



SIB 66 03 25

2025-07-14

PARKING ASSISTANCE LIMITED CHECK CONTROL MESSAGE DUE TO PDC SENSORS

<input checked="" type="checkbox"/>	THIS REPAIR IS MOBILE FRIENDLY
<input checked="" type="checkbox"/>	THIS REPAIR IS REMOTE SOFTWARE UPGRADE (RSU) FRIENDLY

This Service Information Bulletin (Revision 3) replaces SI B66 03 25 **dated May 22nd, 2025.**

What's New:

- Procedure section updated ISTA version and estimated release date change
- Claim information section added
- Mobile repair is friendly added
- Remote software upgrade friendly added
- Feedback section updated with warranty

MODEL

F95 (X5 M Sports Activity Vehicle)	F96 (X6 M Sports Activity Coupe)	G05 (X5 Sports Activity Vehicle)	G06 (X6 Sports Activity Coupe)
G07 (X7 Sports Activity Vehicle)	G09 (BMW XM Sport Activity Vehicle)	G60 (5 Series Sedan)	G70 (7 Series Sedan)
i20 (iX Sports Activity Vehicle)	U10 (X2 Sports Activity Coupe)	U11 (X1 Sports Activity Vehicle)	

SITUATION

Check control message is displayed indicating the parking assistance systems have limited functionality due to errors detected within PDC sensors. The warning indicates parking assistance features have limited functionality while the errors continue to be detected. Following faults may be stored

- **8031BA** Ultrasonic Sensor Rear Side Left Software Error
- **8031CO** Ultrasonic Sensor Rear outer left Software error
- **8031AE** Ultrasonic Sensor Rear Outer Right Software Error
- **8031A8** Ultrasonic Sensor Rear Side Right Software Error
- **8031B4** Ultrasonic Sensor Rear Middle Right Software Error
- **8031C6** Ultrasonic Sensor Rear Middle Left Software Error

CAUSE

The parking assistance limited check control message can be related to environmental influence, component degradation, or unfavorable UCAP module software



Example photo of check control message Displayed for reduced parking assistance.



Example photo of camera failure message.

CORRECTION

If the root cause is not determined to be related to environmental influence (specific locations, roads, etc..), or component failures then reprogramming of UCAP module with require I-level.

PROCEDURE

Consult with the customer to determine if environmental influence could be factor for Check Control Message

- Can the concern be duplicated in same physical locations?
- Does the concern occur on same roads traveled?
- Does the concern occur during same time of day?

After consulting with customer and validating a pattern exist suggesting environmental influence, road test another vehicle, if possible, verify if the concern can be duplicated on both vehicles.

After ruling out all patterns or indicators of environmental influence with customer

- Proceed to continue with standard diagnosis with all applicable test plans generated to rule out components (PDC Sensors, wires etc.) failures

If test plan **ABL-DIT-AT6621_20_USS_UCAP** provides results to program the vehicle with 25-07-500

Program the vehicle to the I-level **25-07-530** or more recent using ISTA 4.54.3x (**estimated release end of July 2025**, pending verification) or **higher**

- Connect the battery charger to the vehicle
- Connect the programming system to the vehicle (ISTA 4)
- Determine measures plan
- Accept and fully work through the measures plan with the control units to be programmed/encoded and enabled
- Follow the rework list
- **Depending on the rework list, carry out a vehicle test and delete the fault memory if needed**

After the programming has been fully completed, check functionality of the system.

Note: 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).

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

CLAIM INFORMATION

Vehicle Programming and Encoding

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 instead to perform and submit for updating the vehicle to the required I-level, or higher when applicable (Includes labor operation codes 00 00 006/556, 61 21 528 and 61 00 730).

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 remaining 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.

Repair Code:	6655030200	Control unit, Autonomous Parking Camera Software error / internal device fault
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Obtain the flat rate unit (FRU) allowances for the following that applies.

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

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 them (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.

Vehicle Programming and Encoding – Additional Work (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 Repair Code in this bulletin together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

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 applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

(*) 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.

Other Repairs

If other eligible and covered work is performed because of performing the ISTA diagnostics, related test plans, and/or other approved diagnosis procedures, claim this work with the applicable Repair Code listed in AIR together with the corresponding labor operation codes and their flat rate unit (FRU) allowance(s), including the diagnosis* that applies.

BMW Group's AIR Application Resource for Flat Rate Labor Operation Codes

To obtain the corresponding flat rate unit (FRU) allowance information from the BMW Group AIR application resource, start by entering the the Chassis Number (last seven (7) characters of the VIN), and click on the "Search" icon. If the "Vehicle Selection" window displays two or more model possible vehicle choices, select the applicable Model, or enter the full VIN (17 characters) instead to proceed. Click on the "Flat Rate Units" button and enter a flat rate labor operation code number "without spaces" in the field to the right, click on the "Search" icon to display the corresponding listing of "Flat rate unit group details" that are available and their corresponding FRU allowances.

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 ticket to the Warranty Department, or use the chat available in the Warranty Documentation Portal

