

Technical Service Bulletin

Transaction No.: **2083116/1**

97 Parking aid fault when combustion engine is running, event memory entry in DA0009 about parking aid sensor

Release date: Aug 26, 2026

Condition

Model(s)	Year(s)	VIN Range	Vehicle Specific Equipment
A5, S5 (FU), A6 Sedan (FN), Q5, Q5 Sportback, SQ5, SQ5 Sportback (GU)	2025 2027	All	PR Code: 1A2 - Fuel system for SI engine with direct injection (FSI) <u>Paired with either</u> 9X0 - Top view camera system or 7X1 – Ultrasound parking aid

Customer states:

One or both of the following messages appear in the instrument cluster after the combustion engine is switched on while the parking aid is active:

- “Rear parking aid: fault. Obstacles cannot be detected”
- “Side parking aid: fault. Obstacles cannot be detected”

Corresponding symbols in the center display indicate that the parking aid function is restricted (refer to Figure 1).



Figure 1. Symbols in the center display.



This TSB does not apply if these messages also occur when the combustion engine is switched off.

Workshop findings:

The complaint can usually be reproduced.

One or more of the following event memory entries are logged in onboard supply control unit -J519- (diagnostic address 0009) as active/static or passive/intermittent with a high fault frequency counter:

- **B107D29** Left rear side parking aid sensor implausible signal (symptom 721427)
- **B107629** Left rear parking aid sensor implausible signal (symptom 721411)
- **B107729** Left rear center parking aid sensor implausible signal (symptom 721443)
- **B107829** Right rear center parking aid sensor implausible signal (symptom 721459)
- **B107929** Right rear parking aid sensor implausible signal (symptom 721491)
- **B107E29** Right rear side parking aid sensor implausible signal (symptom 721475)



This TSB does not apply if these messages also occur when the combustion engine is switched off. In this case, please observe Guided Fault Finding (GFF) and TSB 2024323, *91 Parking assistance provides false warnings*.

Technical Background

Insufficient robustness in parking aid system.

Production Solution

Not applicable.

Service

To resolve the issue, a new repair wiring harness must be installed between onboard supply control unit J519 and the rear parking aid.



The procedure for A5 (FU) and A6 (FN) vehicles is the same.

The procedure for Q5 (GU) vehicles differs from the other two vehicle types in terms of how the bundle of wires is connected to the parking aid.

This difference is mentioned explicitly below.

The following steps are required to install the wiring harness:

1. Expose control unit J519 on driver side.
2. Remove lower C-pillar trim.
3. Remove lower B-pillar trim.
4. Remove lower A-pillar trim.
5. Remove luggage compartment side trim on driver side.



The wiring harness with part number 4P0971065 is required for the Audi A5 (FU) and the Audi A6 (FN) (refer to Figure 2).



Figure 2. Wiring harness with part number 4P0971065 for Audi A5 (FU) and Audi A6 (FN)



The wiring harness with part number 8MA971065 is required for the Audi Q5 (GU) (refer to Figure 3).

