

Technical Service Bulletin

Topic	94 Tail lamp warning, various DTCs B16D431, B16D631, B16D531, and/or B16D731 are stored in the comfort module
Market area	United States 444 Volkswagen of America, Inc. (6444)
Brand	Audi
Transaction No.	2065234/2
Level	EH
Status	Released for publishing
Release date	Sep 10, 2025

Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0046 - Convenience system central module	B16D5F1: Left taillight 2 LED faulty		Intermittent
0046 - Convenience system central module	B16D7F4: Right taillight 2 Turn signal light defective		static
0046 - Convenience system central module	B16D513: Left taillight 2 Open circuit		static
0046 - Convenience system central module	B16D531: Left taillight 2 No signal		static
0046 - Convenience system central module	B16D5F1: Left taillight 2 LED faulty		static
0046 - Convenience system central module	B16D713: Right taillight 2 Open circuit		static
0046 - Convenience system central module	B16D413: Left taillight 1 Open circuit		static
0046 - Convenience system central module	B16D613: Right taillight 1 Open circuit		static
0046 - Convenience system central module	B16D513: Left taillight 2 Open circuit		Intermittent
0046 - Convenience system central module	B16D731: Right taillight 2 No signal		Intermittent
0046 - Convenience system central module	B16D6F1: Right taillight 1 LED faulty		Intermittent
0046 - Convenience system central module	B16D5F4: Left taillight 2 Turn signal light defective		static
0046 - Convenience system central module	B16D6F4: Right taillight 1 Turn signal light defective		Intermittent
0046 - Convenience system central module	B16D4F4: Lefttaillight 1 Turn signal light defective		static
0046 - Convenience system central module	B16D6F2: Right taillight 1 Tail lamp faulty		static

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
0046 - Convenience system central module	B16D431: Left taillight 1 No signal		Intermittent
0046 - Convenience system central module	B16D531: Left taillight 2 No signal		Intermittent
0046 - Convenience system central module	B16D5F2: Left taillight 2 Tail lamp faulty		Intermittent
0046 - Convenience system central module	B16D7F4: Right taillight 2 Turn signal light defective		Intermittent
0046 - Convenience system central module	B16D713: Right taillight 2 Open circuit		Intermittent
0046 - Convenience system central module	B16D631: Right taillight 1 No signal		Intermittent
0046 - Convenience system central module	B16D631: Right taillight 1 No signal		static
0046 - Convenience system central module	B16D731: Right taillight 2 No signal		static
0046 - Convenience system central module	B16D6F1: Right taillight 1 LED faulty		static
0046 - Convenience system central module	B16D6F4: Right taillight 1 Turn signal light defective		static
0046 - Convenience system central module	B16D431: Left taillight 1 No signal		static
0046 - Convenience system central module	B16D4F4: Lefttaillight 1 Turn signal light defective		Intermittent
0046 - Convenience system central module	B16D6F2: Right taillight 1 Tail lamp faulty		Intermittent
0046 - Convenience system central module	B16D613: Right taillight 1 Open circuit		Intermittent
0046 - Convenience system central module	B16D5F4: Left taillight 2 Turn signal light defective		Intermittent
0046 - Convenience system central module	B16D5F2: Left taillight 2 Tail lamp faulty		static
0046 - Convenience system central module	B16D413: Left taillight 1 Open circuit		Intermittent

New customer code

Object of complaint	Complaint type	Position
lighting, signaling -> exterior lighting -> rear lamps	functionality -> cannot be switched on/activated	
lighting, signaling -> exterior lighting -> back-up lamps	functionality -> does not switch on/connect	
lighting, signaling -> exterior lighting -> license plate lights	functionality -> does not switch on/connect	
information, navigation, communication, entertainment -> information display symbols -> bulb failure information display	functionality -> activates	
lighting, signaling -> exterior lighting -> license plate lights	functionality -> switches off by itself	

