



Technical Service Bulletin

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

91 22 13 2053776/8 July 28, 2022. Supersedes Technical Service Bulletin Group 91 number 20-54 dated December 18, 2020, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A8	2019 – 2024	All	Adaptive Cruise Control
A6, S6, A7, S7, and Q8	2019 – 2020		
e-tron quattro	2019		
S8	2020 – 2024		
A8 e quattro	2020 – 2021		
e-tron Sportback quattro, SQ8, and RS Q8	2020		

Condition

REVISION HISTORY		
Revision	Date	Purpose
8	-	Revised header (Added MY22/23/24) Revised Technical Background (Added DTC description) Revised Service (Updated procedure for SW0306)



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		Revised Warranty (updated labor ops according to updated service procedure)
7	12/18/2020	Revised header (Added MY21 and expanded applicable vehicles) Revised <i>Service</i> (Updated SVM code)
6	06/19/2020	Revised <i>Warranty</i> (Updated Labor Operation)

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 laser scanner, 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

A software malfunction may cause certain DTCs to enter erroneously

Event memory entry/symptom	Conditions	Fault message in the instrument cluster?
C12EBF1 / 11546627 Laser for adaptive cruise control Malfunction	Diagnosis detected discrepancies in cover on laser scanner	NO



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C12EB92 / 11546631 Laser for adaptive cruise control Malfunction	Diagnosis detected that cover on laser scanner is missing	YES
C12EB92 / 11546632 Laser for adaptive cruise control Malfunction	Event memory entry C12EB92 / 11546631 logged three times	YES

Production Solution

Not Applicable.

Service

If the software version is lower than SW 0306:

SVM Update Instructions:

1. Follow all instructions in TSB 2011732: 00 Software Version Management (SVM), operating instructions.
2. Update the control module for lasers canner, 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, Q8, and Audi e-tron quattro	4K8907660B	0200	4K8907660E	0306	CDA003
	4K8907660C	0201			
	4K8907660D	0202			



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

If the software version is exactly SW 0306:

Please check the table below for the service procedure according to the DTCs stored:

Event memory entry/symptom	Conditions	Fault message in the instrument cluster	Measure
C12EBF1 / 11546627 Laser for adaptive cruise control Malfunction	Diagnosis detected discrepancies in cover on laser scanner	NO (from SW0205 onwards)	Check laser scanner for damage and dirt. If no issues are found, further measures are generally not necessary. <u>Note:</u> If the software version of the control unit for laser distance control J1122 is SW0205 or newer, event memory entry "C12EBF1: laser for adaptive cruise control Malfunction" with symptom no. 11546627 may still be logged <u>statically</u> . Because of a changed reaction class, this event memory entry has no impact on the function of the adaptive cruise assist and can be ignored.
C12EB92 / 11546631	Diagnosis detected that	YES	Check laser scanner for damage and dirt.



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Laser for adaptive cruise control Malfunction	cover on laser scanner is missing		If no issues are found, please work through the test plan stored for these event memory entries in ODIS. The event memory entry is erased when you complete the test plan; further measures are generally not necessary.
C12EB92 / 11546632 Laser for adaptive cruise control Malfunction	Event memory entry C12EB92 / 11546631 logged three times	YES	Check laser scanner for damage and dirt. If no issues are found, please work through the test plan stored for these event memory entries in ODIS. The event memory entry is erased when you complete the test plan; further measures are generally not necessary.

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 100 TU)



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	Check laser scanner control unit	9159 0199	10 TU
Diagnostic Time:	GFF	No allowance	0 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 2053776/8		

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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