



# Technical Service Bulletin

## 91 Adaptive Cruise Assist is not available, DTCs C12EBF1, C12EB92 stored in the laserscanner

91 20 80 2053776/6 June 19, 2020. Supersedes Technical Service Bulletin Group 91 number 20-46 dated March 6, 2020 for reasons listed below.

| Model(s)                               | Year        | VIN Range | Vehicle-Specific Equipment  |
|----------------------------------------|-------------|-----------|-----------------------------|
| Q7                                     | 2020        | All       | With Adaptive Cruise Assist |
| A7, A8, Q8,<br>and Audi e-tron quattro | 2019 - 2020 | All       | With Adaptive Cruise Assist |

## Condition

| REVISION HISTORY |            |                                                                                                                                                          |
|------------------|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Revision         | Date       | Purpose                                                                                                                                                  |
| 6                | -          | Revised <i>Warranty</i> (Updated Labor Operation)                                                                                                        |
| 5                | 03/06/2020 | Revised header (Removed inapplicable DTCs)<br>Revised <i>Condition</i> (Removed inapplicable DTCs)<br>Revised <i>Warranty</i> (Updated Labor Operations) |
| 4                | 01/15/2020 | Revised <i>Service</i> (Updated instructions)<br>Revised <i>Warranty</i> (Added Labor Operations)                                                        |

### Customer states:

- The adaptive driving assistance is not available or cannot be activated.

### Workshop findings:

One of the following DTCs may be stored in the control module for laserscanner, J1122 (address word 00CD):

- DTC C12EBF1** (laser for adaptive cruise control, malfunction) with symptom code 11546627.

Or

- DTC C12EB92** (laser for adaptive cruise control, malfunction) with symptom code 11546631 and/or 11546632.

## Technical Background

The software needs to be updated to correct the adaptive driving assistance activation issue.



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## Production Solution

Not applicable.

## Service

### If DTC C12EB92 is stored:

1. Replace the control module for laserscanner, J1122 (address word 00CD) according to the repair manual.
2. After the parts are replaced, check the software version:  
SW Version 0205: no further actions necessary.  
SW Version < 0205: perform the SVM code listed below:



#### Note:

If DTC C12EB92 is not stored, there is no need to replace the control module. Please just run the SVM code in that case.

### SVM Update Instructions:

3. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
4. Update the control module for laserscanner, J1122 (address word 00CD) using the SVM action code as listed in the table below, if necessary:

| Model                                                | Old Software Part Number | Old Software Version | New Software Part Number | New Software Version<br>(or higher) | SVM Code Input |
|------------------------------------------------------|--------------------------|----------------------|--------------------------|-------------------------------------|----------------|
| A6, A7, A8,<br>Q7, Q8, and<br>Audi e-tron<br>quattro | 4K8907660B               | 0200<br>0201<br>0202 | 4K8907660B               | 0205                                | CDA002         |



**Tip:** After the update, a bus sleep has to be awaited before clearing DTCs.



**Tip:** After the update to SW0205, the DTC C12EBF1 with symptom code 11546627 may still be stored. However, this DTC has no more influence on the system's functionality after the update and can now be ignored. If the adaptive cruise assist can be reactivated, the vehicle can be released to the customer.



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## 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 vehicle is outside any warranty, this Technical Service Bulletin is informational only.</li></ul> |              |                                                    |
| <b>Service Number:</b>   | 9159                                                                                                                                                                                                                                            |              |                                                    |
| <b>Damage Code:</b>      | 0039                                                                                                                                                                                                                                            |              |                                                    |
| <b>Labor Operations:</b> | Software Update                                                                                                                                                                                                                                 | 0151 0000    | Time stated on the diagnostic protocol (Max 75 TU) |
|                          | <b>If DTC C12EB92 was stored:</b>                                                                                                                                                                                                               |              |                                                    |
|                          | ECM for Laser Adaptive CC remove + reinstall                                                                                                                                                                                                    | 9159 1950    | See SRT with associated operations                 |
|                          | ECM for Laser Adaptive CC adjust with associated operations if necessary                                                                                                                                                                        | 9159 1550    | See SRT                                            |
|                          | <b>If removal of the bumper cover is required (select applicable options):</b>                                                                                                                                                                  |              |                                                    |
|                          | Camera f night vision sys adjusted                                                                                                                                                                                                              | 9080 1550    | See SRT                                            |
|                          | Overhead view camera adjusted                                                                                                                                                                                                                   | 9083 1550    | See SRT                                            |
|                          | 2 ECM object recognition adjusted with associated operations if necessary                                                                                                                                                                       | 9158 1660    | See SRT                                            |
|                          | Radar sensor adjusted                                                                                                                                                                                                                           | 9163 1550    | See SRT                                            |
|                          |                                                                                                                                                                                                                                                 |              |                                                    |
| <b>Diagnostic Time:</b>  | GFF ( <b>Only</b> if removal of the bumper cover is required)                                                                                                                                                                                   | 0150 0000    | Time stated on the diagnostic protocol (Max 50 TU) |
|                          | Road test prior to service procedure                                                                                                                                                                                                            | No allowance | 0 TU                                               |
|                          | Road test after service procedure                                                                                                                                                                                                               | No allowance | 0 TU                                               |
| <b>Claim Comment:</b>    | As per TSB #2053776/6                                                                                                                                                                                                                           |              |                                                    |



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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.

## Additional Information

The following Technical Service Bulletin 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 (2053776) 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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