

Charging Pedestal Modification Kit From Aluminum to Glass

Information: Conversion of charging pedestal from aluminum to glass.

Model Year: **As of 2015**

Note:



The introduction of the Porsche Compact charging pedestal has meant that various types of sockets are available on the market. In order to reduce the diversity of materials, Porsche has decided to offer a modification kit for the old charging pedestal that also includes a black glass socket. Another reason is that the "E-Mobility" logo is no longer used by Corporate Identity at Porsche.

Parts Info: **970.044.000.78** ⇒ Aluminum to glass modification kit, type: 1 charging dock
970.044.000.79 ⇒ Aluminum to glass modification kit, type: 2 charging dock

Also order the following, depending on type:

970.044.000.72¹ Front (safety glass)
970.044.000.73 Back (safety glass)

¹ For charging pedestals with two charging docks, order two fronts instead of a front and back.

Parts list:

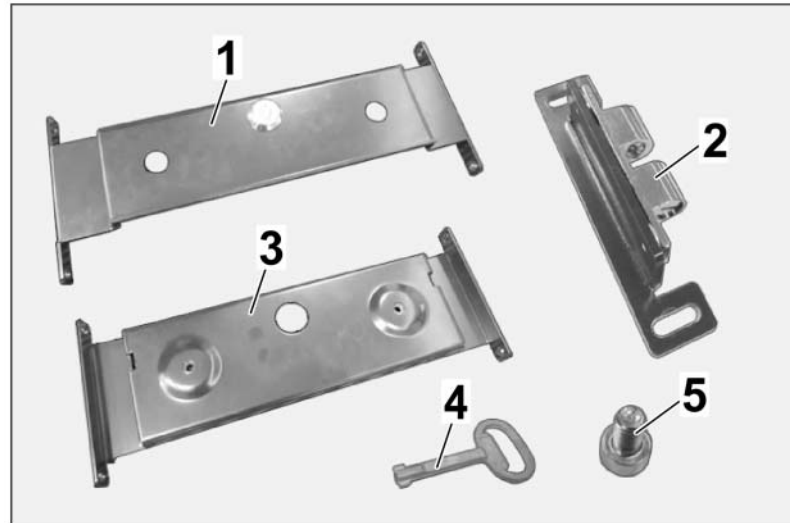


Figure 2

— — — 2	1 x	Rear closing plate ⇒ Figure 2 -1-
— — — —	6 x	Support ⇒ Figure 2 -2-
— — — 3	1 x	Door stop plate ⇒ Figure 2 -3-
— — — 2	1 x	Key ⇒ Figure 2 -4-
— — — —	20 x	Cheese head bolt, M5 x 8 ⇒ Figure 2 -5-
— — — —	20 x	Washer (not shown)

2 Only contained in set 970.044.000.78.

3 Kit 970.044.000.79 contains two door stop plates.

Work Procedure:



Information

- Conversion illustration; shown only on a charging station with one charging dock.
- On charging pedestals with two charging docks, some steps must also be performed on the opposite side of the charging pedestal.

1 Preparatory work:



Electrical sockets not installed properly

- Risk of electric shock, short circuit, burns and fire

⇒ The country-specific electrical sockets must only be retrofitted by a qualified electrical technician. The qualified technician is responsible for ensuring compliance with the relevant standards and regulations.

⇒ **Shut off pre-fuse unit and secure it to prevent it from being inadvertently switched on again.**

⇒ **Never re-use a damage component.**

1.1 Isolate charging pedestal from the power supply (remove or shut off fuse).

1.2 Remove Porsche Universal Charger.

1.2.1 Open the door ⇒ *Figure 3-1-*.

1.2.2 Disconnect power cable ⇒ *Figure 3-2-* from the electrical socket ⇒ *Figure 3-a-*.

Disconnect vehicle plug ⇒ *Figure 3-3-* from holder ⇒ *Figure 3-b-*.

