



SI B17 02 12
Cooling Systems

October 2013
Technical Service

This Service Information bulletin supersedes SI 17 02 12 **dated November 2012.**

NEW designates changes to this revision

SUBJECT

Low Coolant Warning Is Displayed

MODEL

F30 with the N20 or N26 engine

Produced to **NEW** 8/2012

SITUATION

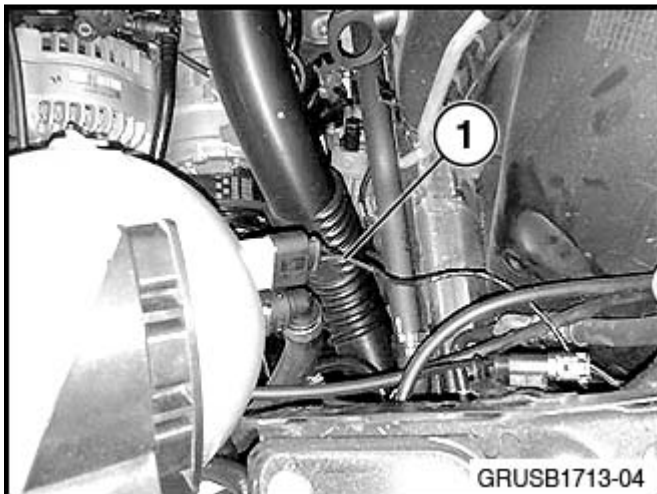
The low coolant level warning may come on in the information display.

CAUSE

Moisture-induced corrosion at the electrical connector for the coolant level sensor causes an inaccurate reading of the coolant level.

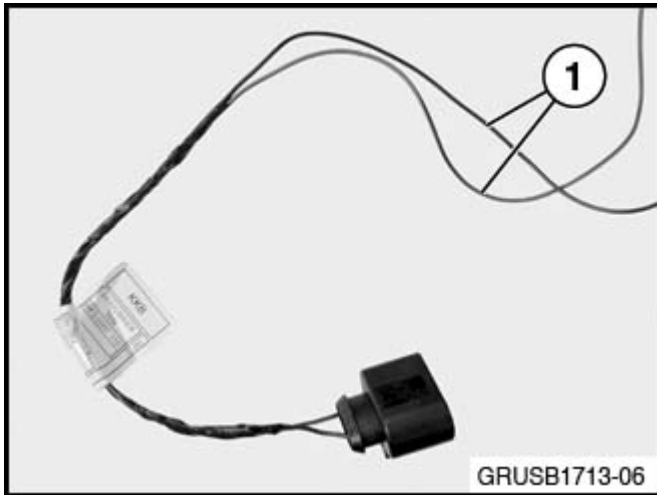
NEW PROCEDURE

Remove the coolant expansion tank per Repair Instruction 17 11 100.

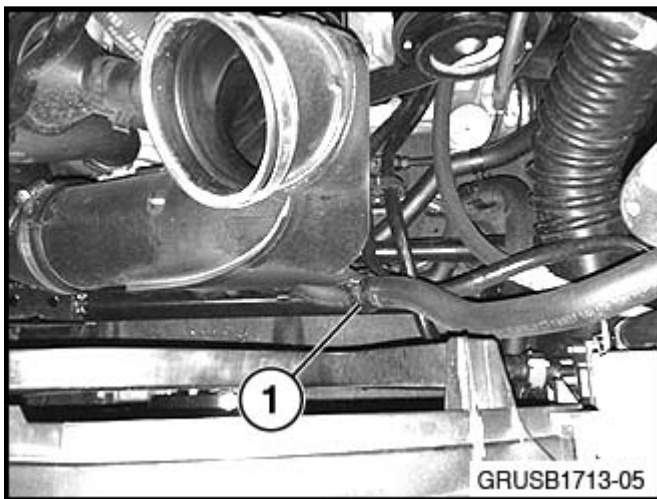


Cut the wiring on the old connector for the coolant level sensor at 5 mm from the connector (1).

Cut the replacement harness (from connector repair kit P/N 61 11 9 289 009) at 50 mm away from the taped portion of the harness (1). Crimp the new level sensor harness to the body harness with the provided cable connectors and heat shrinking hose



(refer to Repair Instruction 61 13 ... Butt connector for repairing a plug connection). Install the new coolant expansion tank.



*Note: Check for proper connection of the lower coolant hose from the expansion tank when removing/replacing the tank (1). The coolant hose may become disconnected during repairs. The hose will contact the engine cooling fan if this hose remains disconnected from the bracket (air box removed for clarity).

Note: This repair procedure involves draining a small quantity of coolant (approximately 2 liters); refill the drained quantity with new BMW Long-term Antifreeze/Coolant (50/50 mixture – 1 liter Antifreeze/1 liter water). Do not reuse the drained coolant.

PARTS INFORMATION

Part Number	Description	Quantity
17 13 7 609 469	Expansion tank	1
61 11 9 289 009	Connector repair kit	1
82 14 1 467 704	Antifreeze	See below

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty.

Defect Code:	61 31 27 15 00	

Labor Operation:	Labor Allowance:	Description:
17 11 100	Refer to KSD	Replacing coolant expansion tank
and		
17 99 000	6 FRU	Work time to repair the wiring/connector for the level sensor
and		
Sublet Code 4	See sublet reimbursement calculation below	Reimbursement for replacing the drained quantity of antifreeze/coolant (bulk container reference BMW P/N 82 14 1 467 704, one gallon container. Do not use this part number for claim submission.)

Labor operation code 17 11 100 is a Main labor operation. If you are using a Main labor code for another repair, use the Plus code labor operation 17 11 550 instead.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the Chassis Number, which consists of the last 7 digits of the Vehicle Identification Number (VIN). Click on the “Search” button, and then enter the applicable flat rate labor operation in the FR code field.

Even though work time labor operation code 17 99 000 ends in “000,” it is not considered a Main labor operation.

NEW Sublet calculation: BMW antifreeze/coolant (1 gallon bulk container reference P/N 82 14 1 467 704) for approximately 1 liter that is needed for this repair (50/50 mixture) at dealer net plus handling. Enter this material cost in sublet and itemize the amount in the claim comment section.

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