



CHECK CONTROL MESSAGE TOP UP COOLANT (I12)

This Service Information bulletin replaces SI B17 03 18 dated **June 2018**

What's New:

- i8 Roadster added
- Software level for repair has been updated

Model

I12 (i8)	I15 (i8 Roadster)
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Vehicles produced to November 2018

Situation

The "top up coolant" message is displayed in the central display (CC message ID 166). When checking the cooling system there are no leaks found and the expansion tank is filled to the proper level.

Cause

1. BDC software error
2. Poor contact in the electrical connector at the coolant level sensor in the expansion tank

Procedure 1

Check the current I-level of the vehicle. If the I-level is lower than I001-18-11-530, reprogram and code the vehicle with the latest version of ISTA 4.

NOTE: No programming is necessary if the I-level is I001-18-11-530 or higher. If no programming is necessary **continue to Procedure 2.**

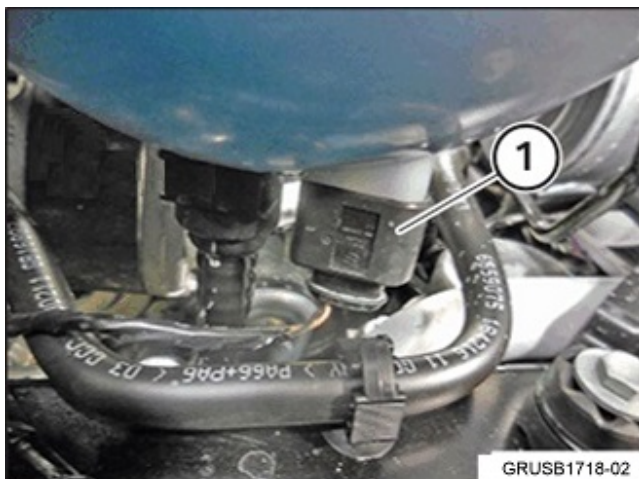
Note that ISTA will automatically reprogram and code all programmable control modules that do not have the latest software.

Always connect a BMW-approved battery charger/power supply (SIB04 23 10).

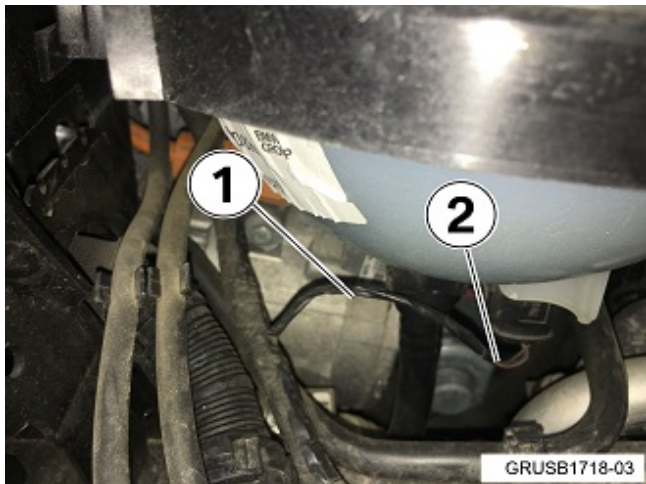
Continue to Procedure 2.

Procedure 2

Replace the expansion tank and plug connection (1):



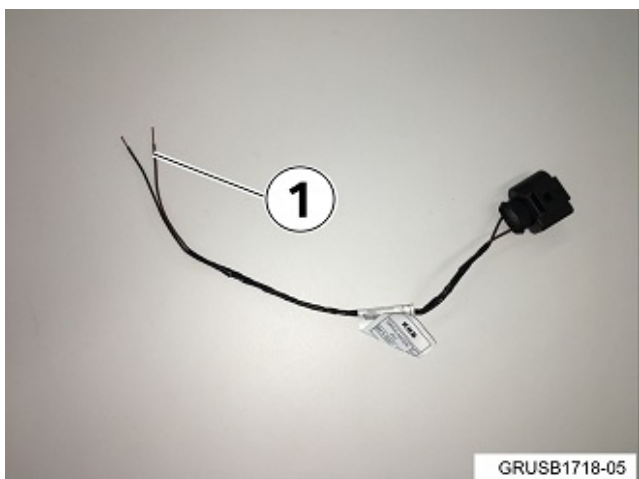
Follow Repair Instruction **17 11 100** **Butt connector for repairing a plug connection** (high-temperature cooling system) (I12).



Once the expansion tank is removed, Remove the protective tape (1) approximately 4 inches away from the connector and cut the connector off the harness (2).



The repair harness (PN 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. **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.

Follow Repair Instruction **61 13 ... Butt connector for repairing a plug connection** for installing and crimping the repair harness to the vehicles harness (instructions attached).

Complete the installation of the new coolant expansion tank.

Parts Information

Part Number	Description	Quantity
17 13 7 640 831	Coolant expansion tank	1
61 11 9 312 324	Repair cable kit	1
Bulk Material		
82 14 1 467 704	Antifreeze	As needed

Warranty Information

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

Defect Code:	6131271400	
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Procedure 1: If the vehicle's I-level is at I001-16-03-501 or lower

Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to AIR	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Main work)
Or:		
00 00 556	Refer to AIR	Performing "vehicle test" (with vehicle diagnosis system – checking faults) (Plus work)
And:		
61 21 528	Refer to AIR	Connect an approved battery charger/power supply (indicated in KSD2 as "Charging battery")
And:		
61 25 910	Refer to AIR	Recharging high-voltage battery unit (to high voltage charging socket)
And:		
61 00 730	Refer to AIR	Programming/encoding control unit(s)

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. Only **one Main** labor (work) code is claimable per repair visit.

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

During the same workshop visit, **if a vehicle also requires another Technical Campaign or repair that also includes programming and encoding the control units, the programming procedure may only be invoiced one time.**

Vehicle Programming and Encoding

A. **The programming procedure** automatically reprograms and encodes all vehicle control modules which do not have the latest software i-level. If one or more control module failures occur "during" this programming procedure:

- Please claim this "consequential" control module-related repair work under the defect code listed in this bulletin with the applicable KSD2/AIR labor operations.

Please explain this additional work (The why and what) on the repair order and in the claim comments section.

1. For control module failures that occurred "prior" to performing this programming procedure:

- When "covered" under an applicable limited warranty, claim this control module-related repair work using the applicable defect code and labor operations (including diagnosis) in KSD2/AIR.

And/or:

Procedure 2: Replace expansion tank and plug connection

Labor Operation:	Labor Allowance:	Description:
17 00 009	Refer to AIR	Checking the cooling system for watertightness with special tool (with tester) (Main work)
Or:		

17 00 509	Refer to AIR	Checking the cooling system for watertightness with special tool (with tester) (Plus work)
And:		
17 11 550	Refer to AIR	Removing and installing or replacing coolant expansion tank
And:		
17 99 000	3 FRU	Work time to replace connector for coolant level switch

If you are using a Main labor code for another repair, use the Plus code labor operation 17 00 009 instead of 17 00 509. Only **one Main** labor (work) code is claimable per repair visit.

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. Also, since the “work time” FRU allowance to be claimed is specified, a separate punch time is not required. However, it still requires an explanation on the repair order and in the claim comments section.

And:

Procedure 2: Sublet – Bulk Material

Sublet Code 4	See the sublet reimbursement calculations below	Reimbursement for the repair-related bulk materials (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 deal net price for the “quantity used” plus your center’s handling.

BMW Antifreeze/Coolant: Claim for the amount that is 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