



## EMISSIONS RECALL 21E-A03: REPLACE THE MAP THERMOSTAT

This Service Information Bulletin (Revision 5) replaces SI B11 12 21 **dated May 2022**.

**What's New** (Specific text highlighted):

- Parts: Updated

Please perform the procedure outlined in this Service Information on all affected vehicles before customer delivery. In the event the customer has already taken delivery of the vehicle, please perform the procedure the next time the vehicle is in the shop.

**MODEL**

G05 X5 Sports Activity Vehicle	G06 X6 Sports Activity Coupe	G07 X7 Sports Activity Vehicle	G12 7 Series Sedan
G14 8 Series Convertible	G15 8 Series Coupe	G16 8 Series Gran Coupe	G30 5 Series Sedan

**AFFECTED VEHICLES**

Affected vehicles which require this Campaign to be completed will show it as "Open" when checked either in AIR, the "Service Menu" of DCSnet (Dealer Communication System), ISPA NEXT or Warranty Vehicle Inquiry.

**SITUATION**

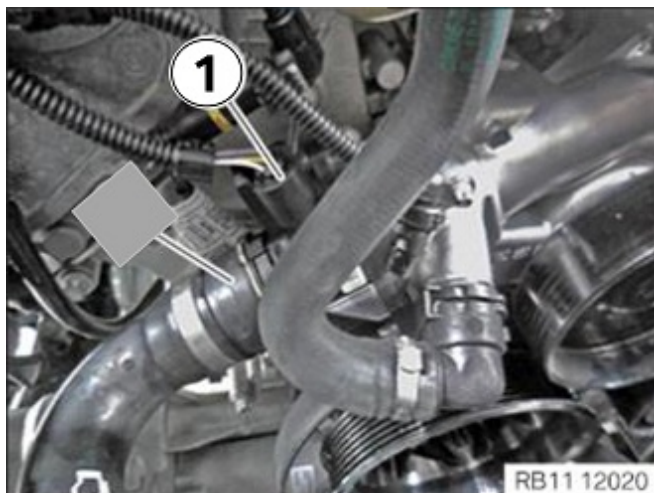
**Coolant may leak into the electrical connector of the MAP thermostat. This leak could cause a fault in the DME and set a Service Engine Soon indicator light.**

**CAUSE**

Coolant can penetrate the electrical connector due to internal burr residue in the area of the heating element of the characteristic map thermostat.

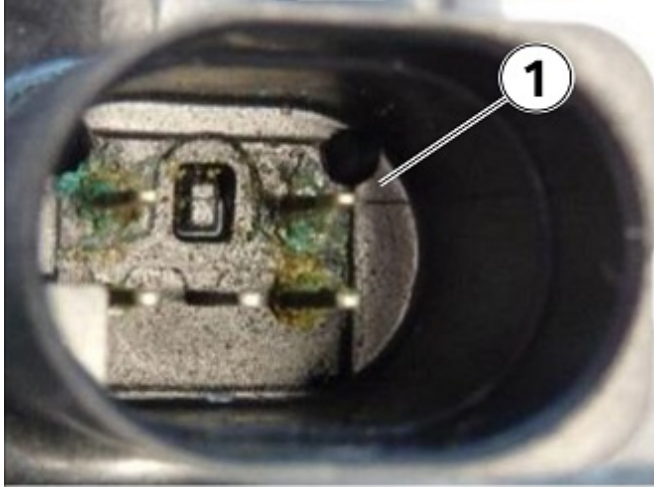
**CORRECTION**

Replace the MAP thermostat. Inspect the engine wiring harness for coolant contamination and if necessary, replace the engine harness section for cylinders 1-4.

