



SIB 01 04 25

G0X/GX0 PHEV HV BATTERY EXPANSION VALVES EXT LTD WTY (ELW)
15 YRS/150,000 MILES

2025-05-19

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THIS REPAIR IS MOBILE FRIENDLY

MODEL

E-Series	Model Year	Model Description	Production Dates	Engine
G05	2024	X5 xDrive50e	March 29, 2023 to January 05, 2024	XB1N
G09	2023 to 2024	XM	January 11, 2023 to January 19, 2024	XB1T
G09	2024	BMW XM Label	September 22, 2023 to January 18, 2024	XB1T
G20	2023 to 2024	330e Sedan	October 10, 2022 to January 31, 2024	XB1G
G20	2023 to 2024	330e xDrive Sedan	October 10, 2022 to December 15, 2023	XB1G
G30	2023	530e Sedan	September 01, 2022 to June 22, 2023	XB1G
G30	2023	530e xDrive Sedan	September 02, 2022 to July 01, 2023	XB1G
G70	2024	750e xDrive Sedan	June 30, 2023 to December 12, 2023	XB1N

Note: The PHEV 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-specific extended limited warranty (ELW) coverage, the following Vehicle Comment will show in the VIN-specific Warranty Vehicle Inquiry (WVI).

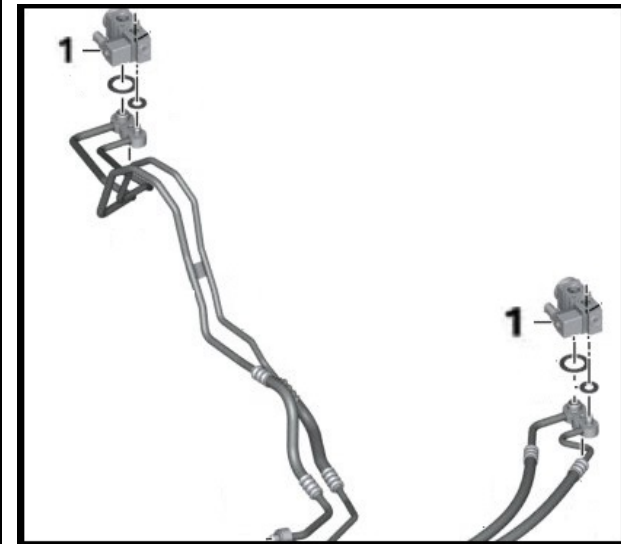
SI B01 04 25 (RC 64 50 90 03 00): For this BMW PHEV model, the high-voltage battery assemblys refrigerant circuit expansion valves limited warranty for defects in materials and / or workmanship has been extended to 15 years / 150,000 miles as determined from the original first in-service / delivery date. This coverage is subject to the same vehicle eligibility requirements, limitations, and exclusion criteria that apply to the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

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-Specific Extended Limited Warranty (ELW)



For the eligible vehicle models, BMW of North America, LLC (BMW NA) is extending the limited warranty coverage for the **high-voltage battery assembly's refrigerant circuit expansion valves** to:

- **15 years/150,000 miles as determined by the vehicle's original in-service date.**

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

This coverage applies to the specified vehicle, it is transferrable and is subject to the same vehicle 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 BMW PHEV's high-voltage battery assembly's refrigerant circuits expansion valves, one or both, may fail.

For example, if the high-voltage battery assembly's refrigerant circuit' expansion valve remains permanently "open," the cooling system's target temperature "set point" will remain at permanent cooling.

Should this occur, the expansion valve's operational malfunction will be detected by the vehicle's monitoring system, the Malfunction Indicator Lamp (MIL) will illuminate when the vehicle generates and stores a corresponding fault code, such as:

- 21F110 Valve stuck open.

CORRECTION

Follow the instructions in the PROCEDURE section.

PROCEDURE

When a vehicle arrives with the issue described in the CAUSE, perform the corresponding diagnosis and when applicable, replace the affected high-voltage battery refrigerant circuit's expansion valve as instructed, or as determined by the diagnosis.

Important Note

If the vehicle's refrigerant oil is black and/or contains visible chip particles, especially in conjunction with a failure of one or more other refrigerant circuit components, refer to the repair procedure to flush/rinse the refrigerant circuit (Repair instruction 64 50 770) along with replacing the applicable refrigerant circuit components.

