

WC49 - Replacing Analog Clock With Sport Chrono Clock (Pre-Delivery Campaign)

Note:	CRITICAL WARNING - THIS CAMPAIGN INCLUDES STEPS WHERE SEVERAL CONTROL UNITS IN THE VEHICLE WILL BE PROGRAMMED WITH THE PIWIS TESTER. IT IS CRITICAL THAT THE VEHICLE VOLTAGE BE BETWEEN 13.5 VOLTS AND 14.5 VOLTS DURING THIS PROGRAMMING. OTHERWISE, THE PROGRAMMING COULD FAIL RESULTING IN DAMAGED CONTROL UNITS. CONTROL UNITS DAMAGED BY INADEQUATE VOLTAGE WILL NOT BE COVERED UNDER WARRANTY. THE TECHNICIAN MUST VERIFY THE ACTUAL VEHICLE VOLTAGE IN THE INSTRUMENT CLUSTER OR IN THE PIWIS TESTER BEFORE STARTING THE CAMPAIGN. IT IS ALSO ADVISABLE TO MONITOR THE VEHICLE VOLTAGE DURING THE PROGRAMMING VIA THE INSTRUMENT CLUSTER. PLEASE REFER TO EQUIPMENT INFORMATION EQ-1105 FOR A LIST OF SUITABLE BATTERY CHARGERS/POWER SUPPLIES WHICH SHOULD BE USED TO MAINTAIN VEHICLE VOLTAGE.
Model Year:	2013
Revision:	Revision 1 - October 18, 2012 - amends WC49 under "Affected Vehicles" to read: VEHICLES OUTSIDE THE SCOPE OF WC49, AND IN RESPONSE TO CUSTOMER COMPLAINTS, SHOULD HAVE THE ANALOG CLOCK REPLACED WITH ANOTHER ANALOG CLOCK.
Vehicle Type:	FOR PRE-DELIVERY VEHICLES ONLY Panamera / Panamera 4 / Panamera S Hybrid Panamera S / Panamera 4S / Panamera Turbo PRE-DELIVERY VEHICLES ONLY - As this is a pre-delivery campaign only, the campaign for each vehicle will be closed automatically when a warranty start date is created in the system at time of sale, i.e., the VIN list will be updated automatically to eliminate sold vehicle VINs.
Equipment:	Analog clock on dashboard (I-no. QR3)
Subject:	Analog clock on dashboard.
Information:	Due to a software error in the analog clock, communication between the analog clock and the CAN network can be interrupted and the clock remains stopped on the affected vehicles. Furthermore, it may occur that the second hand becomes stuck due to poor tolerances of the hand shaft.
Action Required:	PRE-DELIVERY CAMPAIGN Before delivering vehicles to customers, replace the analog clock on the dashboard with a Sport Chrono clock .

Affected Vehicles: Only the vehicles assigned to the pre-delivery campaign (see also PIWIS Vehicle Information). This campaign affects 128 vehicles in North America. **VEHICLES OUTSIDE THE SCOPE OF WC49, AND IN RESPONSE TO CUSTOMER COMPLAINTS, SHOULD HAVE THE ANALOG CLOCK REPLACED WITH ANOTHER ANALOG CLOCK.**

Parts Info: **DO NOT ORDER PARTS. PARTS REQUIRED FOR THIS CAMPAIGN WILL BE AUTOMATICALLY ALLOCATED TO YOUR DEALERSHIP.**

000.043.208.02

⇒ Stopwatch

1

Tools: **9818 - PIWIS Tester II**
Battery Charger/Power Supply - Suitable for AGM Type batteries, recommended current rating of 70A fixed voltage 13.5V to 14.5V. Refer to Equipment Information EQ-1200 and EQ-1105.

Work Procedure: See Attachment "A".

Claim Submission: See Attachment "B">

Attachment "A" - Replacing analog clock with Sport Chrono clock

Work Procedure: **NOTE: VEHICLE VOLTAGE MUST REMAIN BETWEEN 13.5 AND 14.5 VOLTS DURING THE ENTIRE WORK PROCEDURE.**

- 1 Remove **analog clock** previously installed in vehicle ⇒ *Workshop Manual '902219 Removing and installing stopwatch - section on "Removing"*.
- 2 Install a **Sport Chrono clock** in place of previously installed analog clock, part number 000.043.208.02 ⇒ *Workshop Manual '902219 Removing and installing stopwatch - section on "Installing"*.

