



Technical Service Bulletin

91 Parking aid not working due to environmental influences, DTC B10FCF0/B107BF0/B10FCF1/B107BF1

91 23 45 2069694/2 November 7, 2023. Supersedes Technical Service Bulletin Group 91 number 23-80 dated March 15, 2023 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3, S3, RS 3, Q4 e-tron, and Q4 e-tron Sportback	2022 – 2025	All	Not Applicable

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised <i>Title</i> (Added DTC's to title) Revised <i>Header</i> (Added Model Years) Revised <i>Condition</i> (Added DTC's and symptom codes) Revised <i>Service</i> (Updated verbiage for new DTC and symptom codes)
1	03/15/2023	Initial publication

Customer states:

The warning message "Front/rear parking aid: Sensor view restricted because of environmental factors" appears in the instrument cluster.

Workshop findings:

- The message is reproducible.

And/Or

One of the following DTCs are stored in the parking aid control module, -J446- (address word 0076):

- DTC B107BF0/B107BF1** (Rear parking aid sender, malfunction because of environment influences) with symptom code **1080304** or **13959168** or **13959179**.
- DTC B10FCF0/B10FCF1** (Front parking aid sender, malfunction because of environment influences) with symptom code **1113328** or **13959169** or **13959178**.

Technical Background

The new generation of ultrasound parking aid sensors are able 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 in order to prevent false warnings to the driver. When this occurs a message is displayed to the driver in the instrument cluster.



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Below are examples based on the symptom code found with DTC B107BF0, B107BF0/B10FCF0, B10FCF1:

- **Symptom 1080304 or 1113328:** Temporary partial availability of the system due to environmental influences (e.g. external ultrasound noises)
- **Symptom 13959168/13959169/13959178/13959179:** Temporary partial availability of the system due to 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 values "Parking aid sender settling time in the parking aid control module" -J446- (address word 0076) for a cyclic/dynamic change of the respective measured 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 –J446- (address word 0076) or sensors without clear findings is not effective. Part replacement 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, mountings or circuits may be faulty. If this is the case, proceed with standard diagnosis.

NOTICE

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

Warranty

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



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Additional Information

All part and service references provided in this TSB (**2069694**) 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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