

Technical Service Bulletin



93 "Drive system: fault" displayed in cluster, vehicle does not start or drive. DTC's P0A6300, P0A5D00, P0A6000 stored
97 23 92 2069917/1 April 14, 2023.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q5 e quattro	2021 – 2023	All	Not Applicable

Condition

Customer states:

- Message in instrument cluster: "Drive system: fault" or "Electrical system: fault".
- The vehicle can no longer be started or the drive system cannot be activated.

Workshop findings:

One or more of the following DTC's are stored in the electric drive control module J841 (diagnostic address 0051 (intermittent or static):

- **DTC P0A5D00:** Drive Motor 'A' Phase U Current.
- **DTC P0A6000:** Drive Motor 'A' Phase V Current.
- **DTC P0A6300:** Drive Motor 'A' Phase W Current.

Technical Background

Variances in the welding process of the high-voltage wiring may lead to a malfunction of the cable.

Production Solution

Improved welding process implemented.

Service

⚠ DANGER

High voltage increases the risk of fatal injury.
Severe bodily injury or death by electrocution or electric arcs is possible.

– Have an Audi high-voltage technician or an Audi high-voltage expert de-energize the high-voltage system.



1. After the high voltage system has been de-energized, check the resistance of the internal conductors of each phase between JX1 and V141 (Figure 1) using a DVOM or similar.

- Extra attention should be placed on the phase specified by the DTC(s).
- Carefully inspect the connections and routing at each end BEFORE disconnecting the connections.

While testing the cables, it is necessary to wiggle test, pull/manipulate the cable and/or connector ends.

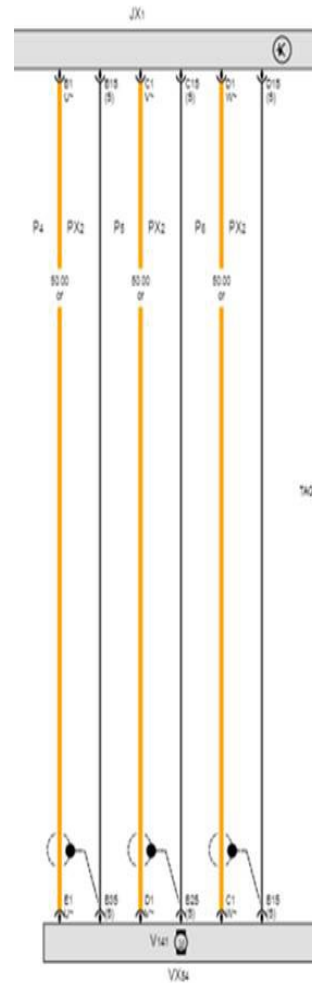


Figure 1: High voltage cables to be tested.



2. While testing, also wiggle test the connector on the power electronics side during measurement (yellow arrow, Figure 2).

If the resistance increases and changes, replace the high-voltage wiring harness.



Figure 2: Connector end at the power electronics module.



If the resistance does not change but you can rule out all other possible causes of the fault, replace the high-voltage wiring harness for drive motor.

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:	9330		
Damage Code:	0040		
Labor Operations:	Remove and install particulate filter	2674 19 xx	See SRT with associated operations
	Deactivate and activate high-voltage system	9310 8350	See SRT with associated operations



	Check high-voltage wire	9330 0199	130 TU
	Replace high-voltage wire	9330 5599	120 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 2069917/1		

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 illustration 970-010	High-voltage wiring harness for drive motor and electrical air conditioner compressor	01

Additional Information

All parts and service references provided in this TSB (**2069917**) are subject to change and/or removal.

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