Teaching and coding Sport Chrono clock in the vehicle system

NOTICE

Coding will be aborted in the event of low voltage.

- **Increased current draw during diagnosis can cause a drop in voltage, which can result in one or more fault entries and the abnormal termination of the coding process.**
- ⇒ **Before commencing work, connect a suitable battery charger with a current rating of at least 40 A to the jump-start terminals in the engine compartment.**

NOTICE

Coding will be aborted if the Internet connection is unstable.

- An unstable Internet connection can interrupt communication between PIWIS Tester II and the vehicle communication module (VCI). As a result, coding may be aborted.

⇒ During control unit coding, always connect PIWIS Tester II to the vehicle communication module (VCI) via the USB cable.

Work
Procedure:

NOTE: VEHICLE VOLTAGE MUST REMAIN BETWEEN 13.5 AND 14.5 VOLTS DURING THE ENTIRE WORK PROCEDURE.

- 1 Connect a battery charger with a current rating of **at least 40 A** to the jump-start terminals in the engine compartment.
- 2 PIWIS Tester II must be connected to the vehicle communication module (VCI) via the **USB cable**. Then, connect the communication module to the vehicle and switch on the PIWIS Tester.



Information

The procedure described here is based on the PIWIS Tester II software version **11.000**.

The PIWIS Tester instructions take precedence and in the event of a discrepancy, these are the instructions that must be followed.

A discrepancy may arise with later software versions for example.

- 3 On the PIWIS Tester start screen, call up the ⇒ **'Diagnostics'** menu and select vehicle type ⇒ **'Panamera'**.

The diagnostic application is then started and the control unit selection screen is populated.

- 4 **Adapt vehicle data.**

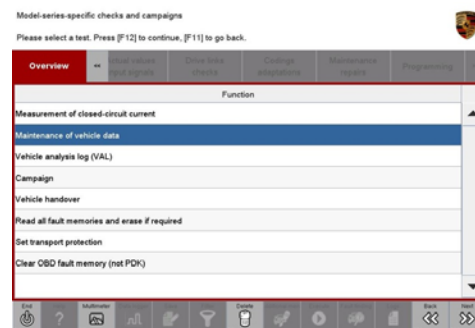


Information

After replacing the analog clock with the Sport Chrono clock, I-no. **'639 – Sport Chrono package'** must be selected instead of the previously stored I-no. for the analog clock in the vehicle data.

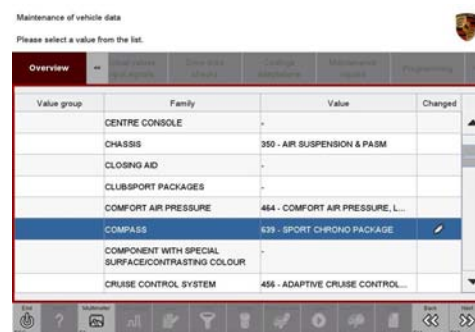
- 4.1 In the control unit selection screen (Menu ⇒ 'Overview') press **[F7]** to call up the ⇒ **'Additional menu'**.
- 4.2 When the question "Create Vehicle Analysis Log (VAL)?" appears, either press **[F12]** to create a VAL or press **[F11]** if you do not want to create a VAL.
- 4.3 Press **[>>]** to acknowledge the message informing you that campaigns for the vehicle are stored in the PIWIS information system.

- 4.4 Select ⇒ **'Maintenance of vehicle data'** and press **>>** to confirm your selection.
- 4.5 Press **>>** to skip the displays containing information about vehicle description, colors/materials and X numbers.



Maintenance of vehicle data

- 4.6 In the M numbers display, select **'639 – Sport Chrono package'** under ⇒ **'Compass'** instead of the previously entered value **'QR3'** or **'- - -'**. Then press **>>** to continue.



