


**CCM – “COOLANT LEVEL LOW”**

New information provided by this revision is preceded by this symbol .

**MODEL**

F30 (3 Series Sedan)	330e
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**SITUATION**

Sporadically, while driving in ePower mode, a “Coolant Low” Check Control Message appears, even though coolant is at the specified level.

**CAUSE**

FEM (Front Electronic Module) Control unit software error

**CORRECTION**

Reprogram with ISTA/P 3.59 or higher (I-Level F020-16-07-501 or higher)

**PROCEDURE**

Note: Parts replacement does not correct this situation.

1. Diagnose the vehicle using ISTA/D, working through the corresponding test module.
2. Reprogram and encode the vehicle using ISTA/P 3.59 with I-level F020-16-07-501 or a more recent version.

**Always connect a BMW-approved battery charger / power supply ([SI B04 23 10](#)).**

**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.

<b>Defect Code:</b>	<b>61 38 22 02 00</b>	
<b>Labor Operation:</b>	<b>Labor Allowance:</b>	<b>Description:</b>
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
And:		
61 21 528	Refer to KSD2	Connect an approved battery charger/power supply(indicated in KSD2 as “Charging battery”)

And, as necessary:		
61 00 006	Work time (WT)	Performing vehicle diagnosis – test module
And:		
61 00 730	Refer to KSD2	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.

Refer to KSD2 for the corresponding flat rate unit (FRU) allowances.

Work time labor operation code 61 00 006 is not considered a Main labor operation; however, it does require an individual punch time and an explanation on the repair order and in the claim comments.

### **Vehicle Programming and Coding**

Control module failures that occur during programming:

- Please claim these consequential repairs under the defect code listed in this bulletin and use the applicable KSD2 labor operations.

### **Other Repairs**

Control module failures that occur prior to programming and/or additional work is performed as a result of performing the ISTA diagnostics and related test plans:

- When covered under an applicable limited warranty, claim these repairs using the applicable defect code and labor operations in KSD2.

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