



SIM 61 02 24

2024-06-20

RECALL 24V-302 : CHECKING THE HIGH-VOLTAGE BATTERY

This Service Information Bulletin (Revision 1) replaces SI M61 02 24 **dated April 2024**.

What's New

- Full recall # added to SIB title
- Cause, Correction, Procedure, Parts information, Claim information sections added
- New Attachment added

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

E-Series	Model Description	Production Date
F56	MINI Hardtop 2 Door	June 12, 2020 – November 30, 2022

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 April 24, 2024, you can see a list of affected vehicles in Inventory Campaign Details (ICD) under ROSS.

CAUSE

The high-voltage battery housing may not have been produced by the supplier to specifications.

CORRECTION

Inspecting the High Voltage Battery.

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. 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 ST153)
Therefore, to perform this SIB 61 02 24 an F56 BEV battery Certification is required from Technical Training Course “ST153 F56 MINI BEV Complete Vehicle).**

1. Perform a Vehicle Test using ISTA.
2. If any isolation faults are present in HV system, perform applicable isolation test plans.
 - If isolation test plan pinpoints fault to outside of HV battery continue diagnosis according to test plan.
 - If isolation test plan pinpoints fault to inside of HV battery, continue with discharging the HV battery, (step 3 below).
3. Discharge the HV battery to an SOC of less than 30% using the service function, available with ISTA version 4.47.40 (6/7/2024) or higher.
 - Service Functions>Drive>High Voltage Battery Unit>Discharge the High Voltage Battery Unit up to a Defined State of Charge
4. De-energize the HV system so that it is voltage free, see repair instructions 6125900.
5. Access HV battery. (Follow Repair instructions “6125010 Removing HV battery” for reference).
 - Remove front brace to access HV battery connections.
 - Remove left rear under body panel.
 - Remove the equipotential bonding line to access HV battery vent.

NOTE: The equipotential bonding line must remain disconnected while performing the next steps. Also make sure no 12 V battery charger is connected to the vehicle and the ignition is off.

6. Carry out Service Function “Preliminary Check SE14” on the HV battery (HV battery remains in vehicle).
 - Service Functions>Drive>HV Battery Unit>Commissioning of HV battery unit with EOS>Preliminary check SE14
 - Connect IMIB HV (5 A94 550) using test cable 5 A0D C16 and test bell 5 A0D C39.
 - Start Pre-Check SE14 test in ISTA.
7. If the service function “Pre-Check SE14” passes
 - The repair is complete, and vehicle can be reassembled.
 - Clear fault memory and returned to customer.

8. If the service function “Pre-Check SE14” Fails, continue with step 9 below.

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9. Create a TSARA TC HV case with the Title; "TA F56 BEV High-Voltage Battery".

- Include the reason the Pre-Check SE14 fails.

10. Park the Vehicle outside of the workshop, observing the repair instructions, REH-HIN-P-6125-30 section 3 (Assessment of a damaged vehicle).

YOU WILL RECEIVE SPECIFIC INSTRUCTIONS ON HOW TO PROCEED IN THE TSARA CASE.

PARTS INFORMATION

Only use and invoice the applicable part numbers as follows.

See the Part List Attachment.

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 recalled High Voltage (HV) battery modules directly to the WPRC. You must use the HV battery recall return process.

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

- **Bulletin #: M-2-0522-M0603 HV Battery Recall Return Process.pdf**

For more information refer to CenterNet: "Menu>BMW>Aftersales>Business Development & Marketing Portal>Batteries>Bulletins".

CLAIM INFORMATION

Reimbursement for this Recall's specific instructed repair procedure will be via normal claim entry utilizing the applicable work package (1 or 2), and the extended package information below (job/repair additional work time FRU allowances) that apply, and the part numbers in the attachment that were required to perform the repair.

Plusposition work	Vehicle is already in the workshop for another repair
Main work	The vehicle arrives at your dealer and this Recall Campaign shows open (No other Main work will be performed/claimed during this workshop visit) (Excluding work time labor operation code 00 76 073)

Only one Main work flat rate labor operation code can be claimed per workshop visit.

