

**Instrument Cluster Displays Remain Black After Switching on the Ignition: Re-Programming Instrument Cluster Control Unit (94/24)**

Model Line: **Panamera (971)**

Model Year: **As of 2021 up to 2023**

Concerns: **Instrument cluster control unit**

Cause: **The customer complains that the displays on the left and right on the instrument cluster continuously remain black after the ignition is switched on.**

Action: In the event of a customer complaint, re-program the instrument cluster control unit.



**Information**

The minimum programming requirement is the PIWIS Tester software release: **42.800.010**

**Required Tools**

- Tools:
- **P90999 - PIWIS Tester 4**
  - Battery charger with a current rating of **at least 90 A**, e.g. **VAS 5908 - 90-A battery charger**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charging battery and vehicle electrical system'*

**Re-programming instrument cluster control unit**

Work Procedure: 1 The basic procedure for control unit programming is described in the Workshop Manual ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*.

**Specific information on control unit programming as part of this Technical Information:**

Required PIWIS Tester test software release:	<b>42.800.010</b> (or higher)
Type of control unit programming:	Control unit programming using the ' <b>Automatic programming</b> ' function of the instrument cluster control unit:  ' <b>Instrument cluster</b> ' control unit – ' <b>Coding / programming</b> ' menu – ' <b>Automatic programming</b> ' function.

Programming sequence:	<p>Read and follow the <b>information and instructions on the PIWIS Tester</b> during the guided programming sequence.</p> <p>During the programming sequence, the <b>instrument cluster control unit is re-programmed</b> and then <b>automatically re-coded</b>.</p> <p><b>Do not interrupt the programming and coding process.</b></p> <p>Once the control units have been programmed and coded, you will be prompted to switch the ignition off and then back on again after a certain waiting time.</p> <p>Backup documentation of the new software releases is then performed.</p>
Programming time (approx.):	<b>Up to 110 minutes</b>
Data record thus programmed for the instrument cluster control unit:	<p>Instrument cluster control unit software release:</p> <ul style="list-style-type: none"> <li>▪ Model Year M (2021): <b>0019 (or higher)</b></li> <li>▪ Model Years N, P (2022, 2023): <b>0081 (or higher)</b></li> </ul> <p>Following control unit programming, the software release can be read out from the relevant control unit using the PIWIS Tester in the menu ⇒ 'Incremented identifications'.</p>
Procedure in the event of error messages appearing during the programming sequence:	⇒ <i>Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - Section on "Troubleshooting"</i>
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by restarting programming.



### Information

If the instrument cluster control unit cannot be successfully programmed even after several attempts or the instrument cluster control unit cannot be accessed using the PIWIS Tester, the instrument cluster must be replaced.

- 2 Read out and delete all control unit fault memories.
- 3 Exit the diagnostic application. Switch off the ignition. Disconnect **P90999 - PIWIS Tester 4** from the vehicle.
- 4 Switch off and disconnect the battery charger.  
⇒ *Workshop Manual '270689 Charging battery/vehicle electrical system'*

**Labor position and PCSS encryption**

Labor position:

<b>APOS</b>	<b>Labor operation</b>	<b>I No.</b>
90252540	Programming instrument cluster	
90255540	Replacing instrument cluster	

PCSS encryption:

<b>Location (FES5)</b>	90250	Instrument cluster
<b>Damage type (SA4)</b>	1612	at times not functioning

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