



Technical Service Bulletin

45 ABS/ESC control unit cannot be reached "DTC U012100 ABS Control Module no communication" stored

45 24 45 2072977/3 July 31, 2024. Supersedes Technical Service Bulletin Group 45 number 24-40 dated March 22, 2024 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
e-tron	2019 2021 – 2023	All	Not Applicable
e-tron Sportback	2020 – 2023		
Q8 e-tron, SQ8 e-tron, Q8 Sportback e-tron, and SQ8 Sportback e-tron	2024		

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised <i>Service</i> (Updated procedure)
2	03/22/2024	Revised <i>Service</i> (Updated procedure) Revised <i>Warranty</i> (Updated Labor Operations)
1	02/14/2024	Initial publication

Customer states:

There is reduced braking assistance and various warning lamps appearing in the instrument cluster.

Workshop findings:

ABS/ESC Control unit -J104- (Diagnostic address 0003) cannot be reached in communication.

The DTC "U012100 (Symptom Code 19875), ABS Control Module no communication" is also logged in the diagnostic address 0001.

Technical Background 1

Control unit -J104- has performed a restart. After this, the electromechanical brake servo remains on the hydraulic fallback level and no bus communication takes place. This results in driver messages from other vehicle systems being displayed. This restart only occurs in very rare exceptional cases.

Restarting does not adversely affect the control unit and the vehicle is ready for use as usual after the software update.



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Production Solution

Not applicable.

Service

Proceed as follows:

Vehicles equipped with ABS/ESC control unit -J104- with software version SW 2XX.

Disconnect the 12V battery from the vehicle for 5 minutes and then check the accessibility of the control unit - J104- in the diagnosis.

Make sure the current software for the ABS control unit -J104- is at least version 242. (If the software level is below 242, review if the vehicle is affected by Field Campaign **93N1** and proceed with the necessary updates prior to moving to the next step).

Release the parking brake.

Perform a software update as described below.

Follow all instructions in TSB 2011732: 00 Software Version Management (SVM), operating instructions.

Update the ABS control unit (J104) 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
e-tron/Q8 e-tron	4KE909059N	242	4KE909059N	245	03A036
		243			
		244			
	4KE909059G	242	4KE909059G	245	
	243				

Afterwards perform a Basic Settings of the Parking Brake and TPMS.

When there are no DTCs stored in the J104 that would require repair, the vehicle is ready for use again.

Vehicles equipped with ABS/ESC control unit -J104- with software version SW 321.

Disconnect the 12V battery from the vehicle for 5 minutes and then check the accessibility of the control unit - J104- in the diagnosis.

Release the parking brake.

Perform a software update as described below, the software will be updated to level 322.

Follow all instructions in TSB 2011732: 00 Software Version Management (SVM), operating instructions.

Update the ABS control unit (J104) 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	SVM Code Input
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			(or higher)	(or higher)	
e-tron/Q8 e-tron	4KE909059AN	321	4KE909059AS	322	03A039

Afterwards perform a Basic Settings of the Parking Brake and TPMS.

When there are no DTCs stored in the J104 that would require repair, the vehicle is ready for use again.

 **NOTICE**

Do not replace any component. Any control unit replacement for this concern may be denied.

Warranty

Claim Type:	If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.		
Service Number:	4545		
Damage Code:	0040		
Labor Operations:	Loosen and secure earth strap	9785 0999	10 TU
	Check vehicle (bus sleep mode)	0689 0199	10 TU
Diagnostic Time:	Software update	0151 0010	Time stated on the diagnostic protocol
	Software update	0151 0060	Time stated on the diagnostic protocol
	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 2072977/3		

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.

Additional Information

All part and service references provided in this TSB (**2072977**) 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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