



SIM 01 05 24

2024-11-27

F60 PHEV HV BATTERY CELL MODULE TEMPERATURE SENSORS
EXT LTD WTY (ELW) 10/120

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THIS REPAIR IS MOBILE FRIENDLY

MODEL

E-Series	Model Year	Model Description	Production Dates	Engine
F60	2018 to 2019	Cooper SE Countryman	March 09, 2017 to November 12, 2018	XB2H

Note: The Model listing above is for informational purposes only, it is not the only deciding factor.

Eligible Vehicles

To assist you in identifying those vehicles that have this component and repair-specific extended limited warranty (ELW) coverage, the following Vehicle Comment will show in the VIN-specific Warranty Vehicle Inquiry (WVI).

SI M01 05 24 (RC 61 27 90 07 00): For this vehicle, the High-Voltage (HV) Battery Assembly Cell Modules Temperature Sensors (Internal NTC repair kit-specific) limited warranty for defects in materials or workmanship has been extended to 10 years / 120,000 miles as determined from the original in-service/first delivery date. The original existing coverage that applies to the other HV battery assemblys components has not changed. This coverage is subject to the same vehicle eligibility requirements, limitations, and exclusion criteria that apply to the MINI New Vehicle Limited Warranty.

Note: Before performing a repair and submitting a claim, first confirm that the vehicle has the above Notice of Extended Limited Warranty coverage in the WVI “Vehicle Comments” section.

If you have ELW eligibility and/or coverage questions, please contact the Warranty department through IDS by selecting Coverage, Policy, Coding Questions and Mileage Corrections prior to performing any repair.

SITUATION

Component and Repair-Specific Extended Limited Warranty (ELW)

	For the eligible vehicles, MINI USA, a division of BMW of North America, LLC (MINI USA) is extending the limited warranty for the vehicle’s the High-Voltage (HV) Battery Assembly Cell Module Temperature Sensors (Internal NTC Repair kit) to: 10 years/120,000 miles as determined by the vehicle’s original in-service/first delivery date. This component and repair-specific limited warranty extension (ELW) applies to defects in materials or workmanship.
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This coverage applies to the specific vehicle (VIN), the remaining portion of the ELW is transferrable to each subsequent owner, and is subject to the same vehicle eligibility requirements, limitations, and exclusion criteria that applies to the MINI New Passenger Car Limited Warranty.

The original existing coverage that applies to the other HV battery assembly’s components has not changed.

Note: This bulletin is notice of a limited warranty extension. This is NOT a notice of a Recall or Service Action.

There is no immediate repair required unless the MINI vehicle is currently experiencing this problem.

Customer Notification Letter

Even though this is NOT a Recall, MINI USA is sending VIN-specific customer notification letters.

CAUSE

The measured value for an individual temperature sensor inside each of the HV battery cell modules is plausibility checked against all the other HV battery cell modules' temperature sensors.

Over time, the temperature sensors may fail, this can cause the measured values of one or more of the temperature sensors to deviate from specification. The vehicle's monitoring system may interpret these deviating temperature sensor values as either implausible or impermissible.

Should this occur, the corresponding Check Control Messages (CCM) will be generated and displayed, the vehicle's monitoring system may also store the corresponding fault codes, and the Malfunction Indicator Lamp (MIL) may illuminate.

CORRECTION

Follow the instructions in the PROCEDURE section.

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 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.”**



If there are failed cell module temperature sensors, the test plan will instruct you to replace the applicable HV cell module's internal temperature sensors (NTC) repair kit(s).

The repair instructions are provided during the test plan, and they are available separately in the repair instruction section of ISTA.

Important Note: Any other issues with the HV battery assembly and/or the cell modules themselves are not included in this HV battery cell module temperature sensor specific 10/120 ELW coverage.

When applicable, invoice these other items separately on the repair order, and then review to determine if other coverage is still active, available, and if it applies.

PARTS INFORMATION

Only order the required replacement parts in the quantities that are needed to address customers vehicles with confirmed failures.

To determine that a part number applies to the specific vehicle being repaired, enter the VIN/chassis number into either ETK or AIR, this will consider the specific equipment and/or options that are fitted to the vehicle.

Part Number	Description	Quantity
07 11 9908596	Screw (M12x1.5x48)	4
61 27 8606057	Torx screw (M6 GFX85-10.9-S)	16
61 27 8606058	Threaded head Torx screw (M6 GFX85-10.9-S)	4
07 12 9908570	ISA screw (V-M6 GFX16)	16
61 27 8677638	Hexagon bolt with Torx socket (M6x25 mm)	4
07 11 9909322	Self-locking hexagon nut (M6-8-ZNNIV SI)	2
61 27 7645627	Seal for high-voltage battery	1
61 27 8645446	Hexagon screw with internal Torx – (1 rounds to 10 pcs)	28
64 53 9284018	Gasket ring (d=11mm)	4
64 53 9284850	Gasket ring (d=15mm)	1
61 27 8849422	NTC repair kit (Internal)	Up to 5

Sublet – Bulk Supply Materials (Refer to M64 02 16)

Part Number	Description (MY and Model-Specific)	Quantity
83 19 2 446 563	BMW Group R-1234YF - (10lb / 160oz) (DN = 1oz)	Sublet as needed
83 22 2 339 920	Refrigerant oil Sanden SP-A2 (DN = 250ml)	Sublet as needed

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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, must be selected from the Electronic Parts Catalogue, or other approved BMW group resources, according to the respective vehicle type. Invoiced these items separately under the Repair Code below.

CLAIM INFORMATION

For eligible US-specification MINI vehicles that are registered and operated in the United States (including Puerto Rico), this component and repair-specific 10 years (120 months)/120,000-mile extended limited warranty coverage for defects in materials and/or workmanship applies to qualifying repairs performed by authorized MINI dealers.

