



Technical Service Bulletin

48 Red steering warning light is on, DTC C10AC07 is stored in the power steering control module
48 22 16 2064018/5 January 31, 2022. Supersedes Technical Service Bulletin Group 48 number 21-14
dated December 14, 2021 for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A7, A8, Q5, SQ5, Q7, Q8, and e-tron quattro	2019	All	Not Applicable
A6, S6, A6 allroad, A6 Avant, RS 6 avant, Q7, S7, RS 7, Q5, SQ5, Q5 Sportback, SQ5 Sportback, Q7, SQ7, Q8, SQ8, RS Q8, e-tron quattro, and e-tron Sportback quattro	2020 – 2021	All	Not Applicable
A8, and S8	2021	All	Not Applicable
e-tron quattro, and e-tron Sportback quattro	2022	All	Not Applicable

Condition

Customer states:

- The red steering warning lamp lights up in the instrument cluster.
- The steering is heavy.

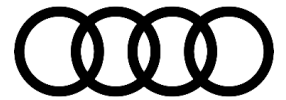
Workshop findings:

- The concern can be reproduced.

The following DTC is logged in the power steering control module, J500 (address word 0044):

- **DTC C10AC07** (Steering Malfunction) with symptom code 5258760.





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- If only the steering heavy concern is present (without DTC and/or warning in the cluster), proceed with the SVM update as described in the *Service* procedure and reevaluate the vehicle.
- If there are other DTCs logged in the J500, proceed with GFF/test plans to resolve them.

Technical Background

The software for the power steering control module, J500 (address word 0044) needs to be updated.

Production Solution

New software implemented in production.

Service

Proceed as follows:

1. Perform a visual check of the steering rack and steering boots, and verify if the steering wheel can be turned freely.
2. Check the “Control module temperature” value of address word 0044. The temperature should be >10°C at the live measured value before the software update.

SVM Update Instructions

3. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
4. Update the power steering control module, J500 (address word 0044) using the SVM action code **44A032** or **44A030** – See Note below) for parametrization of the control module.



Note:

- A. The software version will not change.
- B. Some specific hardware numbers may require the old SVM code 44A030.

Warranty

Claim Type:	<ul style="list-style-type: none">• 110 up to 48 Months/50,000 Miles.• G10 for CPO Covered Vehicles – Verify Owner.
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	<ul style="list-style-type: none">If the vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	4835		
Damage Code:	0040		
Labor Operations:	Remove and install noise insulation	1082 1900	See SRT with associated operations
	Check steering rack for damage and free movement	4835 0199	20 TU
	Software Update (Includes checking for DTCs)	0151 0000	Time stated on the diagnostic protocol (Max 50 TU)
Diagnostic Time:	GFF	No allowance	0 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 2064018/5		

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

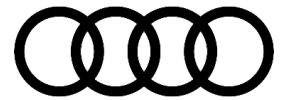
Additional Information

The following Technical Service Bulletin(s) will be necessary to complete this procedure:

- TSB 2011732: *00 Software Version Management (SVM), operating instructions*.

All part and service references provided in this TSB (2064018) 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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