



SIM 61 02 20

2020-03-17

## CHECK CONTROL MESSAGES FOR BRAKE, SUSPENSION AND AIR BAG SYSTEM MALFUNCTION

### MODEL

E-Series	Model Description	Production Date
F54	MINI Clubman	Start of production
F55	MINI Hardtop 4 Door	
F56	MINI Hardtop 2 Door	
F57	MINI Convertible	
F60	MINI Countryman	

### SITUATION

Multiple check control messages (CCM) can display for brake, suspension and air bag system malfunction. The customer may also complain about any of the following:

- Engine can no longer be switched off
- Drive position (D) cannot be engaged on the gear selector switch (GWS)
- Reduction of steering assist

After an engine emergency shut-off (either a prolonged, long press; or 3 consecutive short presses of the Start/Stop button) and the vehicle going to sleep (identifiable by the lighting of the "Start/Stop button"), everything resumes normal functionality and the CCM messages no longer appear.

When performing a vehicle test, the following diagnostic fault codes are stored in the BDC:

- CD0420 – “error of Flexray controller on Flexray bus”
- D91FF9 – “Flexray message, data drivetrain 2 (DT\_PT\_2): Timeout”
  - This message may be read out in the ZGM control unit or Body Domain Controller

### CAUSE

Software in the Body Domain Control unit (BDC).

### PROCEDURE

1. Perform diagnosis with the latest version of ISTA.
2. Is the vehicle's I-level older (lower) than **F056-20-03-530**?

**Yes:** Proceed to next step

**No:** Work through the corresponding test modules

3. Program the vehicle using ISTA 4.22.2x or higher (estimated release mid-March 2020, pending verification).

Model	Target integration level
<b>F54</b> <b>F55</b>	<b>F056-20-03-530</b> or higher

F56	
F57	
F60	

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 M04 08 09).**

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 MINI software solution is then:

Covered under the terms of the MINI New Passenger Car Limited Warranty or the MINI NEXT/MINI Certified Pre-Owned Limited Warranty as described below.

<b>Defect Code:</b>	<b>6138270200</b>	<b>BDC Body Domain Controller software error / internal equipment fault</b>
<b>Labor Operation</b>	<b>Description</b>	<b>Labor Allowance</b>
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).