APB6 – Charging Cable for Porsche Mobile Charger with NEMA Power Plug (Stop Delivery / Recall Campaign)

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

Model Year: **As of 2020 up to 2024**

Concerns: **Industrial (250V) NEMA Supply Cable and charger (Porsche Mobile Charger Basic and Basic Plus)**

Cause: **It has been determined that the Industrial (250V) NEMA Supply Cable for the Porsche Mobile Charger has been enclosed in affected vehicles for which the plug of the connection cable for the in-house infrastructure must be optimized for operation with certain types of sockets.**

Higher resistance in the supply cable can increase the risk of overheating and thermal damage to the socket and adjacent areas. If this goes unnoticed, the local thermal damage could spread and lead to a fire.

Action:

- **Vehicles with Stop Delivery (scope 1):** Remove the affected Industrial (250V) NEMA supply cable from the car before delivering the vehicle to the customer.
- **Vehicles that have already been delivered and assigned to the recall (scope 3-12):** Replace the affected supply cable of the Mobile Charger with an optimized supply 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 **42.700.033** (or higher).

Information

This technical information includes the corrective action for Porsche Mobile Charger **Basic** and **Basic Plus**.The technical information and corrective action for the Porsche Mobile Charger Connect will be published at a later date.
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	**3000**

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

Required tools

Tool:
- **P90999 - P90999 - PIWIS Tester 4** with test software version **42.700.033** (or higher) installed
- **VAS 611 009 Diagnostic adapter for high-voltage charging system**

Replacing Industrial (250V) NEMA Supply Cable for the Porsche Mobile Charger

WARNING

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.**

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.**

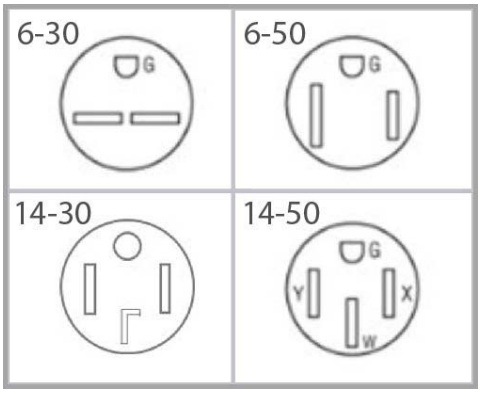
⇒ **Never transport the charger unsecured.**

⇒ **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).**

Vehicle Type: 1 Replace the Industrial (250V) NEMA Supply Cable for the Porsche Mobile Charger => Supply cable. For an overview of affected supply cables, see table below.

Affected supply cables with NEMA plug types	**Part number of new industrial (250V) supply cable with temperature sensing**
NEMA 6-30 • 250 V • 30A, 3 lines, 2 poles • 5-5.8 kW • Part number 7PP.971.678.EA For plug type, see ⇒ *Industrial (250V) supply cable plug types*	**V04015005BA**
NEMA 6-50 • 250 V • 50A, 3 lines, 2 poles • 8.3-9.6 kW • Part number 7PP.971.678.EC For plug type, see ⇒ *Industrial (250V) supply cable plug types*	**V04015005BC**
NEMA 14-30 • 125/250 V • 30A, 4 lines, 3 poles • 5-5.8 kW • Part number 7PP.971.678.EB For plug type, see ⇒ *Industrial (250V) supply cable plug types*	**V04015005BB**
NEMA 14-50 • 125/250 V • 50A, 4 lines, 3 poles • 8.3-9.6 kW • Part number 7PP.971.678.ED For plug type, see ⇒ *Industrial (250V) supply cable plug types*	**V04015005BD**



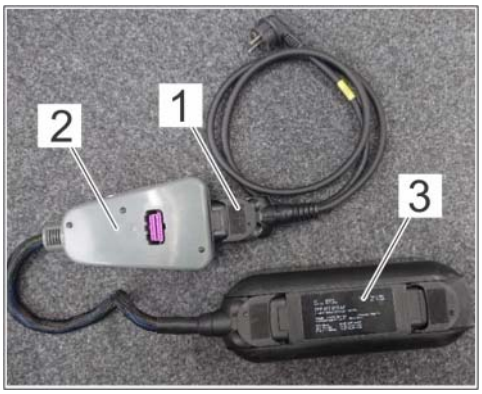
Industrial (250V) supply cable plug types

Re-program the Porsche Mobile Charger (Powerboard).

