



SIB 61 16 23

2023-09-08

**RECALL 23V-449: REPLACE COMBINED CHARGING UNIT**

This Service Information Bulletin (Revision 2) replaces SI B61 16 23 **dated July 14, 2023**.

**What's New:**

- Parts Section

**MODEL**

<b>E-Series</b>	<b>Model Description</b>	<b>Production Date</b>
G26	i4 eDrive 40, i4 M50 Gran Coupe Battery Electric Vehicle (BEV)	June 21, 2022 – July 29, 2022
G70	i7 xDrive60 Sedan BEV	September 1, 2022

**AFFECTED VEHICLES**

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. Please make sure you check your dealer inventory as soon as possible. As of June 23, 2023, you can see a list of affected vehicles in Inventory Campaign Details (ICD) under ROSS.

**SITUATION**

BMW AG is conducting a Voluntary Safety Recall (effective June 22, 2023) on certain Model Year 2022 - 2023 BMW vehicles that were produced between June 21, 2022, and September 1, 2022.

The Combined Charging Unit (CCU) may not have been produced according to specifications.

The Recall Notice and Q&A have been attached for further information.

**CAUSE**

The Combined Charging Unit (CCU) may not have been produced according to specifications. It might result in a failure of the Combined Charging Unit (for example: charging interruption, no high-voltage readiness when starting up, the high-voltage system switching off while driving, causing the vehicle to coast slowly to a stop).

**CORRECTION**

Replace the Combined Charging Unit (CCU).

**PROCEDURE**

Replace the Combined Charging Unit (CCU), see repair instructions **REP 61 42 501**.

**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 24 22 a GEN5 battery Certification is required from Technical Training Course "ST2205 Generation 5 High-voltage" class).

## PARTS INFORMATION

Only use and invoice the applicable part listed number below.

Please refer to the Parts Matrix for the most up to date ordering procedure.

Part Number	Description	Quantity
61 44 5A73E23	Combined Charging Unit (CCU) (G26, G70)	1
12 90 9884545	Hexagon Bolt	4

### Bulk Material

Part Number	Description	Quantity
83 19 2 468 442	Ht-12 Coolant (1 gal concentrate)	Sublet as needed
Or:		
83 19 5 A32 851	HT-12 Antifreeze RTU (Bulk 1/10 Liter) (Pre-mix)	Sublet as needed

### 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.

## CLAIM INFORMATION

### Vehicle Programming and Encoding

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.

**After replacing the CCU, select one of these open Technical Campaigns to perform and submit for updating the vehicle to the required I-level or higher.**

**Please be sure to also perform any additional before and/or after work (including attaching labels) as required by the open campaigns on the vehicle. 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 Recall will be via normal claim entry utilizing the work package information below that applies with the part numbers listed above.

<b>Repair Code:</b>	<b>0061890700</b>	<b>Replace Combined Charging Unit (CCU)</b>
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**Completion before the first vehicle delivery to a customer or the vehicle is already in the workshop**

<b>Work Pkg</b>	<b>Labor Operation</b>	<b>Description (Plus work)</b>	<b>Labor Allowance</b>
# 1	00 74 840	Replacing the Combined Charging Unit (CCU), program and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 556/61 21 528)</b>	34 FRU (G26 i4 eDrive40) 35 FRU (G26 i4 M50) 37 FRU (G70)
Or:			
# 2	00 74 841	Replace Combined Charging Unit (CCU) (Programming and encoding the vehicle control units was performed in conjunction with <b>another campaign/repair during this workshop visit</b> )	26 FRU (G26 i4 eDrive40) 27 FRU (G26 i4 M50) 29 FRU (G70)

Or:

**The vehicle arrives at your center and this Recall shows open (No other Main work will be performed or claimed during this workshop visit)**

<b>Work Pkg</b>	<b>Labor Operation</b>	<b>Description (Main work)</b>	<b>Labor Allowance</b>
# 3	00 74 199	Replacing the Combined Charging Unit (CCU), program and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 556/61 21 528)</b>	36 FRU (G26 i4 eDrive40) 37 FRU (G26 i4 M50) 39 FRU (G70)
Or:			
# 4	00 74 200	Replace Combined Charging Unit (CCU) (Programming and encoding the vehicle control units was performed in conjunction with <b>another campaign/repair during this workshop visit</b> )	28 FRU (G26 i4 eDrive40) 29 FRU (G26 i4 M50) 31 FRU (G70)

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**

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Only reference the SIB number and the work package (Pkg) number performed in the RO technician notes and the claim comments (For example: B61 16 23 WP 1), unless otherwise required by State law.

