



Technical Service Bulletin

91 Parking aid sporadically does not work, DTC B107BF0 or B10FCF0 stored in the driver assist systems

91 24 13 2058769/7 May 10, 2024. Supersedes Technical Service Bulletin Group 91 number 23-81 dated March 17, 2023 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7, A8, Q7, and Q8	2019 - 2025	All	Not Applicable
e-tron	2019 2021 - 2023		
A6 allroad, S6, S7, S8, SQ7, SQ8, and RS Q8	2020 - 2025		
e-tron Sportback	2020 - 2023		
A8 e quattro	2020 - 2021		
RS 6 Avant, and RS 7	2021 - 2025		
A7 e quattro	2021 - 2022		
e-tron GT, and RS e-tron GT	2022 - 2024		
Q8 e-tron, Q8 Sportback e-tron, SQ8 e-tron, and SQ8 e-tron Sportback	2024 - 2025		

Condition

REVISION HISTORY		
Revision	Date	Purpose
7	-	Revised header (added Model Years) <i>Revised Condition</i> (Updated warning message verbiage)
6	03/17/2023	Revised header (added Model Years) Revised Warranty (Removed warranty table, TSB is a tech tip)



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5	11/17/2021	Revised header (Added Model)
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Customer states:

- The customer states there is an intermittent or static warning message for the parking aid or maneuver assistant shown in the instrument cluster.

This message may be differ based on the software level in the Driver assist system module J1121 (address word 00A5)

SW 0257/0259 in the driver assist module J1121

- Front/rear parking aid fault. Obstacles cannot be detected.

SW 0290 or higher in the driver assist module J1121

- Front/rear parking aid: Sensor view restricted due to surroundings: Obstacles not detectable.
- Maneuver assist fault: Please contact workshop.

Workshop findings:

- The message is reproducible.

One of the following DTCs are stored in the control module for driver assist systems, J1121 (address word 00A5):

- **DTC B107BF0** (Rear parking aid sender, malfunction because of environment influences) with symptom code 233479 or 233473.

Or

- **DTC B10FCF0** (Front parking aid sender, malfunction because of environment influences) with symptom code 233523 or 233472.

Technical Background

The new 6th generation ultrasound parking aid sensors are fitted for the first time at the introduction of the 2019 A8 (type 4N).

Within the limits of this new system, there is the ability to detect problems due to external influence such as dirt, ice, and external ultrasound signals.

When the system detects such problems, the system is made temporarily unavailable to prevent false warnings to the driver. When this occurs, a message is displayed to the driver in the instrument cluster.

Below are examples based on the symptom code found with DTC B107BF0 or B10FCF0:



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- **Symptom 233479/233523:** Temporary partial availability of the system because of environmental influences (e.g., external ultrasound signal, street sweeper, construction equipment, etc.).
- **Symptom 233473/233472:** Temporary partial availability of the system because of environmental influences (e.g., dirt/ice).

Production Solution

Not applicable.

Service

Perform the following checks on the respective ultrasound sensors (depending on DTC):

- Check for dirt, ice, foreign objects, stickers, and a properly fit license plate.
- Check for damage on the bumper, air intake grille, and underbody which indicates an impact during parking.
- Check for mechanical damage (stone chips and scratches).
- Check the fit of the sensors, bumpers, and trim in the surrounding areas.
- Check the measured value block “Vibration time of parking aid sender” in the control module for driver assist systems J1121 (address word 00A5) for a cyclic/dynamic change of the respective measure values when approaching an obstacle.

Scenario 1:

If the concern occurs sporadically: No further measures are necessary as it is caused by environmental influences.



NOTICE

In this case, replacement of the driver assistance systems J1121 without clear findings is not effective. Part replacement of the J1121 does not solve this issue. Claims for replaced parts will be subject to review.

Scenario 2:

If the concern is reproduced or is static: One of the ultrasound sensors, mounts, or circuits may be faulty. If this is the case, proceed with standard diagnosis.



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NOTICE

An indicator a malfunction may be present is a significantly increased frequency counter within standard ambient conditions of the respective fault code.

Warranty

This TSB is informational only and not applicable to any Audi Warranty.

Additional Information

All part and service references provided in this TSB (**2058769**) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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