

**SIB 12 02 25**

2025-05-08

**RECALL 25V-109 INSPECT STARTER MOTOR GENERATOR BATTERY
"+" CABLE CONNECTION**

This Service Information Bulletin (Revision 2) replaces SI B12 02 25 **dated March 2025**.

What's New:

- Safety Recall Number added
- SIB title updated
- Correction added
- Procedure added
- Parts Information added
- Claim Information added

<input type="checkbox"/>	THIS REPAIR IS MOBILE FRIENDLY
<input type="checkbox"/>	THIS REPAIR IS REMOTE SOFTWARE UPGRADE (RSU) FRIENDLY

MODEL

E-Series	Model Description	Production Date
G45	X3 Sports Activity Vehicle	July 9, 2024 – January 24, 2025

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 February 8, 2025, you can see a list of affected vehicles in Inventory Campaign Details (ICD) under ROSS.

SITUATION

BMW AG has issued a Delivery Stop (effective February 7, 2025) on certain Model Year 2025 BMW vehicles that were produced between July 9, 2024, and January 24, 2025.

As of February 19, 2025, this Delivery Stop has been upgraded to a Safety Recall.

The connection between the positive battery cable and the starter-generator may not have been performed to specifications. Resistive heating could start to occur at the connection point. Over time, this could increase the risk of engine stalling without warning, which could increase the risk of a crash. Also, over time, this could increase the risk of smoldering and, in an extreme case, a fire. Both of these conditions could also increase the risk of an injury.

Do not deliver to a customer, a New, Certified Pre-Owned or Used vehicle subject to a Delivery Stop, until the vehicle is repaired. Do not use or sell replacement equipment/parts subject to a Delivery Stop.

The Recall Notice and FAQ have been attached for further information.

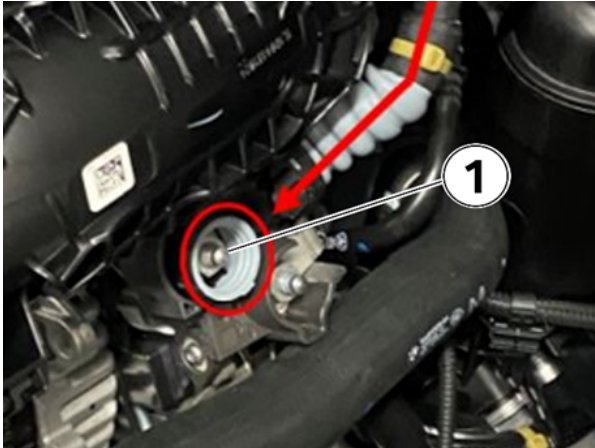
CORRECTION

Check the positive battery cable connection at the starter/generator (SGR). If evidence of local overheating or arcing is found, replace the SGR and the positive battery cable.

PROCEDURE

Remove the engine cover and engine electronics box to access the B+ connection on the SGR for inspection.

NOTE: The vehicles electrical system should be deactivated/disconnected for the inspection of the B+ connection. Use Repair Instruction **REP 12 31 022 Remove and install starter generator** for reference.



48 Volt (48V) battery "Plus" connection on the SGR after protective cap is removed (1)

- Check the cable for any play at the threaded connection on the SGR
- Check for any signs of overheating or arcing on the cable and the nut/threads
- If there is no play or signs of overheating, tighten the nut (torque check) to 19 Nm
- If there is any play (no signs of overheating):
 - Remove the nut and inspect the cable end and SGR for any signs of overheating or arcing/scorch marks
- If no abnormalities are observed, hand-tighten the nut and then torque to 19 Nm
- If there are signs of overheating or arcing/scorch marks, replace the SGR and the B+ cable

Replacing the SGR and 48V B+ cable

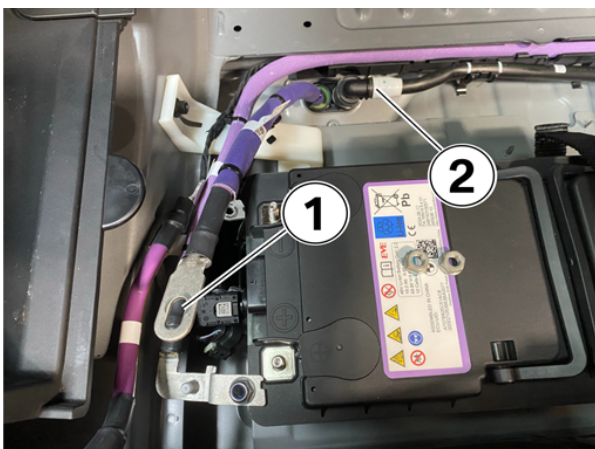
Continue following Repair Instruction **REP 12 31 022 "Remove and install starter generator"** to remove the SGR.

