

**Eliminating Symptoms on Body Exterior - Replacing the Charging Socket (water does not drain from the charging socket/SY1315)**

Vehicle Type: **Panamera S Hybrid (970)**

Model Year: **As of 2014 up to 2015**

Subject: **Charging socket**

Symptom: Water does not sufficiently drain away from the charging socket area, especially after heavy rain. The water may remain in the charging socket for some time.

Electrical components of the charging socket, such as switches, connectors or LEDs, are corroded. This may also cause a check engine warning, hybrid warnings, and various fault codes related to the high voltage battery charger.

**Cause** The diameter of the water drain hose is too small or the water drain hose is kinked.

**Date of introduction** From model year 2015 (F) onwards, only components with a large diameter will be installed.

**Remedial action** Check the type of the existing water drain hose and charging socket. Replace with the new, larger diameter version depending on the respective existing type, see ⇒ *Workshop Manual '279619 Removing and installing charging socket'*.

⇒ During all work ensure that the **water drain hose is not kinked**.

Parts Info: **For USA plug connection variant:** 970.611.369.44 – **NEW** – ⇒ Charging socket (with water drain hose)  
 ⇒ **In the event of a complaint** on a vehicle **up to model year 2015 (F)**, use the new charging socket (with large diameter) (**contrary to specification in the PET** — which directs replacement only from 2015 onwards)

**Preliminary work**

- 1 Observe warning notes. ⇒ *Workshop Manual '2X00IN General warning notes for working on the high-voltage electrical system'*
- 2 Isolate the high-voltage system from the power supply and complete the relevant documentation. ⇒ *Workshop Manual '2X00IN Isolating high-voltage electrical system from power supply/Starting high-voltage electrical system'*

## Replacing charging socket

- 3 **Check the type and diameter of the existing water drain hose** before carrying out any further work.  
⇒ To do so you will need to expose the water drain hose:
  - 3.1 remove left rear wheel. ⇒ *Workshop Manual '440519 Removing and installing wheel - "Removing" section'*
  - 3.2 Remove rear wheel housing liner at the left. ⇒ *Workshop Manual '536919 Removing and installing rear wheel housing liner - "Removing" section'*
- 4 Determine the water drain hose diameter using a suitable measuring instrument:
  - The old type has a diameter of approx. **4 mm**:  
⇒ replace with the **new water drain hose** (complete component with charging socket and cable: 970.611.369.44), see ⇒ *Workshop Manual '279619 Removing and installing charging socket'*.

**End of action required.**

  - The new type of water drain hose has a diameter of approx. **8 mm**.  
⇒ check water drain hose has been installed without kinks.

**End of action required.**
- 5 Install rear wheel housing liner at the left. ⇒ *Workshop Manual '536919 Removing and installing rear wheel housing liner - "Installing" section'*
- 6 Install left rear wheel. ⇒ *Workshop Manual '440519 Removing and installing wheel - "Installing" section'*
- 7 Start the high-voltage system and complete the relevant documentation. ⇒ *Workshop Manual '2X00IN Isolating high-voltage electrical system from power supply/Starting high-voltage electrical system'*.

**Invoicing**

The work involved is invoiced under the labor operation:

APOS	Labor operation	I No.
27961900	Removing and installing charging sockets	

For invoicing and documentation using PQIS, enter the following coding:

Location (FES5)	27960	Charging socket
Damage type (SA4)	5011	Water leak

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