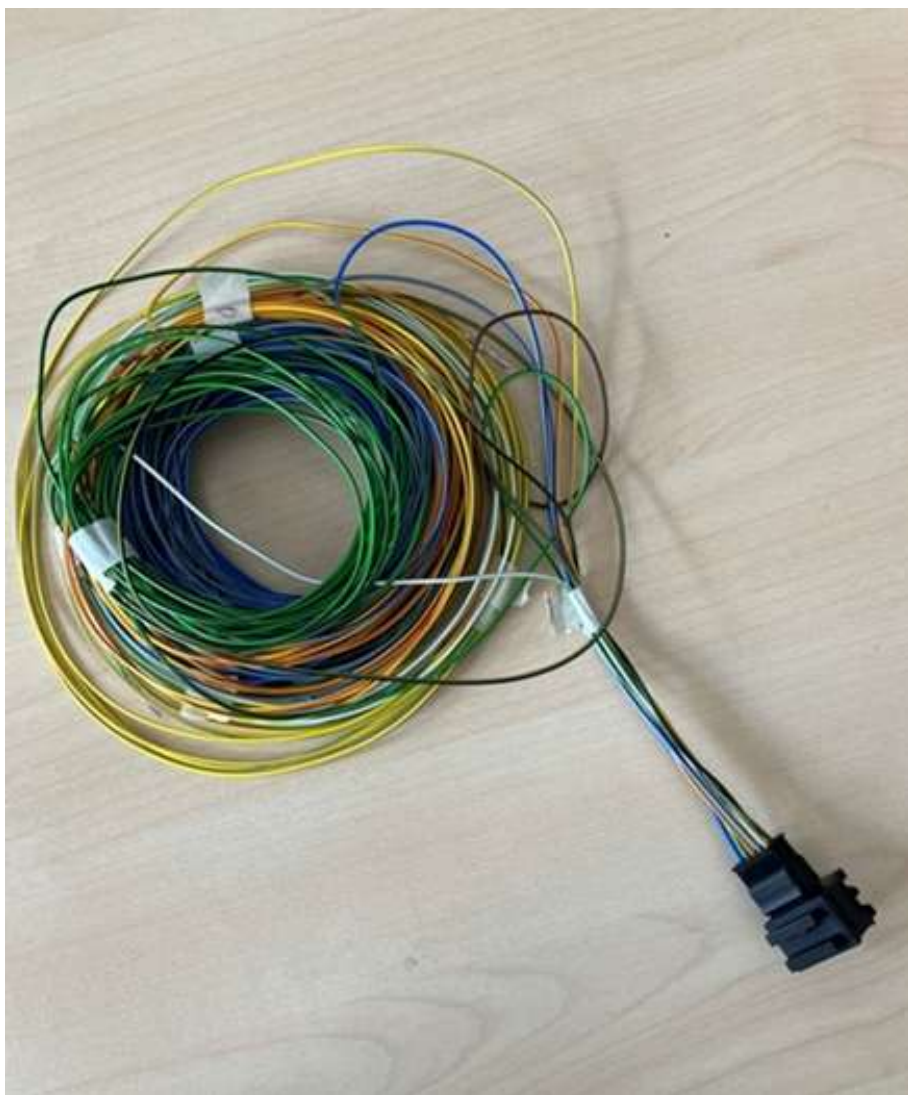


Figure 3. Wiring harness with part number 8MA971065 for Audi Q5 (GU).

The following section applies to all affected vehicles

Route the wiring harness with the open side (without a connector) loosely from the luggage compartment towards control unit J519. Where possible, guide it through existing cable ties, brackets and cable guides (refer to Figure 4).



Figure 4. Route the wiring as shown.

Then begin replacing the wiring for the parking aid on connector T92b on control unit J519. Pin the new wires with the same colors as the original wires in the corresponding locations.

1. **Pin 46: yellow/grey**
2. **Pin 23: brown/grey**
3. **Pin 22: purple/blue**
4. **Pin 21: green/black**
5. **Pin 44: yellow/red**
6. **Pin 45: grey/blue**
7. **Pin 43: black/yellow**
8. **Pin 20: white/green**

Then, starting from control unit J519 and working towards the luggage compartment, wrap the bundle of wires with overlapping fabric adhesive tape N 10592002 as far as the start of the sill panel molding and route it so that the bundle of wires cannot be damaged (refer to Figures 5, 6, 7 and 8).

