

**SUBJECT****Engine Idle Speed Fluctuates Intermittently, when Shifting into Gear****MODEL**

E70 (X5)

E71 (X6)

With the N63 engine without option 2VA (Adaptive Drive)

SITUATION

While stationary, the engine idle speed could fluctuate (once or a few times) after engaging either “Drive” or “Reverse gear. It is possible that the engine could also stall.

This situation is intermittent, difficult to reproduce, and would not cause a fault to be stored.

However, it is more likely to occur right after restarting a hot engine, A/C on, steering turned, and at ambient temperatures above 70° F.

CAUSE

DME software error (idle speed controller set point)

PROCEDURE

Program the vehicle using the latest version of ISTA/P (3.57.0 or higher).

Target integration level: E070-15-11-500 or higher

Note:**An IRAP solution is available until the release of ISTA/P 3.57.0 (late October 2015).**

- The vehicle must already be at the latest software level.
- Submit a PuMA case entitled “**IRAP for E7x N63 idle fluctuation**” to flash the DME to the E070-15-11-500 integration level.

After programming the engine idle speed is set at approximately 680 rpm, in gear with the A/C on at full operating temperature, rather than 800 rpm which would have been observed beforehand.

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 Limited Warranty for Passenger Cars and Light Trucks or the BMW Certified Pre-Owned Program.

This repair is also covered by the terms of the Federal and/or State-specific Emissions Warranty (dependent on the vehicle's model year, state of registration and its inclusion on the "model-specific" list of covered components) that applies to the BMW model(s) listed.

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

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 00 710	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)

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) allowances

Vehicle Programming and Encoding

If a control module was working properly and it fails to program correctly or requires initialization, please claim this additional work with the applicable KSD2 labor operations under the defect code listed above.

The diagnosis and repair of vehicles “arriving” with failed control modules or stored faults which will cause them to fail during programming cannot be claimed under the defect code listed in this bulletin.

Other Repairs

If other eligible and covered work is performed “prior” to programming and coding the vehicle, claim this work with the applicable defect code and labor operations listed in KSD2.

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