

Technical Service Bulletin



80 Poor, uneven or no cabin heating output, DTC B1581F6 stored in 0008 - HVAC Electronics

80 23 13 2070600/1 June 9, 2023.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
Q4 e-tron, and Q4 Sportback e-tron	2022 – 2023	All	Not Applicable

Condition

Customer statement:

The heating output in the vehicle is insufficient, uneven, or there is no heating output.

Workshop findings:

The following DTC is stored in the HVAC Electronics Control Module, J979 (address word 0008):

- **DTC B1581F6:** HV heater control module Temperature protection active

The DTC can be stored as either active/static or passive/sporadic.

Technical Background

If the air distribution is set with the vent outlets either partially or completely restricting the air flow the actuators adapt to these settings and can restrict the air flow further. This can cause the temperature of the high voltage heater ZX17 to rise high enough to activate the temperature protection function, temporarily deactivate the high voltage heater ZX17 and store DTC B1581F6.

Production Solution

Not Applicable

Service

Run the final control diagnosis function in ODIS for the air distribution and temperature control actuators to ensure all of the actuators and the flaps they control are functioning normally and without restriction. Then perform the actuator door end stop adaptation. Erase the DTC and check that normal cabin heating is restored.



Note:

It is not necessary to replace the high voltage heater (ZX17) in these cases.

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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:	8039		
Damage Code:	0040		
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 40 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 2070600/1		

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.

Additional Information

All part and service references provided in this TSB (**2070600**) 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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