SIB 72 03 21   2021-05-12
M5 CS PRECRASH SAFETY BELT TENSIONING TRIGGERS
PREMATURELY IN CERTAIN SITUATIONS

MODEL

E-Series	Model Description	Production Date	Affected Option Code
F90	M5 CS Sedan	SOP (March 2021)	Vehicles equipped with option SA5AL Active Protection

SITUATION

In certain situations, when the vehicle is being driven more dynamically and repeated heavy braking may be required, the Precrash Safety Belt tightening application may activate even though there is no presence of a hazardous situation.

CAUSE

The passive safety application 'Precrash' in the Airbag Control unit (ACSM - advanced crash- and safety management) is prematurely triggered by the heavy brake application event.

CORRECTION

Encode the ACSM using ISTA 4.29.2x or higher.
- **This software will be released May 12, 2021**

PROCEDURE

1. Determine the vehicle's current I-level by either using AIR or the ISPA NEXT application. If needed, use the latest ISTA to work through test modules.

2. Is the current vehicle integration level:

Model	Integration level
F90	**Lower than S15A-21-03-550**

   YES: Proceed to Step 3
   NO: Further diagnosis with ISTA is needed. Work thru the corresponding test module if necessary.

3. Program the vehicle using ISTA 4.29.2x or higher.

Model	Target integration level
F90	**S15A-21-03-550** or higher

Model	Target integration level
F90	**S15A-21-03-550** or higher

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

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PARTS INFORMATION

Parts exchange will not provide a solution.

WARRANTY INFORMATION

During this workshop visit, the affected vehicle may 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's software to the required I-level or higher.

Please be sure to perform any additional before and/or after work (including attaching labels) as required by the open campaigns on the vehicle. Close any remaining open programming and encoding 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.

Defect Code:	7211077900	Belt tensioner/belt buckle tensioner incorrect connection /contact	

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	Support voltage of the vehicle electrical system / recharge vehicle electrical system 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)

This procedure automatically reprograms and encodes any vehicle control modules that do not have the latest software I-level.

If one or more control modules fail during the reprogramming procedure, claim the required consequential repair work procedures to address this issue (including performing the IRAP Control Unit Recovery first as required, refer to the SIB in AIR) under the Defect Code in this bulletin with the labor operations in AIR that apply.

Please explain the additional work procedures that were performed (The why and the what) on the repair order and in the claim comments.

For covered repairs that address control module failures that occurred prior to performing this reprogramming procedure, claim this work with the Defect Code and labor operations (including diagnosis) in AIR that apply.

Based on which applies to your center, please refer to **SI B01 01 20 or B01 07 20** for claiming your diagnosis work time, job/repair work time, and for the RO/claim repair and work time explanation procedures

QUESTIONS REGARDING THIS BULLETIN

Technical inquiries	Submit feedback at the top of this bulletin
Warranty inquiries	Please contact the Warranty department by either using the Live Chat that's available in the Warranty Documentation Portal or through IDS by selecting Coverage, Policy, Coding Questions and Mileage Corrections
Parts inquiries	Submit an IDS ticket to the Parts Department

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