Action: 1 **Re-program the power board.**

1.1 Secure 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) ⇒*Connecting diagnostic adapter* **-3-**.

1.2 Connect the supply cable to the power supply.

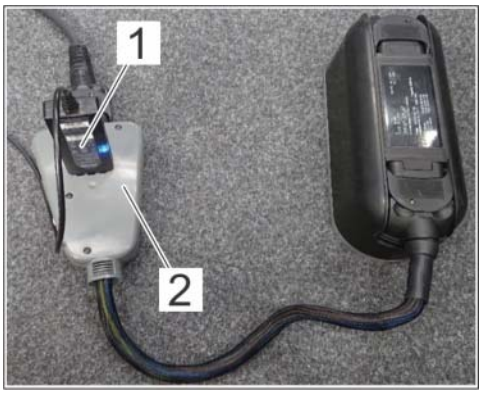


Connecting diagnostic adapter

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-**.

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.



Connecting communication module (VCI)

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:	**42.700.033** (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:	• Porsche Mobile Charger Basic: **0142** • Porsche Mobile Charger Basic Plus: **3000** When programming is complete, the software version can be read out of the charger (Porsche Mobile Charger) in the 'Extended identifications' menu using the PIWIS Tester.
Procedure if control unit programming is interrupted:	Repeat programming by entering the programming code again.
Procedure if error messages appearing during programming sequence:	⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester – section on "Error finding"'*.

1.7 Remove the VAS diagnostic tool from the charger (Porsche Mobile Charger).

1.8 Disconnect the supply cable from the power supply and remove it from the diagnostic adapter.

2 Include the charger (Porsche Mobile Charger) with the vehicle or give it to the customer.

3 Enter the campaign in 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: Removing Porsche Mobile Charger industrial (250V) supply cable from vehicle

Labor time:

Removing Porsche Mobile Charger industrial (250V) supply cable from vehicle	Labor time: **10 TU**

⇒ **Damage Number APB6 099 000 1**

Scope 2: Not valid.

Scope 3: Replacing industrial (250V) supply cable and performing charger (Porsche Mobile Charger) software update

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

Labor time:

Replacing industrial (250V) supply cable 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	Supply cable (NEMA 6-30)	1 piece

⇒ **Damage Number APB6 099 000 2**

Scope 4: Replacing industrial (250V) supply cable and performing charger (Porsche Mobile Charger) software update

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

Labor time:

Replacing industrial (250V) supply cable 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	Supply cable (NEMA 14-30)	1 piece

⇒ **Damage Number APB6 099 000 2**

Scope 5: Replacing industrial (250V) supply cable and performing charger (Porsche Mobile Charger) software update

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

Labor time:

Replacing industrial (250V) supply cable 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	Supply cable (NEMA 6-50)	1 piece

⇒ **Damage Number APB6 099 000 2**

Scope 6: Replacing industrial (250V) supply cable and performing charger (Porsche Mobile Charger) software update

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

Labor time:

Replacing industrial (250V) supply cable 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	Supply cable (NEMA 14-50)	1 piece

⇒ **Damage Number APB6 099 000 2**

Scope 7: Replacing industrial (250V) supply cable and performing charger (Porsche Mobile Charger) software update

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

Labor time:

Replacing industrial (250V) supply cable 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	Supply cable (NEMA 6-50)	1 piece
V04015005BD	Supply cable (NEMA 14-50)	1 piece

⇒ **Damage Number APB6 099 000 2**

Scope 8: Replacing industrial (250V) supply cable and performing charger (Porsche Mobile Charger) software update

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

Labor time:

Replacing industrial (250V) supply cable 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	Supply cable (NEMA 6-30)	1 piece

⇒ **Damage Number APB6 099 000 2**

Scope 9: Replacing industrial (250V) supply cable and performing charger (Porsche Mobile Charger) software update

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

Labor time:

Replacing industrial (250V) supply cable 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	Supply cable (NEMA 14-30)	1 piece

⇒ **Damage Number APB6 099 000 2**

Scope 10: Replacing industrial (250V) supply cable and performing charger (Porsche Mobile Charger) software update

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

Labor time:

Replacing industrial (250V) supply cable 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	Supply cable (NEMA 6-50)	1 piece

⇒ **Damage Number APB6 099 000 2**

Scope 11: Replacing industrial (250V) supply cable and performing charger (Porsche Mobile Charger) software update

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

Labor time:

Replacing industrial (250V) supply cable 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	Supply cable (NEMA 14-50)	1 piece

⇒ **Damage Number APB6 099 000 2**

Scope 12: Replacing industrial (250V) supply cable and performing charger (Porsche Mobile Charger) software update

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

Labor time:

Replacing industrial (250V) supply cable 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	Supply cable (NEMA 6-50)	1 piece
V04015005BD	Supply cable (NEMA 14-50)	1 piece

⇒ **Damage Number APB6 099 000 2**