



SIB 66 03 25

2025-03-26

PARKING ASSISTANCE LIMITED CHECK CONTROL MESSAGE DUE TO PDC SENSORS

<input type="checkbox"/>	THIS REPAIR IS MOBILE FRIENDLY
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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)	

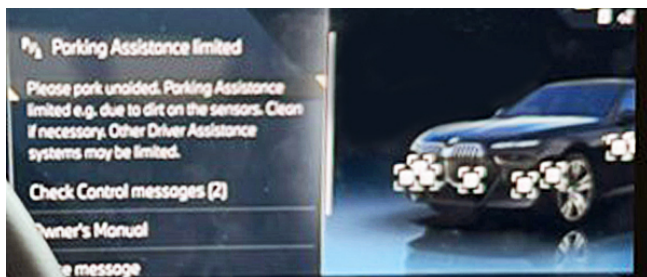
SITUATION

A check control message is displayed, indicating that 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
- **8031CD** Ultrasonic Sensor Voltage Supply Sensors Back: Short Circuit
- **8031CC** Ultrasonic Sensor Voltage Supply Front: Short Circuit
- **8031CA** Ultrasonic Sensors Front Extraneous Noise

CAUSE

The parking assistance limited check control message can be related to environmental influence, component degradation, or unfavorable UCAP (ultrasonic camera automated parking) module software.



Example of Check Control message displayed.

CORRECTION

If the root cause is not determined to be related to environmental influence (specific locations, roads, etc..), or component failures, reprogram the UCAP module with the required I-level **25-07-510** or higher.

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?

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- Does the concern occur during same time of day?

After consulting with the customer and validating that a pattern exists 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 the 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, program the vehicle with 25-07-500.

Program the vehicle to the I-level **25-07-510** or higher using ISTA 4.54.1x (**estimated release in June 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 the 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.

FEEDBACK REGARDING THIS BULLETIN

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