



Technical Service Bulletin

45 DTC C101AF1, C101BF1, C101CF1, C101DF1 "magnetic field too low" stored in ABS control unit

45 24 44 2072549/3 June 11, 2024. Supersedes Technical Service Bulletin Group 45 number 24-42 dated May 7, 2024 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3, S3, and RS 3	2022 - 2025	All	Not Applicable

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised <i>Service</i> (Updated procedure) Revised <i>Warranty</i> (Updated Warranty Table)
2	05/07/2024	Revised <i>Service</i> (Updated procedure) Revised <i>Warranty</i> (Added Warranty Table)
1	01/12/2024	Initial publication

Customer statement:

- Multiple messages/Pre sense fault message in the cluster.

Workshop findings:

- DTCs **C101AF1**, **C101BF1**, **C101CF1**, **C101DF1** "*magnetic field too low*" is stored in one or more speed sensors in the ABS control unit J104 (address word 0003).
- DTCs **U112300**, **U112200** "*Databus error value received; Databus implausible message*" stored in the Distance Regulation control unit J428 (address word 0013).

Technical Background

Not applicable.

Production Solution

Improved software starting from production date: April 2024.

Service

Follow all instructions in TSB → [2011732](#): *00 Software Version Management (SVM), operating instructions*.



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Update the J104 (0003) 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
A3	5WA614517N	0125 0127 0129 0130 0131 0132	5WA614517N	0134	03A033A
A3	5WA614517P	0125 0127 0129 0130 0131 0132	5WA614517P	0134	03A033A
A3	5WA614517N	0134	5WA614517P	0134	03A033B
A3	5WA614517P	0134	5WA614517P	0134	03A033B
A3	5WA614517N	0133 0134 0135	5WA614517N	0136	03A037

Proceed as follows:

Vehicles equipped with hardware version 13 in the ABS Control Unit J104 (Except RS3).

- Check software version of the brake control unit, if it is **lower** than 133, run SVM Codes: 03A033A followed by 03A033B. These updates will bring the ABS control unit J104 to software version 134.
- Run SVM Code 03A037 **after** the previous step has been performed.
- If the vehicle is already equipped with software version 133 or 134, run **only** SVM Code 03A037.
- Proceed with parking brake basic settings.

Vehicles equipped with all other hardware versions in the ABS Control Unit J104 (or RS3).

- Delete all DTCs stored in the ABS control unit J104 (address word 0003) **and** Distance Regulation control unit J428 (address word 0013).
- Perform a short road test.
- No additional work is necessary, the DTCs will not return.





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Make sure the speed sensors are free of debris, oil residues, grease, or dirt.

NOTICE

Do not replace speed sensors! Parts replacement does not solve the issue. Claims for replaced parts will be subject to review.

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:	0039		
Diagnostic Time:	Software Update	0151 0010	See SRT with associated operations
	Software Update (Vehicles with Hardware Version13 – Except RS3)	0151 0060	Time stated on the diagnostic protocol (Max 70 TU)
	OR		
	Software Update (Vehicles with Hardware other than Version13 – or RS3)	0151 0060	Time stated on the diagnostic protocol (Max 30 TU)
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	0121 0004	10 TU
Claim Comment:	As per TSB 2072549/3		

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



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All part and service references provided in this TSB (**2072549**) 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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