

**Verifying Absence of Electric Charge Using High-voltage Test Adapter HVA 280 or HVR 40 (41/13)**



**Information**

- Document with limited validity.

This Quick Information is valid until November 01, 2013.

Vehicle Type: **Panamera S E-Hybrid**

Model Year: **2014**

Concerns: **Special tool "High-voltage test adapter"**

Information: **Different procedure for manually verifying absence of electric charge using high-voltage test adapter.**

Due to a delay in the availability of high-voltage test adapter HVR 40, absence of electric charge on the high-voltage system can only be verified for the time being using high-voltage test adapter HVA 280.

When using **high-voltage test adapter HVA 280**, absence of electric charge is checked **at the high-voltage charger** at the right-hand side of the luggage compartment.

With **high-voltage test adapter HVR 40** (which will be available around the 4th quarter of 2013), absence of electric charge is verified directly **at the lithium-ion high-voltage battery** at the left-hand side of the luggage compartment.

Tools: **VAS 6558/9-6 - High-voltage test adapter HVA 280**  
**VAS 6558/9-7 - High-voltage test adapter HVR 40**

Work Procedure:



**Information**

The following work must only be carried out by a person who is at least trained and qualified as a **recognized high-voltage technician**.



**Information**

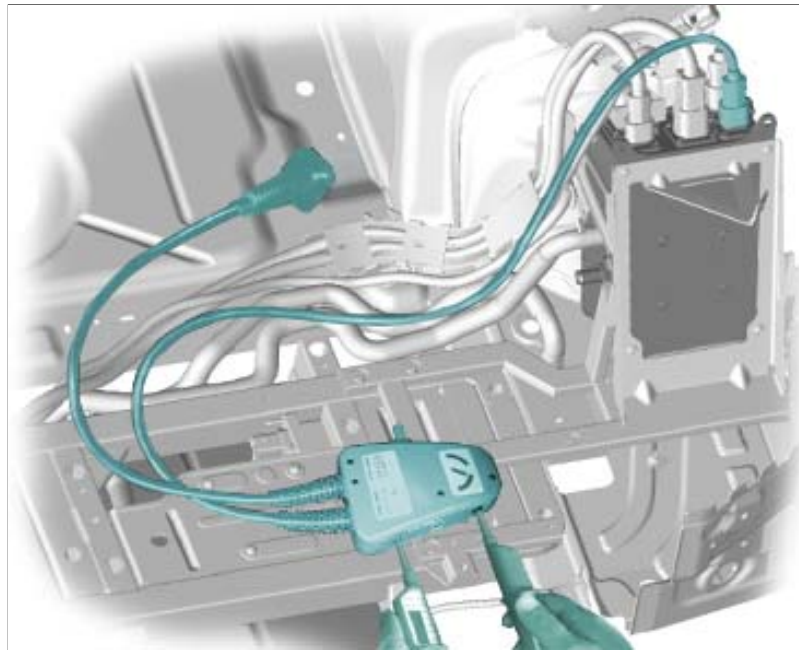
When checking the system using **VAS 6558/9-7 - high-voltage test adapter HVR 40** or **VAS 6558/9-6 - high-voltage test adapter HVA 280**, make sure not to damage the pins in the socket of the test adapter.

**Manual verification of absence of electric charge using VAS 6558/9-6 - high-voltage test adapter HVA 280 at the high-voltage charger**

- 1 Release and pull off dummy connection on the high-voltage charger.
- 2 **VAS 6558/9-6 - High-voltage test adapter HVA 280** must be connected to the high-voltage charger.
- 3 Connect dummy connection to **VAS 6558/9-6 - high-voltage test adapter HVA 280**.
- 4 Carry out measurements in accordance with the test log.

**Information**

The test logs **Verifying absence of electric charge (e-hybrid)** and **Restarting high-voltage system (e-hybrid)** can be found under Standard forms in the PPN.



*Measuring voltage at HV line*

- 5 **VAS 6558/9-6 - High-voltage test adapter HVA 280** can now be disconnected.
- 6 Create test log **Verifying absence of electric charge (e-hybrid)** and place it in the vehicle documents folder.

**Information**

If the system could not be isolated from the power supply, stop working on the system and contact Technical Support.

- 7 Connect dummy connection to the high-voltage charger again.

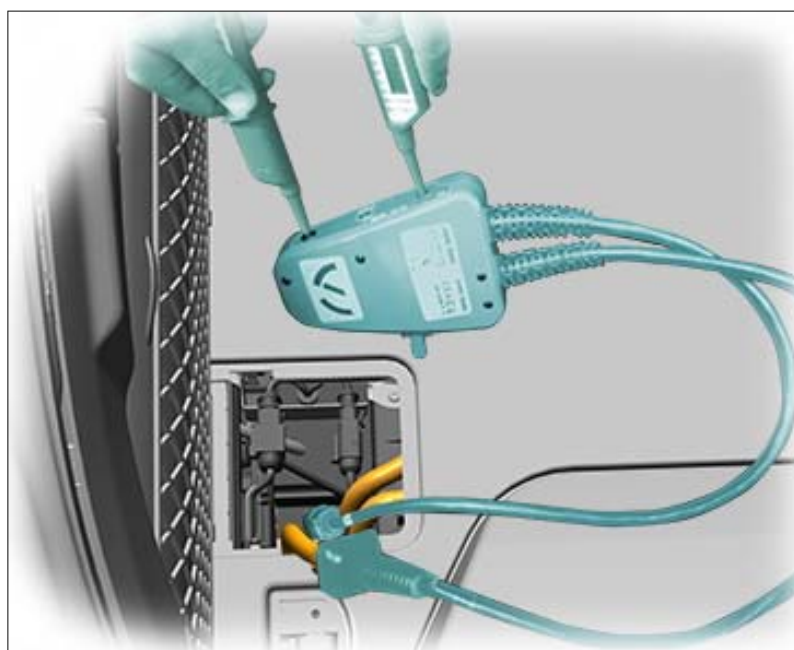
**Manual verification of absence of electric charge using VAS 6558/9-7 - high-voltage test adapter HVR 40**

- 1 Release and disconnect high-voltage connector for high-voltage line to the high-voltage charger at the high-voltage battery.
- 2 **VAS 6558/9-7 - High-voltage test adapter HVR 40** must be connected between the high-voltage battery and high-voltage line to the high-voltage charger.
- 3 Carry out measurements in accordance with the test log.



**Information**

The test logs **Verifying absence of electric charge (e-hybrid)** and **Restarting high-voltage system (e-hybrid)** can be found under Standard forms in the PPN.



*Measuring voltage at high-voltage battery*

- 4 **VAS 6558/9-7 - High-voltage test adapter HVR 40** can now be disconnected.
- 5 Create test log **Verifying absence of electric charge (e-hybrid)** and place it in the vehicle documents folder.



**Information**

If the system could not be isolated from the power supply, stop working on the system and contact Technical Support.

- 6 Connect high-voltage connector for high-voltage line to the high-voltage charger at the high-voltage battery.

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