SIB 12 25 19   2022-12-07
TRANSMISSION INTERMITTENTLY GOES INTO "P" OR "N" AFTER MSA
ENGINE START

This Service Information Bulletin (Revision 1) replaces SI B12 25 19 **dated July 2019.**

What's New:
- Models added
- Correction updated
- Procedure updated to include the added models

MODEL

G05 (X5 xDrive 50i Sports Activity Vehicle)	G07 (X7 xDrive 50i SAV)	G12 (750i xDrive Sedan) as of 01/2019 with the N63B	G14 (M850i xDrive Convertible)
G15 (M850i xDrive Coupe)	F22 (2 Series Coupe) with the B46O or B58M engine	F23 (2 Series Convertible) with the B46O or B58M engine	F30(3 Series Sedan) with the B46O or B58M engine
F31 (3 Series Sports Wagon) with the B46O engine	F32 (4 Series Coupe) with the B46O or B58M engine	F33 (4 Series Convertible) with the B46O or B58M engine	F34 (3 Series Gran Turismo) with the B46O or B58M engine
F36 (4 Series Gran Coupe) with the B46O or B58M engine			

SITUATION

After an automatic engine start (MSA start), the transmission intermittently goes into the Park "P" or Neutral "N" position without any customer influence.

This problem can be sporadic, difficult to reproduce, and no relevant faults are stored.

Hint: Refer to SI B12 01 13 for a similar situation on "F" series vehicles equipped with the N20 or N55 engine.

CAUSE

An error in the digital motor electronics (DME) software.

CORRECTION

Update the DME software using the latest version of ISTA to the corresponding I-levels below.

PROCEDURE

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

1.   Connect the vehicle to a BMW approved battery charger (Refer to SI B04 23 10).

2.   Program the vehicle using **ISTA Next** to the appropriate I level shown below:

Model:	Target I level:
G05 (X5 M50i, X5 xDrive 50i)	
G07 (X7 M50i, X7 xDrive 50i)	**S18A-19-03-560** or higher
G14 (M850i xDrive Convertible)	
G15 (M850i xDrive Coupe)	

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Model:	Target I level:
G12 (750i xDrive)	**S15A-19-03-560** or higher

For vehicles with the **B46O:**

Model:	Target I level:
F22 (2 Series Coupe)	
F23 (2 Series Convertible)	
F30 (3 Series Sedan)	
F31 (3 Series Sports Wagon)	**F020-21-11-500** or higher
F32 (4 Series Coupe)	
F33 (4 Series Convertible)	
F34 (3 Series Gran Turismo)	
F36 (4 Series Gran Coupe)	

For vehicles with the **B58M:**

Model:	Target I level:
F22 (2 Series Coupe)	
F23 (2 Series Convertible)	
F30 (3 Series Sedan)	
F31 (3 Series Sports Wagon)	**F020-20-11-500** or higher
F32 (4 Series Coupe)	
F33 (4 Series Convertible)	
F34 (3 Series Gran Turismo)	
F36 (4 Series Gran Coupe)	

Note: ISTA will automatically reprogram and code all programmable control modules that do not have the latest software.

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

CLAIM 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, or the BMW Certified Pre-Owned Program as described below.

Defect Code:	**1032034700**	**Idle when selecting/changing drive position with hot combustion engine Drop in engine speed**

Refer to AIR for the corresponding flat rate unit (FRU) allowances.

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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, as necessary:		
61 00 006*	Performing vehicle diagnosis – test module (Work time)	WT
Or		
00 58 500*	Diagnosis Worktime Flat Rate (See below)	2 FRU
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, 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 a 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.

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 the diagnosis that applies*) in AIR that apply.

FEEDBACK REGARDING THIS BULLETIN

Technical Feedback	To submit feedback for the technical topics 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 ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal
Parts Feedback	To submit feedback for the PARTS section of this bulletin: Submit an IDS ticket to the Parts Department

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