

WMA7 - Performing Software Update for Charger (Porsche Mobile Charger Connect) (Workshop Campaign)

Revision: This bulletin replaces bulletin Group 0 17/21 WMA7, dated March 26, 2021.

Model Year: **As of 2020 up to 2021**

Concerns: **Charger (Porsche Mobile Charger Connect)**

Information: **Software optimizations are available for Porsche Mobile Charger Connect (software version VR12.1.1).**

The software update contains general fault corrections and function enhancements such as encrypted communication between the charging equipment and vehicle for secure information exchange, a new display format during charging including the display of vehicle information, battery status and remaining range as well as the "Plug & Charge Private" function with automatic detection of vehicles already registered in Mobile Charger Connect when you plug in the charging cable without also having to enter your PIN.

Action required: Update the Porsche Mobile Charger Connect software using the PIWIS Tester with software version **39.900.095** (or higher) installed.



Information

For vehicles with Workshop Campaign WMA7 open in PCSS, this campaign must be carried out **after** campaigns **WMA5** (Taycan MY 2020) or **WMA6** (Taycan MY 2021) so that the Porsche Mobile Charger Connect software version is also **VR12.1.1..**

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information). This campaign affects 5,235 vehicles.

Required tools

No tools are required for checking the software version of the charger (Porsche Mobile Charger Connect).

- Tools:
- **9900 - PIWIS Tester 3** with software version **39.900.095** (or higher) installed.
 - **VAS 611 009 - Diagnostic adapter for high-voltage charging system**

Checking software version and updating software if necessary

! WARNING

Working on electric components

- Risk of burns
 - Risk of short circuit or fire.
- ⇒ Before replacing the power cable or vehicle cable, always disconnect the power cable from the electrical socket.
- ⇒ Only replace cables in a dry environment.
- ⇒ Porsche universal charger (AC) may only be used as a unit comprising power cable, control unit and vehicle cable.

! WARNING

Unsecured load

- An unsecured, incorrectly secured or incorrectly positioned charger can slip out of place and endanger occupants when braking, accelerating, changing direction or in the event of an accident.
- ⇒ Never transport the charger unsecured.
- ⇒ Stow the charger in the luggage compartment.
- ⇒ Always transport the charger in the luggage compartment, never in the passenger compartment (e.g. on or in front of the seats).

Action required: 1 Remove the charger (Porsche Mobile Charger Connect) from the vehicle.

- 2 Check software versions of the charger (Porsche Mobile Charger Connect) and compare them with the table below.
The software versions are shown on the sticker on the back of the charger (Porsche Mobile Charger Connect) ⇒ *Checking software versions*.



Checking software versions

Software version	Next steps
Communication board software (SW_C) and power board software (SW_P) lower than <ul style="list-style-type: none"> • SW_C: 2925 • SW_P: 4100 	Software must be updated. To do this, continue with Step 3 .
Communication board software (SW_C) and power board software (SW_P) is <ul style="list-style-type: none"> • SW_C: 2925 • SW_P: 4100 	Software does not have to be updated. The charger software is already up-to-date. – End of action required – Continue with Step 5 .

3 Re-program the power board.

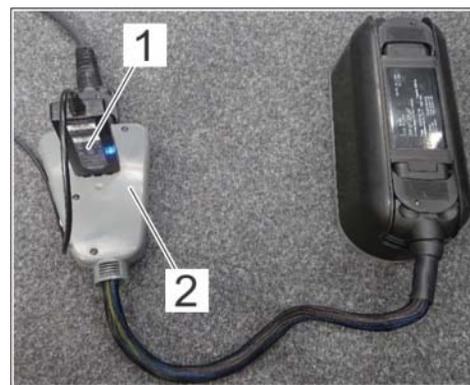
3.1 Secure the power cable ⇒ *Connecting diagnostic adapter -1-* to the **diagnostic adapter for high-voltage charging system** ⇒ *Connecting diagnostic adapter -2-* and connect this to the charger (Porsche Mobile Charger Connect) ⇒ *Connecting diagnostic adapter -3-*.



Connecting diagnostic adapter

3.2 Connect the power cable to the power supply.

3.3 Wait at least 3 minutes before connecting **9900 - PIWIS Tester 3** to the vehicle communication module (VCI) via the **USB cable** and connect the communication module ⇒ *Connecting communication module (VCI) -1-* to the **diagnostic adapter for high-voltage charging system** (⇒ *Connecting communication module (VCI) -2-*).



Connecting communication module (VCI)

3.4 On the PIWIS Tester start screen, call up the **'Diagnostics'** application.

The vehicle type is then read out, the diagnostic application is started and the control unit selection screen is populated.

3.5 Select the **'External components'** model line in the **'manual model line selection'** screen and confirm with **'Next'**.

