicle Test (Includes 00 00 556/61 21 528) and run the HV battery discharge procedure	6 FRU

Then, after the test module becomes available

Labor Operation	Labor Description	Labor Allowance
00 72 300	Perform the cell module read out test plan in ISTA to determine the serial numbers and locations of the high-voltage cell modules affected by this Recall (Includes 00 00 556/61 21 528) and run the HV battery discharge procedure	6 FRU

And, as instructed above:

**A. 00 72 300 – Replacing Single Cell Module 1**

Labor Description	Labor Allowance
Replacing cell module 1	12 FRU

Or:

**B. 00 72 300 – Replacing Single Cell Modules 6 and/or 7**

Labor Description	Labor Allowance
Replacing cell module 6	14 FRU
Or:	
Replacing cell module 7	14 FRU

Or:

**C. 00 72 300 – Replacing Single Cell Modules (1, 6 and/or 7)**

Labor Description	Labor Allowance

A and B - 2 single cell modules (1 and 6 or 7)	26 FRU
B only - 2 single cell modules (6 and 7)	28 FRU
A and B for 3 cell modules (1, 6 and 7)	40 FRU

Or:

**D. 00 72 300 – Replacing Dual-Cell Modules 2, 3, 4, 5 (Includes cell modules 6 and 7)**

**Only One (1) Dual-Cell Module (with A when applicable)**

Labor Description (	Labor Allowance	With Cell Module 1 (A)
Replacing dual-cell module 2 (Includes cell 11)	15 FRU	27 FRU
Or:		
Replacing dual-cell module 3 (Includes cell 10)	13 FRU	25 FRU
Or:		
Replacing dual-cell module 4 (Includes cell 9)	13 FRU	25 FRU
Or:		
Replacing dual-cell module 5 (Includes cell 8)	11 FRU	23 FRU

Or:

**Only Two (2) Dual-Cell Modules (with A when applicable)**

Dual-cell modules (C)	2/3 (2)	2/4 (2)	2/5 (2)	3/4 (2)	3/5 (2)	4/5 (2)
2 (Includes cell 11)	15 FRU	15 FRU	15 FRU			
3 (Includes cell 10)	13 FRU			13 FRU	13 FRU	
4 (Includes cell 9)		13 FRU		13 FRU		13 FRU
5 (Includes cell 8)			11 FRU		11 FRU	11 FRU
<b>Totals</b>	<b>28 FRU</b>	<b>28 FRU</b>	<b>26 FRU</b>	<b>26 FRU</b>	<b>24 FRU</b>	<b>24 FRU</b>
Cell module 1 (A)	12 FRU	12 FRU	12 FRU	12 FRU	12 FRU	12 FRU
<b>Totals with A</b>	<b>40 FRU</b>	<b>40 FRU</b>	<b>38 FRU</b>	<b>38 FRU</b>	<b>38 FRU</b>	<b>36 FRU</b>

Or:

**Only Three (3) Dual-Cell Modules (with A when applicable)**

Dual-cell modules (C)	2/3/4 (3)	2/3/5 (3)	3/4/5 (3)	2/4/5 (3)	All (4)
2 (Includes cell 11)	15 FRU	15 FRU		15 FRU	15 FRU
3 (Includes cell 10)	13 FRU	13 FRU	13 FRU		13 FRU
4 (Includes cell 9)	13 FRU		13 FRU	13 FRU	13 FRU
5 (Includes cell 8)		11 FRU	11 FRU	11 FRU	11 FRU
<b>Totals</b>	<b>41 FRU</b>	<b>39 FRU</b>	<b>37 FRU</b>	<b>39 FRU</b>	<b>52 FRU</b>
Cell module 1 (A)	12 FRU	12 FRU	12 FRU	12 FRU	12 FRU
<b>Totals with A</b>	<b>53 FRU</b>	<b>51 FRU</b>	<b>49 FRU</b>	<b>51 FRU</b>	<b>64 FRU</b>

Or:

**E. 00 72 300 – All Single Cell (3) and Dual-Cell (4) Modules**

Labor Description	Labor Allowance
Replacing all cell modules	99 FRU

And, with any of the above:

Labor Description	Labor Allowance
Additional work with pressure test cooling system high-voltage battery unit Associated work (coolant drained) (to high-voltage battery unit)	4 FRU

**Note:** Claim labor operation 00 72 300 one-time only for the applicable total FRU allowance that applies.

**Claim Repair Comments**

Only reference this SIB number, the work package (Pkg) number performed, and cell modules replaced by their reference number in the RO technician notes and the claim comments (For example: B61 14 22 WP 1, Cell modules 2, 4, 5), unless otherwise required by State law.

