

AC Charging Process in the Customer's Home Network Not Working (33/26)

Model Line: **Macan (XAB)**

Model Year: **As of 2024 up to 2026**

Concerns: **High-voltage central box control unit**

Information: **The customer is complaining that the vehicle can no longer be charged at home (the AC charging process does not start).**

The vehicle can still be charged at public AC charging stations or in the Porsche Center.

Action: In the event of a complaint, re-program the high-voltage central box control unit with the Porsche Tester.



Information

The minimum programming requirement is the Porsche Tester software release: **44.000.010** (or higher).

Required tools

- Tools:
- **P90999 - Porsche Tester 4**
 - Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g. **VAS 5908 90A battery charger**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

Re-programming the high-voltage central box control unit (valid for model year 2024 and 2025)



Information

If one of the following preconditions is not met, the software update described below must **not** be carried out.

The vehicles that have received the software update are identified by Porsche AG. If necessary, it is checked whether the update carried out was authorized.

Prerequisites for the software update to be carried out:

- Before the workshop campaign WSJO was carried out, it was possible to charge in the customer's home network. Before the workshop campaign WSJO was carried out, it was possible to charge in the customer's home network.
- After carrying out workshop campaign WSJO, charging on the customer's home network is no longer possible
- Charging is still possible at other AC charging stations, such as public charging stations or in the Porsche Center

Work Procedure: 1 Re-programming the high-voltage central box control unit.

1.1 In the control unit overview, press **(F7)** to switch to the additional menu.

1.1.1 Select Maintenance of vehicle data.

1.1.2 If the installation instructions between backend and vehicle show a deviation, write them to the vehicle by pressing **(F8)**.

1.1.3 Follow Porsche Tester instructions and information.

1.2 The basic work procedure for control unit programming is described in the Workshop Manual.
⇒ *Workshop Manual '9X00IN Basic instructions and work procedure for control unit programming using the PIWIS Tester'*

Specific information on control unit programming during this action:

Required Porsche Tester software release:	44.100.030 (or higher)
Type of control unit programming:	Control unit programming using the ' Special function ' in the additional menu on the Porsche Tester by entering a programming code.
Programming code:	F8G2X
Programming sequence:	Read and follow the information and instructions on the Porsche Tester during the guided programming sequence. The control unit is re-programmed during the programming sequence. Do not interrupt programming. Backup documentation for the re-programmed software releases starts after programming.
Programming duration:	Programming takes up to 7 minutes , depending on equipment.
Software programmed during this action:	▪ High-voltage central box control unit Software release: 0346 Following control unit programming, the software release can be read out from the respective control unit using the Porsche Tester in the menu ⇒ 'Extended identifications'.

Procedure if error messages appear during the programming sequence:	⇒ <i>Workshop Manual '9X00IN Basic instructions and work procedure for control unit programming using the PIWIS Tester'</i>
Procedure in the event of an abort of the control unit programming:	Repeat control unit programming by re-entering the programming code.

- 2 Read out and delete all control unit fault memories.
- 3 Press **F3** to start the integration test in the control unit selection.
If there is an integration deviation for individual control units, these must be programmed before vehicle handover to the customer – an exception to this is the “high-voltage central box (JX6)” control unit.



Information

If, despite the programming performed, a deviation is still displayed during the integration test, the test must be carried out again.

There must be no breaches of integration!
Control units with optional software can be ignored.

Please note that, after programming is carried out above, an optional update to the higher software release **0449** is displayed for the high-voltage central box control unit (JX6). **This update must not be carried out.**

- 4 End the diagnostic application, end readiness for operation and disconnect **P90999 - Porsche Tester 4** from the vehicle.
- 5 Switch off and disconnect the battery charger.
⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

Reprogram high-voltage central box control unit (valid for model year 2026)



Information

If one of the following preconditions is not met, the software update described below must **not** be carried out.

The vehicles that have received the software update are identified by Porsche AG. If necessary, it is checked whether the update carried out was authorized.

Prerequisites for the software update to be carried out:

- Charging on the customer's home network is no longer possible.
- Charging is still possible at other AC charging stations, such as public charging stations or in the Porsche Center

Work Procedure: 1 Re-programming the high-voltage central box control unit.

- 1.1 The basic work procedure for control unit programming is described in the Workshop Manual.
 ⇒ *Workshop Manual '9X00IN Basic instructions and work procedure for control unit programming using the PIWIS Tester'*

Specific information on control unit programming during this action:

Required Porsche Tester software release:	44.100.030 (or higher)
Type of control unit programming:	Start control unit programming in the integration test using the 'Campaign' function (F5) on the Porsche Tester (if not available, start the 'Repair' function with (F8))
Programming sequence:	Read and follow the information and instructions on the Porsche Tester during the guided programming sequence. The control unit is re- programmed during the programming sequence. Do not interrupt programming. Backup documentation for the re-programmed software releases starts after programming.
Programming duration:	Programming takes up to 5 minutes , depending on the equipment.
Software programmed during this action:	▪ High-voltage central box control unit Software release: 0452 Following control unit programming, the software release can be read out from the respective control unit using the Porsche Tester in the menu ⇒ 'Extended identifications'.
Procedure if error messages appear during the programming sequence:	⇒ <i>Workshop Manual '9X00IN Basic instructions and work procedure for control unit programming using the PIWIS Tester'</i>
Procedure in the event of an abort of the control unit programming:	Repeat control unit programming by re-entering the programming code.

- 2 After the software update is complete, perform a vehicle bus idle.
- 2.1 Return to the control unit overview by pressing **(F11)** .
- 2.2 End vehicle's readiness for operation (ignition off). Central computer (PCM) screen switches off.
- 2.3 Wait **10 minutes** with the driver's door open.

- 3 Check the vehicle's readiness for driving.
 - 3.1 Establish readiness for operation (ignition on).
 - 3.2 Operate the footbrake and keep it pressed.
 - 3.3 Use the selector lever to successively engage driving gears D and R. The selected gear must be displayed in the gear indicator on the instrument cluster.
 - 3.4 Activate the parking lock via button P.
- 4 End readiness for operation (ignition off) and restore it after waiting approx. 30 seconds (ignition on).
- 5 Read out and delete all control unit fault memories.
- 6 End the diagnostic application, end readiness for operation and disconnect **P90999 - Porsche Tester 4** from the vehicle.
- 7 Switch off and disconnect the battery charger.
 ⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
93122541	Re-programming high-voltage central box control unit	

PCSS encryption:

Location (FES5)	93120	High-voltage central box
Damage type (SA4)	1611	not working

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