

**SUBJECT****N55: Slight Surging at Constant Speeds when Accelerating Very Lightly****MODEL**

F06 (6 Series Grand Coupe)

F07 (5 Series Gran Turismo)

F10 (5 Series Sedan)

F12 (6 Series Convertible)

F13 (6 Series Coupe)

F15 (X5)

F16 (X6)

F22 (2 Series Coupe)

F23 (2 Series Convertible)

F25 (X3)

F26 (X4)

F30 (3 Series Sedan)

F32 (4 Series Coupe)

F33 (4 Series Convertible)

F34 (4 Series Gran Turismo)

F36 (4 Series Gran Coupe)

Produced from 7/2013 to 3/2015

With the N55 engine and an electrically actuated turbocharger waste gate

SITUATION

The vehicle shudders or surges slightly while driving at constant speeds and applying the accelerator very lightly.

This symptom is most easily reproduced under light loads when the current fuel consumption is approximately 34-48 miles per gallon.

The current fuel consumption can be selected and monitored in the instrument cluster while driving (the “fuel consumption, current” option is set to active in the settings menu).

No relevant fault will be stored in the DME memory.

CAUSE

DME software; the fuel injection rate under these conditions is too close to the minimum calculated threshold.

CORRECTION

Perform diagnosis using the latest version of ISTA.

If the symptom can be duplicated by driving in the manner described, program the vehicle using the latest version of ISTA/P (3.55.0 or higher).

F Series	Target Integration level
F07	F001-15-03-501 or higher
F06, F10, F12	F010-15-03-501 of higher
F15, F16, F25, F26	F025-15-03-501 of higher
F22, F23, F30, F32, F33, F34, F36	F020-15-03-501 of 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.

WARRANTY INFORMATION

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

Defect Code:	10 42 31 59 00	
Labor Operation:	Labor Allowance:	Description:
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 KSD 2 as Charging battery)
And:		
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 vehicle control module or component was working properly and/or had no related faults stored prior to vehicle programming and it fails to program correctly and/or requires initialization, this additional work must be claimed with separate labor operations under the defect code listed above; refer to KSD2.

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

Other Repairs

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

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