



93-24-05 - Charging Circuit Interrupting Device (CCID) trips during AC charging with Faults P1D6E00 and U19FF00

Release date: 7/30/2024

Condition

Applicable Vehicles						
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To	PR Code
ID.4	2024	All	All	All	All	KB9

Revision Table			
Instance Number	Published Date	Version Number	Reason for Update
2074682/1	7/30/2024	93-24-05	Original publication.

Customer Concern:

- When charging the vehicle from an AC (alternating current) charge station the Ground Fault Circuit Interrupter (GFCI) of the 120V outlet trips (level 1) or the charge station’s internal Charging Circuit Interrupting Device (CCID) trips (level 1 or 2).
- The vehicle/high-voltage battery cannot be charged from an AC charge station.

and

The customer concern can be reproduced.

In the control unit for the High-Voltage Battery Charger -AX4- (diagnostic address 00C6) the following DTCs are stored (static or sporadic):

- P1D6E00: Battery charger, charging module 1 Malfunction
- With symptom code: 397370

and

- U19FF00: High-Voltage Battery Charger Non-standards-compliant network connection detected
- With symptom code: 397378

**NOTICE**

**If the above DTCs and specific symptom codes are not present at the start of diagnosis, this technical bulletin does not apply. Unnecessary replacement of the high-voltage battery charger - AX4- under warranty will be debited!**



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## Technical Background

Component-related deviation in the control unit of the High-Voltage Battery Charger **-AX4-** (diagnostic address 00C6).

## Production Solution

Not applicable.

## Service

### 1. Identify the production date of the currently installed High-Voltage Battery Charger **-AX4-**

- To inspect the production date, save a copy of the current GFF log and open it. Expand the “identification” section of Diagnostic Address 00C6. Note: the date is in dd.mm.yyyy format.
- If the production date is 05.02.2024 or earlier, the **-AX4-** must be replaced per the procedures outlined in the Elsa repair manual – no further work is necessary.
- If the production date is later than 05.02.2024, proceed to step 2.

**Address: 00C6 System name: 00C6 - High-voltage battery charger Log versions: UDS/ISOTP (Ereignisse: 2)**

**Identification:**

Data source:	Vehicle
Hardware part number:	1EK915692H
Part number:	1EK915692H
Hardware version number:	H03
Software version number:	5206
Production date:	12.11.2023
Coding:	<input type="checkbox"/>
Coding:	308010
Ability to flash:	Unknown
System name:	OCDC Gen4+
ASAM base version:	BV_BatteChargContrModulUDS
ASAM 2D/ODX data set:	EV_OCDCXPHASERB8MEBB
ASAM 2D/ODX data set version:	001017
ASAM/ODX control module version being used:	EV_OCDCXPHASERB8MEBB_001
Target data container:	-----
Version of the target data container:	----
Equipment code:	00 00 00 00 00 00 00 00
System abbreviation:	J1050

Figure 1) Example: Identification of High-Voltage Battery Charger **-AX4-** (diagnostic address 00C6) through GFF log with production date 12.11.2023.



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2. Contact the Volkswagen Group TAC for further instructions.

- Contact the Volkswagen Group TAC via a TAC web ticket. Provide the TSB number 2074682/\* in the comments so that a reference to this TSB can be made.
- Further instructions will be provided through the TAC ticket.

Warranty

<b>To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual <sup>1)</sup></b>					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
ID.4	2024	All	All	All	All
<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>	
9352	0010	--		--	
<b>Parts Manufacturer</b>	ID.4			BOO <sup>2)</sup>	
<b>Labor Operation <sup>3)</sup></b> : GFF/Guided functions (including Battery charge)			01 50 00 10 = see Elsa for latest time units		
<b>Labor Operation <sup>3)</sup></b> : Coolant inspect+add			19 38 35 50 = see Elsa for latest time units		
<b>Labor Operation <sup>3)</sup></b> : HV System deactivated and activated			93 10 83 50 = see Elsa for latest time units		
<b>Labor Operation <sup>3)</sup></b> : High-voltage charger removed+reinstalled (with integrated voltage converter)			93 52 19 70 = see Elsa for latest time units		
<b>Labor Operation <sup>3)</sup></b> : High-voltage charger replaced			93 52 55 50 = see Elsa for latest time units		
<b>Causal Part:</b>			1EK.915.685.K		



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Diagnostic Time <sup>4)</sup>		
<b>GFF Time expenditure</b>	01500060 = Actual GFF print out (75 TU max.)	YES
<b>Road Test</b>	01210004 = see Elsa for latest time units	YES
<b>Technical Diagnosis</b>	01320000 = 00 TU max.	NO
<b>Claim Comment:</b> Input "As per Technical Bulletin 2074682" 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
1EA.915.685.K	CHARGER	1
<b>Part numbers are accurate at time of publication. Always refer to ETKA for the latest part information.</b>		

Tool Description	Tool no:
VAS Battery Tester / Charger	VAS 5908
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X and ODIS Service with: current online updates
Shop Crane - Drip Tray	VAS 6208
Hose Clamps - up to 25mm	3094
Engine Bung Set	VAS 6122



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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.