1.2.3 Unwind vehicle charging cable completely from the charging dock.

1.2.4 Press release rocker ⇒ *Figure 4-1-* down ⇒ *Figure 4-a-* and remove control unit (Porsche Universal Charger) ⇒ *Figure 4-2-* from the holder.

1.3 Remove charging dock.

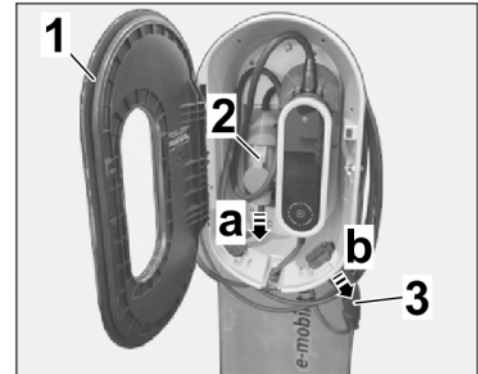


Figure 3

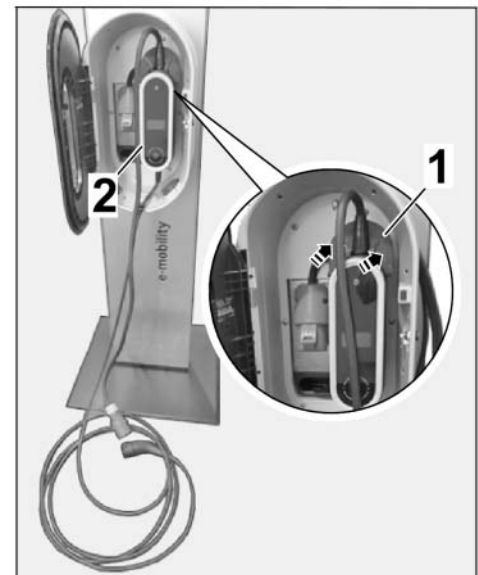


Figure 4

- 1.3.1 Unscrew and remove screws ⇒
Figure 5-1-.

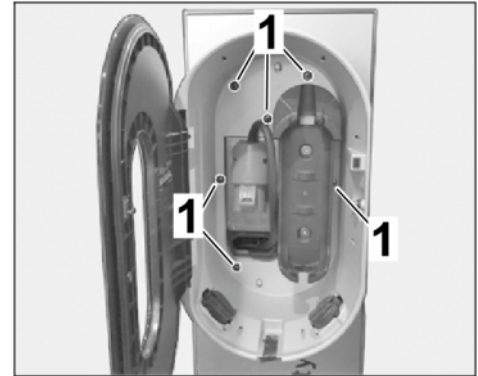


Figure 5

- 1.3.2 Pull the lower end of the charging dock ⇒ *Figure 6-1-* approx. 10 mm off the charging pedestal ⇒ *Figure 6-a-*, lift it up ⇒ *Figure 6-b-* and remove it.

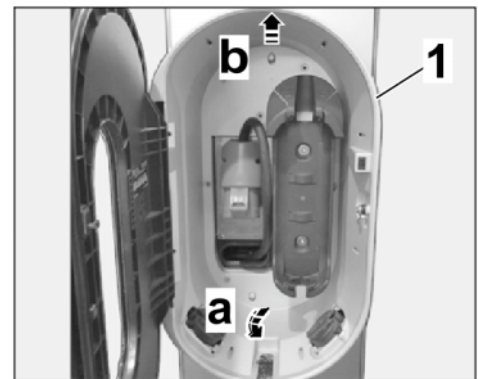


Figure 6

- 1.4 Remove charging dock holder.
- 1.4.1 Unscrew cheese head bolt at the bottom ⇒ *Figure 7-1-*.
- 1.4.2 Unscrew cheese head bolts at the top ⇒ *Figure 7-2-* by approx. 10 mm.
- 1.4.3 Lift charging dock holder ⇒ *Figure 7-3-* up by approx. 10 mm ⇒ *Figure 7-arrow-* and remove it.

