



Technical Service Bulletin

48 DTC B116831 is stored in the ABS control module

48 24 65 2063526/3 March 21, 2024. Supersedes Technical Service Bulletin Group 48 number 22-32 dated April 28, 2022 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
TT, TT Roadster, and TTS	2016 - 2023	All	Not Applicable
A3, and S3	2016 - 2020		
A3 Cabriolet	2016 - 2019		
A3 Sportback e-tron	2016 - 2018		
RS 3	2017 - 2020		
TT RS	2018 - 2019 2021 - 2022		

Condition

REVISION HISTORY		
Revision	Date	Purpose
3	-	Revised <i>header</i> (Revised Model Year)
2	04/28/2022	Revised <i>header</i> (Added Model Year)
1	08/02/2021	Initial publication

Customer states:

- Several warning lamps (ABS, TPMS, etc.) sporadically come on when the vehicle is started (both manually and in start/stop mode).

Workshop findings:



Technical Service Bulletin

The following DTC is stored in the ABS control module, J104 (address word 0003):

- **DTC B116831** (Steering angle sensor no signal) with symptom code 166.

Technical Background

There is a voltage drop in power steering control module, J500 (address word 0044).

Production Solution

Not applicable.

Service

Possible root causes:

- This DTC is logged in the power steering control module, J500 (address word 0044) briefly, because it does not participate in the data bus communication during the start procedure.
 - This can be caused by a voltage drop in the power steering control module, J500 (address word 0044).
1. When the vehicle is started, the voltage should not drop by more than 1 Volt at contact 4 on the fuse carrier. This is the power supply to the power steering control module, J500 (address word 0044) (Figure 1).



Figure 1. Fuse carrier's power supply to the power steering control module, J500 (address word 0044).

2. If the voltage drops more than 1 Volt then the fuse carrier must be replaced. Replace the fuse carrier according to the instructions in the Elsa Repair Manual.



Technical Service Bulletin

3. If this procedure does not lead to an improvement, continue the diagnosis on other components of the power supply for the power steering. Review the battery history data to help find the voltage drop.

Warranty

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	9794		
Damage Code:	0040		
Labor Operations:	Check current distributor	9794 0199	20 TU
	Replace current distributor	9794 5599	30 TU
Diagnostic Time:	GFF	0150 0000	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	No allowance	0 TU
Claim Comment:	As per TSB 2063526/3		

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.

Required Parts and Tools



Technical Service Bulletin

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.	Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.
Part Number	Part Number
See ETKA	See ETKA
See ETKA	See ETKA
Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.	Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.

Additional Information

All part and service references provided in this TSB (**2063526**) 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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