

WNT5 – Re-Programming DME Control Unit (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: **As of 2021 up to 2023**

Model Line: **Cayenne E-Hybrid (9YA/9YB)**

Concerns: **DME control unit**

Information: **Optimized software for the DME control unit is available for the affected vehicles.**
This software update improves exhaust gas post-treatment and the on-board diagnostics system of the vehicles.

Action Required: Re-program the DME control unit with the latest PIWIS Tester software version.
Minimum requirement: Version **41.500.013**

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

Required tools

- Tools:
- **P90999 - PIWIS Tester 4**
 - Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g. **VAS 5908 90A battery charger**


Re-programming DME control unit

Work Procedure: 1 Re-program DME control unit.

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 during this campaign, see table below.

Required PIWIS Tester software version:	41.500.013 (or higher)
Type of control unit programming:	Control unit programming using the ' Automatic programming ' function of the DME control unit: 'DME' control unit – ' Coding / programming ' menu – ' Automatic programming ' function.
Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. During the programming sequence, the DME control unit is re-programmed first, and then the transmission control unit is re-programmed. Both control units are then automatically re-coded . Do not interrupt programming and coding. Once the control units have been programmed and coded, you will be prompted to switch the ignition off and then back on again after a certain waiting time. Backup documentation of the new software versions is then performed.
The programming sequence takes (approx.):	12 minutes
Software version programmed in this campaign:	0006 (or higher)
Procedure in the event of a termination of control unit programming:	<ul style="list-style-type: none"> ▪ Switch ignition off and then on again. ▪ Read out and delete the fault memories ⇒ <i>Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - "Rework" section'</i>. ▪ Repeat control unit programming by restarting programming.
Procedure in the event of other error messages appearing during the programming sequence:	See ⇒ <i>Technical Information '9X00IN Warranty processing'</i> section.

- 2 Select the **DME** control unit in the **Overview**.
 - 3 Select **Maintenance/repairs**. Press **(F12)** to continue.
 - 4 Select **Adaptations**. Press **(F12)** to continue.
All functions listed under Adaptations must be individually selected and adapted.
 - 5 Function selected. Press **(F12)** to continue.
 - 6 Adapt function. Press **(F8)** to start.
 - 6.1 Perform adaptation according to menu guidance. End adaptation with **(F8)**.
 - 7 Select the next function. Perform adaptation (for instructions, see above).
 - 8 Read out all **fault memories**, process and delete existing faults if necessary.
-  **Information**
If control units are found to have faults that are **not** caused by control unit programming, these must first be **found** and **corrected**. This work **cannot** be invoiced under the workshop campaign number.
- 9 Exit the diagnostic application. Switch off ignition. Disconnect the Tester from the vehicle.
 - 10 Switch off and disconnect the battery charger.
 - 11 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing

Scope 1: **Re-programming DME control unit**

Labor time:

Re-programming DME control unit

Labor time: **55 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting PIWIS Tester
Performing adaptations
Reading out and deleting fault memories

⇒ **Damage code WNT5 066 000 1**

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