An air condition system repair like the one stated in this "Important Note" above is beyond the scope of

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Important Warning for working on the High-Voltage Systems on BMW Group PHEVs

Only properly trained personnel, who have passed all applicable technical training courses, should perform any maintenance or repairs on any Hybrid or Electric Vehicle. Work performed by unqualified persons may result in the sever injury or damage to the vehicle. Additional information is found in Repair Instruction 61 00.. Observe safety instructions when handling electric vehicles.

PARTS INFORMATION

Only order these parts in the quantities needed to address customers' vehicles that have 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.

Part Number	Description	Quantity
Refer to ETK/AIR	Expansionsventil (Expansion valve, Left/Right)	1 or 2
Refer to ETK/AIR	Gasket ring (Large)	1 or 2
Refer to ETK/AIR	Gasket ring (Small)	1 or 2

Bulk Supply Materials - Sublet

Part Number	Description	Quantity
83 19 2446563	BMW Group R-1234YF - (10lb / 160oz) (DN = 1 ounce)	As needed
83 22 2 339 920	Refrigerant oil Sanden SP-A2 (DN = 250 ml)	As needed

Additionally, other related system components, materials, 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.

CLAIM INFORMATION

For eligible US-specification BMW vehicles that are registered and operated in the United States (including Puerto Rico), this component-specific 15 years (180 months)/150,000-mile extended limited warranty coverage for defects in materials and/or workmanship applies to qualifying repairs performed by authorized BMW centers.

This coverage applies to the specified vehicle, is transferrable, and 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.

The existing limited warranty coverage for the whole vehicle and other components has not changed.

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.

For the issue described in this bulletin, the replacement high-voltage battery refrigerant circuit's expansion valve is then covered by the remaining portion of the extended limited warranty coverage period.

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 those caused by other refrigerant circuit components, O-ring leakage, other unrelated issues, and/or that are caused by 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-

Qualifying Repairs – Claim Submission

Defect Code:	6450900300	G0x Gx0 PHEV high-voltage battery expansion valve
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Obtain the flat rate unit (FRU) allowances for the following that applies.

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
And, as needed:		
61 00 006*	Carrying out vehicle diagnosis, ABL and other required diagnosis (Work time)	WT FRU
Or:		
00 58 500*	Diagnosis Worktime Flat Rate	2 FRU
And:		
64 51 532**	Removing and installing/replacing the expansion valve for the high-voltage battery unit, right/passenger side (Associated work, after vehicle diagnosis) (without suctioning, evacuating, and filling)	As applicable
And/or:		
64 51 533**	Removing and installing/replacing expansion valve for high-voltage battery unit, left/driver side (Associated work, after vehicle diagnosis) (without suctioning, evacuating, and filling)	As applicable
And:		
64 50 510	Extract, evacuate and fill air conditioning system (Plusposition)	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 (including 61 21 528) when the Vehicle Test is included in another repair.

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

() Overlapping Labor Removal (AIR client's FRU Plausibility Check Tool)**

If it determined that both expansion valves have issues that qualify for the extended coverage, please work together with your center's Warranty Manager, Warranty Administrator, and/or Booker to identify if any overlapping labor is contained within the flat rate labor operation codes specified above. As determined by the AIR Client's FRU Plausibility Check Tool; calculate, claim, and submit for the reduced FRU allowances that apply.

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

Sublet Code 4	Reimbursement for the repair-related bulk supply materials (Do not use the BMW part numbers for claim Copyright ©2025 BMW of North America, Inc.	See the sublet reimbursement
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submission)

calculations below

Sublet reimbursement calculation for claiming the applicable repair-related bulk supply materials (BMW part numbers) is at the full or proportional dealer net (DN) price amount for the quantities 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.

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 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.

(*) 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.

Previous Customer-Pay Repairs – Extended Limited Warranty Reimbursement

BMW of North America, LLC (BMW NA) will provide reimbursement for qualifying customer-pay repairs that were performed on an eligible vehicle **prior** to the release of this component-specific extended limited warranty.

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 those caused by other refrigerant circuit components, O-ring leakage, other unrelated issues, and/or that are caused by 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 BMW parts and/or used BMW passenger car and 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 under the following reference:

- BMW ELW HVB Expansion Valve15Y150M

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:

BMW Customer Reimbursement Center
Attention: BMW ELW HVB Expansion Valve15Y150M
PO Box 51007

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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

