



Technical Service Bulletin

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

45 24 40 2072977/2 March 22, 2024. Supersedes Technical Service Bulletin Group 45 number 24-39 dated February 14, 2024 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
e-tron quattro	2019 2021 - 2023	All	Not Applicable
e-tron Sportback quattro	2020 - 2023		
e-tron S	2022 - 2023		
Q8 e-tron, Q8 Sportback e-tron, SQ8 e-tron, and SQ8 Sportback e-tron	2024		

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	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

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.



Technical Service Bulletin

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	242 243 244	4KE909059N	245	03A036
	4KE909059G	242 243	4KE909059G	245	

- Afterwards perform a Basic Settings of the Parking Brake and TPMS.
- If there are no DTCs stored in the ABS control unit -J104-, the vehicle can be released. If there are DTCs stored in the ABS control unit, please follow GFF instructions.

NOTICE

Vehicles equipped with ABS/ESC control unit with software version SW321, please review: PSS 2073483: 45 PSS ABS/ESC control unit cannot be reached "DTC U012100 ABS Control Module no communication" stored and follow instructions.

NOTICE



Technical Service Bulletin

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

Warranty

Claim Type:	• 110 Up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • 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 (Includes checking for DTCs)	0151 0000	Time stated on the diagnostic protocol (Max 50 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 2072977/2		

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. ©2024 Audi of America, Inc. All rights reserved. The information contained in this document is based on the latest information available at the time of printing and is subject to the copyright and other intellectual property rights of Audi of America, Inc., its affiliated companies, and its licensors. All rights are reserved to make changes at any time without notice. No part of this document may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, nor may these materials be modified or reposted to other sites without the prior expressed written permission of the publisher.