



SIB 17 02 20

2020-03-11

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 (Specific text highlighted):

- Part Number for coolant has changed

MODEL

G05 (X5 Sports Activity Vehicle)	G06 (X6 Sports Activity Coupe)	G07 (X7 Sports Activity Vehicle)	All with the B58C engine up to 8/26/19
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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 BMW-approved coolant P/N **83 19 2 468 442**.

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.

WARRANTY INFORMATION

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

Defect Code:	1711011500	

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	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)	Refer to AIR
And, as necessary:		
61 00 006	Performing vehicle diagnosis – test module	3 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	Connect an approved battery charger/power supply (indicated in AIR as Charging battery)	Refer to AIR
And, as necessary:		
61 00 006	Performing vehicle diagnosis – test module	3 FRU
And:		
17 00 580	Draining and topping up coolant for low temperature circuit (Plus work, First time)	Refer to AIR

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.

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

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

Work time labor operation codes 61 00 006 and 17 99 000 are not considered a Main labor operations. Also, since the work time FRU allowances to be claimed are specified, separate punch times are not required. However, they still require an explanation on the repair order and in the claim comments section.

And:

Sublet – Bulk Materials

Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for replacing the drained quantity of antifreeze/coolant (Bulk container reference 83 19 2 468 442 , one gallon container. Do not use this part number for claim submission)
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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.