

WJ89 - Changing Vehicle Order in the Instrument Cluster (Workshop Campaign)

Important: **CRITICAL WARNING** - This campaign includes steps where control unit(s) in the vehicle will be programmed with the PIWIS Tester. The vehicle voltage must be maintained between 13.5 volts and 14.5 volts during this programming. Failure to maintain this voltage could result in damaged control unit(s). Damage caused by inadequate voltage during programming is not a warrantable defect. The technician must verify the actual vehicle voltage in the PIWIS Tester before starting the campaign and also document the actual voltage on the repair order.

Model Year: 2017

Model Line: Panamera (971)

Subject: Instrument cluster

Information: **Due to a process error, the control number SP7 for the software variant of the PDK control unit was not stored in the vehicle order on the affected vehicles.**

When the PDK control unit is programmed again using the PIWIS Tester, the wrong software variant will be written into the control unit because the control number is not stored. When programming is complete, a red error message will be displayed in the instrument cluster due to the fact that the wrong PDK software is assigned and this will prevent the driver from engaging the required gear and driving the vehicle.

Remedial Action: Change vehicle order using the PIWIS Tester.

Affected Vehicles: Only the vehicles assigned to the campaign (see also PIWIS Vehicle information). This campaign affects 222 vehicles in North America.

Required tools

- Tools:**
- **9900 - PIWIS Tester 3**
 - **Battery Charger/Power Supply** - Suitable for AGM Type batteries, recommended current rating of 90A fixed voltage 13.5V to 14.5V.

Preparatory work

NOTICE

Fault entry in the fault memory and/or control unit diagnosis aborted due to low-voltage.

- **Increased power consumption during diagnosis can cause a drop in voltage, which can result in one or more fault entries and abortion of the diagnostic process.**

⇒ Before starting control unit diagnosis, connect a suitable battery charger with a current rating of at least 90 A to the vehicle.

NOTICE

Control unit diagnosis will be aborted if the WiFi connection is unstable.

- An unstable WiFi connection can interrupt communication between the PIWIS Tester and the vehicle communication module (VCI). As a result, control unit diagnosis may be aborted.

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

NOTICE

Control unit diagnosis will be aborted if the driver's key is not recognized

- If the driver's key is not recognised in the vehicle, the diagnostic function cannot be started or will be interrupted.

⇒ Place the driver's key with the back facing down into the front left storage compartment in the center console to guarantee a continuous radio link between the vehicle and the driver's key.

Work Procedure: 1 Connect a battery charger with a current rating of at least 90 A (e.g. VAS 5908 - Battery charger 90A).

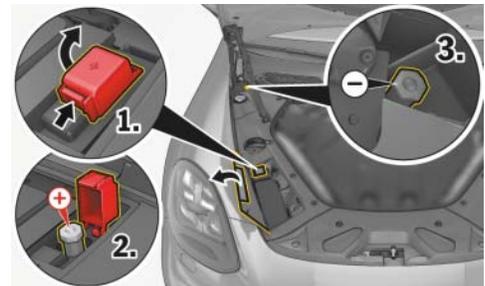
First connect the positive cable of the charger to the positive terminal ⇒ *Jump-start terminals -2-* and then connect the negative cable of the charger to the ground point for jump-lead starting ⇒ *Jump-start terminals -3-*.

Then switch on the battery charger and start trickle charging the battery.

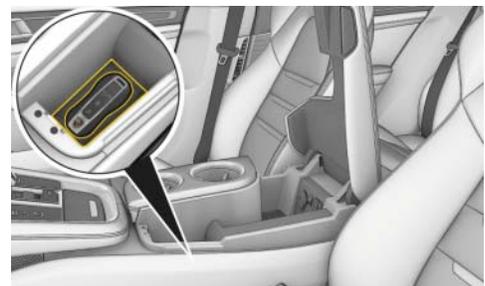
2 Place the driver's key with the back facing down into the front left storage compartment in the center console ⇒ *Driver's key in storage compartment*. This will guarantee an uninterrupted radio link between the vehicle and the driver's key.

3 **9900 - PIWIS Tester 3** 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.

4 Switch on the ignition.



Jump-start terminals



Driver's key in storage compartment

- On the PIWIS Tester start screen, call up the **'Diagnostics'** application.
The vehicle type is then read out, the diagnostic application starts and the control unit selection screen is populated.

Change vehicle order in instrument cluster



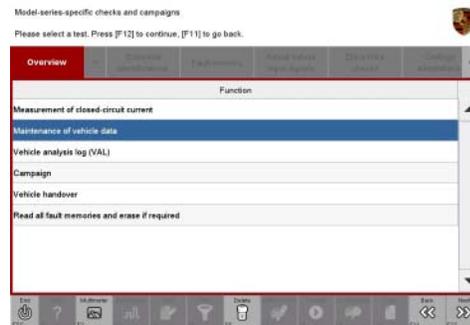
Information

The procedure described here is based on the PIWIS Tester software version **37.900.040**.

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.

- Work Procedure: 1 In the control unit selection screen (**'Overview'** menu), press **•F7** to call up the Additional menu.
- 2 When the question "Create Vehicle Analysis Log (VAL)?" appears, either press **•F12** ('Yes') to create a VAL or press **•F11** ('No') if you do not want to create a VAL.
- 3 Press **•F12** ('Next') to acknowledge the message informing you that campaigns for the vehicle are stored in the PIWIS information system.
- 4 Select **'Maintenance of vehicle data'** and press **•F12** ('Next') to confirm your selection ⇒ *Maintenance of vehicle data*.
- 5 Press **•F12** ('Next') to skip the displays containing information about vehicle description, colors/materials and X numbers.



Maintenance of vehicle data

- 6 Add the coding value **'SP7 – REPAIR DATA RECORD FOR MAIN TRANSMISSION'** to the vehicle data. To do this, click on the tick in the "Installed" field for the relevant coding value to select the value.
Make sure that the 'Installed' column is **ticked** and that the pen symbol appears in the 'Changed' column ⇒ *Coding value SP7*.

value group	Coding value	Installed	Changed
SMS - FUEL MARKET C			
SM7 - FUEL MARKET E			
SP0 - PROCESSING OF FLOWCHART WITH 'AM'			
SP9 - TYPISIERUNGSAHRSZUG			
SP7 - REPAIR DATA RECORD FOR MAIN TRANSMISSION		<input checked="" type="checkbox"/>	
SVM - CONTROL BLOCK 4			
SVM - SCOPE FROM EXCLUSIVELY RANGE			
SZ8 - EAWG CTRL. FOR SERV.			
SZ9 - FACTORY COLLECTION			

Coding value SP7

- 7 Press **•F12** ('Next') twice to end the process and then press **•F8** to save the change.

- 8 Press •F11“ (‘Back’) to return to the control unit selection screen.

Concluding work

- Work Procedure: 1 Create vehicle analysis log (VAL) using the PIWIS Tester.
Mark the vehicle analysis log you have just created with the attribute "After repairs" and return it using the PIWIS Tester.
- 2 Switch off the ignition.
 - 3 Disconnect the PIWIS Tester from the vehicle.
 - 4 Switch off and disconnect the battery charger.
 - 5 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing

Scope 1:

Working time:

Changing vehicle order in the instrument cluster

Labor time: **21 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting PIWIS Tester
Creating vehicle analysis log (VAL)

⇒ **Damage Code WJ89 066 000 1**

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