

91 No diagnostics communication to the telematics control module

91 23 04 2056076/17 June 12, 2023. Supersedes Technical Service Bulletin Group 91 number 22-30 dated September 23, 2022, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
All Audi Vehicles	2019 – 2020	All	ConBox Low

Condition

REVISION HISTORY		
Revision	Date	Purpose
17	-	Revised header (updated software filter) Revised <i>Condition</i> (added criterions) Revised <i>Service</i> (added software update)
16	09/23/2022	Revised <i>Warranty</i> (Update Service Number)
15	09/14/2022	Revised header (filtered out vehicles with gateway SW 01XX)

Customer states:

- An SOS Warning might be displayed in the instrument cluster (Figure 1).



Figure 1. Emergency call malfunction warning.

Or

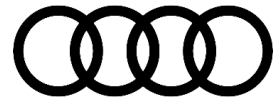
- Connectivity features like remote locking and unlocking are not working.

Or

- No diagnostics communication can be established to the control module for the emergency call module and communication unit (telematics control module or ConBox), J949 (address word 0075) during vehicle diagnostics.

Workshop findings:

- Criterion 1:**



No diagnostics communication can be established with the control module for the emergency call module and communication unit (telematics control module or ConBox), J949 (address word 0075) via ODIS.

- **Criterion 2:**

The following DTC may be entered in Databus Control Module –J533- (address word 0019) but the ConBox (address word 0075) can be addressed via ODIS:

- **DTC U142100:** Control module for emergency call module and communication unit no communication.



Note:

This TSB only applies to vehicles that have no diagnostics communication to the telematics control module, J949 (address word 0075). If DTC U153E00 is entered in the telematics control module, J949 (address word 0075), please reference TSB 2055945: *91 SOS Emergency call function deactivated message in the cluster, DTC U153E00 stored in the telematics module.*

Technical Background

A software bug can cause the control module to freeze during a cold start.

Production Solution

Not Applicable

Service

Criterion 1:

(Not required if the ConBox (address word 0075) is addressable via ODIS):

1. Remove and unplug the telematics control module, J949 (address word 0075) according to the Elsa Repair Manual.



2. Open the battery compartment of the telematics control module, J949 (address word 0075), and disconnect the backup battery (Figures 2 - 3).

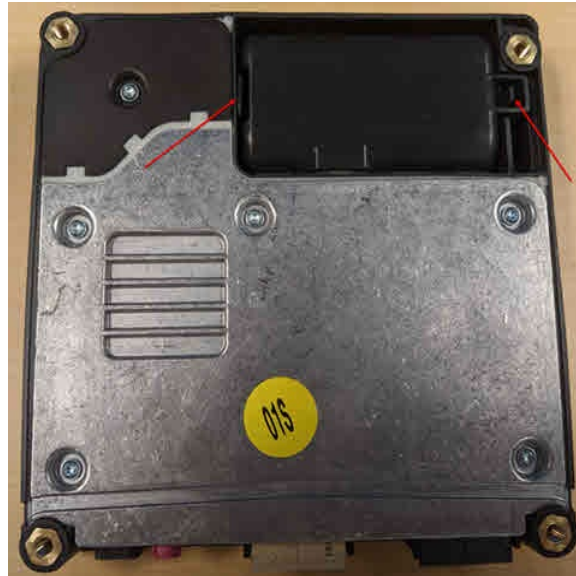


Figure 2. Backup battery compartment location.

