

Attached is the repair cost calculation for the VIN
WAUZZZGE0XXXXXXXXX, created on 15/07/2026, 13:22, requested by:
Robert Placen (Vehicle Appraiser)

This account is part of the following organisation:
Placen & Partner Vehicle Appraisers

VIN: **WAUZZZGE0XXXXXXXXX**
Mileage: **185.996 km**
Date: **15/07/2026, 13:22**
Car brand: **Audi**
Car series: **etron**
Car model: **etron (GE)**
Build year: **2022**
Fuel type: **Electric**
Report ID: **6a58a3d94c1b200735e8b2c7**
Adapter ID: **Carly640595**

Total cost range

1,240–1,780 €

The retrieved FIN matches the FIN stored in the report

Digital



The calculation is based on non-binding parts prices (RRP), regional average hourly rates (€145 per hour) and model-specific labour times. The actual effort may deviate after workshop findings. Carly Solutions GmbH & Co. KG assumes no guarantee for price information.



Calculation method

For each item, the fault cause, the affected component and the vehicle-specific repair steps are determined. Items with a fault code are derived directly from the fault memory; items without a fault code are based on customer complaints and visual inspection. Parts prices and labour times are assigned model-specifically.

565–830 €

Items with fault code

675–950 €

Items without fault code

Some technical terms are shown in English because they come directly from the vehicle or manufacturer systems.

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Items with fault code

Total: 3

1. HV battery charger – faulty communication

Fault code reference:	"Intelligent charging function. faulty communication" / "Databus missing message"	
Fault cause:	Message failure on the data bus, charger software version outdated	
Affected component:	Charger control unit (on-board charger)	
Repair steps:	1. Bus diagnostics charger 2. Software update on-board charger 3. Function test AC charging (11 kW)	
Labour time	Parts (RRP)	Cost range
1.6 h	0–120 €	230–350 €

2. Charge flap 1 – search illumination open circuit

Fault code reference:	"Charge flap 1 search illumination. Open circuit"	
Fault cause:	Wire break in the area of the charge flap hinge	
Affected component:	Wiring harness charge flap front left	
Repair steps:	1. Visual inspection charge flap 2. Repair wiring harness 3. Function test illumination	
Labour time	Parts (RRP)	Cost range
0.9 h	25–60 €	155–190 €

3. Battery management system – internal RAM error

Fault code reference:	"Internal Contr.Module Random Access. Memory (RAM) Error"	
Fault cause:	Sporadic internal memory error of the BMS control unit	
Affected component:	Battery management control unit (BMS)	
Repair steps:	1. Control unit reset 2. Software update BMS 3. 48 h monitoring; if the fault reoccurs, replacement (replacement case: 1,850–2,400 €)	
Labour time	Parts (RRP)	Cost range
1.2 h	0 €	180–290 €

Cost ranges include parts (RRP) and labour; excluding any consequential damage. Quoted entries are taken unchanged from the vehicle's fault memory.

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Items without fault code (symptom-based)

Total: 3

4. Range loss (customer complaint)

Symptom:	Subjectively reduced range in winter operation	
Finding:	BatteryCheck (SoH test) performed: State of Health 90.11% – age-appropriate condition, no anomalies in the high-voltage system	
Labour time	Parts (RRP)	Cost range
0.5 h (diagnostics)	–	0 € (no action)

5. Rattling noise front axle

Symptom:	Rattling at low speed over bumps	
Finding:	Stabiliser links front with noticeable play on both sides	
Affected component:	Stabiliser links front axle left and right	
Repair steps:	1. Replace stabiliser links on both sides 2. Test drive and noise check	
Labour time	Parts (RRP)	Cost range
0.8 h	90–140 €	240–320 €

6. Brake pads front axle – wear limit

Symptom:	No fault code; identified during visual inspection	
Finding:	Remaining pad thickness front approx. 3 mm, wear limit reached	
Affected component:	Brake pads front axle incl. wear sensor	
Repair steps:	1. Replace front brake pads 2. Replace wear sensor 3. Bedding-in procedure and function test	
Labour time	Parts (RRP)	Cost range
1.1 h	210–390 €	435–630 €

Total cost range (items 1–6): 1,240–1,780 €

Cost ranges include parts (RRP) and labour; excluding any consequential damage. The actual effort may deviate after workshop findings.