**PROCEDURE**

- Unplug the electrical connector from the MAP thermostat (1)

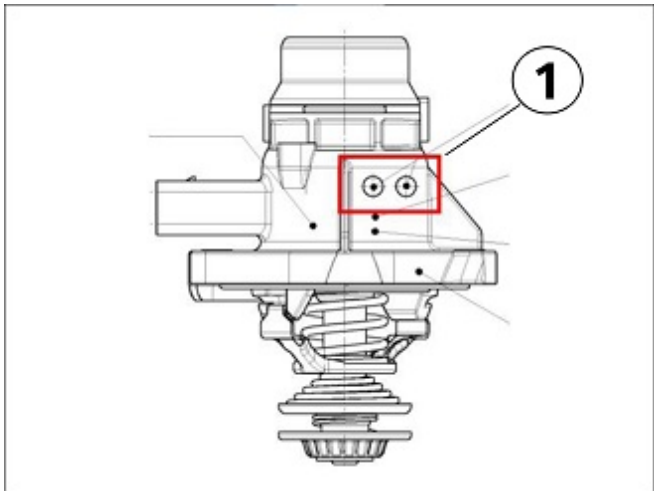
- Check for coolant contamination on the pins of the thermostat (1)



- Replace the thermostat following repair instruction **11 53 000 Remove and install/replace the coolant thermostat.**
- If there is corrosion on the pins the engine harness will need to be replaced along with the thermostat.
- Follow Repair Instruction **12 51 302 Remove and install/replace wiring harness section of sensor system module for cylinders 1-4.**
- If there is no corrosion on the pins the harness **will not** need replacement.

Prior to thermostat Installation:

- Check the production date of the new part. Parts with a date code 12/31/2020 through 5/03/2021 should not be installed. **NOTE:** Parts within that production range should have been called back as part of a Parts Tech Return in 10/2021.



- The date code stamp is located on the side of the thermostat (1)



- Example of date code (1), showing the 5<sup>th</sup> of February 2020.

## [PARTS INFORMATION](#)

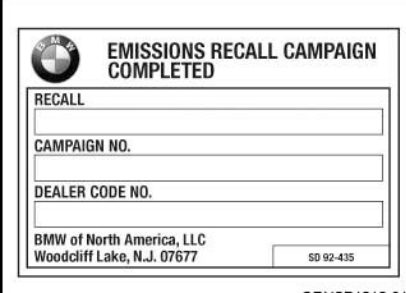
Only use and invoice the part numbers below that apply.

Performing a part number look-up in ETK (EPC) by VIN or model in place of using/invoicing the following part numbers may result with the wrong part numbers being invoiced and installed, this could delay the payment of the claim.

Part Number	Description	Quantity
11 53 8 685978	Thermostat with characteristic map control	1
07 14 7 483888	Hexagon bolt (M10X55 10.9 ZNS)	6
07 14 6 886617	Multi-purpose bolt ASA for the stiffening plate (M10x27 10.9 ZNS) (G05/06/07)	12 (if required)
31 10 6 870648	Hex bolt with washer (M8x40) (G30/12/14/15/16)	12 (if required)
Refer to ETK/AIR	Only if corrosion is found, send a Recall IDS Ticket. Engine wiring harness for sensor system module 1 (1-4)	1 (if required)
83 19 2 468442	BMW Antifreeze/Coolant (1 gal, concentrate) - HT-12	Sublet as needed
Or:		
83 19 5 A32 851	HT-12 Antifreeze RTU (Bulk 1/10 Liter, pre-mix)	Sublet as needed

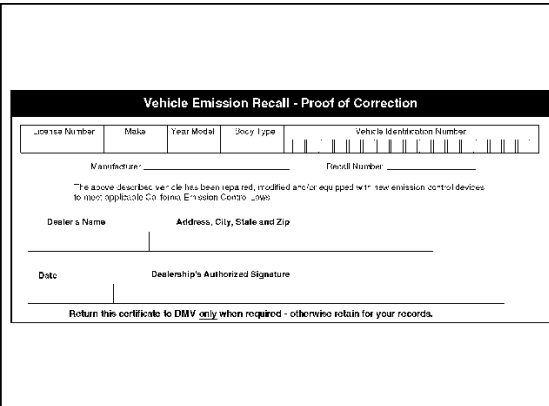
## LABEL INSTRUCTIONS

After the vehicle has been checked and corrected, obtain a label (SD 92-435) and with the indelible marker provided, legibly print the Recall name, Recall number, and dealer code (5 digits) on the "Emissions Recall Campaign Completed Label" (see illustration). Peel the label from its backing and affix it to the right (passenger) rear side of the hood in the engine compartment, close to windshield.



