

Technical Service Bulletin

48 DTC B116831 is stored in the ABS control module

48 21 08 2063526/1 August 2, 2021.

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

Condition

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:

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).

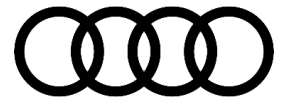
Production Solution

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.



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- This can be caused by a voltage drop in the power steering control module, J500 (address word 0044).
- The main fuse carrier may be the cause.

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

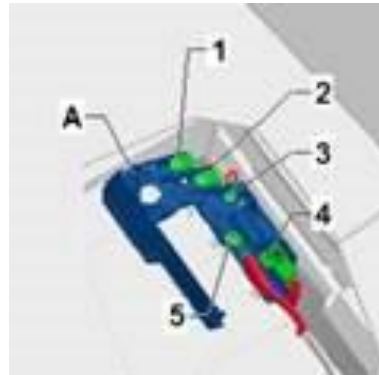


Figure 1. Fuse carrier's power supply to the power steering control module, J500 (address word 0044).

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.
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:	<ul style="list-style-type: none"> • 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)



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	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 #2063526/1		

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

Always check with your Parts Department and/or ETKA for the latest information and parts bulletins.		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
See ETKA	Fuse carrier	01

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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