Repair Code:	0061520800	F56 BEV Check high-voltage battery
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Seven (7) Cell Module Configuration (5 Dual/2 Single)

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

Work Pkg (WP)	Labor Operation	Description	Labor
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# 1	00 76 588	Checking the high-voltage battery (EoS test in the vehicle)	10 FRU
Or:			
# 2	00 76 072	Checking the high-voltage battery (EoS test in the vehicle)	11 FRU

And when required and as instructed:

Note: Claim labor operation code “00 76 073” below only one (1) time for the “total FRU work time amount” that applies.

Please do not use and claim labor operation code “00 76 589” that is also listed in AIR for this repair.

Ext Work Pkg	Labor Operation	Description	Labor Allowance
B	00 76 073	Removing and installing high-voltage battery unit (44 FRU), remove and replace the cover for the high-voltage battery unit for reinstall (16 FRU) (including draining and topping up coolant circuit, 00 00 556, 61 21 528) (with 00 76 588 or 00 76 072)	60 FRU WT

And:

Replacing One to Six Cell Modules (Item C: FRU WT Allowance Calculation)

#	Cell Module Type	Cell Module (CM) Position	Replaced	No	Carryover FRU	Total Labor Allowance to “Item C”
1	Dual-Cell Module	Grouped Rear (CM 1 and 2)	8 FRU	N/A	Yes>	
2	Dual-Cell Module	Grouped Rear (CM 3 and 4)	9 FRU	N/A	Yes>	
3	Dual-Cell Module	Middle Front Dual (CM 5 and 6)	4 FRU	N/A	Yes>	
4	Single-Cell Module	Middle Front Single (CM 7)	7 FRU	N/A	Yes>	
5	Single-Cell Module	Middle Rear Single (CM 8)	7 FRU	N/A	Yes>	
6	Dual-Cell Module	Grouped Rear (CM 9 and 10)	9 FRU	N/A	Yes>	
7	Dual-Cell Module	Grouped Rear (CM 11 and 12)	8 FRU	N/A	Yes>	

And, as determined from the above:

Ext Work Pkg	Labor Operation	Description	Labor Allowance
C	00 76 073	Job/repair work time (WT): Replacing one (1) to six (6) cell modules (Total from the above) (Includes 61 27 700 Charging cell module)	4 FRU WT to 48 FRU WT

Or:

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Replacing all Seven (7) Cell Modules or the Replacing the HV Battery Lower Housing Section with up to One (1) to Seven (7) Cell modules

Ext Work Pkg	Labor Operation	Description	Labor Allowance
D	00 76 073	Job/repair work time (WT): Replacing all seven (7) cell modules, or the replacing lower housing section with up to one (1) to seven (7) cell modules (Includes 61 27 700 Charging cell module)	50 FRU WT

And:

Ext Work Pkg	Labor Operation	Description	Labor Allowance
E (As needed)	00 76 073	Additional miscellaneous high-voltage system-related work as needed to complete this repair (either with item C or D)	Up to 6 FRU WT
And:			
F	00 76 073	Additional work with pressure test cooling system high-voltage battery unit (Coolant drained)	4 FRU WT
And:			
G	00 76 073	Performing EoS test for high-voltage battery unit (Associated work, after having repaired the high-voltage battery unit)	3 FRU WT

Note: Special labor operation code 00 76 073 is not considered a Main labor operation.

Claim Repair Comments

Reference the SIB number and the work package (Pkg) number and extended WP procedures performed in the technician's RO notes and in the claim comments (For example: M61 02 24 WP 1, B, D, F, G), unless otherwise required by State law.

When "Item F" applies: Explain the scope of this additional work that was required and performed.

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

Sublet Code 4	Reimbursement for the repair-related bulk supply materials (Do not use the MINI part numbers for claim submission)	Up to \$170.00
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Sublet reimbursement calculation for claiming the applicable repair-related bulk supply materials (MINI part numbers) is at the dealer net price amount for the full and/or proportional quantities, as applicable, used plus your dealer's handling.