The 48V B+ cable runs from the 48V battery in the trunk to the SGR in the engine compartment.

Replace the 48V B+ cable once the intake manifold is off during the SGR replacement.

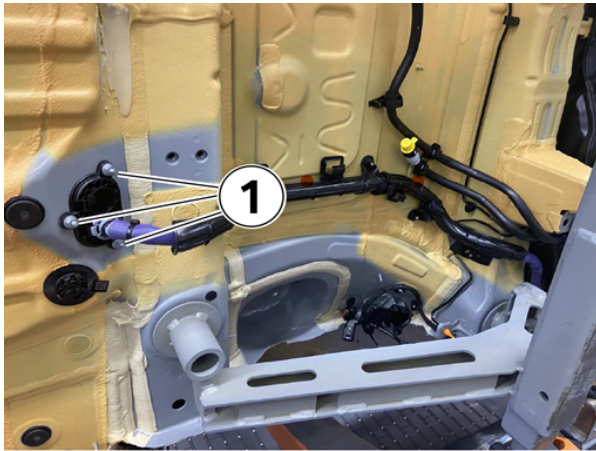
The exhaust shields and rear subframe need to be removed to access the B+ cable.

Follow **Repair Instruction 33 31 000 Removing and installing complete rear axle support**

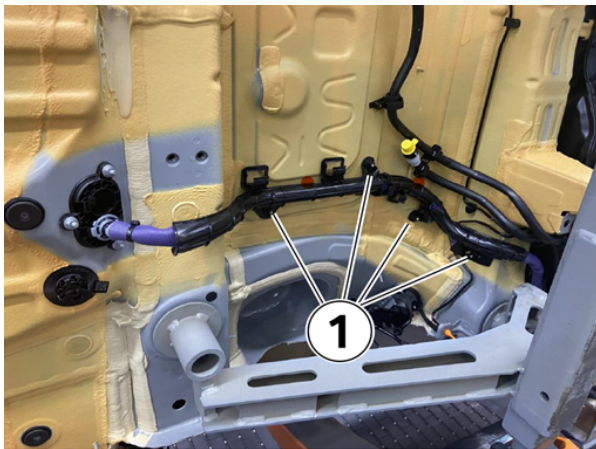


Disconnect the 48V SGR cable (1) from the B+ terminal of the 48V battery.

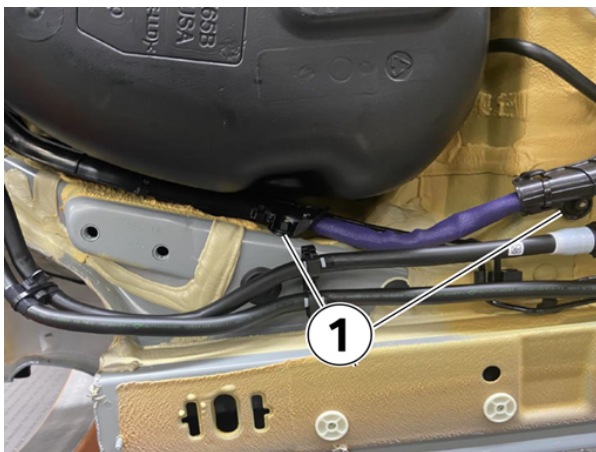
Disconnect the coolant line at the access point to the body (2)



Remove the nuts (1) holding the SGR B+ cable to the trunk (replace nuts during reassembly and tighten to 9 Nm).



