

9YA, 9YB PHEV- HV Battery Actual Values Not Plausible

Vehicles Affected

Models	Model Year	Model Type	VIN Range	Vehicle-Specific Equipment
Cayenne	As of 2024 up to 2025	9YA, 9YB	N/A	PHEV

Revision History

Revision	Release Date	Changes
0	August 27, 2024	Original document

Condition

The workshop finds implausible actual values in HV battery module 8 cells 12 and 13 for both charge and voltage readings. The normal readings for charge and voltage are shown in figures 1 and 2 respectively.

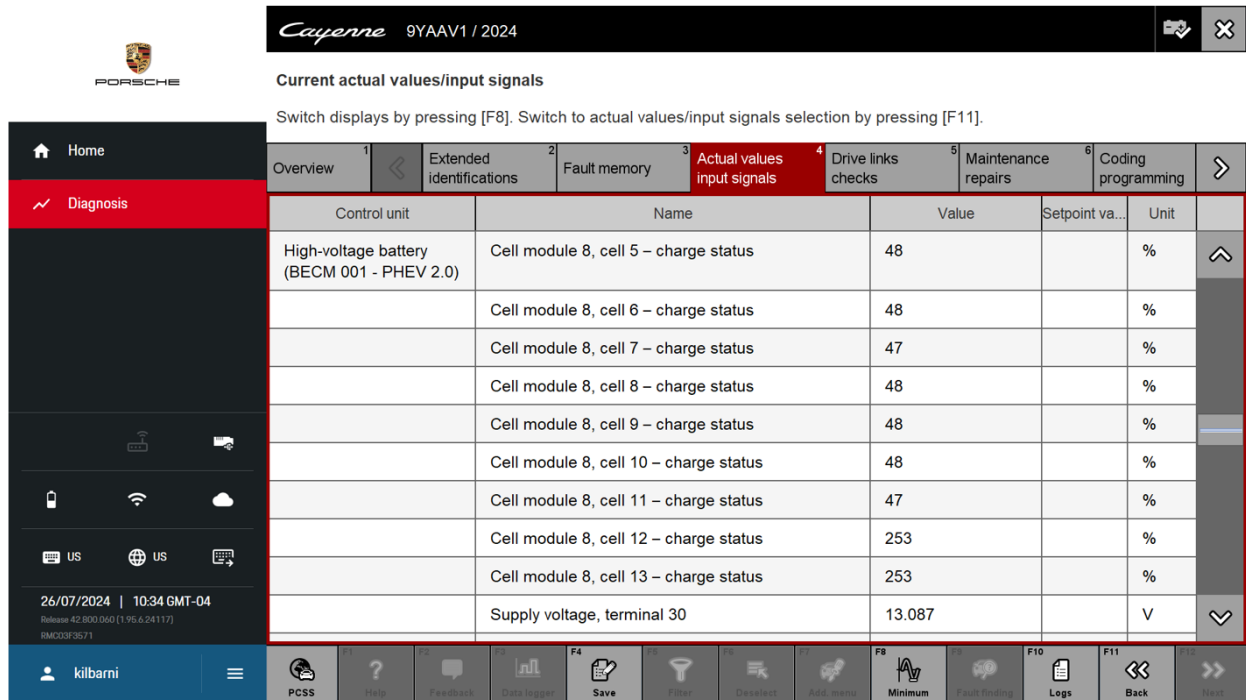


Figure 1: Implausible charge status for module 8 cells 12 and 13

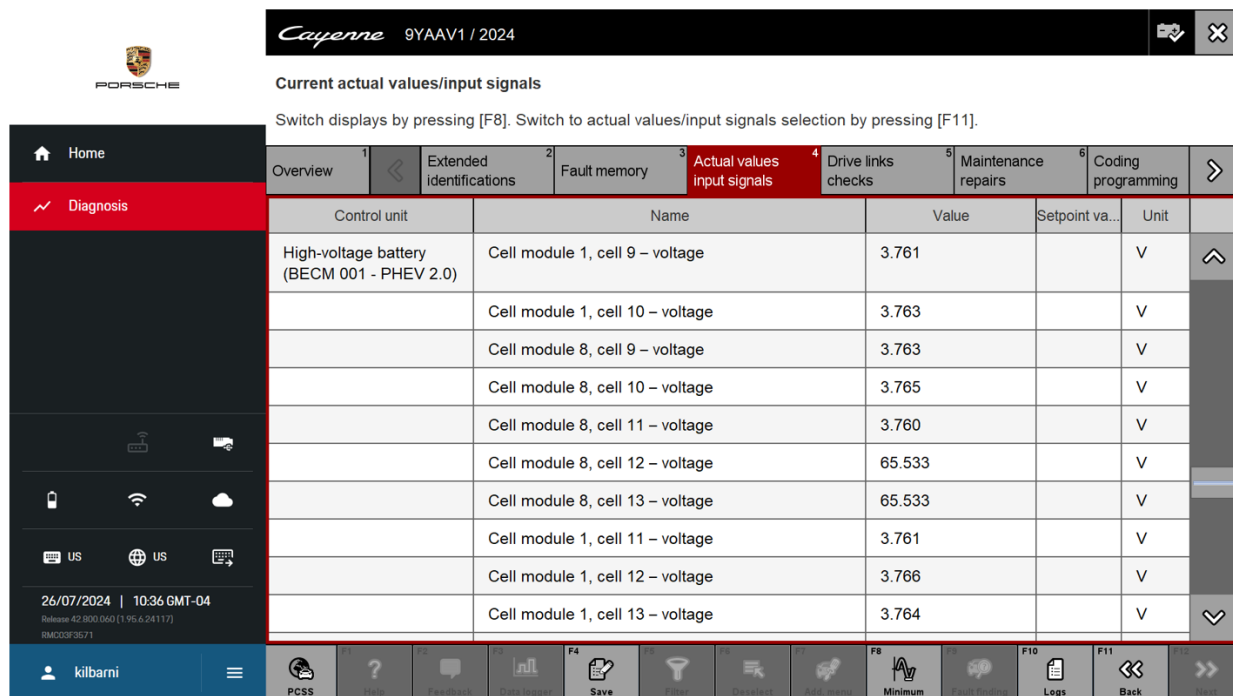


Figure 2: Implausible voltage values for module 8 cells 12 and 13

Technical Background

The actual values for each battery cell listed in the PIWIS Tester do not correspond to the modules in the latest generation HV battery due to a change in module design. An in-depth overview and description of the new HV system is available in the [SIT Cayenne 24](#) starting on page 90. The table below summarizes the cell distribution break-down between generations for quick reference.

	Previous Generation (MY 2019-2023)	Current Generation (MY 2024+)
Modules	8	6
Cells per module	13	17
Total cells	104	102

Service Information

This behavior of HV battery cell actual values is currently a known defect in the PIWIS Tester software. When performing diagnosis of any faults in the PHEV 2.0 HV battery, these last two values of module 8 should not be taken into consideration as they do not physically exist.

This bulletin will be updated when the PIWIS Tester SW is modified to display the correct HV battery module-cell correlation.

Warranty

There is currently no warranty information available as this bulletin is for information purposes only.

Search Items

Cayenne, PHEV, 70Ah, BMC, PHEV 2.0, actual values, HV battery

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