



SIB 61 09 24

2024-03-20

SERVICE ACTION: CHECKING AND, IF NECESSARY, REWORKING  
THE INVERTER SUPPLY LINE

THIS REPAIR IS MOBILE FRIENDLY

## MODEL

E-Series	Model Description	Production Date
G05 PHEV	X5 Sports Activity Vehicle	February 23, 2023 – May15, 2023

## SITUATION

The inverter or (EGS-EME) Electrical Machine Electronics Transmission Control supply line may be damaged due to improper routing. This can cause Check Control Message (CCM) warnings, or in some instances the vehicle may slowly coast to a stop during purely electric driving.

## 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. You can see a list of affected vehicles in Inventory Campaign Details (ICD) under ROSS.
- For centers that qualify, this Service Action repair is eligible to be performed via Mobile Assistance

## CAUSE

(EGS-EME) Electrical Machine Electronics Transmission Control supply line routing.

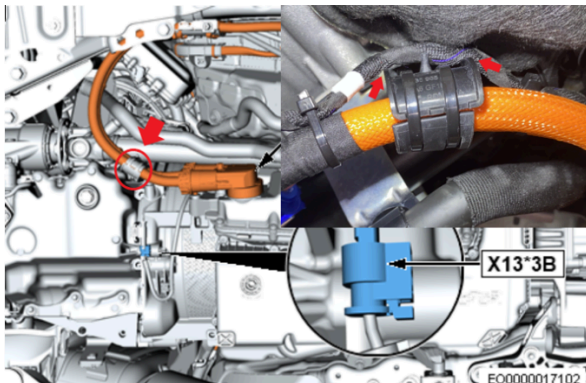
## CORRECTION

Visually check, and if necessary, rework the inverter supply line.

## PROCEDURE

1. Remove the rear underbody protection, refer to repair instructions “**Removing refitting/replacing rear engine undercover (4 FRU)51 47 491 | REP-REP-P-5147491-G05 - V.6**”.

2. Remove the stiffening plate, refer to repair instructions “**Removing and installing/replacing thrust field 31 11 040 | REP-REP-P-3111040-G05\_B58AWD - V.5**.”



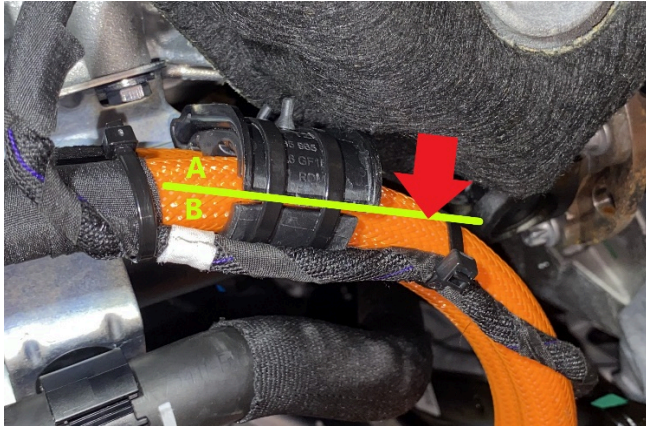
3. Improper routing and sharp edges of the High Voltage (HV) cable support bracket may damage the EGS-EME supply line harness.

4. Inspect the Inverter Supply line for damage. Is the EGS-EME harness damaged?

**YES**, proceed with step 5.  
**NO**, continue to step 7.

5. Repair any damage to the low voltage (LV) supply lines, per the “Notes on handling wiring harness and cables 61 00.. | REP-REP-RAF0161-6100\_KABELBAUM – V.26”.

6. After a wiring repair or inspection, cover the harness with fabric adhesive tape (abrasion-resistant) (e.g., P/N 61 13 6925452).



7. Ensure the harness is properly routed and secure.

8. Is the EGS-EME harness routed on the (B) side of the HV cable support bracket as depicted in the image on the left?

**YES**, continue to step 12.  
**NO**, proceed to step 9.

9. Remove the existing cable ties located around the HV cable bracket.

**CAUTION: high-voltage cable!** When opening and closing the cable straps, be sure to observe repair “Notes for opening and closing cable ties REH-HIN-P-6125-5 - V.10”.



10. Reposition the EGS-EME harness to the (B) side of the HV cable bracket, as pictured above.

11. Secure the EGS-EME harness utilizing new cable ties.

12. Install the stiffening plate, refer to repair instructions “Removing and installing/replacing thrust field 31 11 040 | REP-REP-P-3111040-G05\_B58AWD - V.5.”

13. Install the rear underbody protection, refer to repair instructions “Removing refitting/replacing rear engine undercover (4 FRU)51 47 491 | REP-REP-P-5147491-G05 - V.6”.

## PARTS INFORMATION

Use and invoice the applicable part numbers listed below.

Part Number	Description	Quantity
07 14 6 886 617	Multi-purpose bolt ASA	8

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61 13 8 353 747	Crimp connector (when required)	2
61 13 5 A4F 528	Shrink-fit sleeve (when required)	2
61 13 1 372 391	Cable tie (when required)	3

**NOTE: Fabric adhesive tape**, the required fabric adhesive tape is to be invoiced proportionally under Sublet Code 4.

## CLAIM INFORMATION

Reimbursement for this Service Action will be via normal claim entry utilizing the applicable work package information below, and when the required, the part numbers listed above that apply.

<b>Repair Code:</b>	<b>0061330800</b>	<b>G05 PHEV Checking and if necessary, reworking inverter supply line</b>
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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 (Plusposition work)	Labor Allowance
# 1	00 75 861	Checking the inverter supply line (No Repair is necessary)	As applicable
Or:			
# 2	00 75 862	Checking the inverter supply line, correcting the routing	As applicable
Or:			
# 3	00 75 863	Checking the inverter supply line, correcting the routing, and repairing the cable	As applicable

Or:

**The vehicle arrives at your center and this Service 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
# 4	00 75 274	Checking the inverter supply line (No Repair is necessary)	As applicable
Or:			
# 5	00 75 275	Checking the inverter supply line, correcting the routing	As applicable
Or:			
# 6	00 75 276	Checking the inverter supply line, correcting the routing, and repairing the cable	As applicable

Only one of the flat rate labor operation codes listed above can be used for claim submission and reimbursement. Also, only one Main work flat rate labor operation code can be claimed per workshop visit.

## Claim Repair Comments

Only reference the SIB number and the work package (Pkg) number performed in the RO technician notes and the claim comments (For example: B61 09 24 WP 1), unless otherwise required by State law.

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

<b>Sublet Code</b> <b>4</b>	Up to \$5.00	Reimbursement for the repair-related bulk materials (Do not use the BMW part numbers for claim submission) Copyright ©2024 BMW of North America, Inc.
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Sublet reimbursement calculation for claiming the applicable repair-related bulk materials (BMW part numbers) is at the dealer net price amount for the proportional 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 Chassis Number (the last seven (7) characters of the VIN, select the applicable Model if two or more vehicle choices show), or enter the full VIN (17 characters), click on the "Search" button. Next, click on the "Flat Rate Units" button and enter the flat rate labor operation code in the field to the right, click "Search" to display the Flat Rate Unit Group detail choices.

### **Alternative Mobility Solution (AMS) for Vehicle Owners (RO and Claim Comments Required)**

This Service Action repair qualifies for Alternative Mobility Solution (AMS) expense reimbursement, claim this item under the Defect 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 Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department