Adapting vehicle data

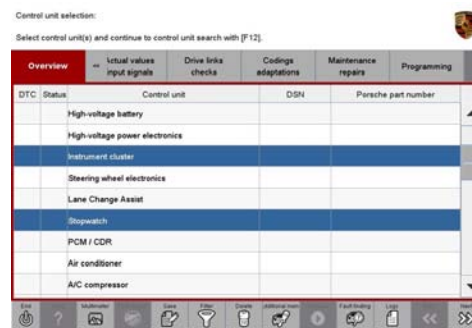
- 4.7 Press **F8** to save the change and then press **>>** to continue.
- 4.8 Press **F8** to save the values again and complete the change to the vehicle order by pressing **>>**.
- 4.9 Select the ⇒ **'Overview'** menu and press **<<** to return to the control unit selection screen.



Storing change in vehicle order

- 5 **Re-code the stopwatch and the instrument cluster.**

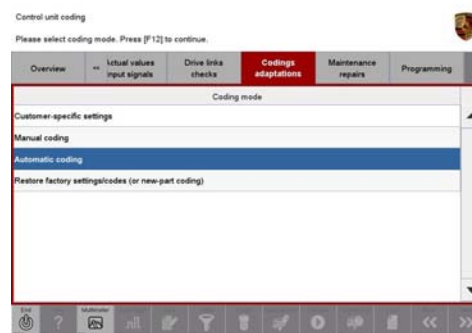
- 5.1 Select ⇒ **'Instrument cluster'** and ⇒ **'Stopwatch'** in the control unit selection screen and confirm your selection by pressing **[>>]**.
- 5.2 Once the control units have been found, select the ⇒ **'Codings/adaptations'** menu.



Control unit selection –
Stopwatch/Instrument cluster

- 5.3 Select the ⇒ **'Automatic coding'** function and press **[>>]** to start control unit coding.
- 5.4 When coding is complete, the message “Coding has been completed successfully” is displayed and a tick appears in the 'Status' box.

If coding is **not** completed successfully (error message “Coding was not completed successfully”), coding must be **repeated**.



Automatic coding

- 5.5 Once coding is completed successfully, press **[>>]** to continue.
- 5.6 Press **[<<]** to return to the control unit overview.

6 Read out and erase fault memories.

- 6.1 In the control unit overview, press **[F7]** to call up the Additional menu.
- 6.2 Select the function ⇒ **'Read all fault memories and erase if required'** and confirm your selection by pressing **[>>]**.

The fault memories of the control units are read out.
- 6.3 Once you have read out the fault memories, erase the fault memory entries by pressing **[F8]**.
- 6.4 Press **[F12]** (“Yes”) in response to the question as to whether you really want to erase all fault memory entries.



Information

If other control units are found to have faults, which cannot be erased and are not associated with replacement of the stopwatch, these faults must be found and corrected. This work **cannot** be invoiced under the pre-delivery campaign number.

6.5 Once you have erased the fault memories, select the ⇒ **'Overview'** menu and press  to return to the control unit selection screen.

- 7 Switch off ignition.
- 8 Disconnect the PIWIS Tester from the vehicle.
- 9 Switch off and disconnect the battery charger.
- 10 Check that the Sport Chrono clock displays the correct time and the second hand is working properly.

Note that the time is only displayed if activated in the instrument cluster's vehicle menu settings. Instruction on how to activate/deactivate this is outlined in the vehicle Owner's Manual.

- 11 Do **not** enter the pre-delivery campaign in the Warranty and Maintenance booklet.

Attachment "B"

Claim Submission - Pre-delivery Campaign WC49

Warranty claims should be submitted via WWS/PQIS.

Open campaigns may be checked by using either the PIWIS Vehicle Information system or through PQIS Job Creation.

Labor, parts, and sublet will be automatically inserted when Technician is selected in WWS/PQIS. If necessary, the required part numbers will need to be manually entered into warranty system by the dealer administrator.

Scope 1: **Only relevant for the Cayenne (92A) - see Technical Information for this vehicle type.**

Scope 2:

Working time:

Replacing analog clock with Sport Chrono clock

Labor time: **84 TU**

Includes:

- Removing and installing cover for loudspeaker at the left and right
- Removing and installing cover for dashboard (defroster trim)
- Removing and installing cover for center loudspeaker
- Connecting and disconnecting the battery charger
- Connecting and disconnecting PIWIS Tester
- Teaching Sport Chrono clock in the vehicle system
- Coding Sport Chrono clock and instrument cluster
- Reading out and erasing fault memory

Parts required:

000.043.208.02	Stopwatch	1
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⇒ **Damage Code WC49 066 000 2**

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