

WPU1 – Supply Charging Cable with NEMA Power Plug and Updating Porsche Mobile Charger Software (Workshop Campaign)

Model Line: **Taycan (Y1A / Y1B / Y1C)
Panamera E-Hybrid (971)
Cayenne E-Hybrid (9YA / 9YB)**

Model Year: **As of 2019 up to 2024**

Concerns: **NEMA charging cable and charger (Porsche Mobile Charger Basic and Basic Plus)**

Cause: **Due to quality defects, the in-house infrastructure connection cable for the Porsche Mobile Charger was not supplied ex works to the affected vehicles.**

Action: Supply the optimized charging cable with an integrated temperature sensor. In addition, the software on the Porsche Mobile Charger must be updated with the PIWIS Tester and installed test software **42.700.050** (or higher).



Information

This technical information includes the corrective action for Porsche Mobile Charger **Basic** and **Basic Plus**.

Overview of affected Porsche Mobile Charger Basic and Basic Plus with existing remedial action:

Porsche Mobile Charger affected	Powerboard target software
ICCPD Basic UL 9.6 kW • Part number: 9Y0.971.675.DM	0142
ICCPD Basic+ UL 9.6 kW • Part number: 9J1.971.675.BC / F / R / AC / AJ / AP	3,000



Information

In the event that customers have other affected Porsche Mobile Chargers (e.g. from Equipment accessories), the remedial action can be carried out and invoiced as follows:

- **Case 1: Customer vehicle is already assigned to this campaign:** For all of the customer's other Porsche Mobile Chargers, invoice the labor costs incurred via an application for a reimbursement claim to the original campaign claim for this action.
- **Case 2:** Customer vehicle is **not** assigned to this campaign: **Assign the PRMS ticket** to PCNA_Warranty Support_Campaigns specifying the **VIN** and this **campaign number** noting that the **VIN is assigned to the campaign and scope 17**. Scope 17 can then be invoiced with a time of 0 and 0 parts. Labor costs incurred can then be invoiced using a reimbursement claim for the original campaign claim for this action.

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

Required Tools

- Tools:
- **P90999 - P90999 - PIWIS Tester 4** with test software version **42.700.050** (or higher) installed
 - **VAS 611 009 Diagnostic adapter for high-voltage charging system**

Replacing Porsche Mobile Charger charging cable with NEMA power plug



Working on electric components

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



Unsecured load

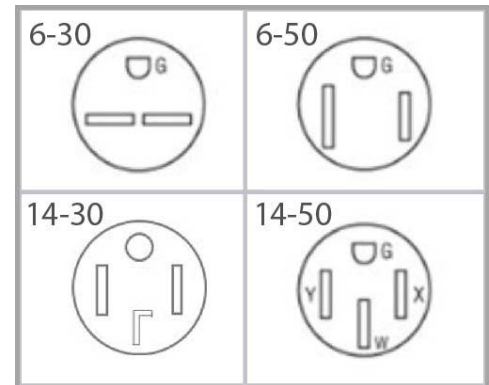
- An unsecured, incorrectly secured or incorrectly positioned charger can slip out of place and endanger occupants when braking, accelerating, changing direction or in the event of an accident.
- ⇒ Never transport the charger unsecured.
- ⇒ Stow the charger in the luggage compartment.
- ⇒ Always transport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

Work Procedure: 1 Replace the charging cable for home infrastructure with NEMA plug on the Porsche Mobile Charger ⇒ *NEMA cable -1-*. For an overview of affected charging cables, see table below.



