



Technical Service Bulletin

94 Steering warning displayed in the instrument cluster
94 22 55 2065605/1 January 7, 2022.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A6, A6 allroad, S6, RS 6, A6 Avant, RS 6 Avant, A7, A7 PHEV, S7, and RS7	2019 – 2022	All	Not Applicable

Condition

Customer states:

- Warning message relating to the steering is displayed in the instrument cluster.
- Increased effort may be needed to steer the vehicle.

Workshop findings:

- There are various DTC's stored relating to the power steering module, J500 (diagnostic address 0044).
- Coupling point (TMR T1c/T1cx) to the electromechanical steering rack is oxidized.

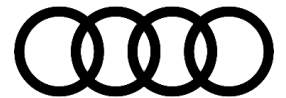
Technical Background

The contact in the connector housing oxidizes due to moisture ingress.

Production Solution

Not applicable.

Service



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1. During diagnosis of a steering warning concern, connector T1c/T1cx at the TMR station is found to be oxidized.

See Figures 1-6

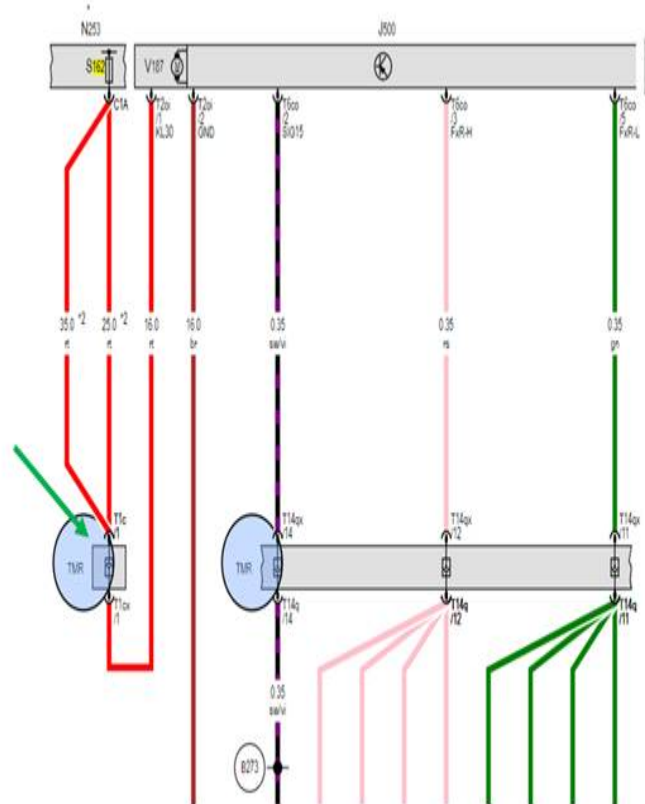
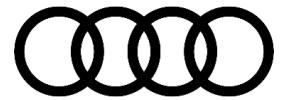


Figure 1: Connector station to be inspected.

2. If the contact at the vehicle side of the wiring harness (T1c) is oxidized it can be replaced with a repair cable. Refer to figure 6 or 7.

Order the appropriate repair cable:





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0K3 + LOL (high-voltage vehicles with left-hand drive): **4K1 974 177**

A

OR

0K4 + LOL (48V vehicles with left-hand drive): **4K1 974 177**

3. If the connector on the steering side of the harness (**T1cx**) is also affected, replace the steering harness section as well.

Figure 2: Connector T1c/T1cx at TMR location

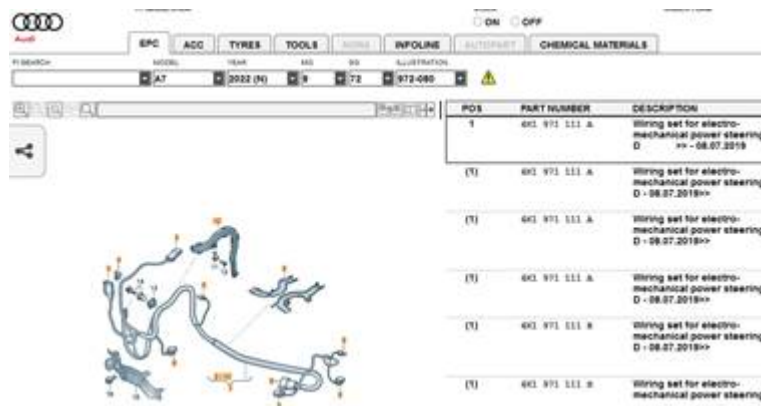


Figure 3: ETKA illustration 972-080

4.  **Note:**

This repair **DOES NOT** require the entire body harness to be replaced.



Figure 4: Oxidized connector at T1c



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5. If the concern matches the damage found in this TSB, take clear photos of your findings and submit these to DOC-IT.

Proceed with the following steps to repair the cable.

