

Complaint - Cannot Calibrate Electric Parking Brake: Re-programming electric parking brake control unit (129/18)

Model Line: **Panamera (971)**

Model Year: **As of 2017 up to 2018**

Subject: **Electric parking brake control unit**

Information: **If the brake shoes or disc brakes need to be replaced, calibration of the electric parking brake cannot be carried out due to a software error.**

In the event of a complaint, the electric parking brake control unit must be re-programmed.

- Tools:
- **9900 - PIWIS Tester 3** with software **version 37.600.020** (or higher) installed
 - **Battery charger** with a current rating of **at least 90 A**.

Work
Procedure:

NOTICE

Voltage drop

- **Risk of irreparable damage to control unit**
 - **Risk of damage to control unit**
 - **Fault entries in the control unit**
 - **Coding in the control unit is aborted**
 - **Malfunctions in control unit, even during programming**
- ⇒ **Before disconnecting the control unit, switch off ignition and remove ignition key.**
- ⇒ **Make sure that the power supply is not interrupted during programming.**
- ⇒ **Connect battery charger/power supply - Suitable for AGM Type batteries, recommended current rating of 90A fixed voltage 13.5V to 14.5V.**

NOTICE

Coding will be aborted if the WLAN connection is unstable.

- **An unstable WLAN connection can interrupt communication between PIWIS Tester 3 and the vehicle communication module (VCI). As a result, coding/programming may be aborted.**
- ⇒ **During control unit coding/programming, always connect PIWIS Tester 3 to the vehicle communication module (VCI) via the USB cable.**

1 Preliminary work:

- 1.1 Connect a battery charger with a current rating of **at least 90 A**.
- 1.2 Place the driver's key in the console tray.
- 1.3 **9900 - PIWIS Tester 3** with software version **37.600.020** (or higher) installed 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.
- 1.4 On the PIWIS Tester start screen, call up the ⇒ **'Diagnostics'** menu.
The diagnostic application is then started and the control unit selection screen is populated.

2 "Electric parking brake" control unit ⇒ re-program:

**Information**

The procedure described here is based on the **9900 - PIWIS Tester 3** test software version **37.600.020**.

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.

Menu	⇒	Control unit/Function	⇒	Action	⇒	confirm/execute
• Instructions/information or				• ⇒ Result/consequence of action		
2.1 Control units 'Overview'		'Additional menu'		call up		•F7"
2.2 ⇒ Follow instructions:						•Yes" /•No" / •F12"
• Create Vehicle Analysis Log (VAL) if necessary and						
• carry out any campaigns that are available for the vehicle.						
2.3		'Campaign'		select		•F12"
2.4 Campaign number		Value: 'L2G7X'		enter		•F12"

<p>Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. Then press •>>“ to continue.</p> <p>During the programming sequence, the control unit is re-programmed and then re-coded automatically if necessary.</p> <p>Do not interrupt programming and coding.</p> <p>Once control unit programming - and coding if necessary - is complete, you will be prompted to switch the ignition off and then back on again after a specified waiting time.</p>			
2.5	Control units 'Overview'	Electric parking brake	select •F12“
2.6	'Extended identifications'		select
	Software version programmed during this campaign	0151	
<p>If programming is not completed successfully (error message “Programming unsuccessful”), programming must be repeated.</p>			

3 **Subsequent work:**

- 3.1 Read out and erase all fault memories.
- 3.2 Switch off the ignition.
- 3.3 Disconnect the PIWIS Tester from the vehicle.
- 3.4 Switch off and disconnect the battery charger.

End of action required.

Invoicing: The work involved is invoiced under the labor operation:

APOS	Labor operation	I No.
46622550	Programming electric parking brake control units	

For invoicing and documentation using PQIS, enter the following coding:

Location (FES5)	46620	Electric parking brake control unit
Damage type (SA4)	4000	Electrical faults

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