

Software Error in the Auxiliary Alarm System Control Unit Leads to Fault Memory Entry "B107314" in the Airbag Control Unit (27/ 24)

Model Line: Panamera (971)

Model Year: As of 2018 up to 2021

Equipment:

- Pre-fitting VTS and Porsche Car Connect (PCC, M-No. 7G9)
- VTS security package (with PCC) and keypad (M-No. 7I0)
- Porsche Vehicle Tracking System Plus (PVTs Plus, M-No. 7I2)

Concerns: VTS control unit

Cause: A software error in the control unit for the auxiliary alarm system is causing delays in the start-up behavior of the control unit.
As a result, there is briefly no voltage signal on the crash signal line to the airbag control unit. This subsequently causes the yellow airbag warning light to be displayed in the instrument cluster.

The following fault memory entry is stored in the fault memory entry of the airbag control unit:

- B107314 - Crash signal analogue, short circuit to ground or open circuit (907314)



Information

The functionality of the airbag control unit with regard to the triggering of the restraint systems is not reduced despite the active warning lamp.

Action: If there is a customer complaint, re-program the auxiliary alarm system control unit with the latest PIWIS Tester software release.



Information

The minimum programming requirement is the PIWIS Tester software release: 42.600.034

Required tools

Tool:

- P90999 - PIWIS Tester 4
- Battery charger with a current rating of at least 90 A, e.g., 90A battery charger. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charging battery and vehicle electrical system'*

Re-programming control unit for auxiliary alarm system

- 1 The basic work procedure for control unit programming is described in the Workshop Manual ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - section on "Programming"*.

Specific information on control unit programming in the context of this Technical Information:

Required PIWIS Tester software release:	42.600.034 (or higher)
Type of control unit programming:	Control unit programming using the 'Campaign' function in the additional menu on the PIWIS Tester by entering a programming code.
Programming code:	C2Q4P
Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. During the programming sequence, the control unit is re-programmed and then re-coded automatically. Do not interrupt programming and coding. A backup documentation process for the re-programmed software releases starts as soon as programming and coding is complete.
Programming time (approx.):	1 minutes
Software programmed during this campaign:	• Software release of control unit for auxiliary alarm system: 0374 • Software part number: 7PP.035.620.GD Following control unit programming, the software release can be read out from the relevant control unit using the PIWIS Tester in the menu ⇒ 'Incremented identifications'.
Procedure in the event of error messages appearing during the programming sequence:	⇒ <i>Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - section on "Troubleshooting"</i> .
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by re-entering the programming code.

- 2 Read out and delete all control unit fault memories.
 - 2.1 In the control unit selection ('Overview menu') press • F7“ to call up the Additional menu.
 - 2.2 Select the function "Read all fault memories and delete if necessary" and press • F12“ ('Next') to confirm.
- 3 Exit the diagnostic application, switch off the ignition, disconnect the PIWS tester from the vehicle.
- 4 Switch off and disconnect the battery charger.

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
90642510	Programming auxiliary alarm system control unit	

PCSS encryption:

Location (FES5)	90640	Additional alarm system control unit
Damage type (SA4)	4095	for software release not compatible

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