



SIB 64 02 21

2021-02-24

CHECK CONTROL MESSAGE "COOLANT LEVEL. TOO LITTLE COOLANT"

MODEL

E-Series	Model Description	Production Date	Affected Option Code
G07	X7 Sports Activity Vehicle	September 1 thru November 30 2020	4NN - automatic air conditioning with 5-zone control

SITUATION

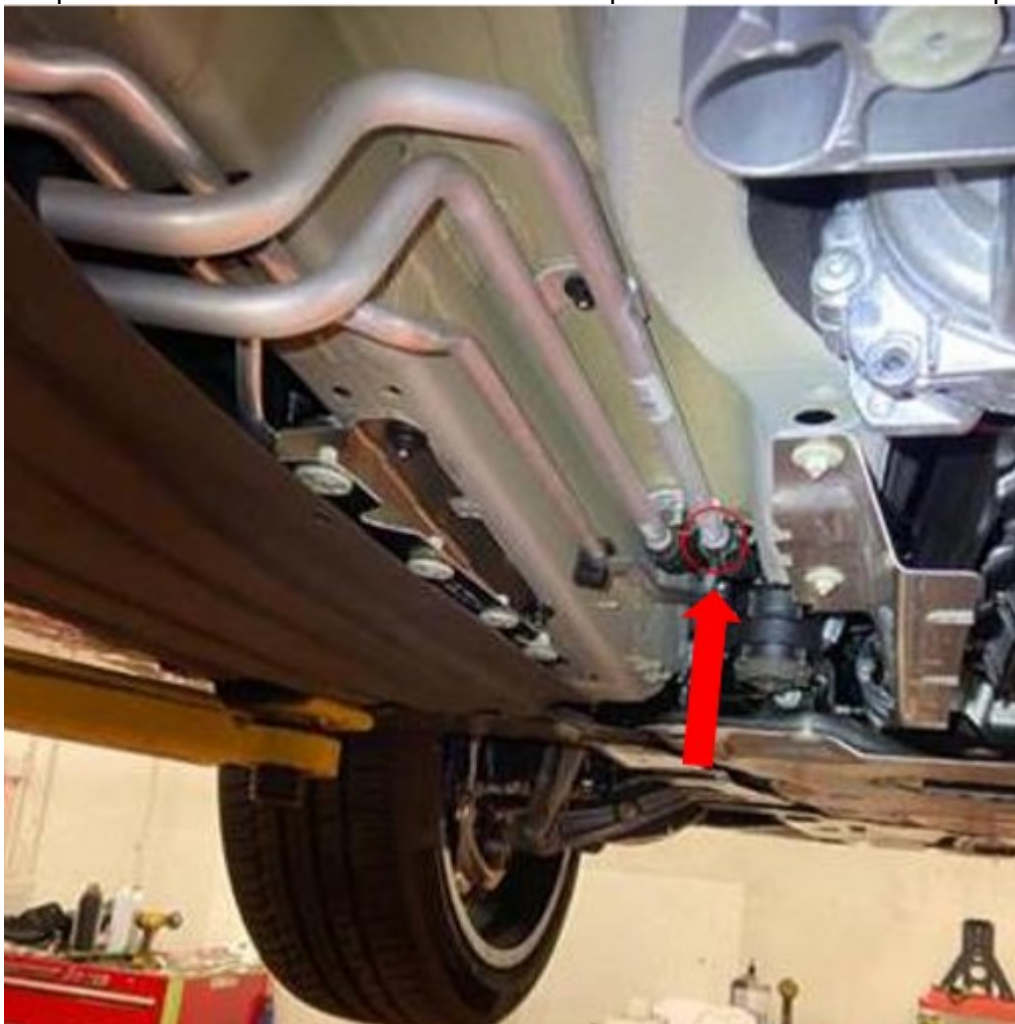
On G07 vehicles with 5 zone air conditioning, the following Check Control message appears:

Coolant level: Too little coolant. Top up coolant at next opportunity.

CAUSE

A leak may occur in the coolant pipes that run underneath the vehicle floor.

The possible leak is located at the connection point between the aluminum pipe and the downstream hose.



The aluminum pipe and the hose are connected to each other by a spring-band clamp.



CORRECTION

The tension on the spring-band clamp may not be uniformly applied. Remove the spring-band clamp and replace it with a worm-type hose clamp.

PROCEDURE



1. Loosen and slightly lower the underfloor coolant pipe in the affected connection area.

Note: To avoid having to drain the cooling system, the coolant pipe must not be removed!

Exchanging the aluminum pipe or the hose is not necessary.



2. Open the spring-band clamp using special tool pliers 172050.

If these pliers are not available, two small pry bars set back to back can be used to pry open the clamp.

3. Push the spring-band clamp onto the aluminum pipe.



4. Secure the hose/pipe connection with a hose clamp, part number 64 21 8 367 179 and tighten to 4 Nm.



5. Using a bolt cutter, cut the spring-band clamp into 2 parts and remove it.

6. Secure the underfloor coolant pipe again.



7. Check the coolant level and replenish, if necessary.

Then reassess the vehicle.

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.

Part Number	Description	Quantity
64 21 8 367 179	Hose Clamp	1
83 19 2 468 442	BMW HT-12 Antifreeze Coolant (1 Gal Concentrate)	Sublet as needed

WARRANTY INFORMATION

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

Defect Code:	6421004800	Heater, coolant hoses Leaking

Labor Operation	Description	Labor Allowance
17 00 009	Check the cooling system for watertightness with the special tool (Main work)	Refer to AIR
Or:		
17 00 509	Check the cooling system for watertightness with the special tool (Plus work)	Refer to AIR
And:		
51 47 991	Removing the rear engine undercover	Refer to AIR
And:		
17 99 000	Work time to loosen and slightly lower the underfloor coolant pipe in the affected connection area to remove the spring band clamp, replace it with a worm type hose clamp (without removing the coolant pipe) and re-check for watertightness	5 FRU

If you are using a Main labor code for another repair, use the Plus code labor operation 17 00 509 instead of 17 00 009.

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

Work time labor operation code 17 99 000 is not considered a Main labor operation.

As applicable to your center, please refer to **SI B01 01 20** or **B01 07 20** for claiming your diagnosis work time, job/repair work time (WT), RO/Claim WT and/or repair explanation procedures, unless otherwise required by State law.

And, as needed:

Sublet – Bulk Materials (RO and Claim Comments Required)

Sublet Code 4	See the sublet reimbursement calculations below	Reimbursement for the repair-related bulk material (Do not use the BMW part number 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 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 with 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.

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