

SB-10044020-3150SI B12 07 12
Engine Electrical SystemsApril 2012
Technical Service**SUBJECT****S65: Engine Coolant Temperature Sensor Is Faulty****MODEL**

E90, E92, E93 M3 with the S65 engine

SITUATION

The engine could enter the emergency program or experience performance and rough idle complaints.

The following fault may also be stored: 2AF9: Coolant temperature sensor

CAUSE

This could be caused by an internal fault of the coolant temperature sensor or a sporadic connection problem with the temperature sensor connector, due to vibration-induced movement.

CORRECTION

Replace the coolant temperature sensor, and install a coolant temperature sensor harness repair kit.

Follow the ISTA D Repair Instruction: 12 51 xxx – Exchanging plug-in contact of coolant temperature sensor (S65).

Note: When the ISTA system message displays: Battery voltage only “XX.XX” V. Please connect charger. Please note the displayed battery voltage reading in the repair order comments section.**PARTS INFORMATION**

Part Number	Description	Quantity
12 51 7 847 971	Repair kit coolant temperature sensor	1
13 62 1 433 076	Coolant temperature sensor	1

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty, and as applicable, any Federal, State or BMW Emissions Warranty or the BMW Certified Pre-Owned Limited Warranty (only applies to BMW vehicles that are still within the BMW CPO coverage period but beyond the BMW New Vehicle/SAV Limited Warranty or Emissions Warranty coverage that applies to the specific repair).

Please see SI B01 02 11 for “Emissions Warranty Coverage” and refer to the “Glossary of Emission Coverage” attachment for more information.

Defect Code: 13 62 02 11 00

Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)

and if necessary, also

61 21 528 Refer to KSD2 Charging battery

and

13 62 531 Refer to KSD2 Replace coolant temperature sensor (after
vehicle diagnosis)

and

12 99 000 WT Work time to install the coolant sensor
harness kit as described in the ISTA/D
repair instruction.

Labor operation code 00 00 006 is a Main labor operation. 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) 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 12 99 000 ends in “000,” as described above, is not considered a Main labor operation.

Work time (WT) labor operation 12 99 000 – requires an individual punch time.

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