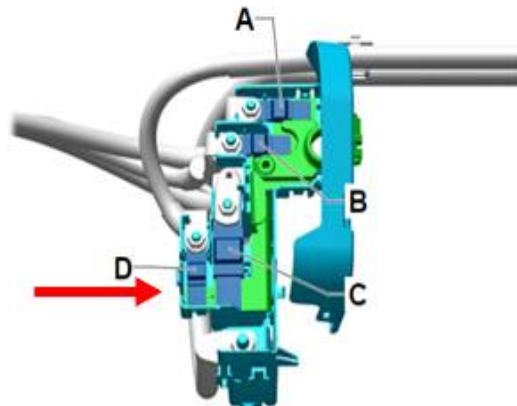
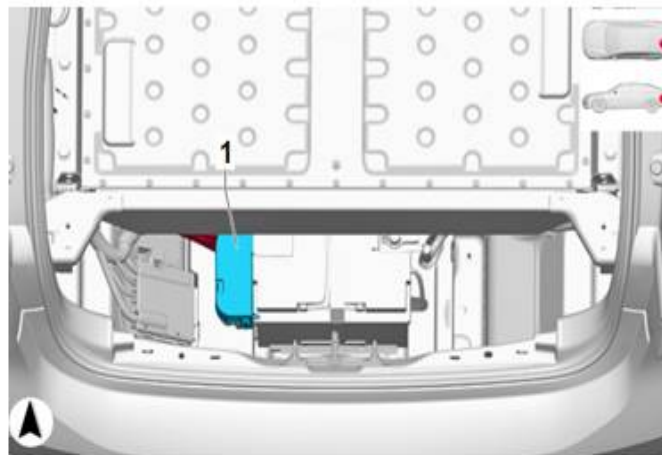


Figure 5: Oxidized wire at T1cx

Before starting the repair, de-energize the 12V system.

6. Route the repair cable from the central fuse (fuse D, 125A, figure 6 or 7 based on PR codes) on the 12V battery along the original wiring as far as the front right longitudinal member.


Wrap adhesive tape N 107 290 02 around the new repair cable in places so that the cable won't chafe or cause noises.





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Figure 6: PR number 0K3

- 7.  Note:
 - The old cable can remain in the vehicle.
 - The entire repair cable does not need to be wrapped in tape.
 - Harness tape is only needed in areas to keep the harness in place, free of chafing and noise.

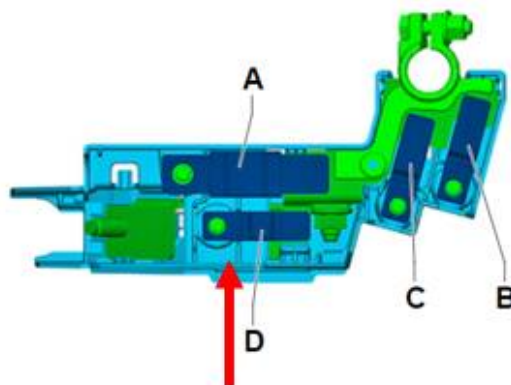
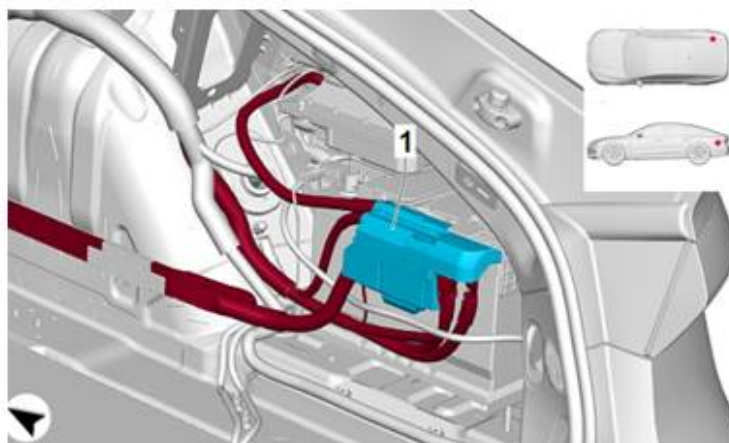


Figure 7: PR number 0K4

Warranty

Claim Type:	<ul style="list-style-type: none">110 up to 48 Months/50,000 Miles.G10 for CPO Covered Vehicles – Verify OwnerIf the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.
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Service Number:	9709		
Damage Code:	0033		
Labor Operations:	Remove and install luggage compartment side trim (rear)	7003 19XX	See SRT with associated operations
	Remove and install battery (PHEV ONLY PR. 0K3)	2706 1970	See SRT with associated operations
	Remove and install backrest	7247 1999	30 TU
	Remove and install lower B-pillar trim	7067 1999	20 TU
	Remove and install lower A-pillar trim	7057 1999	20 TU
	Remove and install front seat	7201 1999	30 TU
	Remove and install wheel	4405 1951	See SRT with associated operations
	Remove and install front wheel housing liner	6616 1999	30 TU
	Remove and install air filter	2325 1999 Or 2425 1999	40 TU
	Check wiring harness	9709 0199	10 TU
	Repair wiring harness	9709 4199	50 TU
Below only used if electromechanical steering rack harness is replaced.			



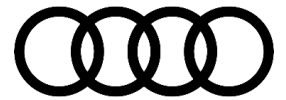
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	Remove and install noise insulation (if needed)	1082 1999	30 TU
	Replace electromechanical steering harness (if needed)	9740 5599	90 TU
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 100 TU)
	Road test prior to the service procedure	No allowance	0 TU
	Road test after the service procedure	0121 0004	10 TU
Claim Comment:	As per TSB #2065605/1		

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

The part numbers mentioned in this TSB are different than the ones listed in ETKA. Only use parts listed in this TSB, this includes superseding part numbers!		
Part Number	Part Description	Quantity
See ETKA	Fasteners, Bolts, Nuts, and Screws as needed per the Repair Manual	See ETKA/ELSA
4K1974177A	Repair cable only for 0K3 + LOL (high-voltage vehicles with left-hand drive)	01
4K1974177	Repair cable only for 0K4 + LOL (48V vehicles with left-hand drive):	01



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See ETKA	Wiring set for electromechanical power steering (ETKA illustration 972-080)	01 (if needed)
N10729002	Adhesive tape	.25
5G0886373	Grommet for rear seat bench	02

Additional Information

All parts and service references provided in this TSB (2065605/1) are subject to change and/or removal.

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