3.6 Re-program the power board.

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

For specific information on programming the power board during this campaign, see the table below:

Required PIWIS Tester software version:	39.900.095 (or higher)
Type of control unit programming:	Control unit programming using the 'Campaign' function in the Additional menu on the PIWIS Tester by entering a programming code.
Programming code:	M3K3U
Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. Do not interrupt programming and coding. A backup documentation process for the re-programmed software versions starts as soon as programming and coding is complete.
Programming time (approx.):	5 minutes
Software version programmed during this campaign:	4100 When programming is complete, the software version can be read out of the charger (Porsche Mobile Charger Connect) in the 'Extended identifications' menu using the PIWIS Tester.
Procedure in the event of abnormal termination of control unit programming:	Repeat programming by entering the programming code again.
Procedure in the event of error messages appearing during the programming sequence:	⇒ <i>Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - section on "Fault finding"</i> .

- 3.7 Remove the PIWIS Tester from the charger (Porsche Mobile Charger).
- 3.8 Disconnect the power cable from the power supply and remove it from the diagnostic adapter.
- 3.9 Remove the PIWIS Tester from the charger (Porsche Mobile Charger).



Information

A connection to a WiFi network is required for the communication board update.

If it is not possible to establish an Internet connection to the charger (Porsche Mobile Charger Connect), the update can also be downloaded manually via the web address under **E-Performance** at <https://www.porsche.com> and installed using the web application. This procedure is described further in the instructions for the web application.

This can be accessed directly at: <https://contact.porsche.com/usa/accessoriesand-services/porscheservice/software-update/>

- 4 Re-program the communication board.
 - 4.1 Secure the power cable to the charger (Porsche Mobile Charger) and connect it to the power supply.
 - 4.2 The charger starts after a waiting time of at least 30 seconds.
 - 4.3 Select the 'Settings' icon in the menu bar to open the main menu ⇒ *Opening Settings -1-*.



Opening Settings

- 4.4 Select the 'Networks' function in the main menu ⇒ *Selecting Networks function -1-*.
- 4.5 Activate WiFi ⇒ *Connecting WiFi network -1-* and then select "WiFi networks" in order to select the relevant network from the list of detected WiFi networks ⇒ *Connecting WiFi network -2-*.
- 4.6 Enter the WiFi password and confirm it.



Selecting Networks function

- 4.7 Return to the selection screen using the arrow key and select the 'Software updates' function.



Connecting WiFi network

4.8 Deactivate automatic software updates ⇒ *Installing software update -1-* and select the 'Download' function ⇒ *Installing software update -2-*.

4.9 Once the latest software has been downloaded successfully, select the '**Install**' function in order to confirm the message **Software update available**.

The update can take up to 5 minutes.

4.10 Once the update is complete, confirmation of the software update that was performed is displayed. Confirm with 'OK'.

Software version programmed during this sequence

- Communication board: **2925**

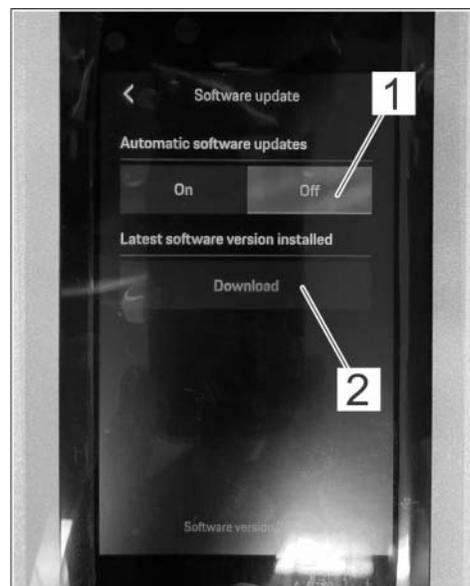
Following the update, the software version is displayed at the bottom of the screen in the 'Software updates' menu.

4.11 Reactive automatic software updates if this was previously selected as "On" prior to deactivation.

4.12 Switch off the charger (Porsche Mobile Charger Connect)

5 Place the charger (Porsche Mobile Charger Connect) in the vehicle.

6 Enter the campaign in the Warranty and Maintenance booklet.



Installing software update

Warranty processing



Information

The specified working times were determined specifically for carrying out this campaign and include all necessary preliminary and subsequent work.

The working times may differ from the working times published in the Labor Operation List in PCSS.

Scope 1:

Working time:	
Checking software version of charger (Porsche Mobile Charger Connect)	Labor time: 12 TU
⇒ Damage Code WMA7 066 000 1	

Scope 2:

Working time:Checking and updating software version of charger (Porsche Mobile
Charger Connect)Labor time: **37 TU**Includes: Connecting and disconnecting PIWIS Tester
Connecting and disconnecting diagnostic adapter for
high-voltage charging system⇒ **Damage Code WMA7 066 000 1**

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