

## Technical Service Bulletin

<b>Topic</b>	93 A6/Q6 e-tron Thermal management: P0A3C00 Drive Motor "A" Inverter Over Temperature
<b>Market area</b>	United States 444 Volkswagen of America, Inc. (6444)
<b>Brand</b>	Audi
<b>Transaction No.</b>	2076777/2
<b>Level</b>	EH
<b>Status</b>	Released for publishing
<b>Release date</b>	Sep 23, 2025

### Diagnostic trouble codes

Diagnostic address	Diagnostic trouble code	Fault symptom	Storage state
00CE - Electric drive 2	P0A3C00: Drive Motor "A" Inverter Over Temperature		static
00CE - Electric drive 2	P0A3C00: Drive Motor "A" Inverter Over Temperature		Intermittent
0051 - Electric drive	P0A3C00: Drive Motor "A" Inverter Over Temperature		static
0051 - Electric drive	P0A3C00: Drive Motor "A" Inverter Over Temperature		Intermittent

### New customer code

Object of complaint	Complaint type	Position
information, navigation, communication, entertainment -> malfunction display symbols -> fault display for electric motor	functionality -> activates	
information, navigation, communication, entertainment -> warning display symbols -> low coolant\coolant temperature warning display	functionality -> activates	
engine -> engine operation -> engine output characteristic -> engine output	dimensional accuracy -> too low	
engine -> cooling system -> coolant	component, automotive fluids -> too little	

### New workshop code

Object of complaint	Complaint type	Position
engine -> cooling system -> coolant hose flange	leaks -> connection leaks	

## Vehicle data

### Q6/SQ6 e-tron

#### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
GF*	2025	A		*	*	*

### A6 e-tron

#### Sales types

Type	MY	Brand	Designation	Engine code	Gearbox code	Final drive code
GH*	2025	A		*	*	*

## Documents

Document name
<a href="#">master.xml</a>

## Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised title (Add Model) Revised header (Add Model)
1	02/05/2025	Initial publication

### Customer states:

The following are displayed in the instrument cluster:

- Warning lamp for drive system (yellow).
- Drive system: fault. Limited performance. Please contact workshop.

### Workshop findings:

The following event memory entry is logged in the electric drive control unit (address 0051/00CE):

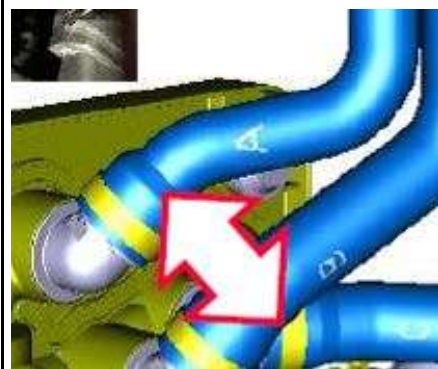
- **P0A3C00:** Drive Motor "A" Inverter Over Temperature.

## Technical Background

The various hose connections on coolant distributor 85E121406K are labeled "A", "B", "C", etc. This labeling is identical on the hoses to ensure it is clear which hose must be attached to which connection. An example can be seen in Figure 1, and the correct positioning is in Figure 2.



