



Technical Service Bulletin

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

91 20 46 2053776/5 March 6, 2020. Supersedes Technical Service Bulletin Group 91 number 20-29 dated January 15, 2020 for reasons listed below.

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

Condition

REVISION HISTORY		
Revision	Date	Purpose
5	-	Revised header (Removed inapplicable DTCs) Revised <i>Condition</i> (Removed inapplicable DTCs) Revised <i>Warranty</i> (Updated Labor Ops)
4	01/15/2020	Revised <i>Service</i> (Updated instructions) Revised <i>Warranty</i> (Added Labor Ops)
3	11/07/2019	Revised <i>Warranty</i> (Added Labor Ops)

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 (or higher)	SVM Code Input
A6, A7, A8, Q7, Q8, and Audi e-tron quattro	4K8907660B	0200 0201 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

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9159		
Damage Code:	0039		
Labor Operations:	Software Update	0151 0000	Time stated on the diagnostic protocol (Max 75 TU)
	If DTC C12EB92 was stored:		
	ECM for Laser Adaptive CC remove + reinstall	9159 1900	See SRT
	ECM for Laser Adaptive CC adjust with associated operations if necessary	9159 1550	See SRT
	If removal of the bumper cover is required (select applicable options):		
	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
Diagnostic Time:	GFF (Only 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
Claim Comment:	As per TSB #2053776/5		

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.



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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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