



Technical Service Bulletin

01 MIL on (DTCs P0D7100, P0EBF00, P0EC900, or P053100 are stored in climatronic control module J255)

01 17 07 2046942/1 March 30, 2017.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
A3	2016	All	e-tron

Condition

MIL is on, but no DTCs are stored in the engine control module (ECM), J623 (address word 0001). The MIL is on as a network request, so no DTCs are stored in the ECM.

One or more of the following DTCs are stored in the climatronic control module, J255 (address word 0008). The DTCs will be passive / sporadic. Please note that some of the DTC text may appear in German due to an ODIS issue:

- **DTC P0D7100** (Electric A/C compressor control module internal temperature sensor performance, passive / sporadic)
- **DTC P0EBF00** (A/C Refrigerant Temperature Sensor "A" Range / Performance, passive / sporadic)
- **DTC P053100** (A/C Refrigerant Pressure Sensor Circuit Range / Performance, passive / sporadic)
- **DTC P0EC900** (A/C Refrigerant Distribution Valve Stuck Open, passive / sporadic or Ventil für Kältemittelverteilung klemmt offen, passive / sporadic)
- There may or may not be a functional restriction in the air conditioning system.

Technical Background

These DTCs are stored due to a software issue that causes an incorrect calculation during the refrigerant system self-check or the air conditioning compressor self-diagnosis.

Production Solution

Improved software in the climatronic control module, J255 (address word 0008) with more accurate system monitoring as well as improved compressor control has been implemented in production.



Technical Service Bulletin

Service

1. In cases where DTCs P0D7100, P0EBF00, P0EC900, or P053100 are stored erase all DTCs in the climatronic control module, J255 (address word 0008) regardless of their status (active, passive, sporadic). Cycle the ignition circuit (KL 15) and read the fault memory in the climatronic control module, J255 (address word 0008) again to ensure that none of these DTCs return before updating the software. Should any of these DTCs recur the diagnosis and repair should be performed using the GFF test plan as a separate issue. When completed clear the DTCs and update the climatronic control module, J255 (address word 0008).
2. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
3. Update the climatronic control module, J255 (address word 0008) using the SVM action code as listed in the table below:

Model	Engine and/or Transmission	Old Software Part Number	Old Software Version	New Software Part Number	New Software Version (or higher)	SVM Code Input
A3 e-tron	N/A	8V0 820 043*	0510	8V0 820 043*	0520	08A025

5. Thoroughly test drive the vehicle to ensure that there is no recurrence of these DTCs.



Technical Service Bulletin

Warranty

Claim Type:	• 110 up to 48 Months/50,000 Miles. • G10 for CPO Covered Vehicles – Verify Owner. • If vehicle is outside any warranty, this Technical Service Bulletin is informational only.		
Service Number:	8704		
Damage Code:	0039		
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 70 TU)
	Road test prior to service procedure	0121 0002	10 TU
	Road test after service procedure	0121 0004	10 TU
	Technical diagnosis at dealer's discretion (Refer to Section 2.2.1.2 and Audi Warranty Online for DADP allowance details)		
Claim Comment:	As per TSB #2046942/1		

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

The following Technical Service Bulletin will be necessary to complete this procedure:

- TSB 2011732 *00 Software Version Management (SVM), operating instructions*.

All part and service references provided in this TSB (2046942) are subject to change and/or removal. Always check with your Parts Dept. and service manuals for the latest information.

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