

**SIB 17 02 20**

2022-08-24

COOLANT LEAKING FROM THE LOW TEMPERATURE COOLING SYSTEM (B58C ENGINE)

This Service Information Bulletin (Revision 1) replaces SI B17 02 20 **dated March 2020**.

What's New:

- Model clarified as to engine
- Parts Information section added
- Part Number for the HT-12 Pre-Mix Coolant added
- Claim Information section updated

MODEL

G05 (X5 Sports Activity Vehicle)	G06 (X6 Sports Activity Coupe)	G07 (X7 Sports Activity Vehicle)	All with the B58C engine produced to August 26, 2019
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SITUATION

Symptom 1: There are traces of coolant leaking under the vehicle, or there is significant pressure released along with coolant loss when opening the low temperature cooling system reservoir (engine cold).

The following fault code may also be stored in the DME:

- 20A201 – Charge air cooling system: Coolant pump protective function activated due to dry running

Symptom 2*: The air conditioning may have low cooling output with the following fault stored in the IHKA:

- 80120A - Compressor: Shut down due to overpressure in refrigerant system

* Symptom 2 is an additional symptom related to Symptom 1. **Diagnose the IHKA fault with ISTA test plans if it is the only fault stored** (if no DME faults are stored related to coolant loss, this bulletin repair does not apply).

CAUSE

Premature breakdown of the coolant with gassing in the low temperature cooling system.

CORRECTION

Drain and refill the low temperature cooling system twice.

PROCEDURE

Only use the BMW-approved HT-12 coolant **P/N 83 19 2 468 442 or 83 19 5 A32 851**.

Follow Repair Instruction **17 00 011 Draining and topping up coolant for low temperature circuit**.

Drain and refill the cooling system after the final procedure in the repair instruction (Venting the low-temperature cooling system).

Drain and refill the system with new coolant and repeat **17 00 011** repair instructions.

NOTE: Submit a TSARA Hotline Case for further assistance, if the vehicle returns with the same issue/symptom a second time.

PARTS INFORMATION

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

Part Number	Description	Quantity
83 19 2 468 442	Ht-12 Coolant (1 gal concentrate)	1 Gal, up to \$50.00 in sublet
Or:		
83 19 5 A32 851	HT-12 Antifreeze RTU (Bulk 1/10 Liter) (Pre-mix)	60, Claim by Part Number

CLAIM INFORMATION

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

Defect Code:	1711014800	Sealing cap, expansion tank, coolant circuit Leaking
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Refer to AIR for the corresponding flat rate unit (FRU) allowances.

Labor Operation	Description	Labor Allowance
17 00 011	Draining and topping up coolant for low temperature circuit (Main work, First Time)	Refer to AIR
Or:		
17 00 580	Draining and topping up coolant for low temperature circuit (Plus work, First time)	Refer to AIR
And:		
00 00 556	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)	Refer to AIR
And:		
61 21 528	Support voltage of the vehicle electrical system / recharge vehicle electrical system battery	Refer to AIR
And, as necessary:		
61 00 006*	Performing vehicle diagnosis – test module (Work time)	3 FRU
Or:		
00 58 500*	Diagnosis Worktime Flat Rate (See below*)	2 FRU

If you are using a Main labor code for another repair, use the Plus code labor operation 17 00 580 instead of 17 00 011.

Or:

Labor Operation	Description	Labor Allowance
00 00 006	Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work)	Refer to AIR
Or:		
00 00 556	Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work)	Refer to AIR
And:		
61 21 528	Support voltage of the vehicle electrical system / recharge vehicle electrical system battery	Refer to AIR
And, as necessary:		
61 00 006*	Performing vehicle diagnosis – test module (Work time)	3 FRU
Or:		
00 58 500*	Diagnosis Worktime Flat Rate (See below*)	2 FRU
And:		
17 00 580	Draining and topping up coolant for low temperature	Refer to AIR

circuit (Plus work, First time)

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006, or exclude (including 61 21 528) when the Vehicle Test is included in another repair.

And, for the:

G05, G06, and G07 with the B58C ENGINE

Labor Operation	Description	Labor Allowance
17 99 000	Work time for draining and topping up coolant for low temperature circuit (WT, second time, minus 51 47 500, 31 11 540 and 51 75 510)	4 FRU

Work time labor operation codes 61 00 006, 00 58 500 and 17 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 Antifreeze Concentrate PN 83 19 2 468 442 (HT-12) Only

Sublet Code 4	1 Gal, up to \$50.00 in sublet	Reimbursement for replacing the drained quantity of antifreeze/coolant (Bulk container reference PN 83 19 2 468 442). Do not use this part number for claim submission)

Sublet calculation: BMW antifreeze/coolant (1 gallon bulk container reference P/N **83 19 2 468 442**) for approximately 3 liters (6 liters total) that is needed for this repair (50/50 mixture) at dealer net plus your center's handling.

Enter this material cost in sublet and itemize the amount on the repair order and in the claim comments 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