



This Service Information bulletin supersedes SI B13 03 14 **dated July 2014**.

NEW designates changes to this revision

SUBJECT

Service Engine Soon Lamp (MIL) On with NOx Sensor Faults Stored

MODEL

F25 (X3 xDrive 28d)

F30 (3 Series Sedan 328d)

F31 (3 Series Sport Wagon 328d)

With the N47T engine produced to 7/2014

F02 (7 Series Sedan 740Ld)

F10 (5 Series Sedan 535d)

F15 (X5 xDrive 35d)

With the N57T engine produced to 7/2014

SITUATION

The Service Engine Soon lamp (MIL) is on with either of the following nitrogen oxide (NOx) sensor faults stored:

- 2B6200 - NOx sensor before DeNOx catalytic converter, plausibility: Sensor self-diagnosis of sensitivity
- 2B6300 - NOx sensor After DeNOx catalytic converter, plausibility: Sensor self-diagnosis of sensitivity

These stored faults would not cause a problem with engine performance.

This NOx self-diagnostic routine is performed only after the engine has been shut off.

In some situations, the diagnostic function of both NOx sensors can be too sensitive when sampling the residual exhaust gases, leading to an erroneous fault being set.

CAUSE

Unfavorable DDE software diagnostics

CORRECTION

NEW Using the latest version of ISTA, complete the recommended test plans to identify if the sensor is defective or not.

NEW Program the vehicle using ISTA/P 2.53.2 or a more recent version.

NEW F30, F31	Target integration level: F020-14-07-505 or higher
	Target integration level: F001-14-07-505 or higher

NEW F02	higher
NEW F10	Target integration level: F010-14-07-505 or higher
NEW F15, F25	Target integration level: F025-14-07-505 or higher

Note that ISTA/P 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 ([SI B04 23 10](#)).

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

If after programming, any of the faults listed above continue to be stored following a few driving cycles, continue diagnosis with ISTA and replace the sensor.

WARRANTY INFORMATION

Covered under the terms of the BMW New Vehicle/SAV Limited Warranty or the BMW Certified Pre-Owned Limited Warranty.

Defect Code:	11 78 07 15 00	NOx sensor before SCR catalytic converter
	or	
	11 78 08 15 00	NOx sensor after SCR catalytic converter
Labor Operation:	Labor Allowance:	Description:
00 00 006	Refer to KSD2	Performing “vehicle test” (with vehicle diagnosis system – checking faults)
And:		
NEW 61 21 528	Refer to KSD2	Connect an approved battery charger/power supply (indicated in KSD2 as “Charging battery”)
And, as necessary:		
NEW 61 00 006	Work time (WT)	Performing vehicle diagnosis – test module
And:		
NEW 61 00 730	Refer to KSD2	Programming / encoding control unit(s)

NEW 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.

NEW 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.

NEW Even though work time labor operation code 61 00 006 ends in “006,” it is not considered a Main labor operation.

NEW Work time (WT) labor operation 61 00 006 requires an individual punch time.

NEW If a control module or component was working properly and/or had no related faults stored prior to vehicle programming and it fails to program correctly or requires initialization, this additional work must be claimed with separate labor operations under the defect code listed above; refer to KSD2.

NEW Repairs to control modules and components with pre-existing conditions are not eligible to be claimed under the defect code listed in this bulletin.

NEW Other Repairs

NEW If performing ISTA diagnostics and related test plans results in other eligible and covered work, claim this work with the applicable defect code and/or labor operations listed in KSD2.

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