



## CHECK CONTROL MESSAGE: TOP UP COOLANT

**MODEL**

G01 (X3 Sports Activity Vehicle)	G02 (X4 Sports Activity Coupe)	G05 (X5 Sports Activity Vehicle)	G06 (X6 Sports Activity Coupe)
G07 (X7 Sports Activity Vehicle)			

Models with 4 and 6 cylinder engines

**SITUATION**

The Check Control message below appears even though the coolant level is not below minimum when the engine is cold.

- Check Control message (ID 166): Top up coolant.

**CAUSE**

Corrosion on the pin contacts for the coolant level sensor in the expansion tank.

**CORRECTION**

Inspect the connector and the pins on the level sensor with a mirror for corrosion. If corrosion is found, replace the expansion tank and repair the wiring harness at the coolant level sensor.

**PROCEDURE**

Follow **Repair Instruction 17 11 100 Removing and installing/replacing coolant expansion tank.**

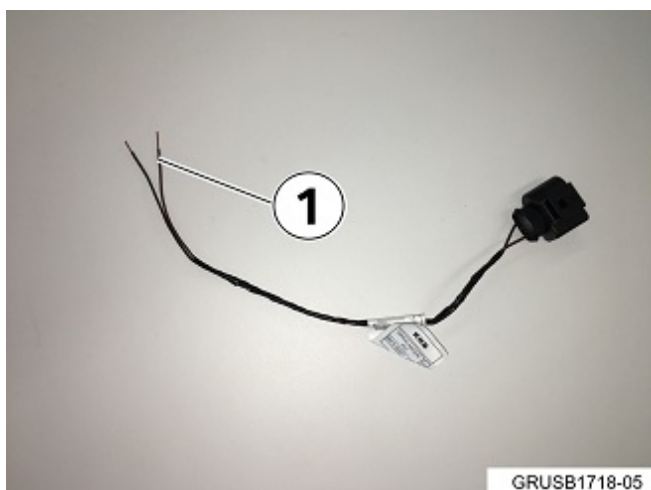
Once the tank is removed, repair the harness with repair kit PN 61 11 9 289 009 or 61 11 9 312 324.

Once the expansion tank is removed-

- Remove the protective tape approximately 4 inches away from the connector
- Cut the connector off the harness



The repair harness (PN 61 11 9 289 009 or 61 11 9 312 324) comes with two splice terminals and two heat shrink sections.



Cut back approximately 8 – 10 inches of the repair harness after the connector for coolant level switch to make the repair.

**NOTE:** The repair kit has enough wire to connect the coolant level sensor to the BDC. Only 8 – 10 inches of wire are needed for this repair.

Install the new expansion tank after harness repairs.

## **PARTS INFORMATION**

Obtain and confirm the part numbers for your specific vehicle by entering the chassis number in either ETK or AIR which takes into account specific equipment and/or options.

<b>Part Number</b>	<b>Description</b>	<b>Quantity</b>
61 11 9 289 009	Repair cable kit	1
Or		
61 11 9 312 324	Repair cable kit	1
Refer to ETK	Coolant expansion tank	1
82 14 1 467 704	Coolant (up to 6/30/2018 Production) (1 gal concentrate)	Sublet as needed
83 19 2 468 442	Ht-12 Coolant (from 7/1/2018 Production) (1 gal concentrate)	Sublet as needed
Or:		
83 19 5 A32 851	HT-12 Antifreeze RTU (Bulk 1/10 Liter) (Pre-mix)	Qty as needed

## **CLAIM INFORMATION**

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks.

<b>Defect Code:</b>	<b>1711024800</b>	<b>Cooling circuit expansion tank Leaking</b>
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Refer to AIR for the corresponding flat rate unit (FRU) allowances.

<b>Labor Operation</b>	<b>Description</b>	<b>Labor Allowance</b>
17 11 100	Removing and installing/replacing coolant expansion tank (Main work)	Refer to AIR
Or:		
17 11 550	Removing and installing/replacing coolant expansion tank (Plus work)	Refer to AIR
Or:		
17 11 600	Removing and installing/replacing coolant expansion tank (Associated work - Coolant drained)	Refer to AIR
And, as required:		
61 00 009*	Troubleshooting in the electrical/electronic system (See below)	Work time (WT)
Or		
00 58 500*	Diagnosis Worktime Flat Rate (See below)	2 FRU
And:		
17 99 000	Work time to replace connector for coolant level sensor (Associated work)	3 FRU

If you are using a Main labor code for another repair, then use the Plus code labor operation 17 11 550 or the Associated work labor operation 17 11 600, as applicable, instead of 17 11 100.

Work time labor operation codes 61 00 009, 005817 99 000 are not considered a Main labor operations.

\*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.

And:

### **Sublet – Bulk Material**

<b>Sublet Code 4</b>	See the sublet reimbursement calculations below	Reimbursement for the repair-related bulk material (Do not use part numbers for claim submission)
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Sublet reimbursement calculation for claiming the applicable repair-related bulk material (BMW part number) is at the dealer net price 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 is the quantity for 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.

**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