The image shows a rectangular label with a BMW logo in the top left corner. The text on the label reads: "EMISSIONS RECALL CAMPAIGN COMPLETED". Below this, there are three input fields labeled "RECALL", "CAMPAIGN NO.", and "DEALER CODE NO.". At the bottom left, it says "BMW of North America, LLC Woodcliff Lake, N.J. 07677". At the bottom right, there is a small box containing "SD 92-435". Below the label, the code "GRUSB1212-01" is printed.

For California centers only: It is required by the California Code of Regulations that an executed orange "Vehicle Emission Recall - Proof of Correction" certificate (SD92-084, see illustration) be provided to each customer (for vehicles registered in the state of California), once the Recall on his or her vehicle has been completed.



The image shows a form titled "Vehicle Emission Recall - Proof of Correction". It has several fields for "License Number", "Make", "Year/Model", "Body Type", and "Vehicle Identification Number". There are also fields for "Manufacturer", "Recall Number", "Dealer's Name", and "Address, City, State and Zip". At the bottom, there are fields for "Date" and "Dealership's Authorized Signature". A note at the bottom states: "Return this certificate to DMV only when required - otherwise retain for your records." The code "S12.96 U31" is printed at the bottom right.

## CLAIM INFORMATION

Reimbursement for this Emission Recall will be via normal claim entry utilizing the applicable work package information below and the part numbers listed above that apply.

<b>Defect Code:</b>	<b>0011380600</b>	<b>G0x G1x G3x N63B Replacing characteristic map thermostat</b>
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Completion before the first vehicle delivery to a customer or the vehicle is already in the workshop

Work Pkg	Labor	Description (Plus work)	Labor Allowance
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	<b>Operation</b>		
# 1	00 71 894	Replacing the characteristic map thermostat	Refer to AIR
Or:			
# 2	00 71 895	Replacing the characteristic map thermostat and deleting the fault memory (only if malfunction indicator lamp is ON, includes connecting an approved battery charger/power supply and performing a vehicle test)	Refer to AIR
Or:			
# 3	00 71 896	Replacing the characteristic map thermostat and wiring harness section of sensor system module 1 (1-4)	Refer to AIR
Or:			
# 4	00 71 899	Replacing the characteristic map thermostat and engine wiring harness of sensor system module 1 (1-4) (only if MIL is on, includes connecting an approved battery charger/power supply and performing a vehicle test)	Refer to AIR
Or:			
# 5	00 71 897	Vehicle was already taken care of through another repair or Technical Campaign	1 FRU

Or:

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

<b>Work Pkg</b>	<b>Labor Operation</b>	<b>Description (Main work)</b>	<b>Labor Allowance</b>
# 6	00 71 336	Replacing the characteristic map thermostat	Refer to AIR
Or:			
# 7	00 71 337	Replacing the characteristic map thermostat and deleting the fault memory (only if malfunction indicator lamp is ON, includes connecting an approved battery charger/power supply and performing a vehicle test)	Refer to AIR
Or:			
# 8	00 71 338	Replacing the characteristic map thermostat and wiring harness section of sensor system module 1 (1-4)	Refer to AIR
Or:			
# 9	00 71 341	Replacing the characteristic map thermostat and engine wiring harness of sensor system module 1 (1-4) (only if MIL is on, includes connecting an approved battery charger/power supply and performing a vehicle test)	Refer to AIR
Or:			
# 10	00 71 339	Vehicle was already taken care of through another repair or Technical Campaign	1 FRU

Refer to AIR for the corresponding flat rate unit (FRU) allowances.

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: B11 12 21 WP 1), unless otherwise required by State law.

And, as needed:

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

<b>Sublet Code</b> <b>4</b>	Up to \$30.00	Reimbursement for the repair-related bulk materials (Do not use the BMW part numbers for claim submission)
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Sublet reimbursement calculation for claiming the applicable repair-related bulk material (BMW part numbers) is at the dealer net price amount for the 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 part number quantity is at 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.

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

This Emission Recall 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.

## QUESTIONS REGARDING THIS BULLETIN

Technical inquiries	Submit feedback at the top of this bulletin
Warranty inquiries	Please contact the Warranty department by either using the Live Chat that's available in the Warranty Documentation Portal or through IDS by selecting Coverage, Policy, Coding Questions and Mileage Corrections
Parts inquiries	Submit an IDS ticket to the Parts Department