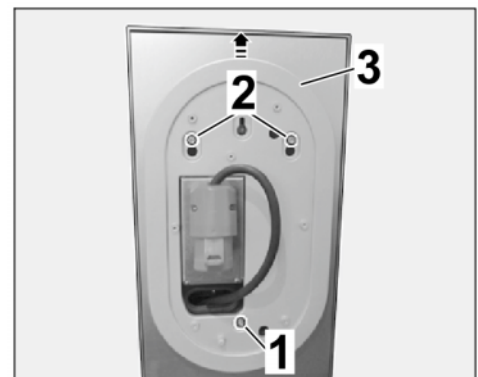


Figure 7

2 Remove the back and front.

2.1 Remove the back.

2.1.1 Insert key ⇒ *Figure 8-1*- through the opening in the rear closing plate ⇒ *Figure 8-2*- (⇒ *Figure 8-a*-).

Press the key in against the resistance and turn it counter clockwise ⇒ *Figure 8-b*- (lock opens).

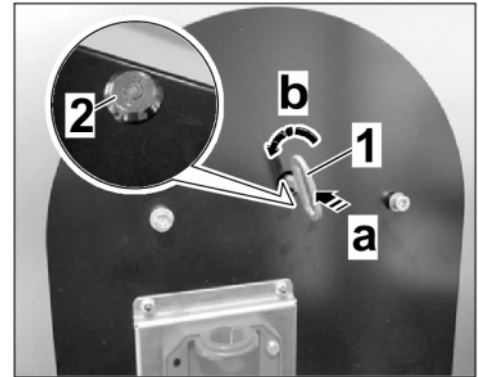


Figure 8

2.1.2 Install suction cup ⇒ *Figure 9-1*- on back panel ⇒ *Figure 9-3*-.

2.1.3 Pull the suction cup to open a gap ⇒ *Figure 9-a*- on the back.

2.1.4 Lift the back by approx. 2 to 3 cm ⇒ *Figure 9-b*- until the guides ⇒ *Figure 9-2*- come out of the mounts (cheese head bolts) ⇒ *Figure 9-4*-.

Remove the back from the frame.

2.2 Remove mounting plate.

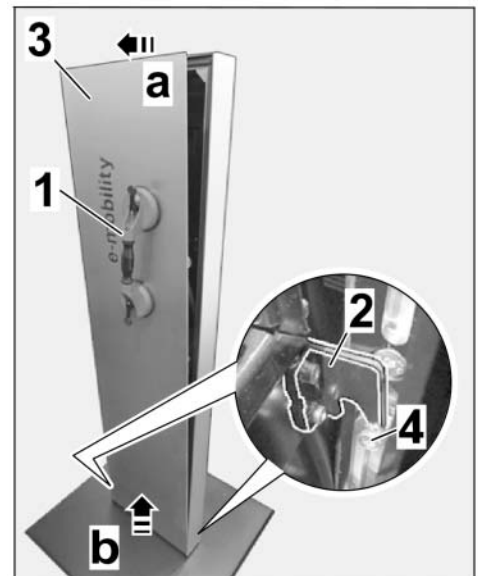


Figure 9



DANGER

Electrical sockets not installed properly

- Risk of electric shock, short circuit, burns and fire
- ⇒ The country-specific electrical sockets must only be retrofitted by a qualified electrical technician. The qualified technician is responsible for ensuring compliance with the relevant standards and regulations.
- ⇒ Shut off pre-fuse unit and secure it to prevent it from being inadvertently switched on again.
- ⇒ Never re-use a damage component.

- 2.2.1 Remove cable ⇒ *Figure 10-1-* from country-specific electrical socket ⇒ *Figure 10-2-*.

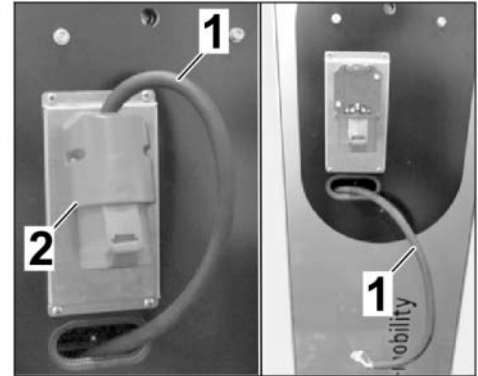


Figure 10

- 2.2.2 Turn the key ⇒ *Figure 11-1-* clockwise ⇒ *Figure 11-arrow-*. Remove the key.