**Sublet – Bulk Materials (RO and Claim Comments Required)**

<b>Sublet Code 4</b>	Up to \$100.00	Reimbursement for the repair-related bulk materials (Do not use the BMW part numbers for claim submission)
----------------------	----------------	--

Sublet reimbursement calculation for claiming the applicable repair-related bulk materials (BMW part numbers) is at the dealer net price amount for the quantities used plus your center’s handling.

Enter this material cost in sublet and itemize the amount on the repair order and in claim comment section

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

This Recall 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.

**Reimbursement of Prior Customer-Pay Repairs (TREAD Act)**

Based on the issue and the age of the Affected Vehicles being addressed by this Safety Recall Campaign, a reimbursement request for a qualifying prior customer-pay repair is not likely.

However, if you do receive a reimbursement request from a customer for a prior repair that may qualify, please contact the Warranty department (include a legible copy of the invoice) through IDS by selecting Coverage, Policy, Coding Questions and Mileage Corrections. The Warranty department will review and respond to your inquiry accordingly.

**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

**Supporting Materials**

- [picture\\_as\\_pdf B611422 C\\_2\\_0322\\_0301\\_HV\\_Battery\\_Recall\\_Training.pdf](#)
- [picture\\_as\\_pdf B611422 Recall Notice.pdf](#)





## **SAFETY RECALL NOTICE**

To: All Center Operators, Sales Managers, Service Manager, Parts Manager and Warranty Processor

RE: Recall 22V-541: High-Voltage Battery – B61 14 22

BMW AG is conducting a Voluntary Safety Recall (effective July 21, 2022) on a small number of Model Year 2022 BMW i4 Gran Coupe vehicles that were produced between November 22, 2021 and June 13, 2022.

**Affected vehicles are not to be driven or charged and to be parked away from any buildings.**

**Please be reminded that it is a violation of federal law (The Safety Act) for you to sell, lease or deliver any new motor vehicle covered by this notification until the recall repair has been performed. This means that centers may not legally deliver new motor vehicles to consumers until they are fixed or use/sell replacement equipment/parts subject to this recall. Note also that substantial civil penalties apply to violations of the Safety Act.**

**Also, you should not sell, lease or deliver any Certified Pre-Owned or used vehicles subject to a safety recall until the repair is completed.**

**Please follow any special instructions that we provide to you for the return or disposition of recall parts.**

We appreciate all your assistance with this Recall.

Bulletin #: C-2-0322-0301		<input checked="" type="checkbox"/> Take Note	<input checked="" type="checkbox"/> Take Action
<input type="checkbox"/> Retail Operator	<input type="checkbox"/> Sales Pre-Owned	<input type="checkbox"/> Business Manager	<input checked="" type="checkbox"/> Parts & Accessories
<input type="checkbox"/> General Manager	<input type="checkbox"/> Sales New Car	<input checked="" type="checkbox"/> Service	<input type="checkbox"/> Administration
Name: Cesar Ortiz		Phone Number: 201-571-5143	
Title: Hazardous Materials Training for HV Battery Recall		Source: Aftersales Business Development & Technical Service	
Date: 03.8.2022		Supersedes: B-2-0321-0301	



