

WNT0 - Re-Programming Control Unit for Air-Conditioning System (Workshop Campaign)

Important: **CRITICAL WARNING** -This campaign includes steps where control unit(s) in the vehicle will be programmed with the PIWIS Tester. The vehicle voltage must be maintained between 13.5 volts and 14.5 volts during this programming. Failure to maintain this voltage could result in damaged control unit(s). Damage caused by inadequate voltage during programming is not a warrantable defect. The technician must verify the actual vehicle voltage in the PIWIS Tester before starting the campaign and also document the actual voltage on the repair order.

Model Year: **2023**

Model Line: **Taycan (Y1A/Y1B/Y1C)**

Concerns: **Air-conditioning system control unit**

Information: **There is a possibility that the bootloader programmed on the air-conditioning system control unit does not meet the required specifications for programming data security on the affected vehicles.**

To ensure that the bootloader programmed on the air-conditioning system control unit meets the required specifications, the air-conditioning system control unit must be re-programmed with an updated data record.

Action required: Re-program the air-conditioning system control unit with the **latest** PIWIS Tester software version.
Minimum requirement: Version **41.700.020**

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

Required tools

- Tool:
- **9900 - PIWIS Tester 3 / 4**
 - **Battery charger** with a current rating of **at least 90 A**, e.g. **VAS 5908 Battery charger 90A**

Re-programming air-conditioning system control unit

Work Procedure: 1 The basic 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'*.

For specific information on control unit programming as part of this campaign, see the table below:

Required PIWIS Tester software version:	41.700.020 (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:	C4S3B
Programming sequence:	<p>Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence.</p> <p>During the programming sequence, the air conditioning system control unit is re-programmed and then automatically re-coded.</p> <p>Do not interrupt programming and coding.</p> <p>A backup documentation process for the re-programmed software versions starts once programming and coding is complete.</p>
Programming time (approx.):	3 minutes
Software version programmed as part of this campaign:	<ul style="list-style-type: none"> Air-conditioning system control unit: 1850 <p>Following control unit programming, the software version can be read out of the air-conditioning system control unit in the ⇒ 'Extended identification' menu using the PIWIS Tester.</p>
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'.</i>
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by restarting programming.

- Teach and check servo motors for air-conditioning system, unless this is already done in the programming sequence.
- Read out all **fault memories**, process and delete existing faults if necessary.
- Exit the diagnostic application. Switch off ignition. Disconnect the Tester from the vehicle.
- Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing

Scope 1: **Re-programming air-conditioning system control unit**

Labor time:

Re-programming air-conditioning system control unit

Labor time: **39 TU**

Includes:

- Connecting and disconnecting battery charger
- Connecting and disconnecting PIWIS Tester
- Teaching servomotor for air-conditioning system
- Reading out and deleting fault memories

⇒ **Damage code WNT0 066 000 1**

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