



Technical Service Bulletin

87 MIL on, P0EE200: A/C Refrigerant Distribution Valve "B" Stuck/Open" stored in C5 - Thermal management

87 23 46 2071040/1 July 28, 2023.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A7 e quattro	2021 – 2023	All	Not Applicable

Condition

Customer states:

The Check Engine Light (MIL) is on.

Workshop findings:

The following DTC is stored in the Thermal Management Control Unit, J1024 (address word 00C5):

- **DTC P0EE200:** A/C Refrigerant Distribution Valve "B" Stuck/Open.

Technical Background

The software for the Thermal Management control unit, J1024 (address word 00C5) needs to be updated.

Production Solution

New software in the Thermal Management control unit, J1024 (address word 00C5) addressed the condition.

Service



Applies to vehicles with high-voltage components:

To prevent charging of the high-voltage battery during the software update, the high-voltage cable is to be removed BEFORE entry of the SVM code on vehicles with high-voltage components.

Charging the high-voltage battery during a software update can damage the high-voltage components.

SVM Update Instructions



Always use DoIP when flashing a control module via ODIS in supported vehicles.

To Activate DoIP, select *Administration>>General>>GFF Process>>DoIP communication>>Only allow DoIP communication*



Technical Service Bulletin

This setting will automatically reset when the diagnostic session is ended.

You can tell if DoIP is active by observing a red LED on the VAS 6154(A)

1. Follow all instructions in TSB 2011732: 00 Software Version Management (SVM), operating instructions.
2. Update the J1024 (address word 00C5) using the SVM action code as listed in the table below, if necessary:

Model	Old Target Data Container Number	Old Target Data Container Version	New Target Data Container Number (or higher)	New Target Data Container Version (or higher)	SVM Code Input
A7 PHEV	4K8909476J/K/L	0023, 0025, 0026	4K8909476V*	0001	C5A004

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:	8711		
Damage Code:	0039		
Labor Operations:	Software Update (Includes checking for DTCs)	0151 0000	Time stated on the diagnostic protocol (Max 70 TU)
Diagnostic Time:	GFF	No allowance	0 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 2071040/1		

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 (**2071040**) 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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