Secure the mounting plate ⇒ *Figure 11-3-* to prevent it from falling down.

Unscrew cheese head bolts ⇒ *Figure 11-2-* and remove mounting plate.

- 2.3 Remove the front.



Figure 11

- 2.3.1 Install suction cup ⇒ *Figure 12-1-* on the front ⇒ *Figure 12-2-*.

- 2.3.2 Pull the suction cup to open a gap ⇒ *Figure 12-a-* on the front.

- 2.3.3 Guide cable through.

- 2.3.4 Lift the front by approx. 2 to 3 cm ⇒ *Figure 12-b-* until the guides come out of the mounts (cheese head bolts).

Remove the front from the frame.

- 3 Convert brackets, door stop plate and rear closing plate.

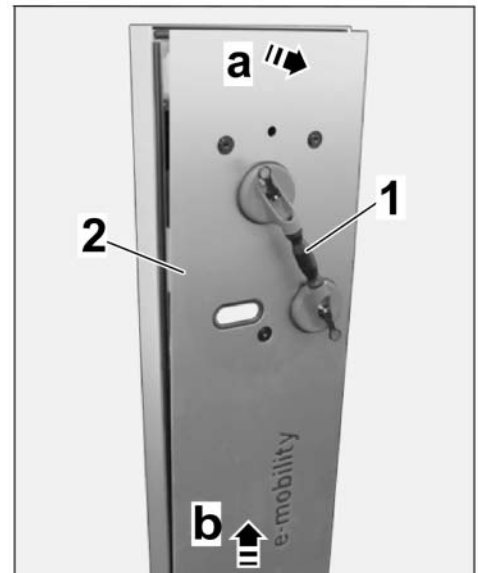


Figure 12

3.1 Mark installation positions of the components
⇒ *Figure 13*.

- 1 – Bracket
- 2 – Door stop plate
- 3 – Rear closing plate

3.2 Remove door stop plate and rear closing plate.

3.3 Remove holder.

3.4 Position new brackets at the markings and secure with new cheese head bolts (M5 x 8) and washers.

3.5 Position new door stop plate and new rear closing plate at the markings and secure with new cheese head bolts (M5 x 8) and washers.

3.6 **Only** for charging pedestal with illuminated logo:

Remove the electronics, disconnect the connecting lines and isolate them from the power supply.

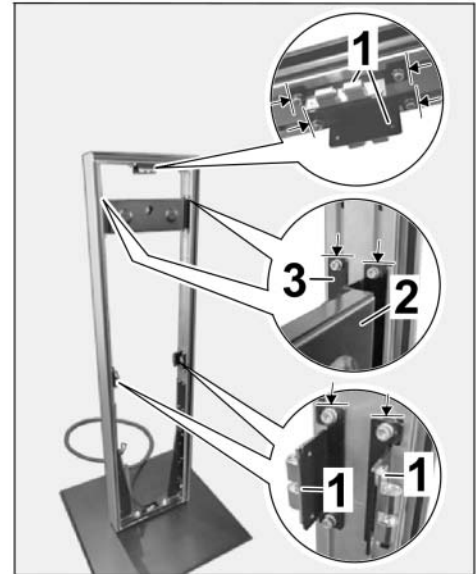


Figure 13

4 Install new back and new front.

4.1 Check gap dimension.

- 4.1.1 Insert new back ⇒ *Figure 14-1-* into the frame at the bottom ⇒ *Figure 14-2-* first using a suction cup. Make sure that the guides ⇒ *Figure 14-3-* engage in the mounts (cheese head bolts) ⇒ *Figure 14-4-*.

