

Time and Date Display Not Up-to-Date/Available After the 12-Volt Vehicle Electrical System Battery has been Disconnected for a Long Time (04/26)

Model Line: **Cayman/Boxster (981)
911 (991)
Panamera (970)
Macan (95B)
Cayenne (92A)**

Model Year: **As of 2010 up to 2016**

Concerns: **Front display/control panel (PCM 3.1)**

Cause: **The customer complains that the time and date display is not up-to-date/available after the vehicle has been parked for a long time without a connected or discharged vehicle electrical system battery.**

Information: On vehicles with Porsche Communication Management (PCM 3.1), the date and time are automatically synchronized via satellite navigation signals (GPS).
The time and date displays are not set manually on these vehicles.



Information

Component replacement will not work in the case of this fault pattern.

Action: In the event of a customer complaint, proceed as follows:

- 1 Change vehicle order **temporarily** to control number "**7Q0**". (Note original value)
- 2 Set the time and date display manually on the instrument cluster.
- 3 Reset control number to original value.

Required tools

- Tools:
- **P90999 - Porsche Tester 4**
 - Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g., **battery charger 90 A**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charging the vehicle electrical system battery'*

Setting time and date display manually



Information

The previous original value of the PR number family "Navigation PCM" must be noted and re-installed after setting the time and date display.

- Work Procedure:
- 1 Connect and switch on the battery charger.
⇒ *Workshop Manual '270689A4 Charge battery and vehicle electrical system'*
 - 2 Connect **P90999 - Porsche Tester 4**, switch on the ignition and start the diagnostic application.
 - 3 Change vehicle order **temporarily** to control number **"7Q0"**.



Information

The vehicle data is maintained via a guided Tester procedure.

Pay particular attention to the following:

- A connection to the Internet is required for the Tester procedure.
 - Depending on the changes made to the vehicle data, automatic coding and backup documentation of the affected control units is performed after saving these changes.
 - Read and follow the **information and instructions on the Porsche Tester** during the guided procedure.
 - Do not interrupt the coding process. When coding is complete, the message "Coding has been completed successfully" is displayed and a tick will then appear in the 'Status' box.
- 3.1 In the control unit selection ('Overview' menu) press **(F7)** to call up the Additional menu.
 - 3.2 Select the **'Vehicle data maintenance with Porsche-ONLINE'** function and press **(F12)** ('Next') to confirm.
 - 3.3 Press **(F12)** ('Next') to skip the displays containing information about vehicle description, colours / materials and X numbers.
 - 3.4 On the second page of the M numbers, **write down the original value of the PR number family "Navigation PCM"**.
 - 3.5 Set coding value **"7Q0"** to the vehicle data. To do this, select the corresponding coding value via the drop-down menu in the "PR number family".
The original value is **replaced by the coding value "7Q0"**.
Make sure that the 'Installed' column is **ticked** and that the pen symbol is displayed in the 'Changed' column.
Then press **(F12)** ('Next') to close the PR numbers display.
 - 3.6 Press **(F8)** in the overview that is then displayed to save the changed vehicle data.
 - 3.7 Once you have saved the vehicle data, press **(F11)** ('Back') to return to the control unit selection screen.

4 Re-code instrument cluster control unit.

The basic procedure to follow for control unit coding is described in the Workshop Manual.

⇒ *Workshop Manual '270689A4 Basic instructions and procedure for control unit programming using the PIWIS Tester'*

Required Porsche Tester software release:	43.800.040 (or higher)
Type of control unit coding:	Control unit coding using the 'Automatic coding' function for the control unit: Control unit 'Instrument cluster' – menu 'Coding/programming' – function 'Automatic coding' .
Coding sequence:	Read and follow the information and instructions on the Porsche Tester during the guided procedure. Do not interrupt the coding process. When coding is complete, the message "Coding has been completed successfully" is displayed and a tick appears in the 'Status' box.
Procedure if control unit coding is not successful :	Repeat control unit coding.

5 Set the time and date display manually on the instrument cluster.

For work procedure, see: ⇒ **Vehicle Driver's Manual** - section: "Instrument panel and multi-function display"

6 Reset vehicle data to original value.

- 6.1 In the control unit selection ('Overview' menu) press **(F7)** to call up the Additional menu.
- 6.2 Select the **'Vehicle data maintenance with Porsche-ONLINE'** function and press **(F12)** ('Next') to confirm.
- 6.3 Press **(F12)** ("Next") to skip the displays containing information about vehicle description, colours / materials and X numbers.
- 6.4 On the second page of the M numbers, set the **original value of the PR number family "Navigation PCM"** to the vehicle data as noted in Step 3.4. To do this, select the corresponding coding value via the drop-down menu in the "PR number family".
The coding value "7Q0" is **replaced by the original value**.
Make sure that the 'Installed' column is **ticked** and that the pen symbol is displayed in the 'Changed' column.
Then press **(F12)** ('Next') to close the PR numbers display.
- 6.5 Press **(F8)** in the overview that is then displayed to save the changed vehicle data.
- 6.6 Once you have saved the vehicle data, press **(F11)** ('Back') to return to the control unit selection screen.

- 7 Re-code instrument cluster control unit again.

Type of control unit coding:	Control unit coding using the ' Automatic coding ' function for the control unit: Control unit ' Instrument cluster ' – menu ' Coding/programming ' – function ' Automatic coding '.
Coding sequence:	Read and follow the information and instructions on the Porsche Tester during the guided procedure. Do not interrupt the coding process. When coding is complete, the message "Coding has been completed successfully" is displayed and a tick appears in the 'Status' box.
Procedure if control unit coding is not successful :	Repeat control unit coding.

- 8 Read out and delete all control unit fault memories.
- 9 Exit the diagnostic application, switch off the ignition and disconnect **P90999 - Porsche Tester 4** from the vehicle.
- 10 Switch off and disconnect the battery charger.
⇒ *Workshop Manual '270689 Charging the vehicle electrical system battery'*

End of action.

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