



# Technical Service Bulletin

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

91 22 95 2055188/4 April 20, 2022. Supersedes Technical Service Bulletin Group 91 number 20-17 dated October 15, 2020, for reasons listed below.

| Model(s)                                                                  | Year                | VIN Range | Vehicle-Specific Equipment  |
|---------------------------------------------------------------------------|---------------------|-----------|-----------------------------|
| A6, A7, A8, and Q8                                                        | 2019 - 2022         | All       | Top and Corner view cameras |
| e-tron quattro                                                            | 2019<br>2021 – 2022 |           |                             |
| A6 allroad, S6, S7, S8, e-tron Sportback quattro, Q7, SQ7, SQ8, and RS Q8 | 2020 – 2022         |           |                             |
| A8 e quattro                                                              | 2020 – 2021         |           |                             |
| RS 6 Avant, A7 e quattro, and RS 7                                        | 2020 – 2021         |           |                             |
| e-tron GT, and RS e-tron GT                                               | 2022                |           |                             |

## Condition

| REVISION HISTORY |            |                                                      |
|------------------|------------|------------------------------------------------------|
| Revision         | Date       | Purpose                                              |
| 4                | -          | Revised header (added e-tron GT)                     |
| 3                | 10/15/2020 | Revised header (Added Q7, new model years, and DTCs) |



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|   |            |                                                                                              |
|---|------------|----------------------------------------------------------------------------------------------|
|   |            | Revised <i>Condition</i> (Added new DTCs)<br>Revised <i>Service</i> (Clarified instructions) |
| 2 | 06/06/2019 | Revised <i>Warranty</i> (Updated Q8 Labor Operation)                                         |

## 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 |
|----------------------------|---------|--------------------------|--------------------|
| 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



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## 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.
  - 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, 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 it accordingly.

### Scenario 3: When the picture is blurry

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

## Warranty

|                    |                                                                                                                                                                                                                                                     |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Claim Type:</b> | <ul style="list-style-type: none"><li>• 110 up to 48 Months/50,000 Miles.</li><li>• G10 for CPO Covered Vehicles – Verify Owner.</li><li>• If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li></ul> |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



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|                          |                                                          |                                                                                                                                 |                                                     |
|--------------------------|----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <b>Service Number:</b>   | 9083                                                     |                                                                                                                                 |                                                     |
| <b>Damage Code:</b>      | 0040                                                     |                                                                                                                                 |                                                     |
| <b>Labor Operations:</b> | 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<br>Or<br>7041 1901 (Q8 Only)<br>7041 1902 (Q8 Only)<br>Or<br>7041 1950 (e-tron GT only)<br>7041 1960 (e-tron GT only) | See SRT with associated operations                  |
|                          | Remove and install control unit for driver assist system | 9093 1950                                                                                                                       | See SRT with associated operations                  |
| <b>Diagnostic Time:</b>  | 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                                                |
| <b>Claim Comment:</b>    | 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



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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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