Technical Service Bulletin

01 MIL on (DTCs P26FD00 or P0EAE00 are stored in climatronic control module J255)

01 17 21 2047037/1 June 26, 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)
- **DTC P0EAE00** (A/C Compressor Motor Current Sensor Range / Performance, passive / sporadic or Klimakompressormotor Stromsensor unplausibles Signal, passive / sporadic)
- **DTC P26FD00** (Control unit for air conditioning compressor malfunction or Steuergerät für Klimakompressor Fehlfunktion)

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.

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Service

1. In cases where DTCs P0EAE00 and/or P26FD00 are present follow the GFF test plan for the respective DTC stored and replace the air conditioning compressor if directed with compressor part number **5QE 816 803 C**. When completed clear the DTCs and update the Climatronic control module, J255 (address word 0008) using the SVM action code as listed in the table below.
2. In cases where DTCs P0D7100, P0EBF00, P0EC900, or P053100 are stored refer to TSB 2046942 for repair instructions.
3. Follow all instructions in TSB 2011732: *00 Software Version Management (SVM), operating instructions*.
4. 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.

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:	8734		
Damage Code:	0040		
Diagnostic Time:	GFF	0150 0000	Time stated on diagnostic protocol (Max 90 TU)
	Refrigerant drain and refill	87 03 17 50	40 TU

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	Compressor remove and reinstall	87 34 19 21	80 TU
	Compressor replace	87 34 55 50	10 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 #2047037/1		

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

Part Number	Part Description	Quantity
5QE816803C	Air Conditioner Compressor	1
8E0260749C	Seal ring	1
4E0260749A	Seal ring	1

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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