

Symptom in Vehicle Interior - Air Conditioning Does Not Function: Re-coding air-conditioning control unit (SY 10/18)

Model Line: **718 Boxster (982)**
718 Cayman (982)

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

Subject: **Air-conditioning control unit** (also control panel/switch console)

Symptom: **Reduced or no cooling air flow from the air conditioning system.**

Cause: Too much condensation can be produced while cooling the vehicle.
The condensation freezes and causes the evaporator to ice up.

Remedial Action: **Re-program the air-conditioning control unit** by entering the **campaign number**.
The evaporator temperature is increased slightly to reduce the build-up of condensation.

Tools: **9900 - PIWIS Tester 3** with test software version **36.400.000** (or higher) installed.
Battery Charger/Power Supply - Suitable for AGM Type batteries, recommended current rating of 90A fixed voltage 13.5V to 14.5V

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
- ⇒ Switch off ignition before disconnecting the control unit.
- ⇒ Make sure that the power supply is not interrupted during programming.
- ⇒ Connect a battery charger with a current rating of at least Nominal value 90 A to the vehicle battery.

NOTICE

Coding/programming will be aborted in the event of 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 coding process.
- ⇒ Before commencing work, connect a suitable battery charger with a charging current of at least 90 A to the jump-start terminals in the engine compartment.

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.

**Information**

The procedure described here is based on the **9900 - PIWIS Tester 3** software version **36.400.000**.

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.

1 Preliminary work:

- 1.1 Connect a battery charger with a current rating of **at least 90 A**.
- 1.2 Switch on the ignition using the **original driver's key**. For vehicles with "Porsche Entry & Drive", do this by replacing the control panel in the ignition lock with the original driver's key if necessary.
- 1.3 **9900 - PIWIS Tester 3** with software version **36.400.000** (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 Re-program the air-conditioning control unit:

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" /
		• 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: 'F3U2T'		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>							
<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 For vehicles with Porsche "Entry & Drive", replace the original vehicle key in the ignition lock with the control panel again.
- 3.5 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.
87022550	Programming climate control	

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

Location (FES5)	85150	Heating/fresh-air unit
Damage type (SA4)	1418	Iced up/frozen

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