



# Technical Bulletin

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
e-Golf	2015	All	All	AU_FW900001	AU_FW909581

## Condition

87 15 03 March 26, 2015 2040184

**Climatronic with Heat Pump - Sporadically Too Low Heating or Cooling Performance**

## Technical Background

The customer may complain that the cabin heating or cooling output is insufficient.

Software-related deviation in thermal management control unit.

- The vehicle interior is sporadically not sufficiently heated or cooled.
- The heating or cooling performance is sporadically too low.

**The following DTCs can be logged in the thermal management control unit:**

DTC	Description	Event Code
P1C1A00	Shut-off valve 1 for refrigerant, mechanical fault, active/static	4135
P1C3200	Shut-off valve 4 for refrigerant, mechanical fault, active/static	4136
P1C3A00	Shut-off valve 5 for refrigerant, mechanical fault, active/static	4137
P1C0200	Expansion valve 1 for refrigerant, mechanical fault, active/static	4138
P1C0A00	Expansion valve 2 for refrigerant, mechanical fault, active/static	4139
P1C1200	Expansion valve 3 for refrigerant, mechanical fault, active/static	4140
P1C1E00	Shut-off valve 4 for refrigerant, implausible signal passive/sporadic	59082



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P1C3600	P1C1E00 shut-off valve 4 for refrigerant, implausible signal passive/sporadic	59106
U112300	Data bus, received error value, active/static	36921
U112300	Data bus, received error value, active/static	37009
U112300	Data bus, received error value, active/static	37051

## Production Solution

Software 0108 implemented in production AU\_FW909581.

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## Service

### Procedure:

Update the software of the thermal management control unit (diagnosis address C5) with the software version management (SVM) according to the following table. Observe the **action code**.

 **Note:**

**If the software is already at 0108 this bulletin does not apply, further diagnosis is required.**

 **Tip:**

The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim.

 **Note:**

**Prior to launching ODIS application and starting control module update process, confirm tester screen saver and power settings in accordance with Special Tools and Equipment - Service Information Circular # VVT-12-02. Failure to do so may result in the tester entering power save mode during data transfer, and subsequent control module failure.**

- To perform the software update, after the full vehicle scan, click on the “Special Functions” tab and then select “Adapting Software”.
- Follow the on screen prompts to update the Thermal Management Control Unit using the SVM Unit code as listed in the tables below:

Model	Engine	Old Software Version	New Software Version	SVM Unit Code	Online
e-Golf	All	0101	0108	3C58	CW11/2015
e-Golf	All	0103	0108	3C58	CW11/2015
e-Golf	All	0105	0108	3C58	CW11/2015
e-Golf	All	0107	0108	3C58	CW11/2015

 **Tip:**

- **ODIS tester:** The ODIS tester patch version 2.2.3 and the baseline version 2.20.0 or higher must be installed.
- Make sure that a battery charger is connected to the vehicle battery.

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- Make sure that during the software update no electro-magnetic radiation sources (for example, mobile phones or cordless phones) are used in or near the vehicle.
- A cable connection between the ODIS tester and the vehicle must be used. When using a Bluetooth connection (diagnostic tool) the software update may fail.
- A cable connection between the ODIS tester and your workshop network must be used. When using a WiFi connection (diagnostic tool) the software update may fail.
- During the software update switch the hazard warning lights on to ensure a constant CAN data bus activity of the vehicle.

The SVM flash procedure can be found in GFF under Functions/ Component Selection, Software Version Management, Adapting Software.



**WARNING:**

**Radiator Fan(s) may cycle ON high speed during the update process! There is a serious risk that personal injury may result if contact is made with spinning fan blades. Keep hands and all objects away from Radiator Fan(s) during Update Process!**

- After the update is complete check and erase all DTCs.



**Tip:**

After the software update an initial run of the compressor must be carried out according to the Guided Functions. The SVM Process must be completed in its entirety so the database receives the update confirmation response. A warranty claim may not be reimbursed if there is no confirmation response to support the claim or action is carried out that is not explicitly stated in the Technical Bulletin.



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## Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup>					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
e-Golf	2015	All	All	AU_FW900001	AU_FW909581
<b>SAGA Coding</b>					
<b>Claim Type:</b>		<b>Use applicable Claim Type <sup>1)</sup></b>			
<b>Service Number:</b>	<b>Damage Code</b>	<b>HST</b>	<b>Damage Location (Depends on Service No.)</b>		
8848	0039	--	Use applicable when indicated in Elsa (L/R)		
<b>Parts Manufacturer</b>		<b>e-Golf</b>		<b>WVO <sup>2)</sup></b>	
<b>Labor Operation <sup>3)</sup> : Charge Battery</b>			27068950 = 10TU		
<b>Labor Operation <sup>3)</sup> : Update Programming</b>			88482599= 35TU		
<b>Causal Part: Select Labor Operation</b>			88482599		
<b>Diagnostic Time <sup>4)</sup></b>					
<b>GFF Time expenditure</b>	01500000 = 20 TU max.		Yes		
<b>Road Test</b>	01210002 = 00 TU 01210004 = 00 TU		NO		
<b>Technical Diagnosis</b>	01320000 = 00 TU max.		NO		
<b>Claim Comment: Input "As per Technical Bulletin 2040184" in comment section of Warranty Claim.</b>					
<sup>1)</sup> Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only <sup>2)</sup> Code per warranty vendor code policy. <sup>3)</sup> Labor Time Units (TUs) are subject to change with ELSA updates. <sup>4)</sup> Documentation required per Warranty Policies and Procedures Manual.					



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## Required Parts and Tools

No special parts required.

Tool Description	Tool No:
<b>Midtronics Battery Tester/Charger</b>	<b>InCharge 940 (INC-940) or GRX3000VAS</b>
<b>VAS Diagnostic Tool</b>	<b>VAS 6150/X &amp; VAS 6160/X with ODIS Service with: current online updates</b>

## Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.