



SUBJECT**N51, N52K and N52T: Idle Fluctuation During Engine Warm-up Phase****MODEL**

E82, E88, E89, E90, E91, E92, E93 with either the N51 or N52K engine

Produced from June 2006 to November 2012

F10 and F25 with the N52T engine

Produced from May 2009 to November 2012

SITUATION

After a cold engine start, the idle speed may be unstable or start fluctuating up and down slightly while the vehicle is stopped.

On vehicles with automatic transmissions, roughness or shuddering may be felt during this warm-up period when diving away slowly in “D” or in “R” without depressing the accelerator pedal.

No relevant errors are stored in the DME fault code memory, and these symptoms are no longer present once the engine is at operating temperature (> 90°C).

CAUSE

Unfavorable DME software

CORRECTION

Perform a vehicle test.

Follow the symptom test plan using only ISTA/D 2.34 and higher.

This test plan can be found using the following path:

“Function Structure / 01 Drive / Engine Electronics, MSV / [!} Current fault patterns / Engine speed variations, vehicle jerks

ABL – W1214_WAS87 – Speed fluctuations / vehicle jerks”.

Select the appropriate symptom from the list and follow the test plan recommendation.

Improved DME software was introduced with the following integration levels in ISTA/P 2.48.1:

E89x-12-07-508 for the E Series

F010-12-11-502 for the F10

F025-12-07-508 for the F25

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.

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. This documentation is not necessary when part of an approved Technical Service repair procedure; the battery charger is required to be attached before performing the Vehicle Test.

WARRANTY INFORMATION

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

Specific eligible repairs **may** also be covered by the terms of the Federal, State or BMW Emissions Warranty.

To determine if any **applicable** Federal, State or BMW Emissions Warranty coverage applies **prior** to performing repairs, please see SI B01 02 11 for “Emissions Warranty Coverage” and refer to the “Glossary of Emission Coverage” attachment for more information.

The BMW Certified Pre-Owned Limited Warranty applies to BMW CPO vehicles that are still within the BMW Certified Pre-Owned Limited Warranty, but beyond Emissions Warranty coverage that applies.

Defect Code: **10 32 01 47 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

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.

and

E82, E88, E90, E91, E92 and E93

Labor Operation: **Labor Allowance:** **Description:**

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

or

61 00 720 Refer to KSD2 Programming / encoding control unit(s) (with CAS)

or

F10 and F25

Labor Operation:	Labor Allowance:	Description:
61 00 730	Refer to KSD2	Programming/encoding control unit(s)

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.

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.

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