NEMA cable

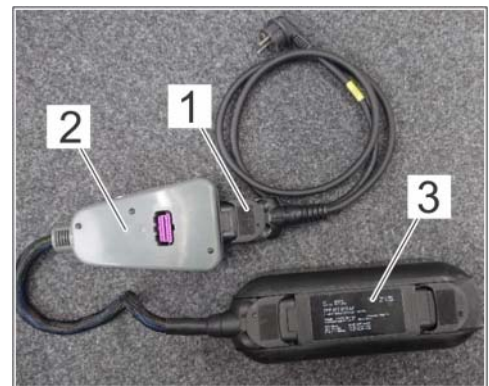
Affected charging cables with NEMA plug types	Part number of new charging cable with NEMA plug types
<p>NEMA 6-30</p> <ul style="list-style-type: none"> • 250 V • 30A, 3 lines, 2 poles • 5-5.8 kW • Part number 7PP.971.678.EA <p>For plug type, see ⇒ <i>NEMA plug types</i></p>	<p>V04015005BA</p>
<p>NEMA 6-50</p> <ul style="list-style-type: none"> • 250 V • 50A, 3 lines, 2 poles • 8.3-9.6 kW • Part number 7PP.971.678.EC <p>For plug type, see ⇒ <i>NEMA plug types</i></p>	<p>V04015005BC</p>
<p>NEMA 14-30</p> <ul style="list-style-type: none"> • 125 / 250 V • 30A, 4 lines, 3 poles • 5-5.8 kW • Part number 7PP.971.678.EB <p>For plug type, see ⇒ <i>NEMA plug types</i></p>	<p>V04015005BB</p>
<p>NEMA 14-50</p> <ul style="list-style-type: none"> • 125 / 250 V • 50A, 4 lines, 3 poles • 8.3-9.6 kW • Part number 7PP.971.678.ED <p>For plug type, see ⇒ <i>NEMA plug types</i></p>	<p>V04015005BD</p>



NEMA plug types

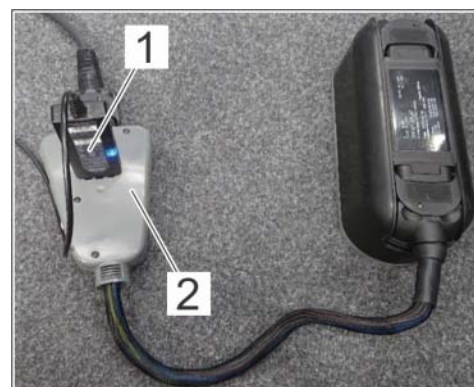
Re-programming Porsche Mobile Charger (Powerboard)

- Action:
- 1 **Re-program the power board.**
 - 1.1 Fasten supply cable ⇒ *Connecting diagnostic adapter -1-* to the **diagnostic adapter for high-voltage charging system** ⇒ *Connecting diagnostic adapter -2-* and connect this to charger (Porsche Mobile Charger Connect) ⇒ *Connecting diagnostic adapter -3-*.
 - 1.2 Connect the supply cable to the power supply.



Connecting diagnostic adapter

1.3 Wait at least 3 minutes before connecting **P90999 - P90999 - PIWIS Tester 4** 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)

1.4 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.

1.5 On the **"manual model line selection"** screen, select the **"External components"** model line and confirm with **"Next"**.

1.6 **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 release:	42.700.050 (or higher)
Type of control unit programming:	Carry out control unit programming using the "Automatic programming" function in the Universal charging cable control unit.
Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. Do not interrupt the programming and coding process. A backup documentation process for the re-programmed software releases starts as soon as programming and coding is complete.
Programming time (approx.):	10 minutes

Software release programmed during this campaign:	<ul style="list-style-type: none"> Porsche Mobile Charger Basic: 0142 Porsche Mobile Charger Basic Plus: 3,000 <p>When programming is complete, the software release can be read out of the charger (Porsche Mobile Charger Connect) in the "Extended identifications" menu using the PIWIS Tester.</p>
Procedure in the event of a termination in the 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 "Troubleshooting"</i> .

- 1.7 Remove the PIWIS Tester from the charger (Porsche Mobile Charger).
- 1.8 Disconnect the supply cable from the power supply and remove it from the diagnostic adapter.
- 1.9 Remove the PIWIS Tester from the charger (Porsche Mobile Charger).
- 2 Include the charger (Porsche Mobile Charger Connect) with the vehicle or give it to the customer.
- 3 Enter the campaign into the Warranty and Maintenance logbook.

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: Not valid.

