



Technical Service Bulletin

91 Individual overhead view cameras are inoperative (picture is blurry or fogged up), DTCs stored in the driver assist

91 20 17 2055188/3 October 15, 2020. Supersedes Technical Service Bulletin Group 91 number 19-63 dated June 6, 2019 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6 allroad, A6 Avant, Q7, SQ7, SQ8, RS6 Avant, RSQ8, and Audi e-tron Sportback	2020 - 2022	All	With front and rear view camera system and two side cameras
A6, A7, RS7, A8, Q8, S6, S7, S8, and Audi e-tron quattro	2019 - 2022	All	With front and rear view camera system and two side cameras

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised header (Added Q7, new model years, and DTCs) Revised <i>Condition</i> (Added new DTCs) Revised <i>Service</i> (Clarified instructions)
2	06/06/2019	Revised <i>Warranty</i> (Updated Q8 Labor Operation)
1	06/05/2019	Initial publication

Customer states:

- One of the overhead view cameras is inoperative.
- One of the overhead view cameras is fogged up.

Workshop findings:

One or more of the following DTC(s) may be stored in the control module for driver assist systems, J1121 (address word 00A5):

Description	Faulty	Video cable signal error	Excess temperature
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Front overhead view camera	B127C04	C12AE02	B127C4B
Rear overhead view camera	B127D04	C12AF02	B127D4B
Left overhead view camera	B127E04	C12B002	B127E4B
Right overhead view camera	B127F04	C12B102	B127F4B

And/or

- **DTC B200FFA** (internal malfunction) with symptom code 282648 or 282649.

Technical Background

Not applicable.

Production Solution

Not applicable.

Service



Note:

Replacing the control module for driver assistance systems (J1121) for the above mentioned DTCs is not effective.

Scenario 1: When there is one DTC logged for one of the overhead view cameras

1. Perform a bus sleep cycle on the vehicle.
2. If the DTC remains static, check the wiring harness between the control module for driver assist systems, J1121 (address word 00A5) and the affected overhead view camera, (R243, R244, R245, or R246) for loose/unplugged connectors, loose/pushed-back pins, corrosion or damage.
3. In the case that no visual cause can be found:
 - Swap a new camera with the affected camera to rule out a faulty camera.



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- Plug the video cable of another camera into the port of the affected camera on the control module for driver assist systems, J1121 (address word 00A5) to rule out a faulty video cable. The connector housing of the video cable has to be removed to complete this step.

**Note:**

Between each step of the checks, a bus sleep cycle is required to reinitialize the control module and cameras.

Scenario 2: When there are several DTCs stored for the overhead view cameras

1. Due to deviations in the diagnostic capability of the control module for driver assist systems J1121 (address word 00A5) an individual overhead view camera (e.g. faulty overhead view camera, a short circuit in the video cable, water ingress, and etc.) can lead to a partial or complete failure of the Topview camera system. All or some of the above DTCs are logged
2. Proceed with the steps in Scenario 1 to identify the defect and repair accordingly.

Scenario 3: When the picture is blurry

Replace the adapter wiring harness to the camera and the fogged up overhead view camera.

Warranty

Claim Type:	<ul style="list-style-type: none"> • 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If the vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	9083		
Damage Code:	0040		
Labor Operations:	Remove and install overhead view camera	9083 19XX	See SRT with associated operations
	Adjust overhead view camera	9083 1550	See SRT with associated operations
	Remove and install front floor covering	7041 1900 Or 7041 1901 (Q8 Only)	See SRT with associated operations



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		7041 1902 (Q8 Only)	
	Remove and install control unit for driver assist system	9093 1950	See SRT with associated operations
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 100 TU)
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
Claim Comment:	As per TSB #2055188/3		

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.

Required Parts and Tools

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
4L0035576K	Connector housing for front area camera	01

Additional Information

All parts and service references provided in this TSB (2055188) are subject to change and/or removal.

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