**Figure 1.** The label on the hose connection on the coolant distributor.



**Figure 2.** Correct positioning at top of distributor.

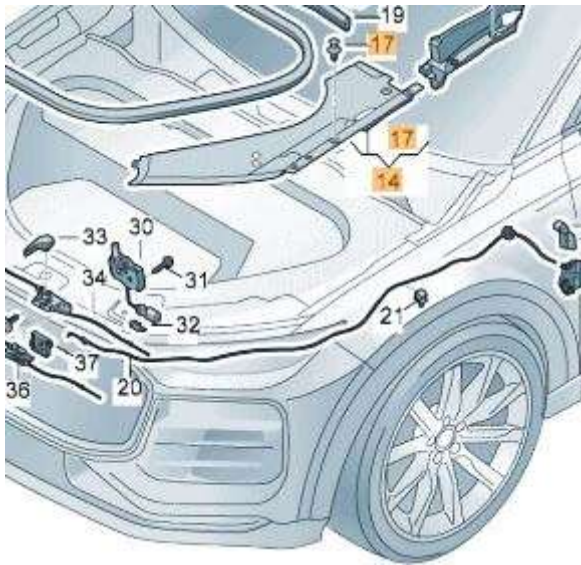
If the hoses are positioned incorrectly with increased force, this can cause the coding of connections A and B on the coolant distributor to be compressed in isolated cases. As a result, hose "A" can be incorrectly attached to connection "B" on the distributor.

### **Production Solution**

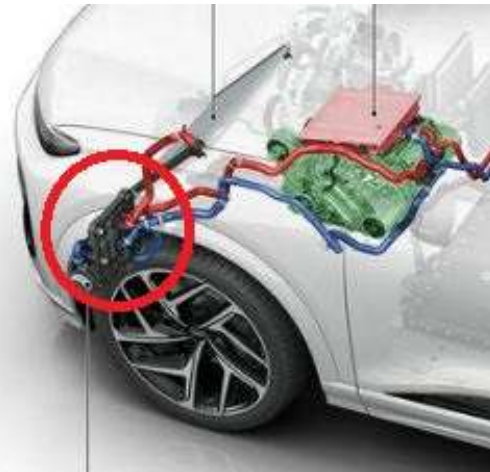
Not applicable.

### **Service**

Please remove the engine compartment cover at the left headlight (as seen in the direction of travel) and then use a telescopic mirror to check that hose "A" is positioned correctly, as described under "Technical background".



**Figure 3.** Illustration of the engine compartment cover.



**Figure 4.** Illustration of the installation position of the coolant distributor 85E121406K.

Procedure if positioning is incorrect:

- Prepare the cooling system for removal of the coolant distributor in accordance with the Workshop Manual.
- Disconnect hoses A and B from the coolant distributor.
- Check the seal seats on connections A and B on the coolant distributor.
- If the seal seat and the bayonet fastener in the coolant distributor are damaged, replace the coolant distributor in accordance with the Workshop Manual.
- Check the seals and connections on coolant hoses A and B.
- If damaged, replace the seals and, if necessary, the hoses.
- Connect the hoses to the coolant distributor in accordance with Workshop Manual (A-A and B-B, etc.).
- Fill and bleed the cooling system in accordance with the Workshop Manual.
- Erase any remaining event memory entries related to the fault.

When billing, please always attach photos that clearly show the complaint to DOC-IT. To ensure a reference to the vehicle, the image/video must:

- Include the VIN and date.
- Must not be edited.
- Should be in focus and taken with sufficient light. A high resolution is not necessary.

If appropriate, please mark the location of the problem so that parts analysis has a clear reference to the complaint. Please ensure that the photo documentation does not show any people and/or face, license plates, or customer data.

## Warranty

<b>Claim Type:</b>	<ul style="list-style-type: none"> <li>• If the vehicle is outside of any warranty, this Technical Service Bulletin is informational only.</li> </ul>
<b>Service Number:</b>	1962

<b>Damage Code:</b>	0010		
<b>Labor Operations:</b>	Check positioning of hoses	1959 0199	30 TU
	Remove and install front left wheel actuator	5073 1950	See SRT with associated operations
	Check coolant hoses	1962 0199	20 TU
	Top up coolant	1938 3550	See SRT with associated operations
	Replace coolant distributor (Only if necessary)	1959 1999	90 TU
	Replace coolant hose (Only if necessary)	1962 1999	20 TU
	GFF	0150 0060	Time stated on the diagnostic protocol
<b>Claim Comment:</b>	As per TSB 2076777/2		

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.

### Additional Information

All part and service references provided in this TSB (2076777) 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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