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

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 qualifies for Alternative Mobility Solution (AMS) expense reimbursement, claim this item under the Defect Code noted above as follows:

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Please refer to [SI M01 01 17](#) 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 M610224 24V-302-F56 High Voltage Battery-FAQ-\(20June2024\).pdf](#)

[picture_as_pdf M610224 Recall Notice 6_2024.pdf](#)

[picture_as_pdf M610224 F56 BEV PARTS 6_2024.pdf](#)

SAFETY RECALL NOTICE

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

RE: Recall 24V-302: High Voltage Battery – M61 02 24

BMW AG is conducting a Voluntary Safety Recall (effective April 23, 2024) on certain Model Year 2021 and 2023 MINI vehicles that were produced between June 12, 2020 and November 30, 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.

Parts list containing the parts required each time HV Battery is removed:

Part Number	Description	Quantity
07 14 6 954 965	External Torx with lock washer	18
07 11 9 904 956	Hexagon bolt	4

Parts that may be required for replacement depending on the instructions:

Part Number	Description	Quantity
61 27 8 741 655	Upper section of housing	1
71 22 9 489 095	Type plate of high-voltage battery	1
61 27 7 625 086	High-voltage battery warning sticker	1
12 37 7 626 091	Warning sign for HV battery, small	1
83 19 2 289 181	Window glass adhesive, cold, 1 hour	1
61 27 8 740 544	Lower housing section	1
61 27 9 884 311	Absorber mats	1
61 27 9 487 213	Retaining plate	1
61 27 8 608 564	Venting unit	1
07 11 9 906 043	Hexagon bolt	4
61 27 8 679 679	High-voltage connector housing	1
12 52 7 630 408	High-voltage interlock bridge	1
61 13 9 361 679	Holder	1
07 12 9 904 975	Torx socket	8
07 11 9 906 106	Screw, flat head	1
71 22 8 878 533	High-voltage battery warning sticker	1
61 27 9 494 168	Dual-cell module for high-voltage battery	5
61 27 9 494 172	Cell module, high-voltage battery	2
61 27 9 487 747	Cooling line	1
61 27 9 487 748	Cooling line	1
61 27 9 487 749	Cooling line	1
61 27 9 487 750	Connector	1
61 27 9 487 751	Connector	1
61 27 9 487 752	Connector	1
61 27 9 487 753	Connector	1
61 27 9 487 754	Connector	1
61 27 9 487 755	Connector	1
61 27 9 487 756	Connecting flange	2
07 14 7 568 538	Clip	12
61 27 9 452 412	Battery management electronics	1
61 27 9 489 897	Cell supervision circuit	12
61 27 9 485 057	Support	1
61 27 9 485 058	Support	1
61 27 9 485 063	Holder	2
07 11 9 905 710	Hexagon nut	3
07 11 9 909 322	Self-locking hexagon nut	19
61 27 9 455 518	Safety box	1

61 27 9 452 219	High-voltage battery wire	1
61 27 9 485 358	Module connector	1
61 27 9 485 357	Module connector	1
61 27 9 485 356	Module connector	1
61 27 9 485 052	Cable duct	1
61 27 9 485 053	Cable duct	1
61 27 9 454 488	Communication wiring harness	1
61 27 9 452 222	Cell supervision circuit wiring harness	1
12 52 7 623 351	Connector housing	1
61 13 6 964 200	Cable clip	14

Safety Recall
24V-302
High Voltage Battery
MINI Cooper SE
Issue Date: 04/23/2024

Q1. Which BMW Group models in the US are potentially affected by this Safety Recall?

Certain Model Year 2021 and 2023 MINI Cooper SE models in the US are potentially affected.

Q2. What is the specific issue?

The high-voltage battery housing may not have been produced by the supplier to specifications. This could increase the risk of a thermal event.

Q3. Why are other models / vehicles not included in this Safety Recall?

Other models have a high-voltage battery that was produced by the supplier to specifications.

Q4. Can I continue to drive my vehicle?

Yes. However, when you are notified by MINI of this Safety Recall that a remedy is available, please contact an authorized MINI center to schedule an appointment as soon as possible. For the latest updates to this Safety Recall, please visit miniusa.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 advising them of this Safety Recall and to schedule an appointment with an authorized MINI center as soon as possible to have the remedy performed. For the latest updates to this Safety Recall, please visit miniusa.com/recall.

Q7. How will my vehicle be remedied?

The High voltage battery will be inspected and if damage is found, the high voltage battery will be repaired.

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 to ensure that the necessary parts, tools, and procedures are available. For the latest updates to this recall, please visit miniusa.com/recall.