

**Symptom - Body Exterior - Locking Beep Not as Specified (I-no. 7AH/7AL):
Re-programming rear-end electronics control unit (SY 51/18)**

Vehicle Type: **Macan (95B)**

Model Year: **As of 2016**

Equipment: **Alarm system (I-no. 7AH/7AL)**

Subject: **Control unit for rear-end electronics**

Symptom: When locking the vehicle, the locking beep can sometimes be heard only once instead of twice.

Cause: Insufficient communication between the horn and rear-end electronics control unit can cause the locking beep to sound only once.

Remedial Action: Re-program the rear-end electronics control unit, see ⇒ *Workshop Manual '578955 Replacing control unit for rear-end electronics'*.

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

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 **37.600.010** (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 ⇒ **"Rear-end electronics" control unit:**



Information

The procedure described here is based on the **9900 - PIWIS Tester 3** software version **37.600.010**.

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.

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: 'S3T6P'		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'	Rear-end electronics.	select •F12”
2.6	'Extended identifications'		select
	Software version programmed during this campaign	3610	
<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.
57892550	Programming control units for rear-end electronics	

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

Location (FES5)	91500	Buzzer
Damage type (SA4)	1614	Function not as specified

References: ⇒ Workshop Manual '578955 Replacing control unit for rear-end electronics'

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