



This Service Information bulletin supersedes SI B12 13 11 **dated June 2011**.

MODEL

E60, E61, E85, E86, E90, E91 with the N52 engine (DME MSV70)	Produced from February 2005 until August 2008	E82, E88, E90, E92, E93 with the N51 engine (MSV80.1)	Produced from August 2006 until December 2010
E60, E70, E82, E83, E88, E90, E91, E92, E93 with the N52K engine (DME MSV80)	Produced from June 2006 until December 2010	F10, F25 with the N52T engine (DME MSV90)	
Produced from May 2010 until March 2011	E60, E61, E82, E88, E90, E92, E93 with the N54 and N54T engines (DME MSD80, MSD81)	Produced from June 2006 until March 2011	F01, F02 with the N54 engine (DME MSD87)
Produced from March 2010 until March 2011			

SITUATION

The Service Engine Soon (MIL) lamp is on with either of the following DME faults stored:

- E-Series: 2F99 - ambient temperature sensor, plausibility
- F-Series: 10B008 - ambient temperature sensor, plausibility: signal implausible

The fault could occur if the vehicle is exposed to high temperature fluctuations.

For example:

The vehicle is parked for several hours in a heated garage. The engine is started and then driven outside of the garage during the cold time of year.

CAUSE

DME diagnostic software

CORRECTION

If the fault is stored, proceed as follows based upon the DME's current software or vehicle integration level.

 **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.

E85, E86 with the N52 engine (DME MSV70)

Program the DME with ISTA/P 2.40.0 or a more recent version.

E83 with the N52K engine (DME MSV80)

Program the DME with ISTA/P 2.40.0 or a more recent version.

E70 with the N52K engine (DME MSV80)

Program the vehicle with ISTA/P 2.40.0 to integration level E070-10-12-501 or a more recent version.

E60, E61 with the N52 engine (DME MSV70)

Program the vehicle with ISTA/P 2.40.0 to integration level E060-10-12-500 or a more recent version.

E60 with the N52K engine (DME MSV80)

Program the vehicle with ISTA/P 2.40.0 to integration level E060-10-12-500 or a more recent version.

E60, E61 with the N54 engine (DME MSD80)

Produced from February 2007 until February 2008

Program the vehicle with ISTA/P 2.40.0 to integration level E060-10-12-500 or a more recent version.

E60, E61 with the N54 engine (DME MSD81)

Produced from February 2008 until March 2010

Program the vehicle with ISTA/P 2.40.0 to integration level E060-10-12-500 or a more recent version.

E90, E91 with the N52 engine (DME MSV70)

Program the vehicle with ISTA/P 2.40.0 to integration level E89X-10-12-501 or a more recent version.

E82, E88, E90, E92, E93 with the N51engine (MSV80.1)

Program the vehicle with ISTA/P 2.40.0 to integration level E89X-10-12-501 or a more recent version.

E82, E88, E90, E91, E92, E93 with the N52K engine (DME MSV80)

Program the vehicle with ISTA/P 2.40.0 to integration level E89X-10-12-501 or a more recent version.

E82, E90, E92, E93 with the N54 engine (DME MSD80)

Produced from June 2006 until February 2008

Program the vehicle with ISTA/P 2.40.0 to integration level E89X-10-12-501 or a more recent version.

E82, E88, E90, E92, E93 with the N54 and N54T engines (DME MSD81)

Produced from February 2008 until March 2011

Program the vehicle with ISTA/P 2.41.0 to integration level E89X-11-03-501 or a more recent version.

F10 with the N52T engine (DME MSV90)

Program the vehicle with ISTA/P 2.41.0 to integration level F010-11-03-502 or a more recent version.

F25 with the N52T engine (DME MSV90)

Program the vehicle with ISTA/P 2.41.0 to integration level F025-11-03-502 or a more recent version.

F01, F02 with the N54 engine (DME MSD87):

Program the vehicle with ISTA/P 2.41.0 to integration level F001-11-03-502 or a more recent version.

If the fault were to occur on a vehicle already at the specified integration level or higher, perform diagnosis using the most current version of ISTA/D.

Note:

E89 with N52K, N54 or N54T engines are not affected.

E71 with the N54 engine is also not affected.

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

For information on programming and coding with ISTA/P, refer to CenterNet / Aftersales Portal / Service / Workshop Technology / Vehicle Programming.

WARRANTY INFORMATION

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

Defect Code:	12 51 05 81 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		

E83 and E85

12 14 715	Refer to KSD2	Programming/encoding DME data status
or		

E86

12 14 710	Refer to KSD2	Programming/encoding DME data status
or		

E60, E61, E82, E88, E90, E91, E92, E93 and E70

61 00 710	Refer to KSD2	Programming/encoding control unit(s), not including the CAS
61 00 720	Refer to KSD2	Programming/encoding control unit(s), including the CAS

F01, F02, F10 and F25

61 00 730	Refer to KSD2	Programming/encoding control unit(s)
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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 the KSD2 for the corresponding flat rate unit (FRU) allowance. Enter the VIN and click on the “Search” button, enter the applicable flat rate labor operation in the FR code field.

If a control module fails to program correctly or initializations are required, the additional work must be claimed with separate labor operations under the defect code listed above, refer to KSD2.