Object of complaint	Complaint type	Position
lighting, signaling -> exterior lighting -> rear lamps	functionality -> partially out of order	
information, navigation, communication, entertainment -> information display symbols -> bulb failure information display	functionality -> gives incorrect reading	
information, navigation, communication, entertainment -> information display symbols -> bulb failure information display	functionality -> activates without cause	
lighting, signaling -> exterior lights -> tail lamp	component, automotive fluids -> damaged	
lighting, signaling -> exterior lighting -> brake light	functionality -> does not switch on/connect	
lighting, signaling -> exterior lighting -> brake light	functionality -> cannot be switched on/activated	
lighting, signaling -> exterior lighting -> back-up lamps	functionality -> no function	
lighting, signaling -> flashers -> turn signals	functionality -> operation sequence incorrect	
information, navigation, communication, entertainment -> information display symbols -> bulb failure information display	functionality -> does not switch off/disconnect	
lighting, signaling -> flashers -> turn signals -> sequential turn signals	functionality -> no function	
lighting, signaling -> exterior lighting -> license plate lights	functionality -> irregular	
lighting, signaling -> exterior lighting -> back-up lamps	functionality -> switches off by itself	
lighting, signaling -> flashers -> turn signals -> sequential turn signals	functionality -> operation sequence incorrect	
lighting, signaling -> exterior lighting -> rear lamps	component, automotive fluids -> flickering	
lighting, signaling -> flashers -> turn signals	functionality -> irregular	
lighting, signaling -> exterior lights -> tail lamp	component, automotive fluids -> too dark	
lighting, signaling -> exterior lighting -> brake light	functionality -> partially out of order	
lighting, signaling -> exterior lighting -> rear lamps	functionality -> switches off by itself	
lighting, signaling -> exterior lighting -> brake light	functionality -> irregular	
lighting, signaling -> exterior lighting -> rear lamps	functionality -> does not switch on/connect	
lighting, signaling -> exterior lighting -> back-up lamps	functionality -> irregular	

Vehicle data

Audi A4

Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
8W*	2020	A		*	*	*
8W*	2021	A		*	*	*

Chassis numbers

Manufacturer	Filler	Type	Filler	MY	Factory	From	To	Prod from	Prod to
WAU	*	F4	*	L	*	000001	999999		
WAU	*	F4	*	M	*	000001	059000		

PR numbers

PR numbers
?:or ?:with 8VM
?:with 8VP

Documents

Document name
master.xml
attachment1.jpg



Connection offline

Technical Service Bulletin

Transaction No.: **2065234/2**

94 Tail lamp warning, various DTCs B16D431, B16D631, B16D531, and/or B16D731 are stored in the comfort module

Release date: Sep 10, 2025

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised header (Adjusted VIN range) Revised <i>Condition</i> (Adjusted DTCs) Revised Warranty (Adjusted warranty table)
1	12/07/2021	Initial publication

Customer states:

- There is a tail lamp warning displayed in the instrument cluster. When actuating the turn signal, the indicator in the instrument cluster may flash more quickly.

Workshop findings:

The complaint can be reproduced in the workshop. The following entries are logged in the event memory for the convenience electronics (diagnostic address 0046):

- B16D431** – “Left tail lamp 1, no signal” and/or “B16D413 - Left tail lamp 1, open circuit”

and/or

- B16D631** – “Right tail lamp 1, no signal” and/or “B16D613 - Right tail lamp 1, open circuit”

and/or

- B16D531** – “Left tail lamp 2, no signal” and/or “B16D513 - Left tail lamp 2, open circuit”

and/or

- B16D731** – “Right tail lamp 2, no signal” and/or “B16D713 - Right tail lamp 2, open circuit”

Technical Background

The diagnostic software is too sensitive.

Production Solution

New software installed in the tail lamps for production.

Service

The software of the tail lights must be updated on this vehicle. Explain to the customer that various control units must be reconfigured after the software update to ensure that they function correctly in conjunction with other control units in the vehicle. Components which have been retrofitted in the vehicle but have not been entered in the vehicle equipment list via feedback documentation (version compare) to the SVM may not function correctly after the configuration process. Ask the customer whether they have had non-genuine components retrofitted on the vehicle

or modifications carried out by third parties (e.g. tuning) or are aware of any such retrofits or modifications. Inform the customer that, if non-genuine retrofits or modifications have been carried out on the vehicle by third parties, neither AUDI AG nor your own company will accept liability for any damage that may be caused by updating the software, or by failing to do so.

1. It is possible to have one or more of the above faults stored for the tail lamp(s). Inspect the harness connection and the condition of the faulted tail lamp(s) before proceeding. If there is any damage to the lamp, pins, connector, or wiring, repair the damage first and then reevaluate.
2. If there is no damage found, Then follow the update instructions below.
3. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.

Update the comfort system central control module, J393 (address word 0046) using the SVM action code as listed in the table below, if necessary:



This SVM code flashes the tail lamps only. Tail lamps are a sub-address of convenience electronics, J393 (address word 0046).

Sub Address 0046 (tail lamp)	Old Software version	New software version	SVM Code Input
0625	510 600	710 700	625A004
070E	510 600	710 700	
070F	510 600	710 700	
0710	510 600	710 700	

Warranty

Claim Type:	If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9431		
Damage Code:	0039		
Labor Operations:	Software Update (Includes checking for DTCs)	0151 0000	Time stated on the diagnostic protocol
	Charge battery	2706 8950	See SRT with associated operations

Claim Comment:	As per TSB 2065234/2
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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

Tool Number	Tool Description
VAS 6160/VAS 6150	VAS tester with the current version of ODIS (Windows 10)

Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2011732, *00 Software Version Management (SVM), operating instructions*.

All part and service references provided in this TSB (**2065234**) 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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