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

<b>Sublet Code 4</b>	Up to \$25.00	Reimbursement for the repair-related bulk material (Do not use the BMW part number for claim submission)
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Sublet reimbursement calculation for claiming the applicable repair-related bulk material (BMW part numbers) is at the dealer net price amount for the proportional quantity used plus your center's handling.

BMW Antifreeze/Coolant: Claim the corresponding sublet dollar amount for the quantity needed to replace what was drained. The one gallon concentrate part number at a quantity for a 50/50 coolant concentrate/water solution.

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

### **Programming and Encoding – Additional Work (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 Repair 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.

### **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 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

[picture\\_as\\_pdf B611623 Recall Notice.pdf](#)

[picture\\_as\\_pdf B611623 23V-449-CCU-FAQ-\(22Jun2023\) - Copy.pdf](#)



## **SAFETY RECALL NOTICE**

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

RE: Recall 23V-449: Replace Combined Charging Unit – B61 16 23

BMW AG is conducting a Voluntary Safety Recall (effective June 22, 2023) on certain Model Year 2022 - 2023 BMW vehicles that were produced between June 21, 2022, and September 1, 2022.

**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.

**Safety Recall**  
**23V-449**  
**Combined Charging Unit**  
**Model Year 2022-2023**  
**BMW i4, i7, iX**  
**Issue Date: 06/22/2023**

- Q1. Which BMW Group models in the US are potentially affected by this Safety Recall?**  
Certain Model Year 2022-2023 BMW i4, i7, and iX models in the US are potentially affected.
- Q2. What is the specific issue?**  
The Combined Charging Unit (CCU) may not have been produced according to specifications by the supplier which could cause a vehicle to stall.
- Q3. Why are other models / vehicles not included in this Safety Recall?**  
Other models have a Combined Charging Unit (CCU) produced to specifications by the supplier.
- Q4. Can I continue to drive my vehicle?**  
Yes. However, when you are notified by BMW of this Safety Recall, please contact an authorized BMW center to schedule an appointment as soon as possible. For the latest updates to this Safety Recall, please visit [bmwusa.com/recall](http://bmwusa.com/recall). **If you are not the only driver of this vehicle, please advise all other drivers of this important information.**
- Q5. How did BMW Group become aware of the issue?**  
BMW Group became aware of the issue through its quality control procedures.
- Q6. How will I be informed of this Safety Recall?**  
Owners of potentially affected vehicles will be notified via First Class mail and requested to schedule an appointment with an authorized BMW center to have the remedy performed.
- To ensure BMW has the most up-to-date contact and vehicle information, owners should register their vehicle at [www.bmwusa.com/myBMW](http://www.bmwusa.com/myBMW). Registration is free and will give them access to other information specific for their BMW vehicle. Alternatively, owners can visit [bmwusa.com/recall](http://bmwusa.com/recall) and click on “**Manage recall notices and contact information**”.
- Q7. How will my vehicle be remedied?**  
Potentially affected vehicles will have the Combined Charging Unit (CCU) replaced for free which should take several hours.
- Q8. Do I have to wait for BMW to contact me to have the remedy performed?**  
Yes. We are in the process of implementing this Safety Recall campaign to ensure that the necessary parts are at the BMW centers. For the latest updates to this Safety Recall, please visit [bmwusa.com/recall](http://bmwusa.com/recall).





SIB 61 17 23

2023-09-08

**RECALL 23V-449: REPLACE COMBINED CHARGING UNIT**This Service Information Bulletin (Revision 2) replaces SI B61 17 23 **dated July 2023**.**What's New:**

- Parts sections

**MODEL**

<b>E-Series</b>	<b>Model Description</b>	<b>Production Date</b>
i20	iX Sports Activity Vehicle Battery Electric Vehicle (SAV, BEV)	June 27, 2022 – September 1, 2022

**AFFECTED VEHICLES**

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**SITUATION**

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The Recall Notice and Q&A have been attached for further information.

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The Combined Charging Unit (CCU) may not have been produced according to specifications.

It might result in a failure of the Combined Charging Unit (for example: charging interruption, no high-voltage readiness when starting up, the high-voltage system switching off while driving, causing the vehicle to coast slowly to a stop).

**CORRECTION**

Replace the Combined Charging Unit (CCU).

**PROCEDURE**

Replace the Combined Charging Unit (CCU), see repair instructions **REP 61 42 501**.