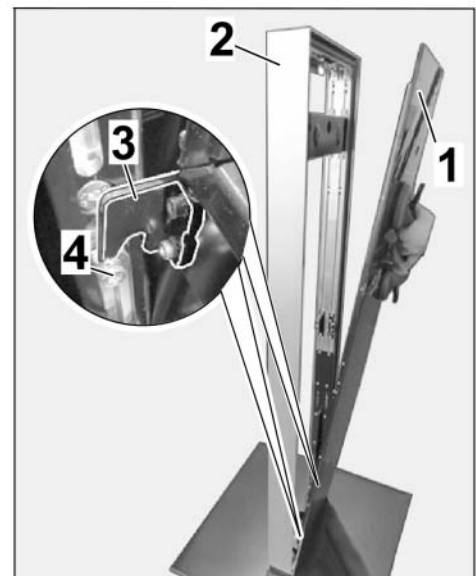


Figure 14

- 4.1.2 Press suction cup forward ⇒
Figure 15 -arrow- (back clicks into brackets).



Figure 15

- 4.1.3 Check that there is an equal gap ⇒ *Figure 16 -Arrows-* between the frame and glass (shown on aluminum back).

No: Remove the back and re-align the brackets.

Yes: Remove the back.

- 4.1.4 Check gap dimension of the new front as described in Steps 4.1.1 to 4.1.3.

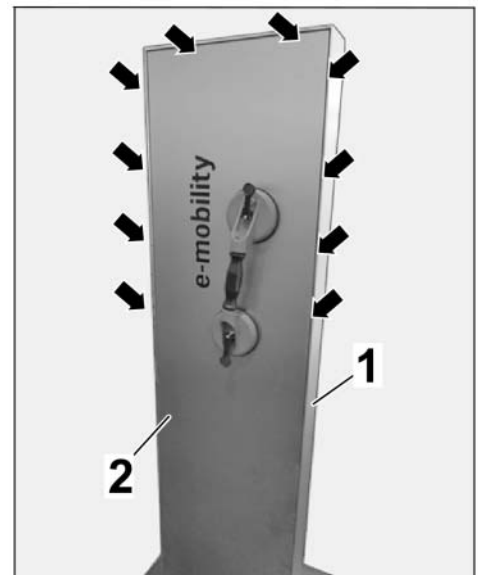


Figure 16



Information

The two cheese head bolts at the top secure the front to prevent it from falling out during transport, for example.

- 4.2 Position mounting plate ⇒ *Figure 17-1*- on the front.

Screw in cheese head bolts ⇒ *Figure 17-2*- to the dimension $x = 10$ mm.

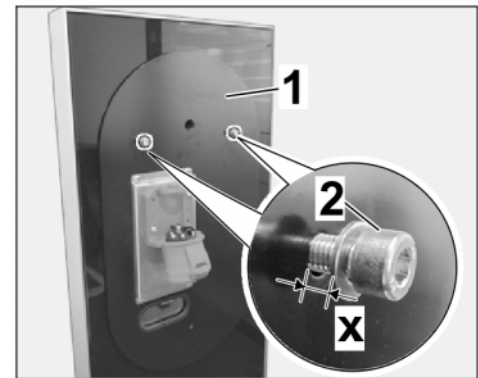


Figure 17

- 4.3 Guide cable ⇒ *Figure 18-1*- through the front ⇒ *Figure 18-a*-.

Insert key ⇒ *Figure 18-2*- through the opening in the rear closing plate.

Press the key in against the resistance and turn it counter clockwise ⇒ *Figure 18-b*- (lock opens).

