



87-22-01 - Air Conditioning System Inoperative or Does Not Cool

Release date: 7/27/2022

Condition

Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
ID.4	2021	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2067639/1	07/27/2022	87-22-01	Original publication.

The Air Conditioning is inoperative or the A/C Pressure/Temperature Sensor -**G395**- has an electrical fault logged (diagnostic address 0008).

DTC	Description
P053000	pressure sensor for air conditioning system, electric fault
P053300	pressure sensor for air conditioning system - signal too big
P053100	refrigerant pressure 1, implausible signal
P0EBC00	refrigerant temperature sensor 1 of air conditioning system, electric fault
P0EBF00	refrigerant temperature sensor 1 of air conditioning system, implausible signal
U060500	refrigerant sensor 1 of air conditioning system, no communication



Note:

A GFF log must be included with the warranty claim.

All documentation is needed for reimbursement and must be uploaded to WISE. For information on uploading documents and pictures in WISE, go to WISE > Resource Center > Dealer Processes & Guide, select pdf file: Wise Operations Section – Doc-IT Technical Bulletin Uploading Process Job Aid.



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Technical Background

A component-related deviation in the A/C Pressure/Temperature Sensor -**G395**-.

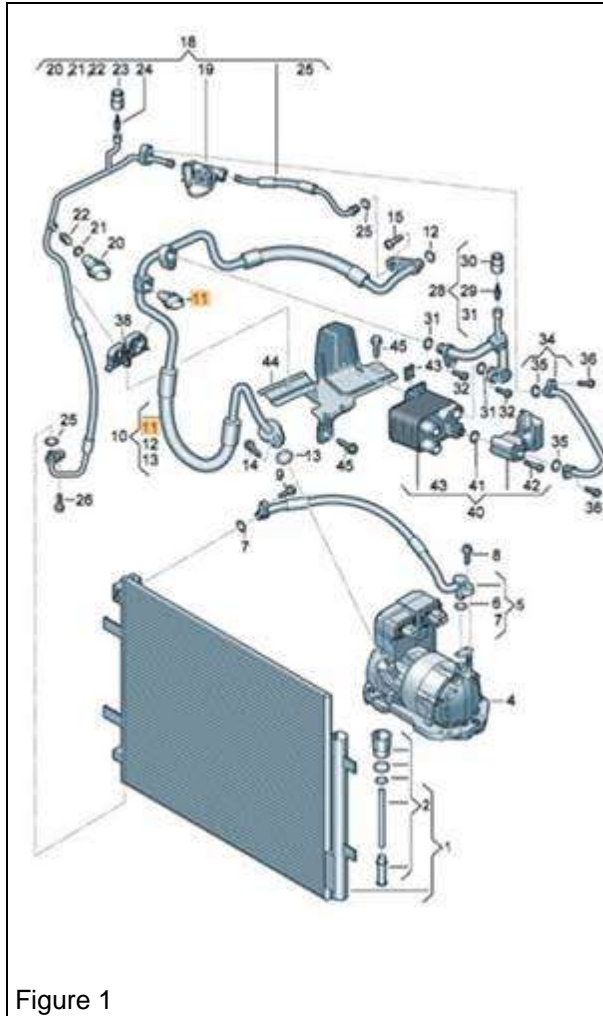


Figure 1

Component location example of the A/C Pressure/Temperature Sensor -**G395**-, in the ID.4 (number 11 highlighted).



Tip:

The -**G395**- is located on the low pressure AC line.

Production Solution

No production change required.

Service

Procedure:

- Replace the A/C Pressure/Temperature Sensor -**G395**-. See Repair Group 87 in Elsa.



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Warranty



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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
ID.4	2021	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	0040	-		Use applicable when indicated in Elsa (L/R)	
Parts Manufacturer	ID.4		3Y1		
Labor Operation ³⁾: Charge Battery			27068950 = See Elsa for latest time units		
Labor Operation ³⁾: Refrigerant drain + refill			87031700 = See Elsa for latest time units		
Labor Operation ³⁾: Remove and Install A/C Pressure/Temperature Sensor -G395-			87091955 = See Elsa for latest time units		
Causal Part:			4M0.959.XXX		
Outside Material: ZVP000134YF			As Required (with Mahle, RobinAir and ECO print out)		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 50 TU max.			YES	



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Road Test	01210002 = 00 TU 01210004 = 00 TU	NO
Technical Diagnosis	01320000 = 00 TU max.	NO
Claim Comment: Input "As per Technical Bulletin 2067639" in comment section of Warranty Claim.		
<p>1) Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.</p> <p>2) Code per warranty vendor code policy.</p> <p>3) Labor Time Units (TUs) are subject to change with ELSA updates.</p> <p>4) Documentation required per Warranty Policies and Procedures Manual.</p>		

Required Parts and Tools

Part No:	Part Description	Quantity
4M0.959.603.E	Pressure and temperature sensor	1
Part numbers are accurate at time of publication. Always refer to ETKA for the latest part information.		

Tool Description	Tool No:
Midtronics Battery Tester/Charger	GRX3000VAS or MTRMSP0702 battery maintainer/charger
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X and ODIS Service with: current online updates
A/C Machine	MAHLE R1234yf A/C Service Unit VAS581005 Or Robinair R1234yf - ROB1234YFX Or ECO NEXT ONE - EEAC830BVW

* Call Volkswagen Tools and Equipment Program, Snap-On® Business Solutions (SBS) at 1-800-892-9650.



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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.