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

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**Additional Information:**

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**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.**



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**Therefore, to perform this SIB 61 24 22 a GEN5 battery Certification is required from Technical Training Course "ST2205 Generation 5 High-voltage" class).**

## **PARTS INFORMATION**

**Only use and invoice the applicable part listed number below.**

**Please refer to the Parts Matrix for the most up to date ordering procedure.**

<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
61 44 5A73E23	Combined Charging Unit (CCU)	1
12 90 9884545	Hexagon Bolt	4

### **Bulk Material**

<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
83 19 2 468 442	Ht-12 Coolant (1 gal concentrate)	Sublet as needed
Or:		
83 19 5 A32 851	HT-12 Antifreeze RTU (Bulk 1/10 Liter) (Pre-mix)	Sublet as needed

### **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.

## **CLAIM INFORMATION**

### **Vehicle Programming and Encoding**

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

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**After replacing the CCU, select one of these open Technical Campaigns to perform and submit for updating the vehicle to the required I-level or higher.**

**Please be sure to also perform any additional before and/or after work (including attaching labels) as required by the open campaigns on the vehicle. 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 Recall will be via normal claim entry utilizing the work package information below that applies with the part numbers listed above.

<b>Repair Code:</b>	<b>0061900700</b>	<b>Replace Combined Charging Unit (CCU)</b>
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**Completion before the first vehicle delivery to a customer or the vehicle is already in the workshop**

<b>Work Pkg</b>	<b>Labor Operation</b>	<b>Description (Plus work)</b>	<b>Labor Allowance</b>
# 1	00 74 842	Replacing the Combined Charging Unit (CCU), program and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 556/61 21 528)</b>	37 FRU
Or:			
# 2	00 74 843	Replace Combined Charging Unit (CCU) (Programming and encoding the vehicle control units was performed in conjunction with <b>another campaign/repair during this workshop visit</b> )	29 FRU

Or:

**The vehicle arrives at your center and this Recall shows open (No other Main work will be performed or claimed during this workshop visit)**

<b>Work Pkg</b>	<b>Labor Operation</b>	<b>Description (Main work)</b>	<b>Labor Allowance</b>
# 3	00 74 201	Replacing the Combined Charging Unit (CCU), program and encode the vehicle control units, includes Carrying out vehicle test <b>(00 00 556/61 21 528)</b>	39 FRU
Or:			
# 4	00 74 202	Replace Combined Charging Unit (CCU) (Programming and encoding the vehicle control units was performed in conjunction with <b>another campaign/repair during this workshop visit</b> )	30 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 17 23 WP 1), unless otherwise required by State law.

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

<b>Sublet Code 4</b>	Up to \$25.00	Reimbursement for the repair-related bulk material (Do not use the BMW part number for claim submission)
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Sublet reimbursement calculation for claiming the applicable repair-related bulk material (BMW part numbers) is at the dealer net price amount for the proportional quantity used plus your center's handling.

BMW Antifreeze/Coolant: Claim the corresponding sublet dollar amount for the quantity needed to replace what was drained. The one gallon concentrate part number at a quantity for a 50/50 coolant concentrate/water solution.

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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.

### **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.

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

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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

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## FEEDBACK REGARDING THIS BULLETIN

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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 B611723 23V-449-CCU-FAQ-\(22Jun2023\).pdf](#)

[picture\\_as\\_pdf B611723 Recall Notice.pdf](#)



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**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.

**Safety Recall**  
**23V-449**  
**Combined Charging Unit**  
**Model Year 2022-2023**  
**BMW i4, i7, iX**  
**Issue Date: 06/22/2023**

- Q1. Which BMW Group models in the US are potentially affected by this Safety Recall?**  
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- Q5. How did BMW Group become aware of the issue?**  
BMW Group became aware of the issue through its quality control procedures.
- Q6. How will I be informed of this Safety Recall?**  
Owners of potentially affected vehicles will be notified via First Class mail and requested to schedule an appointment with an authorized BMW center to have the remedy performed.
- To ensure BMW has the most up-to-date contact and vehicle information, owners should register their vehicle at [www.bmwusa.com/myBMW](http://www.bmwusa.com/myBMW). Registration is free and will give them access to other information specific for their BMW vehicle. Alternatively, owners can visit [bmwusa.com/recall](http://bmwusa.com/recall) and click on “**Manage recall notices and contact information**”.
- Q7. How will my vehicle be remedied?**  
Potentially affected vehicles will have the Combined Charging Unit (CCU) replaced for free which should take several hours.
- Q8. Do I have to wait for BMW to contact me to have the remedy performed?**  
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