



Technical Service Bulletin

85 Fresh air and air recirculation intermittently inoperative

85 22 24 2068131/1 September 29, 2022.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A7, A7 e quattro, and S7	2022	066228 – 899999	HVAC High
RS 7	2022	905658 – 999999	
A8, and S8	2022	009290 – 999999	
A6, and S6	2023	005147 – 007996	
RS 6 Avant	2023	900361 - 900919	
A7, and S7	2023	000001 – 066228	
RS 7	2023	900453 - 900827	
A8, and S8	2023	000001 - 000183	

Condition

Customer states:

While the air conditioning system functions, it seems to cool insufficiently. The cabin humidity level seems to remain high.

Workshop findings:

The following DTCs may be stored in 09 - Electronic Central Electrical (BCM):



Technical Service Bulletin

- **DTC U127300:** Fresh air door motor, no communication
- **DTC U127700:** Rear recirculation flap motor, no communication

The low air conditioning cooling output in the vehicle interior is confirmed. A function test of the fresh air and recirculation flap motors are likely to show no or intermittent operation. The source air is intermittently or not switched from outside air after activating recirculation from the control panel.

Technical Background

Vehicles for which this TSB appears may have been equipped with Recirculation Door Motor (V113) or Fresh Air Door Motor (V438) with part number 85E 820 511 prone to compromise the LIN communication. The motors will not move in these cases. Only control motors with part number 85E 820 511 are affected.

Production Solution

The control motor used in either the Recirculation Door Motor (V113) or Fresh Air Door Motor (V438) was changed in production to the control motor with part number 4M0 820 511 A. The symptom profile described in this TSB only occurs on vehicles for which this TSB appears and if equipped with control motor 85E 820 511.

Service



Technical Service Bulletin

1. Should the vehicle present with the symptom and DTC profile described in this TSB, and the part number of both control motors as labeled on the part is 85E 820 511, then replace both the Recirculation Door Motor (V113) and Fresh Air Door Motor (V438) with part number 4M0 820 511 A. Figure 1 shows the location of the part number stamp on the control motor.



Figure 1. Control motor part number location.

2. In many cases, the symptom / DTC entry occurs intermittently. In these cases, the DTC(s) may have been eliminated after the required number of symptom-free drive cycles. The control motors must also be replaced in this scenario.

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:	8578
Damage Code:	0040



Technical Service Bulletin

	Positioning motor remove and reinstall (Fresh air door)	8720 1900	See SRT with associated operations
	-and / or-		
	Positioning motor remove and reinstall (Bypass air system)	8720 1910	See SRT with associated operations
Diagnostic Time:	GFF	0150 0000	Time stated on the diagnostic protocol (Max 20 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 2068131/1		

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



Technical Service Bulletin

4M0820511A		2
	Motor for adjustment	

Additional Information

All parts and service references provided in this TSB (2068131) are subject to change and/or removal.

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