



SIB 12 21 17

2020-05-12

ROUGH RUNNING IMMEDIATELY AFTER A COLD START

This Service Information Bulletin (Revision 1) replaces SI B12 27 17 **dated October 2017**.

What's New (Specific text highlighted):

- Title changed
- Model list updated, F39 added
- Situation completely revised
- Correction updated
- Procedure updated
- Warranty Information completely revised

MODEL

| E-Series | Model Description | Production Date | Affected Engine |
|----------|----------------------------|-----------------|-----------------|
| F39 | X2 Sports Activity Coupe | All | B46O |
| F48 | X1 Sports Activity Vehicle | All | B46O |

SITUATION

Immediately after a cold start, the engine may run roughly during the catalyst heating period.

Depending on the severity of this situation, the malfunction indicator lamp (MIL) can be illuminated and the following fault code may be set:

| Fault code | Control module | Fault code text |
|------------|----------------|--|
| 151001 | DME | Ignition angle adjustment while idle speed, cold start: ignition angle early |

In some circumstances, if the vehicle is switched into a drive gear (R or D) when the RPM are low, the engine may switch off. Should this occur, the engine may be restarted normally.

CAUSE

Software error in the DME.

CORRECTION

Upgrade the vehicle software using **ISTA Next**.

PROCEDURE

For conditions that are similar to the situation described:

1. Perform diagnosis with the latest version of ISTA.
2. Program the vehicle using **ISTA Next** to appropriate level shown below:

For 2-wheel drive vehicles (sDrive):

| Model | Target integration level |
|----------------------------------|--------------------------|
| F48 (X1 Sports Activity Vehicle) | F056-20-03-510 or higher |
| F29 (X2 Sports Activity Coupe) | |

For all wheel drive vehicles (xDrive):

| Model | Target integration level |
|----------------------------------|--------------------------|
| F48 (X1 Sports Activity Vehicle) | F056-20-03-540 or higher |
| F29 (X2 Sports Activity Coupe) | |

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 DealerSpeed / TIS / Technical Documentation / Diagnostics and Programming / Programming Documentation.

WARRANTY 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.

Update the vehicle to the required I-level or higher by performing and submitting for one of the open Technical Campaigns instead. Please be sure to also perform any additional work (before and/or after) the campaign repairs require and/or close the remaining open programming and encoding Technical Campaign repairs as outlined in the corresponding Service Information Bulletin.

Only if the above situation 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.

This repair may also have coverage under the terms of the Federal Emission Warranty, and when applicable, concurrently by the 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).

| | | |
|------------------------|---|------------------------|
| Defect Code: | 1042315900 | |
| Labor Operation | Description | Labor Allowance |
| 00 00 006 | Performing vehicle test (with vehicle diagnosis system – checking faults) (Main work) | Refer to AIR |
| Or: | | |
| 00 00 556 | Performing vehicle test (with vehicle diagnosis system – checking faults) (Plus work) | Refer to AIR |
| And: | | |
| 61 21 528 | Connect an approved battery charger/power supply (indicated in AIR as Charging battery) | Refer to AIR |
| And: | | |
| 61 00 730 | Programming/encoding control unit(s) | 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. Refer to AIR for the corresponding flat rate unit (FRU) allowances.

Programming and Encoding - Vehicle Control Units (RO and Claim Comments Required)

The programming procedure automatically reprograms and encodes all vehicle control modules which do not have the latest software I-level. If one or more control module failures occur during this programming procedure:

- Please claim this consequential control module-related repair work (including performing the IRAP Control Unit Recovery procedure first as required, refer to the SIB in AIR) under the defect code listed in this bulletin with the applicable AIR labor operations.

Please explain this additional work (The why and what) on the repair order and in the claim comments section

For control module failures that occurred prior to performing this programming procedure:

- When covered under an applicable limited warranty, claim the applicable test plan and the corresponding control module-related repair work using the applicable defect code and labor operations in AIR (including diagnosis with separate punch times).

Other Repairs

If other eligible and covered work is performed as a result of performing the ISTA diagnostics and related test plans, claim this work with the applicable defect code and the labor operations that are listed in AIR (including diagnosis with separate punch times).