

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.	2077141/4
Level	EH
Status	Released for publishing
Release date	Oct 24, 2025

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
810C - Short-range radar 4	C12BFF2: Radar sensors Software error detected		Intermittent
8109 - Short-range radar 1	C12BFF2: Radar sensors Software error detected		Intermittent
810A - Short-range radar 2	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 -> exit warning system -> exit warning system monitoring mode activation	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 caused by an object	functionality -> no function	
assistance systems, comfort controls -> cross-traffic assist -> cross-traffic warning caused by an object	functionality -> no function	
assistance systems, comfort controls -> emergency braking function -> automatic emergency braking (Front Assist)	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
810B - Short-range radar 3	*	0560	*	*
8109 - Short-range radar 1	*	0579	*	*
810B - Short-range radar 3	*	0579	*	*
8109 - Short-range radar 1	*	0560	*	*

Documents

Document name
master.xml



Connection offline

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Condition

REVISION HISTORY		
Revision	Date	Purpose
4	-	Revised <i>Warranty</i> (KD2 flash information)
3	10/17/2025	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)

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

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

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:	TSB 2079690, Combined software update "03.10.00/C (28.13.01) KD2":		
	Software update, including connecting battery charger	0151 0010	See SRT with associated operations
	Fixed rate for software update, including all required preliminary and follow-up work (including bus sleep cycle, calibration drive, additional work and restarting software update if flashing is aborted)	0151 0040	130 TU
	Parts Replacement:		
	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 2077141/4		

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.

When performing the combined software update, time stamps are not required for billing under warranty. You are therefore permitted to work on other vehicles at the same time. The combined software update can also be performed by non-productive personnel.

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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