



SIB 01 09 24

2024-11-27

F15 I12 PHEV HV BATTERY CELL MODULE TEMPERATURE SENSORS  
EXT LTD WTY (ELW) 10/120

THIS REPAIR IS MOBILE FRIENDLY

**MODEL**

E-Series	Model Year	Model Description	Production Dates	Engine
F15	2016 to 2018	X5 xDrive40e PHEV	July 06, 2015 to June 30, 2018	N20
I12	2014 to 2017	i8 Coupe PHEV	April 16, 2014 to October 19, 2017	B38T

**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).

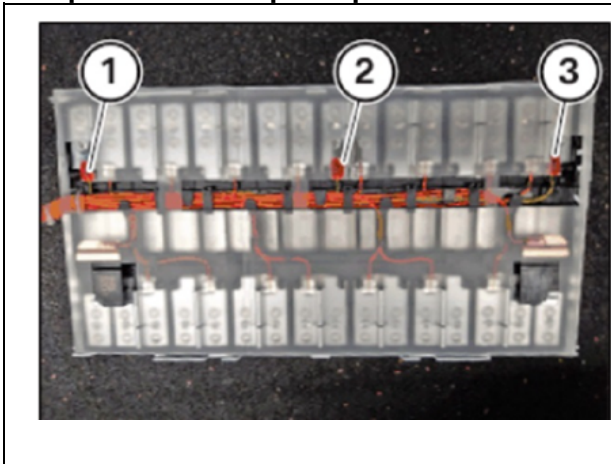
**SI B01 09 24 (RC 61 27 90 07 00):** For this vehicle, the **High-Voltage (HV) Battery Assemblys Cell Modules Temperature Sensors (Internal NTC repair kit-specific) limited warranty for defects in materials or workmanship has been extended to 10 years / 120,000 miles as determined from the original in-service/first delivery date. The original existing coverage that applies to the other HV battery assembly components has not changed. This coverage is subject to the same vehicle eligibility requirements, limitations, and exclusion criteria that apply to the BMW 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, BMW of North America, LLC (BMW NA) is extending the limited warranty for the vehicle's **the High-Voltage (HV) Battery Assembly's Cell Module Temperature Sensors (Internal NTC repair kit) (F15 Shown)** to:

- **10 years/120,000 miles as determined by the vehicle's original in-service/first delivery.**

This component and repair-specific limited warranty extension (ELW) applies to defects in materials or workmanship.

**The original existing coverage that applies to 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 it is subject to the same vehicle eligibility requirements, limitations, and exclusion criteria that applies to the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

**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 BMW vehicle is currently experiencing this problem.

### Customer Notification Letter

Even though this is NOT a Recall, BMW NA 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

If a vehicle listed above arrives at your center with the issues described in this Service Information Bulletin, perform the corresponding diagnosis.



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), one repair kit per cell module.

The NTC repair kit repair / installation 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.

### **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**

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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 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.”

### PARTS INFORMATION

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

To determine the part number that 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.

#### **F15 (X5 xDrive40e PHEV)**

Part Number	Description	Quantity
07 11 9 909 322	Self-locking hex nut	6
07 12 9 908 570	ISA screw	4
61 27 8 614 090	Seal, high-voltage battery unit	1
61 27 8 614 091	Seal of service cap for high-voltage battery	1
07 12 9 908 570	ISA screw (V-M6GFX16)	9
61 27 7 643 663	Hexagon bolt with inside Torx (M6x25mm)	28
64 53 9 284 018	Sealing ring	4
64 53 9 284 850	Sealing ring	1
61 27 8 849 422	NTC repair kit (Internal)	Up to 6

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

## I12 (i8 PHEV)

Part Number	Description	Quantity
07 11 9 905 949	Self-locking hexagon nut	4
07 12 9 908 570	ISA screw	11
61 25 8 613 708	Torx screw with washer	8
61 27 7 643 663	Hexagon screw with internal Torx	37
61 27 8 606 056	Torx screw	24
61 27 8 610 481	Seal for high-voltage battery	1
61 27 8 610 482	Seal of service cap for high-voltage battery	1
64 50 8 374 959	Sealing ring	5
64 53 8 375 742	Sealing ring	1
61 27 8 852 868	NTC repair kit (Internal)	Up to 6

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 resources, according to the respective vehicle type. Invoiced these items separately under the Repair Code below.

## Sublet - Bulk Supply Material (Refer to SI B64 03 16)

Part Number	Description (MY and Model-Specific)	Quantity
83 19 2 221 349	R134a (Gas DN = 1 oz units)	As needed
82 11 1 468 042	Comp oil (250ml)	As needed
Or:		
83 19 2 287 039	R1234YF (Gas DN = 1 oz units)	As needed
83 22 2 339 920	Refrigerant oil Sanden SP-A2 (250ml)	As needed

## CLAIM INFORMATION

For eligible US-specification BMW 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 BMW centers.

**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 it is subject to the same vehicle eligibility requirements, limitations, and exclusion criteria that applies to the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

This coverage supersedes the coverage that is provided under the BMW Certified Pre-Owned Program or any BMW Group Vehicle Service Contract that applies to the vehicle.

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

## Non-Qualifying Repairs

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

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performed using (including those repairs that result from using) non-genuine BMW parts and/or used BMW passenger car or light truck parts.

### Repairs that Qualify – Claim Submission

<b>Repair Code:</b>	<b>6127900700</b>	<b>F15 I12 PHEV High-voltage battery cell module temperature sensor</b>
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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 center)

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 below that applies:

- B010924\_AT\_2 Claim Information Worksheet (F15)
- B010924\_AT\_3 Claim Information Worksheet (I12)

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

<b>Sublet Code 4</b>	Reimbursement for the repair-related bulk supply materials (Do not use the BMW 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 (BMW 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 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.

**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**

BMW of North America, LLC (BMW NA) 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 BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

**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 BMW parts and/or used BMW passenger car or light truck 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 BMW center or independent repair shop located in the United States (including Puerto Rico), please have him/her submit his/her reimbursement request online at [www.BMW-RP.com](http://www.BMW-RP.com) under the following reference:

- BMW ELW HVB CM Temperature Sensor 10Y/120M

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:

BMW Customer Reimbursement Center  
 Attention: BMW ELW HVB CM Temperature Sensor 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