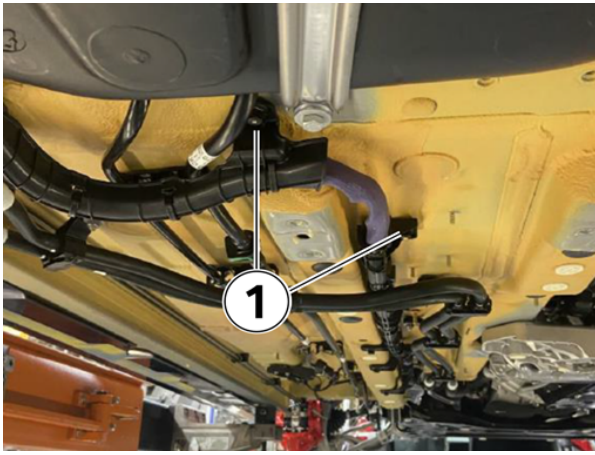
Remove all plastic nuts and feed the cable out of the trunk (replace all plastic nuts during assembly and torque to 2.3 Nm).



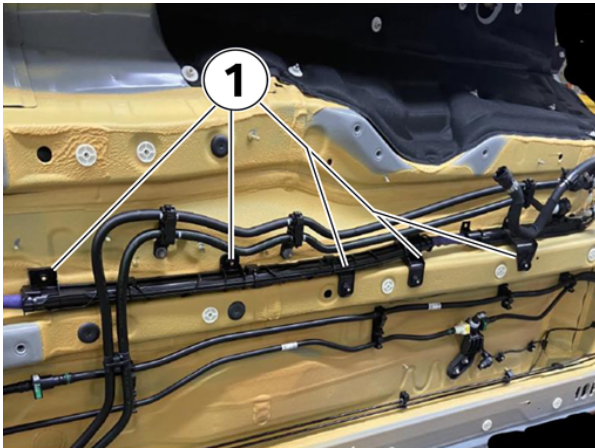
Continue removing the plastic nuts and feed out the cable (1).

Continue removing the plastic nuts and feed out the cable (1).

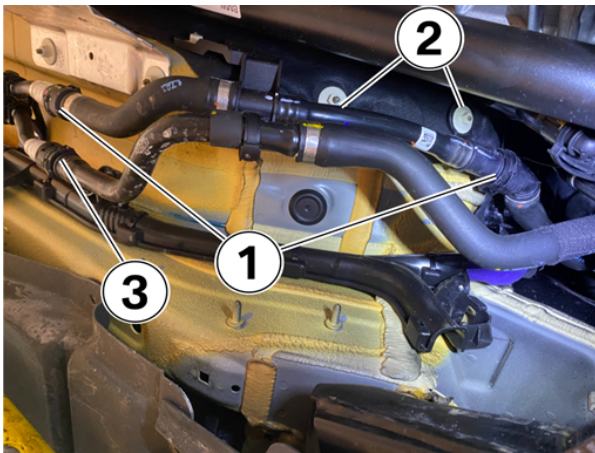
Viewed looking frontwards.



Continue removing the plastic nuts and feed out the cable (1).



Disconnect the low temperature coolant circuit's coolant hose (1) from both ends and remove the coolant pipe with bracket (2) (replace the plastic nuts during assembly and tighten to 2.3 Nm).



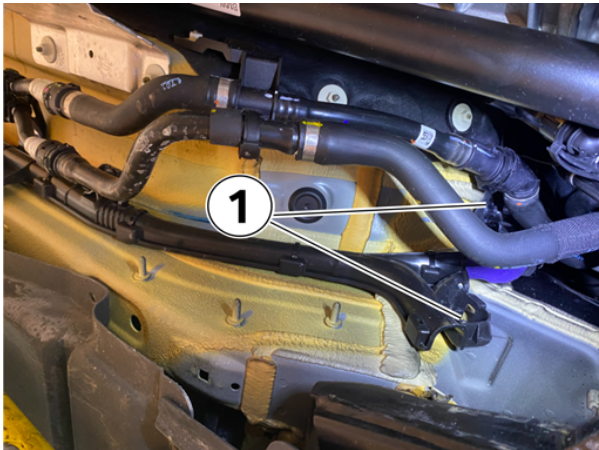
Disconnect the coolant hose (3) and move the hose away from the 48V B+ cable for better access to the cable.

Important: Life-time coolant filling - Never reuse used coolant!