Scope 2: Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

- **Valid for** Porsche Mobile Charger **Basic**

Labor time:

Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update Labor time: **54 TU**
Includes: Connecting and disconnecting PIWIS Tester
Connecting and disconnecting diagnostic adapter for high-voltage charging system

Part required

V04015005BA	Charging cable (NEMA 6–30)	1 piece
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⇒ **Damage Number APB6 099 000 2**

Scope 3: Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

- **Valid for Porsche Mobile Charger Basic**

Labor time:

Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update Labor time: **54 TU**
Includes: Connecting and disconnecting PIWIS Tester
Connecting and disconnecting diagnostic adapter for high-voltage charging system

Part required

V04015005BB	Charging cable (NEMA 14–30)	1 piece
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⇒ **Damage Number APB6 099 000 2**

Scope 4: Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

- **Valid for Porsche Mobile Charger Basic**

Labor time:

Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update
Includes: Connecting and disconnecting PIWIS Tester
Connecting and disconnecting diagnostic adapter for high-voltage charging system

Labor time: **54 TU****Part required**

V04015005BC	Charging cable (NEMA 6–50)	1 piece
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⇒ **Damage Number APB6 099 000 2**

Scope 5: Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

- **Valid for Porsche Mobile Charger Basic**

Labor time:

Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update
Includes: Connecting and disconnecting PIWIS Tester
Connecting and disconnecting diagnostic adapter for high-voltage charging system

Labor time: **54 TU****Part required**

V04015005BD	Charging cable (NEMA 14–50)	1 piece
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⇒ **Damage Number APB6 099 000 2**

Scope 6: Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

- **Valid for Porsche Mobile Charger Basic**

Labor time:

Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update Labor time: **54 TU**
 Includes: Connecting and disconnecting PIWIS Tester
 Connecting and disconnecting diagnostic adapter for high-voltage charging system

Part required

V04015005BC	Charging cable (NEMA 6–50)	1 piece
V04015005BD	Charging cable (NEMA 14–50)	1 piece

⇒ **Damage Number APB6 099 000 2**

Scope 7: Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

- **Valid for Porsche Mobile Charger Basic Plus**

Labor time:

Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update Labor time: **54 TU**
 Includes: Connecting and disconnecting PIWIS Tester
 Connecting and disconnecting diagnostic adapter for high-voltage charging system

Part required

V04015005BA	Charging cable (NEMA 6–30)	1 piece
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⇒ **Damage Number APB6 099 000 2**

Scope 8: Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

- **Valid for Porsche Mobile Charger Basic Plus**

Labor time:

Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update
 Includes: Connecting and disconnecting PIWIS Tester
 Connecting and disconnecting diagnostic adapter for high-voltage charging system

Labor time: **54 TU****Part required**

V04015005BB	Charging cable (NEMA 14–30)	1 piece
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⇒ **Damage Number APB6 099 000 2**

Scope 9: Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

- **Valid for Porsche Mobile Charger Basic Plus**

Labor time:

Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update
 Includes: Connecting and disconnecting PIWIS Tester
 Connecting and disconnecting diagnostic adapter for high-voltage charging system

Labor time: **54 TU****Part required**

V04015005BC	Charging cable (NEMA 6–50)	1 piece
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⇒ **Damage Number APB6 099 000 2**

Scope 10: Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

- **Valid for Porsche Mobile Charger Basic Plus**

Labor time:

Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update Labor time: **54 TU**
 Includes: Connecting and disconnecting PIWIS Tester
 Connecting and disconnecting diagnostic adapter for high-voltage charging system

Part required

V04015005BD	Charging cable (NEMA 14–50)	1 piece
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⇒ **Damage Number APB6 099 000 2**

Scope 11: Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

- **Valid for Porsche Mobile Charger Basic Plus**

Labor time:

Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update Labor time: **54 TU**
 Includes: Connecting and disconnecting PIWIS Tester
 Connecting and disconnecting diagnostic adapter for high-voltage charging system

Part required

V04015005BC	Charging cable (NEMA 6–50)	1 piece
V04015005BD	Charging cable (NEMA 14–50)	1 piece

⇒ **Damage Number APB6 099 000 2**

Scope 12–16: Not valid.

Scope 17: Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

- **Valid for additional Porsche Mobile Chargers (e.g. Tequipment accessories)** – see information under "Action"

Labor time:

Subsequently supplying charging cable with NEMA power plug and performing charger (Porsche Mobile Charger) software update

Labor time: **0 TU**

⇒ **Damage Number APB6 099 000 2**

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