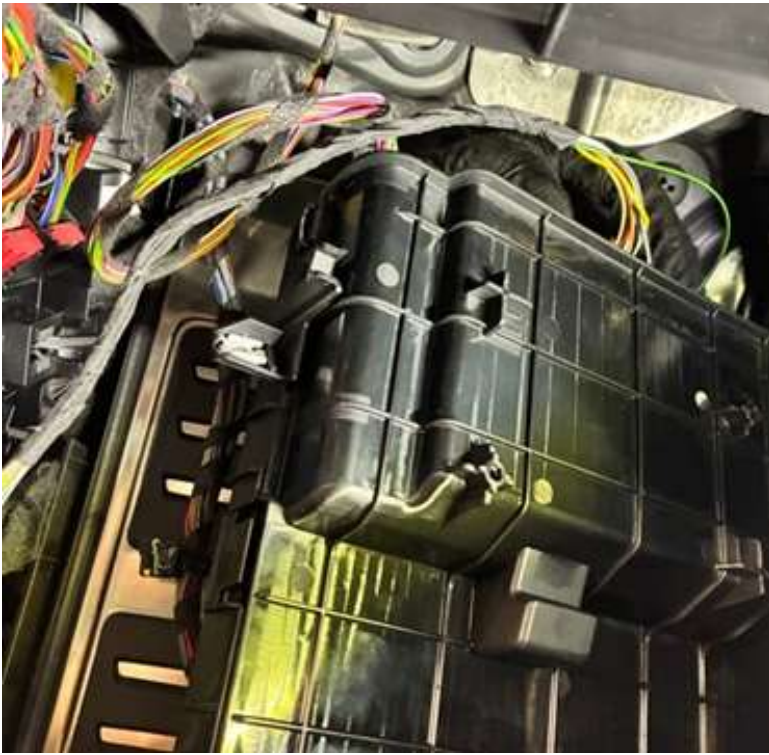


Figure 5.



Figure 6.



Figure 7.



Figure 8.

Starting at the area for the sill panel molding, place the bundle of wires on the main wiring harness and secure it with fleece adhesive tape D373125A2 (refer to Figures 9 and 10).



Figure 9.



Figure 10.

The following section ONLY applies to the Audi A5 (FU) and the Audi A6 (FN)

After routing the wiring into the luggage compartment, it must be connected to the existing wiring harness for the parking aid.

This must be done on the left side of the vehicle in the luggage compartment before the location where the wiring harness leaves the vehicle interior. Connector T14z must be separated from the repair wiring harness in this area.

Separate the wires for the parking aid from the main bundle of wires individually and connect them to the wires of the new repair wiring harness.

Make sure that you use the correct colors, that the crimp connectors are offset and that the bundle of wires is protected sufficiently at the edge of the vehicle body (refer to figures 11 and 12).



Figure 11.



Figure 12.

The following section ONLY applies to the Audi Q5 (GU)

The coupling point TSFH1 is located in the vehicle interior. The connector of the repair wiring harness with part number 8MA971065 replaces the old connector.

Warranty

The TSB number must always be noted in the “HST number” field in SAGA for ease of processing.

Claim Type:	If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9709		
Damage Code:	0040		
Labor Operations:	Remove and install onboard supply control unit	9710 19xx	See SRT with associated operations
	Q5 Remove and install A-pillar trim	7057 1950	See SRT with associated operations
	Remove and install B-pillar trim	7067 1999	10 TU
	Remove and install C-pillar trim	7068 1999	40 TU
	A5 Remove and install rear luggage compartment side trim	7003 1950	See SRT with associated operations
	A6 Remove and install rear luggage compartment side trim	7003 1999	50 TU
	Q5 Remove and install rear luggage compartment side trim	7003 1999	90 TU
	Install wiring harness	9709 2399	70 TU
	A5/A6 Repair wiring harness	9709 4158	See SRT with associated operations
	GFF / Guided Functions	0150 0060	Labor according to the diagnostic log
Claim Comment:	As per TSB 2083116/1		

All warranty claims submitted for payment must be in accordance with the *Audi Warranty Policies and Procedures Manual*. Claims are subject to review or audit by Audi Warranty.

Please note the information on predecessors and items that are included and excluded in the repair operations, as well as any associated tasks.

Required Parts and Tools

Audi A5 (FU) and A6 (FN)		
Part number	Designation	Quantity
4P0971065	Wiring harness	1

D373125A2	Fleece adhesive tape	As required
N10592002	Fabric adhesive tape	As required
000979940	Crimp connector	8

Audi Q5 (GU)		
Part number	Designation	Quantity
8MA971065	Wiring harness	1
D373125A2	Fleece adhesive tape	As required
N10592002	Fabric adhesive tape	As required

Additional Information

All part and service references provided in this TSB (**2083116**) 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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