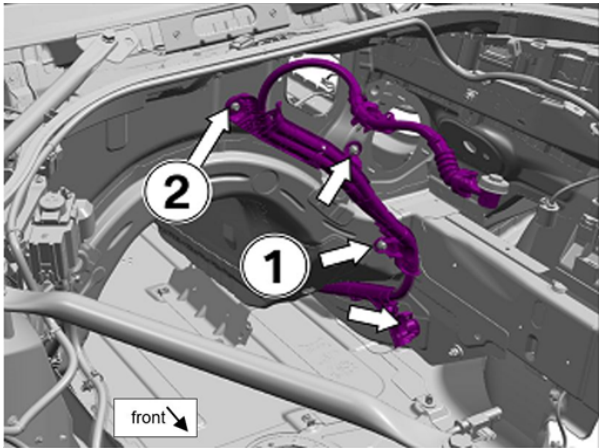
Installation note: Only use the prescribed coolant that applies to the vehicle! Observe the mixture ratio!

For cooling system disassembly/replacement work related to plastic and/or rubber components only where a partial quantity of coolant is drained, new coolant must be used to replenish the amount that was drained, up to the top up/full level.

DO NOT OVERFILL THE COOLANT SYSTEM.

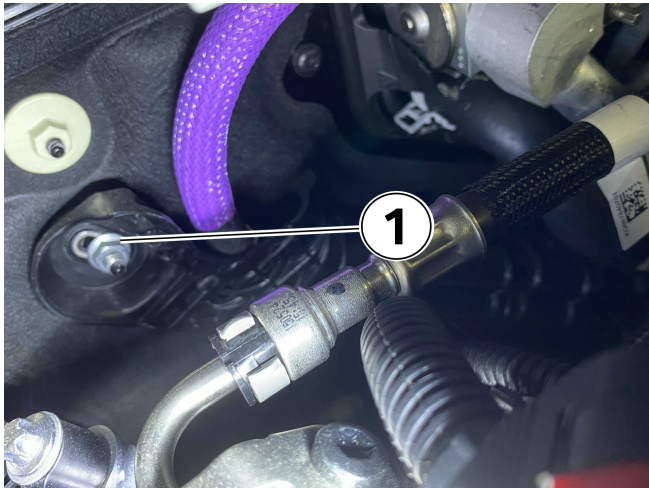


the cable (1).



There are three plastic nuts (1; see previous photo) and one metal nut (2; next step photo) that need to be removed.

Engine and transmission shown removed for clarity, looking towards the driver’s side of the engine compartment.



Remove the nut from the firewall and feed the 48V B+ cable out from under the vehicle (cable is disconnected from SGR).

- Tighten nut to 9 Nm during assembly

Install the new 48V SGR cable and continue with the SGR replacement. Reinstall all removed components (rear axle carrier, covers, etc).

PARTS INFORMATION

When WP# 2 or # 4 is performed, use and invoice the part numbers listed below

Part Number	Description	Quantity
12 31 5 A71 6F0	Starter generator	1
61 12 5 A6E 331	Underfloor positive battery cable	1
11 51 5 A64 9B1	Set of bushes	1
07 14 3 413 174	Flange nut (rounds to 10)	1

11 61 5 A40 C05	Seal for intake system	4
13 54 8 632 344	Gasket	2
13 64 7 675 557	O-ring (8.3 x 3.05)	4
33 32 6 794 873	Hexagon nut with collar	2
07 11 9 906 495	Hexagon screw with flange	2
33 32 6 760 340	Torx-bolt with washer	4
33 12 7 607 158	Repair kit, recessed nut, blue	1
07 11 9 906 089	Collar nut	3
07 14 5 A67 B87	Hexagon nut	1
18 30 5 A22 701	Muffler clamp	1
07 14 9 381 677	Plastic nut	2
16 13 1 176 747	Plastic nut for coarse threaded	10

Sublet - Bulk Supply Materials

Part Number	Description	Quantity
83 19 5A32851	HT-12 Antifreeze RTU (Bulk Drum DN = 1/10 Liter) (Pre-mix)	As needed
Or:		
83 19 2468442	BMW Antifreeze/Coolant (DN = 1 Gallon Concentrate) - HT-12	As needed

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/AIR), are to be selected from the Electronic Parts Catalog, and/or other approved BMW Group's resources according to the respective vehicle type. Invoiced these items separately under the Repair Code listed in this bulletin.

CLAIM INFORMATION

Reimbursement for this Recall will be via normal claim entry utilizing the applicable work package information below, and when required for WP#2 or WP#4, the part numbers listed above.