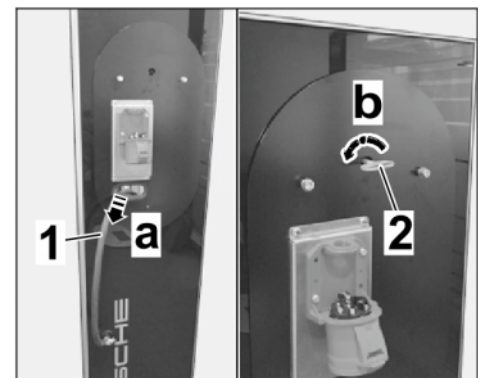


Figure 18

4.4 Install new back.

- 4.4.1 Insert new back ⇒ *Figure 19-1*- into the frame at the bottom ⇒ *Figure 19-2*- first using a suction cup. Make sure that the guides ⇒ *Figure 19-3*- engage in the mounts (cheese head bolts) ⇒ *Figure 19-4*-.

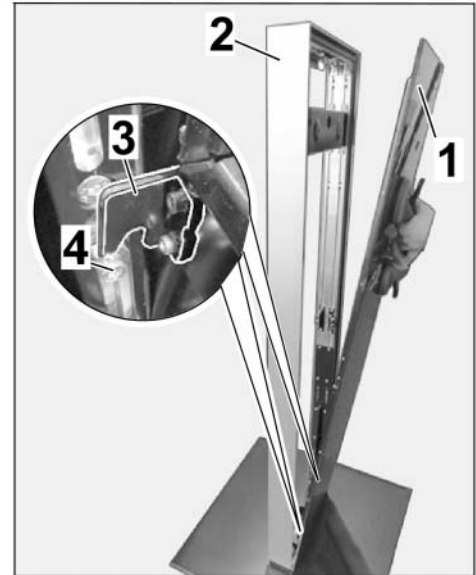


Figure 19

- 4.4.2 Press suction cup forward ⇒ *Figure 20*-**arrow**- (back clicks into brackets).
- 4.4.3 Turn the key clockwise (lock closes). Remove the key.



Figure 20



Electrical sockets not installed properly

- Risk of electric shock, short circuit, burns and fire
- ⇒ The country-specific electrical sockets must only be retrofitted by a qualified electrical technician. The qualified technician is responsible for ensuring compliance with the relevant standards and regulations.

- ⇒ **Shut off pre-fuse unit and secure it to prevent it from being inadvertently switched on again.**
- ⇒ **Never re-use a damage component.**

4.5 Connect cable ⇒ *Figure 21 -1-* to the country-specific electrical socket ⇒ *Figure 21 -2-*.

5 Concluding work:

5.1 Install charging dock holder.

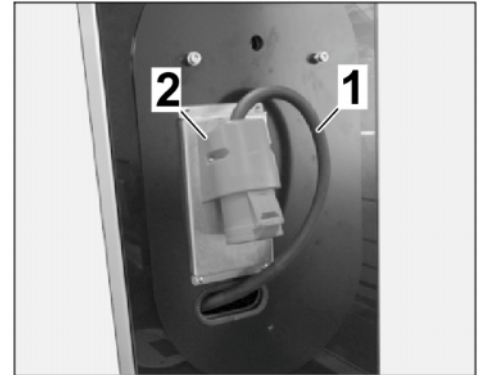


Figure 21

5.1.1 Centre the charging dock holder ⇒ *Figure 22 -1-* on the cheese head bolts at the top ⇒ *Figure 22 -2-* and push it down into the slot ⇒ *Figure 22 -arrow-*.

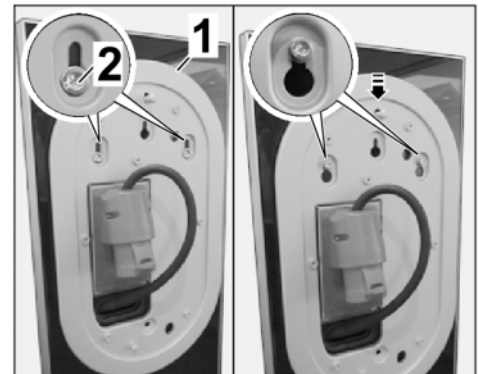


Figure 22

5.1.2 Screw in cheese head bolt at the bottom ⇒ *Figure 23 -1-* and tighten cheese head bolts at the top and bottom ⇒ *Figure 23 -2-*.

