

Macan Electric (XAB) – AC Charging at Home Not Possible after WSJO

Vehicles Affected

Model	Model Year	Model Type	Vehicle-Specific Equipment
Macan Electric (XAB)	2024-2026	All	N/A

Revision History

Revision	Release Date	Change
0	March 20, 2026	▪ First Publication
1	March 26, 2026	▪ Update to Service Information
2	April 16, 2026	▪ Update to APOS
3	May 26, 2026	▪ Update to Service Information

Condition

Customers report an inability to charge at home on an AC Charger following completion of Workshop Campaign WSJO.

Charging is still possible on AC chargers at the workshop, AC Public Chargers, and Public DC Fast Chargers. The issue only occurs when charging at the home of the customer.

Technical Background

The High-Voltage Central Box is recognizing voltage fluctuations in the customer's home infrastructure and is not allowing a charging session to begin.

Service Information

The following procedure is only relevant to vehicles that meet the following criteria:

1. The vehicle was able to charge at the home of the customer prior to the completion of the campaign WSJO

2. The vehicle is no longer able to charge at the home of the customer after the completion of the campaign WSJO
3. The vehicle is still able to charge at other AC Charging stations away from the customer's home, including in the workshop using the same Porsche Mobile Charger and at public AC Charging stations

If the vehicle does not meet any of the above criteria, please continue with further diagnosis using the standard procedures for troubleshooting AC Charging complaints and do not perform the following procedures.

Note: The applicable repair procedure varies by model year. Please verify that you are following the correct procedure for the applicable model year below.

For MY26+: The High-Voltage Central Box SW level 0449 will be updated to SW level 0452.

Procedure:

Note: This procedure includes steps where control unit(s) in the vehicle will be programmed with the PIWIS Tester. The vehicle voltage must be maintained between 13.5 volts and 14.5 volts during this programming. Failure to maintain this voltage could result in damaged control unit(s). Damage caused by inadequate voltage during programming is not a warrantable defect.

1. Verify that the vehicle can AC charge in the workshop
2. Create a VAL
3. Use the Integration Test [F3] to identify the optional update for the High-voltage central box (JX6)

Macan XABAA1 / 2026

Vehicle control unit integration test

Test showed all control units in the target state. Perform action using [F5]

Control unit	Status	Necessary action
High-voltage central box (JX6)	✔	optional update available
Rear lid proximity sensor control unit (J938)	✔	
Side Surround View camera right (R245)	✔	
Main control unit for body electronics HCP4 (J519) - air conditioning and spoiler	✔	
Front camera (R242)	✔	
Niedervolt Leistungsverteiler (J1282)	✔	
Surround view camera for front trim (R243)	✔	
Surround View camera on left side (R244)	✔	
Front driver side door handle proximity sensor (J1169)	✔	
Compressor (J1075)	✔	

PCSS Help Campaign Back

4. Read and follow the information and instructions on the PIWIS Tester to perform the update.
5. After the update, verify the SW level is changed to 0452 and create a VAL
6. Verify that the vehicle is still able to AC Charge at the workshop

For MY 24-25:

The High-Voltage Central Box SW level 0449 will be reverted to SW level 0346 which was the SW level before the WSJO campaign was completed. This reversion should only be performed on vehicles meeting the three criteria above as SW level 0449 brings significant improvements to vehicles not exhibiting this behavior.

Once this reversion to SW level 0346 is finished, the High-Voltage Central Box will show that an optional update is available to return to SW level 0449. This optional update must not be performed.

Macan XABFD1 / 2024

Vehicle control unit integration test

Test showed all control units in the target state. Perform action using [F5]

Control unit	Status	Necessary action
High-voltage central box (JX6)	✔	optional update available
Rear lid proximity sensor control unit (J938)	✔	
Side Surround View camera right (R245)	✔	
Main control unit for body electronics HCP4 (J519) - air conditioning and spoiler	✔	Do Not Perform
Front camera (R242)	✔	
Power distributor (J1282)	✔	
Surround view camera for front trim (R243)	✔	
Surround View camera on left side (R244)	✔	
Compressor (J1075)	✔	
Expansion valve 4 (N763)	✔	

A new software level is currently in development to replace SW level 0449. It is imperative that the optional update for the High-Voltage Central Box is not performed for these vehicles until the new software is available.

Note: The following procedure applies to Model Year 2024 and 2025 only, and does not apply to Model Year 2026 vehicles.

Procedure:

Note: This procedure includes steps where control unit(s) in the vehicle will be programmed with the PIWIS Tester. The vehicle voltage must be maintained between 13.5 volts and 14.5 volts during this programming. Failure to maintain this voltage could result in damaged control unit(s). Damage caused by inadequate voltage during programming is not a warrantable defect.

Required PIWIS Tester software release:	44.000.010 (or higher)
Type of control unit programming:	Control unit programming using the 'Special function' tab in the additional menu on the PIWIS Tester by entering a programming code.
Programming code:	F8G2X
Software release of the High-Voltage Central Box to be programmed during this campaign:	- High-Voltage Central Box Software release: 0346
Procedure in the event of error messages appearing during the programming sequence:	Restart the programming procedure from the Special Function Tab of Additional Menu [F7]

1. Verify that the vehicle is able to AC charge in the workshop
2. Create a VAL
3. Use the Maintenance of the vehicle order (PCDS) menu of the Additional Menu [F7] to verify the vehicle installation instructions.
4. If differences are found, use Write [F8] to write vehicle data.

