Technical Service Bulletin

94 "Electrical system fault" is displayed in the instrument cluster, DTC: P18F100, P0A1B00, U140500
93 23 02 2068617/3 April 12, 2023. Supersedes Technical Service Bulletin Group 94 number 23-61 dated January 17, 2023, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q4 e-tron quattro, and Q4 e-tron Sportback	2022	000001 - 034219	Not Applicable

Condition

REVISION HISTORY		
Revision	**Date**	**Purpose**
3	-	Revised *Header* (Added VIN break)
2	01/17/2023	Revised *Required Parts and Tools* (Added wiring seal and plug)
1	11/18/2022	Initial publication

Customer states:

The message ***"Electrical system: fault. Please contact workshop"*** intermittently appears in the instrument cluster.

Workshop findings:

One or more of the following DTCs are stored in the Electric Drive 2, J944 (address word 00CE):

- **DTC U140500:** *Terminal 15 implausible signal*
- **DTC P0A1B00:** *Drive Motor A control module*
- **DTC P18F100:** *Function limitation due to deviating wheel speeds*

Technical Background

Pins may have become damaged during the end-of-line check during production.

Production Solution

Assembly of wiring harnesses optimized during production.

Service

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Inspect connector T10 at power electronics 2 for electric drive JX4 for spread or damaged contacts:

If any damage is found to the pins or connector, replace the 10-pin connector and associated wires/pins.

Note: **DO NOT** de-pin the connector. Cut the connector off the harness leaving approximately 5cm of the harness attached to the connector. Retain the connector and harness section for analysis.

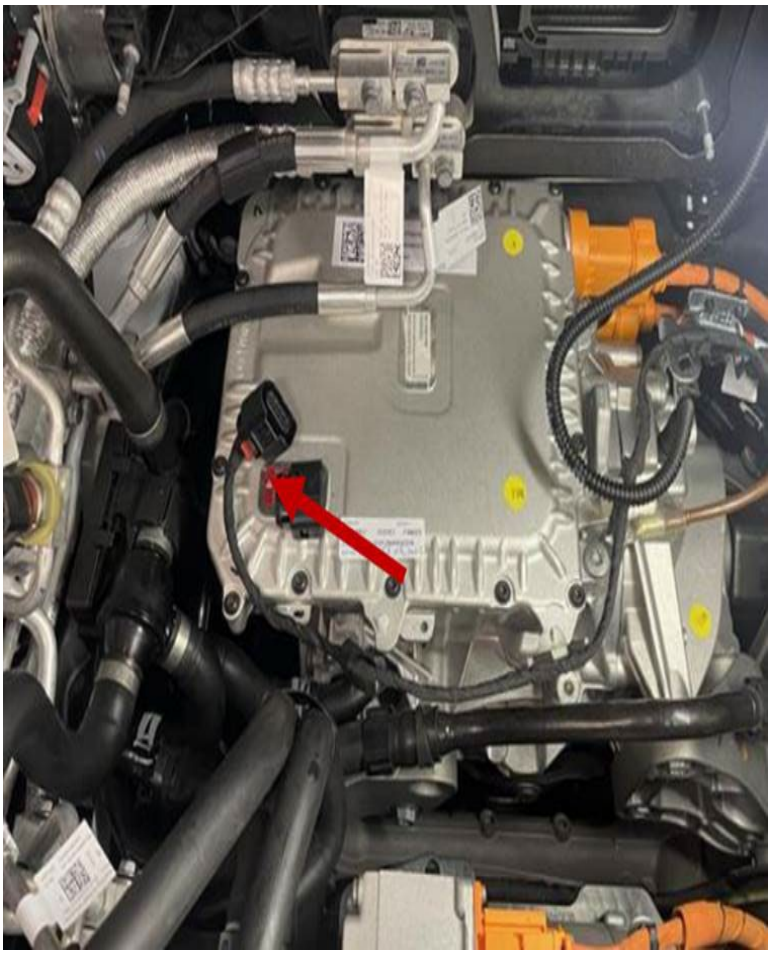


Figure 1: *10 Pin connector.*

Replace the connector and repair the harness using **VAS 1978B**.

In the warranty claim ensure part number **4H0 973 715 A** is claimed as the causal part.

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:	9709
Damage Code:	0023

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Labor Operations:	Remove and install outer heater/fresh air blower	8515 1950	See SRT with associated operations
	Check wiring harness	9709 0199	10 TU
	Repair wire harness	9709 4156	See SRT with associated operations
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 2068617/3		

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

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
4H0 973 715 A	Flat contact housing	1
000 979 025 EA	Individual wire	3
000 979 150 EA	Individual wire	1
357 972 740 E	Wiring seal, 0.35 – 0.5 mm²	5
3C0 972 741	Wiring seal, 1.0 mm²	1
3C0 972 841	Plug	4
000 979 940	Crimp connector	5
000 979 941	Crimp connector	1
N 105 920 02	Fabric adhesive tape	.1

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Tool Number	Tool Description
VAS 1978 B	Wire harness repair set
VAS 6160/VAS 6150	VAS tester with the current version of ODIS (Windows 10)

Additional Information

All parts and service references provided in this TSB (**2068617**) are subject to change and/or removal.

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