Repair Code:	0012350600	G45 Check threaded connection of positive battery cable for starter generator and rework if nec.
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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 (New in-stock/No in-service date), or the vehicle is already in the workshop for another reason and/or repair.

Work Pkg	Labor Operation	Description (Plusposition)	Labor Allowance
# 1	00 78 539	Check starter generator positive battery cable threaded connection and retighten	9 FRU
Or:			
# 2	00 78 540	Check the starter generator positive battery cable threaded connection and renew the starter generator and underfloor positive battery cable, includes Carrying out vehicle test (00 00 556/61 21 528) and the additional work to reset statistics data of the alternator (12 31 555)	As applicable

Or:

The vehicle arrives at your center and this Recall shows open (No other Main work will be performed or claimed during this workshop visit).

Work Pkg	Labor Operation	Description (Main work)	Labor Allowance
# 3	00 78 035	Check starter generator positive battery cable threaded connection and retighten	11 FRU
Or:			
# 4	00 78 036	Check the starter generator positive battery cable threaded connection and renew the starter generator and underfloor positive battery cable, includes Carrying out vehicle test (00 00 006/61 21 528) and the additional work to reset statistics data of the alternator (12 31 555)	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: B12 02 25 WP 1), unless otherwise required by State law.

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

Sublet Code 4	Reimbursement for the supported amount repair-related bulk supply material (Do not use the BMW part number for claim submission)	Up to \$50.00
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Sublet reimbursement calculation for claiming the applicable repair-related bulk supply material (BMW part number) is at the dealer net (DN) price for the full (Tenths) or proportional (Concentrate) quantity used plus your center's handling.

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

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 (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.

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

This Action's 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.

Reimbursement of a Prior Customer-Pay "Recall Remedy Comparable" Repair (TREAD Act)

Based on the age of the Affected Vehicles and the type of remedy repair being performed, a reimbursement
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However, if you should receive a reimbursement inquiry from a customer for a repair that may qualify because it addressed the issue described in this bulletin, and it was performed **prior** to the notification of the Recall, 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 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 B120225_25V-109-SGR-FAQ-\(19Feb2025\).pdf](#)
[picture_as_pdf B120225 Recall Notice.pdf](#)

SAFETY RECALL NOTICE

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

RE: Recall 25V-109: Starter Motor Generator – B12 02 25

BMW AG has issued a Delivery Stop (effective February 7, 2025) on certain Model Year 2025 BMW vehicles that were produced between July 9, 2024, and January 24, 2025.

As of February 19, 2025, this Delivery Stop has been upgraded to a Safety Recall.

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.

**Safety Recall
25V-109
Starter-Generator
Model Year 2025
BMW X3 SAV
Issue Date: 02/19/2025**

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

Certain Model Year 2025 BMW X3 SAV models, in the US are potentially affected.

Q2. What is the specific issue?

The connection between the positive battery cable and the starter-generator may not have been performed to specifications. Resistive heating could start to occur at the connection point. Over time, this could increase the risk of engine stalling without warning, which could increase the risk of a crash. Also, over time, this could increase the risk of smoldering and, in an extreme case, a fire. Both of these conditions could also increase the risk of an injury.

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

Other models were manufactured with a connection that meets specifications.

Q4. Can I continue to drive my vehicle?

Yes. However, when you are notified by BMW of this Safety Recall that a remedy is available, please contact an authorized BMW center to schedule an appointment as soon as possible. For the latest updates to this Safety Recall, please visit bmwusa.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 become aware of the issue?

BMW 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 BMW center as soon as possible to have the remedy performed. To locate your nearest authorized BMW center, please visit bmwusa.com/dealer.

To ensure BMW has the most up-to-date contact and vehicle information, owners should register their vehicle at bmwusa.com/myBMW. Registration is free and will give them access to other information specific for their BMW vehicle. Alternatively, owners can visit bmwusa.com/recall and click on “**Manage recall notices and contact information**”.

Q7. How will my vehicle be remedied?

Potentially affected vehicles will have the connection between the positive battery cable and the starter-generator inspected and, as necessary, the connection will be tightened to specifications, and the positive battery cable and/or the starter-generator will be replaced, for free which, depending upon the necessary remedy, could take up to several hours.

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 Safety Recall, please visit bmwusa.com/recall.