



SIB 12 01 23

2023-04-03

JOLT DURING LIGHT ACCELERATION AFTER LONG IDLE PERIOD

<input checked="" type="checkbox"/>	THIS REPAIR IS MOBILE FRIENDLY
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MODEL

E-Series	Model Description	Production Date	Affected Engine
G01	X3 Sports Activity Vehicle	All	B46D
G02	X4 Sports Activity Coupe	All	B46D
G20	3 Series Sedan	All	B46D
G29	Z4 Roadster	All	B46D

SITUATION

In hot ambient conditions, if the engine was running for a prolonged time while the vehicle is stationary, a jolt may be experienced while lightly accelerating. This sensation may also be described as a single, momentary hesitation.

This situation most frequently occurs in the following conditions:

- Engine running while vehicle remains stationary for over an hour
- Ambient temperatures above 85°F (30°C)
- Light acceleration (approximately 10% accelerator pedal angle)
- This situation occurs while the vehicle is in motion and is not observed when transitioning from a stop

There are no fault codes associated with this situation.

CAUSE

An unfavorable calibration of the Digital Motor Electronics (DME) software.

CORRECTION

Program the vehicle with ISTA Next to the target I-Level shown below.

PROCEDURE

Determine the vehicle's current I-level by either using AIR or the ISPA NEXT/AWP (Aftersales Workplace) applications.

For G01 and G02 vehicles:

Program the vehicle using **ISTA 4.38.1x** or higher (released **October 2022**).

Model	Target Integration level
G01 (X3 Sports Activity Vehicle)	S15A-22-11-520 or higher
G02 (X4 Sports Activity Coupe)	

For G20 and G29 vehicles:

Program the vehicle using **ISTA 4.38.2x** or higher (released **November 2022**).

Model	Target Integration level
G20 (3 Series Sedan)	S18A-22-11-527 or higher
G29 (Z4 Roadster)	

Note that ISTA 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](#)) when performing programming.

For information on programming and coding with ISTA, refer to TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

CLAIM INFORMATION

During this workshop visit, the affected vehicle may also show one or more programming and encoding Technical Campaign repairs open, the programming and encoding procedure may only be invoiced one time.

Select one of these open Technical Campaigns to perform and submit for updating the vehicle to the required I-level or higher.

Please be sure to also perform any additional before and/or after work (including attaching labels) as required by the open campaigns on the vehicle. Close any other open programming and encoding Campaign repairs as outlined in the corresponding Service Information Bulletin.

Only when the above does not apply, the BMW software solution is then:

Covered under the terms of the BMW New Vehicle Limited Warranty for Passenger Cars and Light Trucks, or the BMW Certified Pre-Owned Program as described below.

Defect Code:	1042043800	Constant-speed driving with hot engine Shaking
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Refer to AIR for the corresponding flat rate unit (FRU) allowances.

Labor Operation	Description	Labor Allowance
00 00 006	Carrying out vehicle test (Main work)	Refer to AIR
Or:		
00 00 556	Carrying out vehicle test (Plus work)	Refer to AIR
And:		
61 21 528	Supporting voltage of the vehicle electrical system / recharging vehicle battery	Refer to AIR
And, as needed:		
61 00 006*	Carrying out vehicle diagnosis, ABL (Work time)	WT
Or:		
00 58 500*	Diagnosis Worktime Flat Rate	2 FRU
And:		
61 00 730	Program/encode control unit(s), includes deleting the fault memory	Refer to AIR

If you are using a Main labor code for another repair, use the Plus code labor operation 00 00 556 instead of 00 00 006, or exclude (including 61 21 528) when the Vehicle Test is included in another repair.

Work time labor operation codes 61 00 006 and 00 58 500 are not considered Main labor operations.

*Based on which one applies to your center, please refer to **SI B01 01 20** or **B01 07 20** for the applicable procedure for documenting, claiming, and explaining, on the RO and in the claim comments, your diagnosis work time (WT), job/repair work time (WT), and the vehicle repairs your center performed, unless otherwise required by State law.

FEEDBACK REGARDING THIS BULLETIN

Technical Feedback	To submit feedback for the technical topic of this bulletin: Submit your feedback in the rating box at the top of this bulletin
Warranty Feedback	To submit feedback for the CLAIMS section of this bulletin: Submit an IDS

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	Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department

