



SIB 61 13 24

2024-04-15

DELIVERY STOP: COMBINED CHARGING UNIT (CCU) – I20

This Service Information Bulletin (Revision 1) replaces SI B61 13 24 **dated March 21, 2024.**

What's New:

- Model clarified
- Cause, Correction, Procedure, Parts, Claims sections added

<input type="checkbox"/>	THIS REPAIR IS MOBILE FRIENDLY
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MODEL

E-Series	Model Description	Production Date
i20	iX Sports Activity Vehicle- Battery Electric Vehicle (SAV, BEV)	October 20, 2022 – November 23, 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.

Please make sure you check your dealer inventory as soon as possible. As of March 22, 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 March 21, 2024) on certain Model Year 2023 - 2024 BMW vehicles that were produced between October 20, 2022, and November 23, 2023.

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

CAUSE

The Combined Charging Unit (CCU) may not have been produced according to BMW specifications. This can lead to an internal coolant leak which can result in a failure of the Combined Charging Unit.

Possible faults may include-

- HV 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 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 5A73E28	Combined Charging Unit (CCU)	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

Additionally, other materials and small parts that are not specified above, such as fluids, lubricants, one-time use screws, nuts, and seals, which must be replaced or installed (according to the ISTA repair instructions/ETK/AIR), are to be selected from the Electronic Parts Catalog, and/or other approved BMW resources according to the respective vehicle type. Invoiced these items separately under the Repair Code listed in this bulletin.

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.

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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 when applicable (Includes labor operation codes 00 00 006/556, 61 21 528 and 61 00 730).

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 Action will be via normal claim entry utilizing the work package information below and the part numbers listed above.

Repair Code:	0061470800	I20 Replace Combined Charging Unit (CCU)
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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.

Work Pkg	Labor Operation	Description (Plus work)	Labor Allowance
# 1	00 75 983	Replacing the Combined Charging Unit (CCU), program and encode the vehicle control units, includes Carrying out vehicle test (00 00 556/61 21 528)	37 FRU
Or:			
# 2	00 75 984	Replace Combined Charging Unit (CCU) (Programming and encoding the vehicle control units was performed in conjunction with another campaign/repair during the same workshop visit)	29 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
# 3	00 75 379	Replacing the Combined Charging Unit (CCU), program and encode the vehicle control units, includes Carrying out vehicle test (00 00 556/61 21 528)	39 FRU
Or:			
# 4	00 75 380	Replace Combined Charging Unit (CCU) (Programming and encoding the vehicle control units was performed in conjunction with another campaign/repair during the same workshop visit)	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

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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 13 24 WP 1), unless otherwise required by State law.

Sublet – Bulk Supply Material (RO and Claim Comments Required)

Sublet Code 4	Reimbursement for the repair-related bulk supply material (Do not use the BMW part number for claim submission)	Up to \$100.00
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Sublet reimbursement calculation for claiming the applicable repair-related bulk supply material (BMW part number) is at the dealer net price amount for the full and/or 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.

Vehicle 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 Repair Code in this bulletin together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

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 applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

(*) 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 Action’s repair qualifies for Alternative Mobility Solution (AMS) expense reimbursement, claim this item under the Repair 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 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

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Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department
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