PORSCHE

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**:

🟡 *i*   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/conse-quence** of action		
2.1	Control units '**Overview**'		'**Additional menu**'		call up		•F7"
2.2	⇒ **Follow instructions:**						•Yes" / •No" /
	• Create Vehicle Analysis Log (VAL) if necessary and						•F12"
	• carry out any campaigns that are available for the vehicle.						
2.3			'**Campaign**'		select		•F12"
2.4	Campaign number		Value: '**L2G7X**'		enter		•F12"

	Read and follow the **information and instructions on the PIWIS Tester** during the guided programming sequence. Then press •>>" to continue.			
	During the programming sequence, the control unit is re-programmed and then re-coded automatically if necessary. **Do not interrupt programming and coding.**			
	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.			
2.5	Control units 'Overview'	**Electric parking brake**	select	•F12"
2.6	'**Extended identifications**'		select	
	Software version programmed during this campaign		**0151**	
	If programming is not completed successfully (error message "Programming unsuccessful"), programming must be **repeated**.			

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