Technical Bulletin

Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
e-Golf	2015-2016	All	All	All	All

Condition

87 16 04 April 21, 2016 **2043949**

Air Conditioning or Heating Inoperative

Customer states:

- Air Conditioning Inoperative
- Heating Inoperative

Technical Background

- The pressure/temperature sender has an electrical fault logged.
- The pressure/temperature sender is found leaking,

The pressure/temperature senders for the Thermal management/Heat Pump system cannot not be auto addressed using the GFF function test.

One of the following event entries can be logged in the air conditioning control unit (examples for only sender 1 listed below)

- 0x00E696 P1C5900 A/C pressure/temperature sensor 1 Faulty
- 0x00E691 P1C5800 A/C pressure/temperature sensor 1 Faulty
- 0x00E697 P1C5900 A/C pressure/temperature sensor 1 Faulty
- 0x00E698 P1C5900 A/C pressure/temperature sensor 1 Faulty
- 0x009122 P1C5900 A/C pressure/temperature sensor 1 Faulty

Note:

The event entries may be logged for other refrigerant pressure/temperature senders 1 thru 5.

Production Solution

Production change, service parts pending.

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Service

At the moment, an auto addressing of the refrigerant pressure/temperature senders cannot be performed. Therefore the appropriate refrigerant line with pressure /temperature sender must be ordered. The refrigerant line with the pressure/temperature sender ordered through the parts catalogue is auto addressed and can be allocated to the relevant position in the refrigerant circuit of the air conditioning system (by the air conditioning control unit).

Part Description	Part No:
AC Line with Temperature/Pressure Sensor 3 (G827)	**5QE 820 741***
AC Line with Temperature/Pressure Sensor 4 (G828)	**5QE 820 750***
AC Line with Temperature/Pressure Sensor 1 (G395)	**5QE 820 721***
AC Line with Temperature/Pressure Sensor 2 (G826)	**5QE 820 017***
AC Line with Temperature/Pressure Sensor 5 (G829)	**5QE 820 743***

- Order the refrigerant line with the pressure/temperature sender according to the parts catalogue.

Note:

Only the pressure/temperature sender is needed. Do Not replace the Air Conditioning line. The refrigerant line is to be discarded.

- Replace the refrigerant pressure/temperature sender, See Repair Manual /Heating Ventilation and Air Conditioning /87 Air Conditioning /Refrigerant Circuit in Elsa.

Note:

It is absolutely necessary to perform the basic setting "C5-fill the refrigerant circuit" using the Vehicle Diagnostic Tester so that all refrigerant circuit valves are open. Only then can the entire circuit be extracted.

Do not disconnect the Vehicle Diagnostic Tester from the vehicle during the entire extraction, evacuating and filling process.

- Check/delete the event entry on the sender for the refrigerant pressure/temperature according to the guided fault finding.

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Warranty

Note:

A GFF log must be included with the warranty claim.

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual [1]					
Model(s)	**Year(s)**	**Eng. Code(s)**	**Trans. Code(s)**	**VIN Range From**	**VIN Range To**
e-Golf	2015-2016	All	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type [1]				
Service Number:	**Damage Code**	**HST**	**Damage Location (Depends on Service No.)**		
8709	0039	--	Use applicable when indicated in Elsa (L/R)		
Parts Manufacturer	e-Golf	CY1 [2]			
Labor Operation [3] : Charge Battery	27068950 = 10 TU				
Labor Operation [3] : Refrigerant drain + refill	87031700 = 60TU				
Labor Operation [3] : Remove and Install **Pressure /temperature sensor G 395 only**	88541903 = 20 TU				
Labor Operation [3] : Remove and Install **Pressure /temperature sensor G 827 only**	88541906 = 20 TU				
Labor Operation [3] : Remove and Install **Pressure /temperature sensor G 828 only**	88541909 = 20 TU				
Labor Operation [3] : Remove and Install • **Pressure /temperature sensor G 829 only**	88541912 = 40 TU				
Labor Operation [3] : Disable HV system voltage	93100006 = 110 TU				

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Labor Operation [3] : Remove and Install Pressure /temperature sensor G 826 only	88541900 = 30 TU	
Causal Part:	4M0959603	
Outside Material: ZVP000134	As Required (with Rob134APF print out)	
Diagnostic Time [4]		
GFF Time expenditure	01500000 = 20 TU max.	YES
Road Test	01210002 = 00 TU 01210004 = 00 TU	NO
Technical Diagnosis	01320000 = 00 TU max.	NO
Claim Comment: Input "As per Technical Bulletin 2043949" in comment section of Warranty Claim.		
[1] Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only [2] Code per warranty vendor code policy. [3] Labor Time Units (TUs) are subject to change with ELSA updates. [4] Documentation required per Warranty Policies and Procedures Manual.		

Required Parts and Tools

Note: A GFF log must be included with the warranty claim.

Tool Description	Tool No:
Midtronics Battery Tester/Charger	InCharge 940 (INC-940) or GRX3000VAS
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X with ODIS Service with: current online updates
A/C Machine	Rob134APF

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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.

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