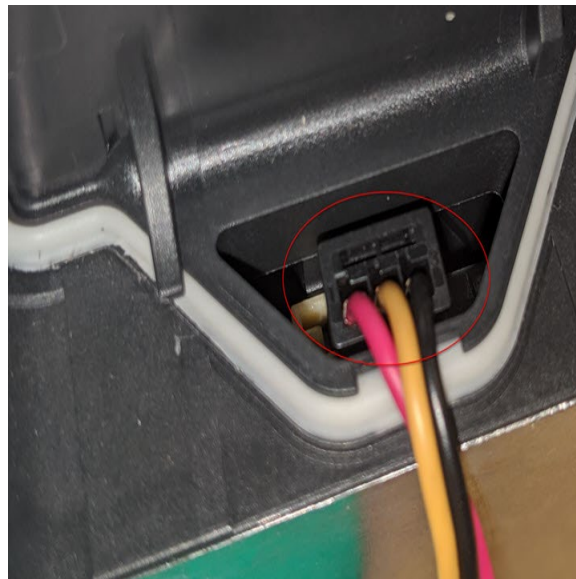


Figure 3. Backup battery connector (no release mechanism).

3. Remove the fuse supplying power to the data bus onboard diagnostic interface, J533 (address word 0019). Please consult Elsa or the vehicle owner's manual as to the fuse location for the specific model on which you are working.



Note:



The vehicle is not able to be moved under its own power while J533 is without power. Please make sure the vehicle is parked in a suitable location for the duration of the procedure.

4. Leave the battery and Gateway fuse disconnected for approximately 20 minutes, then reinstall the fuse.
5. Reinstall the backup battery back into the telematics control module, J949 (address word 0075).
6. Reinstall the telematics control module, J949 (address word 0075) back into the vehicle.
7. If ODIS **still cannot** connect to the telematics control module, J949 (address word 0075), then follow the ODIS test plan and replace the telematics control module with part number **992 035 286 C**.

If ODIS **can connect** to the telematics control module, J949 (address word 0075) after this procedure, continue with **Criterion 2**.

Criterion 2:

SVM Update Instructions



Always use DoIP when flashing a control module via ODIS in supported vehicles.

To Activate DoIP, select *Administration>>General>>GFF Process>>DoIP communication>>Only allow DoIP communication*

This setting will automatically reset when the diagnostic session is ended.

You can tell if DoIP is active by observing a red LED on the VAS 6154(A)

1. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
2. Update the telematics control module, J949 (address word 0075) 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 (or higher)	New Software Version (or higher)	SVM Code Input
A4/A5/A6/A7/A8/Q5/Q7/Q8/e-tron Quattro	4K1035283C	0233	4K1035283K	0420	75A027

Warranty

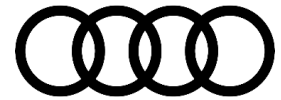
Claim Type:	<ul style="list-style-type: none"> • 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner.
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Technical Service Bulletin



	<ul style="list-style-type: none"> If the vehicle is outside any warranty, this Technical Service Bulletin is informational only. 		
Service Number:	9145		
Damage Code:	0039		
<u>Criterion 1 only:</u>			
Labor Operations:	Telematics control module remove + reinstall	9170 1950 Or 9170 1900 Or 9170 1952	See SRT and associated predecessor by model
	Remove and reinstall the telematics control module backup battery	9170 1999	5 TU
	Remove and reinstall the fuse for the Data Bus on Board Diagnostic Interface	9035 1999	5 TU
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 20 TU)
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	No allowance	0 TU
<u>Criterion 2 only:</u>			
Labor Operations:	Software Update	0151 0000	Time stated on the diagnostic protocol (Max 85 TU)
Diagnostic Time:	GFF	No allowance	0 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 2056076/17		

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

The part numbers mentioned in this TSB are different from the ones listed in ETKA. Only use parts listed in this TSB, this includes superseding part numbers!		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
992035286C	Telematics Control Module (if required under Criterion 1)	01

Additional Information

The following Technical Service Bulletin(s) may be necessary to complete this procedure:

- TSB 2055945, *91 SOS Emergency call function deactivated message in the cluster, DTC U153E00 stored in the telematics module.*
- TSB 2011732: *00 Software Version Management (SVM), operating instructions.*
- Owner's Manual: Fuses.
- Elsa: Wiring Diagrams >> Component Locations >> Fuses.

All part and service references provided in this TSB (**2056076**) 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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