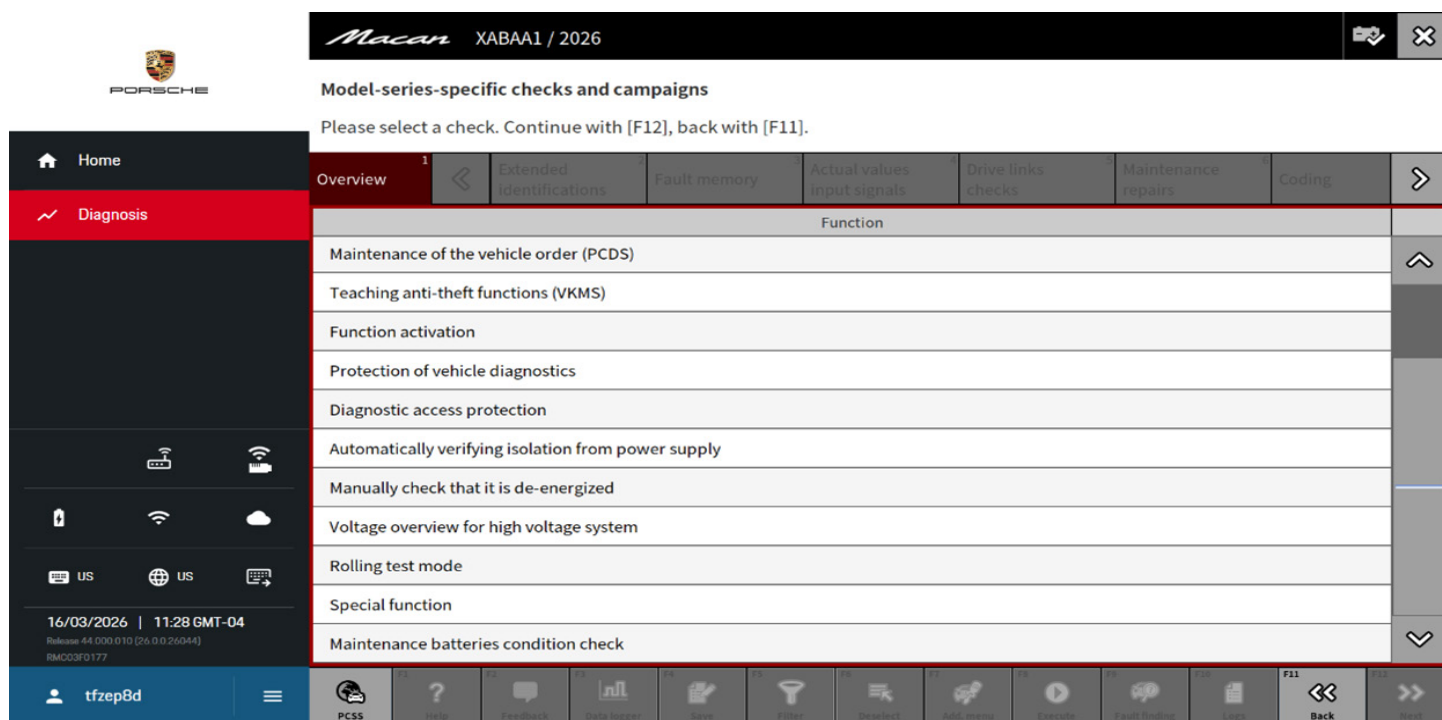
Maintenance of vehicle data, VIN: WP1AA2XA2RL001248

See Note.

The screenshot shows the PIWIS Tester software interface. At the top, there is a navigation bar with 'Overview' selected. Below the navigation bar, the main content area displays the following information:

- INFORMATION**
- Checking vehicle data**
- The vehicle data was compared with the backend.
- Significant differences were found.** (This line is highlighted with a red box in the original image)
- [F8] Writing vehicle data from the backend to the vehicle (after Dash Board Display Unit UDS is replaced)
- [F11] Canceling
- [F12] Show detected deviations before writing vehicle data from the backend to the vehicle

5. Use the Special Functions Tab of the Additional Menu [F7] to begin the programming procedure.
6. Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. A VAL will automatically be created after the programming is completed.



7. Verify the SW level is changed to 0346
8. Verify that the vehicle is still able to AC Charge at the workshop

Note: After following this procedure, an optional update will be available for the High-Voltage Central Box. This update must not be completed.

Warranty

The PCSS job must contain clear documentation of the following checks. Failure to perform these checks or insufficient documentation will result in a chargeback of the claim.

1. The vehicle was able to charge at the home of the customer prior to the completion of the campaign WSJO
2. The vehicle is no longer able to charge at the home of the customer after the completion of the campaign WSJO
3. The vehicle is still able to charge at other AC Charging stations away from the customer's home, including in the workshop using the same Porsche Mobile Charger and at public AC Charging stations

For documentation and warranty invoicing, enter the working position and PCSS encryption specified below in the warranty claim:

APOS	Labor Operation	I No.
93122541	High-voltage central box program	

PCSS encryption:

Location (FES5)	93120	High-voltage central box
Damage type (SA4)	1613	No function occasionally

Search Items

Macan, Macan EV, XAB, High-Voltage Central Box, AC Charging, WSJO

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