The original existing limited warranty coverage for the whole vehicle and other components, including the other HV battery assembly’s components, has not changed.

This coverage applies to the specific vehicle (VIN), the remaining portion of the ELW is transferrable to each subsequent owner, and is subject to the same vehicle eligibility requirements, limitations, and exclusion criteria that applies to the MINI New Passenger Car Limited Warranty.

The replaced HV battery cell modules’ temperature sensors are then covered by the remaining portion of the this extended limited warranty coverage.

The HV cell modules’ temperature sensors are then covered by the remaining portion of the extended limited warranty coverage period that applies.

Non-Qualifying Repairs

Repairs performed on ineligible vehicles, eligible vehicles operated and repaired outside the United States and Puerto Rico, the diagnosis and repair of issues and items that are outside the intended scope of this extended coverage, other unrelated issues, and/or that are due to outside influences are not covered by this extended limited warranty. This exclusion also applies to repairs that were performed using (including those repairs that result from using) non-genuine MINI parts and/or used passenger car or light truck parts.

Qualifying Repairs – Claim Submission

Repair Code:	6127900700	F60 PHEV High-voltage battery cell module temperature sensor
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Obtain the flat rate unit (FRU) allowances for the following that applies.

Vehicle Test

Labor Operation	Description	Labor Allowance
00 00 006	Carrying out vehicle test (Main work)	As applicable
Or:		
00 00 556	Carrying out vehicle test (Plus work)	As applicable
And:		
61 21 528	Supporting voltage of the vehicle electrical system / recharging vehicle battery	As applicable

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006, or exclude them (including 61 21 528) when the Vehicle Test is included in another repair.

And as needed:

Diagnosis (that applies to your dealer)

Labor Operation	Description	Labor Allowance
61 00 006*	Carrying out vehicle diagnosis, ABL (Work time)	WT FRU
Or		
00 58 500*	Diagnosis Worktime Flat Rate (See below)	2 FRU

Work time labor operation codes 61 00 006 and 00 58 500 are not considered Main labor operations.

And, based on the diagnosis results, repair the vehicle as required:

High-Voltage Battery Assembly Cell Modules - Temperature Sensor (NTC) Repair

For the additional claim submission information, refer to the attachment:

- M010524_AT_2 Claim Information Worksheet (F60)

Repair of Temperature Sensor on a Cell Module

After the applicable HV battery assembly's cell modules have been removed (one or more), the follow flat rate labor operation code applies, and is claimed one or more times for each cell module that had the temperature sensor (NTC) repair kit installed.

Labor Operation	Description	Labor Allowance
61 27 910	Repair of temperature sensor on a cell module (1)	As applicable

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)	See the sublet reimbursement calculations below
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Sublet reimbursement calculation for claiming the applicable repair-related bulk supply materials (MINI part numbers) is at the dealer net (DN) price for the full or proportional quantity 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.

(*) Based on which one applies to your dealer, please refer to **SI M01 01 20** or **M01 04 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 dealer performed, unless otherwise required by State law.

BMW Group's AIR Application Resource for Flat Rate Labor Operation Codes

To obtain the corresponding flat rate unit (FRU) allowance information from the BMW Group AIR application resource, start by entering the Chassis Number (last seven (7) characters of the VIN), and click on the "Search" icon. If the "Vehicle Selection" window displays two or more model possible vehicle choices, select the applicable Model, or enter the full VIN (17 characters) instead to proceed. Click on the "Flat Rate Units" button and enter a flat rate labor operation code number "without spaces" in the field to the right, click on the "Search" icon to display the corresponding listing of "Flat rate unit group details" that are available and their corresponding FRU allowances.

Previous Customer-Pay Repairs – Limited Warranty Extension Reimbursement

MINI USA, a division of BMW of North America, LLC (MINI USA) will reimburse certain costs for qualifying customer-pay repairs that were performed on an eligible vehicle **prior** to the release of this component and repair-specific limited warranty extension.

A qualifying customer pay repair must primarily address this Service Information Bulletin's identified vehicle issue. Also, the repair must have been correctly, adequately, and completely performed as required by the applicable BMW Group approved repair procedure, process, and policy instructions.

Customer-pay repairs are subject to the same vehicle eligibility requirements, limitations, and exclusion criteria that applies to the MINI New Passenger Car Limited Warranty.

Repairs that Do Not Qualify for Reimbursement

Repairs performed on ineligible vehicles, eligible vehicles operated and repaired outside the United States and Puerto Rico, or the diagnosis and repair of issues that are outside the intended scope of this extended coverage (including other HV battery assembly repairs), other unrelated issues, and/or that are due to outside influences are not covered by this limited warranty extension. This exclusion also applies to repairs that were performed using (including those repairs that result from using) non-genuine MINI parts and/or used MINI passenger car parts.

Requesting Reimbursement for a Previous Repair that Qualifies

For a customer to request reimbursement for a qualifying customer-pay repair performed either by an authorized MINI dealer or independent repair shop located in the United States (including Puerto Rico), please have him/her submit his/her reimbursement request online at www.MINI-RP.com under the following reference:

- MINI ELW HVB CM Temperature Sensors 10Y/120M

Reimbursement Request Procedure

The online process is initiated by attaching/sending PDF files of the supporting documentation for the prior repair.

The letter also includes alternative methods to request reimbursement, either through the mail or by fax as described below:

MINI Customer Reimbursement Center
Attention: MINI ELW HVB CM Temperature Sensors 10Y/120M
P.O. Box 54067
Hurst, Texas 76054

Fax number: 877-434-2992

Please allow 4-6 weeks for processing your request.

Should you have any questions concerning this reimbursement process, please call 1-844-857-0341.

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

