

## Technical Service Bulletin

<b>Topic</b>	90 Driver assist systems: various assist systems unavailable (DTC C12B3FA, C12D5FA)
<b>Market area</b>	United States 444 Volkswagen of America, Inc. (6444)
<b>Brand</b>	Audi
<b>Transaction No.</b>	2076397/2
<b>Level</b>	EH
<b>Status</b>	Released for publishing
<b>Release date</b>	Mar 18, 2025

### Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
00A5 - Front sensor for driver assistance systems	C12B3FA: Driver Assistance Systems Front Camera Communication errors		Intermittent
00A5 - Front sensor for driver assistance systems	C12D5FA: Driver Assistance Systems Control Module Image processing processor not reacting		Intermittent

### New customer code

Object of complaint	Complaint type	Position
lighting, signaling -> operation, comfort lighting -> automatic headlamp control -> high beam automatic headlamp control	functionality -> does not switch on/connect	
lighting, signaling -> operation, comfort lighting -> automatic headlamp control -> high beam automatic headlamp control	functionality -> does not switch off/disconnect	
lighting, signaling -> operation, comfort lighting -> headlamp range control system -> automatic headlamp range control	functionality -> operation sequence incorrect	
lighting, signaling -> operation, comfort lighting -> headlamp range control system -> headlamp range control	functionality -> operation sequence incorrect	
lighting, signaling -> operation, comfort lighting -> cornering lamp	functionality -> no function	
lighting, signaling -> operation, comfort lighting -> automatic headlamp control -> high beam automatic headlamp control	functionality -> no function	
lighting, signaling -> operation, comfort lighting -> cornering lamp	functionality -> partially out of order	
lighting, signaling -> operation, comfort lighting -> cornering lamp	functionality -> operation sequence incorrect	
information, navigation, communication, entertainment -> information display symbols -> bulb failure information display	functionality -> activates	
information, navigation, communication, entertainment -> information display symbols -> bulb failure information display	functionality -> activates without cause	
information, navigation, communication, entertainment -> indicator display symbols -> high beam indicator display	functionality -> activates without cause	
information, navigation, communication, entertainment -> indicator display symbols -> cornering light indicator display	functionality -> activates without cause	

Object of complaint	Complaint type	Position
information, navigation, communication, entertainment -> driver information system (DIS, MFI, MMI) -> traffic sign detection display	control modules, services -> error message	
assistance systems, comfort controls -> cruise control\distance regulation -> adaptive cruise control system	functionality -> no function	
assistance systems, comfort controls -> cruise control\distance regulation -> adaptive cruise control system	functionality -> does not switch on/connect	
assistance systems, comfort controls -> cruise control\distance regulation -> adaptive cruise control system	functionality -> cannot be selected	
lighting, signaling -> operation, comfort lighting -> cornering lamp -> dynamic curve light	functionality -> no function	
information, navigation, communication, entertainment -> malfunction display symbols -> cruise control system (ADR, ACC) malfunction display	functionality -> activates	
information, navigation, communication, entertainment -> malfunction display symbols -> exterior lighting malfunction indicator	functionality -> activates	
information, navigation, communication, entertainment -> malfunction display symbols -> exterior lighting malfunction indicator	functionality -> activates without cause	
information, navigation, communication, entertainment -> indicator display symbols -> adaptive distance regulation (ADR) indicator display	functionality -> activates without cause	
information, navigation, communication, entertainment -> indicator display symbols -> distance regulation indicator display (ACC)	functionality -> activates without cause	
information, navigation, communication, entertainment -> indicator display symbols -> adaptive cruise assist indicator display	functionality -> activates without cause	
information, navigation, communication, entertainment -> indicator display symbols -> predictive efficiency assist indicator	functionality -> activates without cause	

## Vehicle data

### Audi Q7

#### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
4MG*	2021	A		*	*	*
4MG*	2022	A		*	*	*
4MG*	2023	A		*	*	*
4MQ*	2024	A		*	*	*
4MQ*	2025	A		*	*	*

#### Chassis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
WA1	*	F7	*	M	D	000001	999999		
WA1	*	F7	*	N	D	000001	999999		
WA1	*	F7	*	P	D	000001	999999		
WA1	*	F7	*	R	D	000001	999999		
WA1	*	F7	*	S	D	000001	018717		

# Documents

Document name
master.xml

## Technical Service Bulletin

Transaction No.: **2076397/2**

90 Driver assist systems: various assist systems unavailable (DTC C12B3FA, C12D5FA)

Release date: Mar 18, 2025

## Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised header (Added Model Years 24 & 25) Revised header (Added vin filter per TSB criteria) Revised Production Solution (Added VIN break)
1	12/17/2024	Initial publication

### Customer states:

The driver assist systems are unavailable or there is a message regarding this displayed on the instrument cluster:

- ***“Audi adaptive light: system fault”.***
- ***“Audi pre sense: system fault”.***
- ***“Adaptive cruise assist: restricted”.***
- ***“Adaptive cruise assist: predictive control currently restricted”.***

### Workshop findings:

Either only the first DTC entry below is stored alone, or together with the second DTC in the driver assist systems control module -J1121- (address word 00A5):

- **DTC C12B3FA:** Driver Assistance Systems Front Camera – communication error (symptom number **221189**) (sporadic).
- **DTC C12D5FA:** Driver Assistance Systems Control Module, image processing processor does not respond (symptom number **221281**).

## Technical Background

Not applicable.

## Production Solution

From Vehicle Identification number \*\*\*\*\*F7\*SD018717 with build date 10/22/2024.

## Service

If the complaint occurs, install the **data wire** with **part number 4M0 971 327** between front camera for driver assist systems (R242) and driver assist systems control unit (J1121).

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"> <li>If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.</li> </ul>		
<b>Service Number:</b>	9093		
<b>Damage Code:</b>	0040		
<b>Labor Operations:</b>	Repair driver assist systems control unit (install repair wire)	9093 4199	Please bill according to the time required.
	GFF	0150 0060	Time stated on the diagnostic protocol
<b>Claim Comment:</b>	As per TSB 2076397/2		

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.

## Required Parts and Tools

The part numbers mentioned in this TSB are different than the ones listed in ETKA. Only use parts listed in this TSB, this includes superseding part numbers!		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
4M0 971 327	Data wire	01

## Additional Information

All part and service references provided in this TSB (**2076397**) 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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