

Technical Service Bulletin

Topic	96 Driver assist systems: Multiple driver assist systems offline - Short-range radar - C12BFF2 (1289) - PPE/PPC
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Audi
Transaction No.	2077141/3
Level	EH
Status	Archive
Release date	Oct 17, 2025

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
8109 - Short-range radar 1	C12BFF2: Radar sensors Software error detected		Intermittent
810A - Short-range radar 2	C12BFF2: Radar sensors Software error detected		Intermittent
810C - Short-range radar 4	C12BFF2: Radar sensors Software error detected		Intermittent
810B - Short-range radar 3	C12BFF2: Radar sensors Software error detected		Intermittent

New customer code

Object of complaint	Complaint type	Position
assistance systems, comfort controls -> emergency braking function -> automatic emergency braking (Front Assist)	functionality -> no function	
assistance systems, comfort controls -> lane change assistance -> lane change assist monitoring mode activation	functionality -> no function	
assistance systems, comfort controls -> cross-traffic assist -> cross-traffic assist monitoring mode activation	functionality -> no function	
assistance systems, comfort controls -> exit warning system -> exit warning system monitoring mode activation	functionality -> no function	
assistance systems, comfort controls -> cross-traffic assist -> cross-traffic warning caused by an object	functionality -> no function	
assistance systems, comfort controls -> exit warning system -> exit warning caused by an object	functionality -> no function	

Vehicle data

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
FU*	2025	A		*	*	*
GF*	2025	A		*	*	*
GH*	2025	A		*	*	*

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
GU*	2025	A		*	*	*

Control units

Diagnostic address	Software part number	Software version	Hardware part number	Hardware version
8109 - Short-range radar 1	*	0579	*	*
8109 - Short-range radar 1	*	0560	*	*
810B - Short-range radar 3	*	0579	*	*
810B - Short-range radar 3	*	0560	*	*

Documents

Document name
master.xml



Connection offline

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Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised header (Added Model) Revised <i>Service</i> (Include KD2 update reference)
2	07/17/2025	Revised header (Revised Models, updated customer codes) Revised <i>Service</i> (Included statement regarding launch vehicles)
1	03/06/2025	Initial publication

Customer states:

The customer complains that various driver assist systems are unavailable, depending on vehicle equipment. The following messages may appear in the instrument cluster:

- Rear turn assist: fault. You can continue driving. See owner's manual.
- Lane change assist: fault. You can continue driving. See owner's manual.
- Exit warning system: fault. You can continue driving. See owner's manual.
- Rear cross-traffic assist: fault. You can continue driving. See owner's manual.
- Proactive occupant protection: currently restricted. See owner's manual.
- Active front assist: currently unavailable. See owner's manual.

Workshop findings:

The complaint can be reproduced. In the Short-Range Radar 3 & 4 -J769-/-J770- (diagnostic address 810B/810C) and in the Short-Range Radar 1 & 2 control units for object detection -J1088-/-J1089- (diagnostic address 8109/810A), the DTC "**C12BFF2: Radar sensor software error detected (symptom number 1289)**" is stored.



NOTICE

The event memory entry "**C12BFF2: Radar sensor software error detected**" (symptom number 1282) does not lead to a customer complaint and can be ignored. **NO** measures are necessary.

Technical Background

Functional issue related to software and hardware.

Production Solution

CW 36/2025

Service

NOTICE

This TSB may apply to vehicles still in new model launch repair authorization!

- For vehicles still in launch phase, workshop must create a TAC case per the repair authorization. Reference this TSB in the first line of the TAC case.

Please check whether TSB 2079690, *00 Combined software update 03.10.00/C (28.13.01) KD2* is visible for this vehicle. If this is the case, please perform the combined software update "03.10.00/C (28.13.01) KD2" described in TSB 2079690.

NOTICE

The combined software update described in TSB 2079690 will be released in stages for the individual vehicle models/markets, depending on availability.

If the combined software update described above is not yet available, please replace the relevant control unit if the event memory entry "**C12BFF2: Radar sensor software error detected (symptom number 1289)**" is logged:

- "Short-Range Radar 3 & 4" aka (Lane change assist) control unit -J769-/-J770- (diagnostic address 810B/810C)

Or

- "Short-Range Radar 1 & 2" aka (Front left/right radar sensor) control unit for object detection -J1088-/-J1089- (diagnostic address 8109/810A).

NOTICE

The event memory entry "**C12BFF2: Radar sensor software error detected**" (symptom number 1282) does not lead to a customer complaint and can be ignored. NO measures are necessary.

Warranty

Combined software update "03.10.00/C (28.13.01) KD2":

Please note the accounting instructions in TSB 2079690.

Parts replacement:

Claim Type:	• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9635 (-J769- / -J770-) 9158 (-J1088- / -J1089-)		
Damage Code:	0039		
Labor Operations:	Remove and install object detection control unit	9158 1960	See SRT with associated operations

	Remove and install 2 object detection control units	9158 2060	See SRT with associated operations
	Remove and install lane change assist control unit	9635 1950	See SRT with associated operations
	Remove and install 2 lane change assist control units	9635 2050	See SRT with associated operations
	GFF / Guided Functions	0150 0060	Time stated on the diagnostic protocol
Claim Comment:	As per TSB 2077141/3		

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.

Additional Information

All part and service references provided in this TSB (**2077141**) 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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