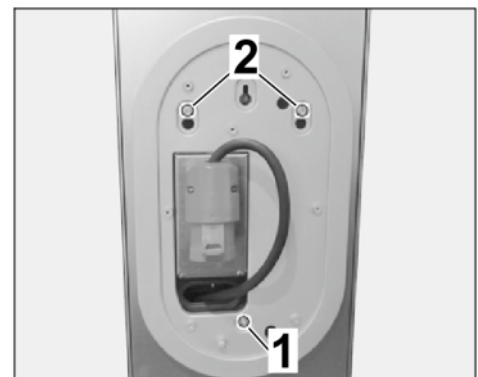


Figure 23

5.2 Install charging dock.

- 5.2.1 Position charging dock ⇒ *Figure 24 -1-* inclined slightly towards the rear on the top pin ⇒ *Figure 24 -2-*.

Position charging dock on the bottom pin ⇒ *Figure 24 -3-*.

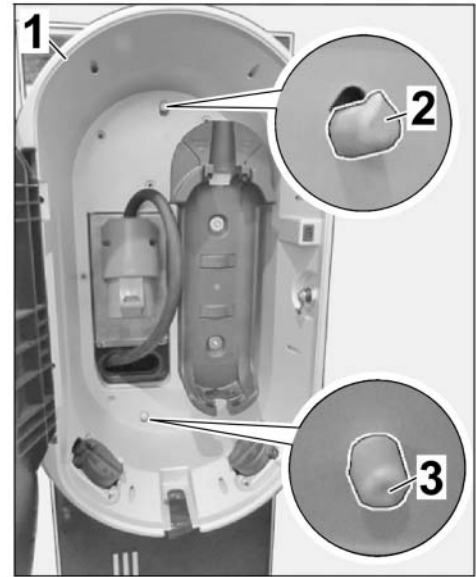


Figure 24

- 5.2.2 Screw in and tighten screws ⇒ *Figure 25 -1-*.

**Information**

Observe the safety instructions in the operating instructions for the Porsche Universal Charger!

- 5.3 Install Porsche Universal Charger.

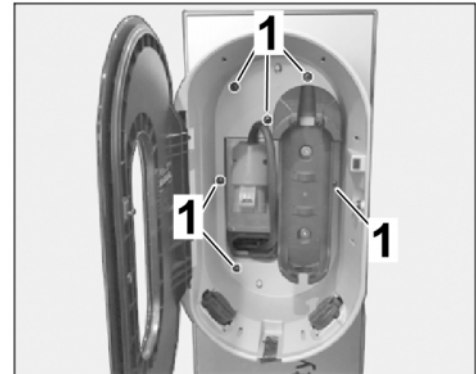


Figure 25

- 5.3.1 Insert control unit ⇒ *Figure 26-1-* into the locking lugs on the charging dock and engage it towards the rear.



Figure 26

- 5.3.2 Guide vehicle charging cable through the opening ⇒ *Figure 27-4-* and wind any unnecessary length of cable around the charging dock.

Insert vehicle plug ⇒ *Figure 27-3-* into holder ⇒ *Figure 27-b-*.

Plug power cable into the electrical socket ⇒ *Figure 27-2-* (⇒ *Figure 27-a-*).

Close the door ⇒ *Figure 27-1-*.

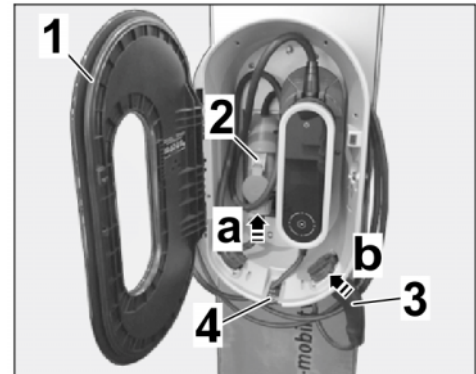


Figure 27

- 5.4 Start the charging pedestal (insert or switch on fuse).

09413140: Charging pedestal converted

Labor time: x TU

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