# HAZARDOUS MATERIALS TRAINING FOR HV BATTERY RECALLS

## TAKE NOTE

- RECALL 20V-601, (B61 23 20) & (B61 21 20) and RECALL 20V-490 (B61 17 20); HIGH-VOLTAGE BATTERY RECALL will be referred to in this document as HV Battery Recalls. HV Battery Recalls require Centers to ship dangerous goods/hazardous materials (DG/HM).
- Center employees preparing shipments of recalled battery modules must be trained in accordance with US DOT Hazardous Materials Regulations (HMR).
- Training materials are attached to DCS Message & will be hosted in CenterNet after DCS expires. For DGIS subscribers, the materials can also be accessed on the DGIS Homepage. Training content includes general, safety and security awareness as well as function-specific material that references battery modules and packaging applicable to HV Battery Recalls.
- A training acknowledgement letter will be used to communicate to BMW the names of the employee(s) who complete this training. **ITAP**, the HV recall battery recovery services provider, will request a copy of this letter before arranging Center shipments.
- **Recalled parts that are removed from BMW vehicles cannot be used for resale! The recalled parts are the property of BMW NA.** Your Center is responsible for the proper identification, storage, and documentation of these parts. They must be held in a secure retention area until notification of claim payment is made by BMW NA through DCSnet.

## TAKE ACTION

- Have designated DG/HM employee(s) review training materials and complete included test.
- Using included answer key, grade test(s) to confirm employee understands how to perform the functions outlined in training materials.
- Complete one training acknowledgement letter with the names of each employee who successfully completed training and return to the BMW Dealer Services Group via IDS Parts Logistics US>Returns/Claims/Quality>Other prior to initiating recall shipments.

## DETAILS

### RECALL:

High voltage battery modules are classified as damaged, defective, or recalled (DDR) lithium-ion batteries. Shipments of recalled batteries require special packaging, and employees preparing packages must have applicable regulatory compliance training.

### KEY REMINDERS:

Acknowledgement letter must be returned to BMW before battery shipments can be initiated.

### LEGAL REQUIREMENTS:

Certain legal requirements must be fulfilled to tender hazardous materials for transportation. These requirements include, but are not limited to:

- Centers must have *at least* one hazmat employee trained according to US DOT regulations ([49 CFR, Part 172, Subpart H](#)) to prepare recalled battery shipments.
- Lithium ion batteries must be packaged, marked, labeled, and documented in accordance with applicable requirements of [49CFR, Parts 100-185, the Hazardous Materials Regulations](#). This information can be found in above referenced training and supplemented by instructional documents provided by ITAP.
- A separate communication will provide packaging and reverse logistics details. ITAP will provide module packaging kits and guidance for assembling and closing the packages. ITAP will also coordinate reverse logistics to their recovery location.
- ITAP will provide hazmat shipping papers to Centers once modules are packaged and prepared for shipment.
  - **DO NOT USE DGIS** to create hazmat shipping papers.
  - US DOT regulations require all **hazmat shipping papers** (e.g. bills of lading/BOLs) to be **retained** and accessible **for two years** after the date of shipment (49 CFR 172.201(e)).
- Emergency response phone number and information will also be provided by ITAP for module shipments.
- The Center is exclusively responsible for ensuring compliance with all current US DOT hazardous materials transportation regulations (49CFR, Parts 100-185).
- The Center will be responsible for all fines or penalties resulting from improper shipment of hazardous material to ITAP.

### PREREQUISITE FOR HV BATTERY RECALL SHIPMENTS:

- Centers are required to submit acknowledgement of completion of DDR lithium battery training to BMW before shipping any recalled modules.
- **Acknowledgement letter** must be scanned and sent to the Dealer Services Group via **IDS Parts Logistics US>Returns/Claims/Quality>Other**
- Centers are required to submit their training acknowledgement form to ITAP when scheduling their first pickup.

## MORE QUESTIONS?

**Training files are hosted in CenterNet Via:**

Menu>BMW>Aftersales>Business Development & Marketing Portal>Batteries>HV Training Module

**Aftersales Business Development Contacts:**

Name	Phone	Email	Title
Cesar Ortiz	201-571-5143	<a href="mailto:Cesar.S.Ortiz@bmwna.com">Cesar.S.Ortiz@bmwna.com</a>	Chemical & Battery Program Manager
Jimmy Cox	201-307-4324	<a href="mailto:James.JC.Cox@bmwna.com">James.JC.Cox@bmwna.com</a>	Chemical, Battery & Oil Program Sales Manager
Joachim Pusch	201-546-4635	<a href="mailto:Joachim.Pusch@bmwna.com">Joachim.Pusch@bmwna.com</a>	Aftersales Business Development Manager – Service and Parts