

Symptom in Vehicle Interior - Complaint Regarding Memory Function of Rear Air-conditioning Control Unit and Noise Caused by Flaps on all Versions: Re-programming air-conditioning control unit (SY 122/17)



Information

These symptom-based repair instructions replace the instructions dated January 29, 2018.

Changes/additions:

- A new, updated **software version 1360 is available.**



Information

These symptom-based repair instructions replace the instructions dated November 3, 2017.

Changes/additions:

- The remedial action/procedure was changed to "**programming the air-conditioning control unit by entering the campaign number**".

Model Line: **Macan (95B)**

Model Year: **As of 2014 up to 2018**

Equipment: 3-zone Climatronic (I-no. 9AQ)

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

Symptom: **When starting the vehicle, an unsuitable air conditioning setting is preset in the rear air-conditioning control unit.**

Only air conditioning settings from driver's key 1 are stored and applied to all other driver's keys.

Additionally, there may also be complaints about noises from the ventilation system.

Cause: The last air conditioning settings from driver's keys 2-4 cannot be read out quickly enough.

The last stored setting from driver's key 1 is used.

Noises can occur if the minimum flap angle is too small.

Remedial Action: **Re-program the air-conditioning control unit** by entering the **campaign number**.

This increases the time allowed for reading out the driver's key.

– **Noises** are **reduced** by using a modified minimum flap angle.

Read out the part number of the existing air-conditioning control unit:

Select ⇒ Control unit '**Overview**' ⇒ "**Air conditioning**" control unit ⇒ press •F12" to continue ⇒ read off **part number**.

a) Air-conditioning control units (switch console) **with one of the following part numbers** can be re-programmed by entering the campaign number:

- **95B.907.040.AJ,**
- **95B.907.040.AK** or
- **95B.907.040.AL.**

b) If the part number of the existing **air-conditioning control unit** (switch console) **does not correspond to one of these part numbers** ⇒ replace air-conditioning control unit (switch console), see ⇒ *Workshop Manual '962755 Replacing switch console'*.

Tools: **9900 - PIWIS Tester 3** with software version **37.250.020** (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**
- ⇒ **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/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.

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**. On vehicles with "Porsche Entry & Drive", do this by replacing the control unit in the ignition lock with the original driver's key if necessary.
- 1.3 **9900 - PIWIS Tester 3** with software version **37.250.020** (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 Re-program the **air-conditioning control unit**:



Information

The procedure described here is based on the **9900 - PIWIS Tester 3** software version **36.000**.

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.

Menu	⇒	Control unit/Function	⇒	Action	⇒	confirm/execute
•		Instructions/information or		• ⇒		Result/consequence of action
2.1		Control units 'Overview'		'Air conditioning' control unit		select •F12"
2.2		'Extended identifications'		Software version		read off

<p style="text-align: center;">Software version:</p> <ul style="list-style-type: none"> • 1350 or lower = old software version • 1360 = new software version <p style="text-align: center;">After programming, the software version is 1360.</p>			
2.3	Control units 'Overview'	'Additional menu'	call up •F7"
2.4	⇒ Follow instructions:		•Yes" /•No" /
	<ul style="list-style-type: none"> • Create Vehicle Analysis Log (VAL) if necessary and • carry out any campaigns that are available for the vehicle. 		•F12"
2.5		'Campaign'	select •F12"
2.6	Campaign number	Value: 'M7Y9Q'	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.
96275500	b) Replacing switch console	
87022580	a) Programming air conditioning control	

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

Location (FES5)	87020	Air-conditioning system control
Damage type (SA4)	1614	Function not as specified

References: ⇒ *Workshop Manual '962755 Replacing switch console'*

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