

WPRO - Re-Coding Thermal Management 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 2020 up to 2023**

Model Line: **Cayenne (9YA/9YB)**

Concerns: **Thermal management control unit**

Cause: **Due to the current diagnostic design for monitoring the cooling water changeover valve (UVW3), it is possible that the cooling water changeover valve (UVW3) is incorrectly diagnosed as defective on the affected vehicles.**
As a result, the Check Engine light in the instrument cluster will be activated, although there is no mechanical or electrical fault present.

Action: Re-code the TME control unit with the **latest** PIWIS Tester software release.
Minimum requirement: Release **42.300.030**

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

Required tools

- Tool:**
- **P90999 - P90999 - PIWIS Tester 4**
 - Battery charger with a current rating of **at least 90 A**, e.g., **VAS 5908 battery charger 90 A**

Re-code thermal management control unit

Work Procedure: 1 **Re-code thermal management control unit.**

The basic procedure to be followed for coding the control unit is described in the Workshop Manual:
⇒ *Workshop Manual 'Basic instructions and procedure for control unit programming using the PIWIS Tester'*

Specific information on control unit coding as part of this campaign	
Required PIWIS Tester software release:	42.300.030 (or higher)
Type of control unit coding:	Control unit coding using the 'Automatic coding' function for the control unit: 'Thermal management' (TME) control unit – 'Coding / programming' menu – 'Automatic coding' function.
Coding sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided coding sequence. Do not interrupt the coding sequence. When coding is complete, the message 'Coding has been completed successfully' is displayed and a tick appears in the "Status" box.
Procedure if control unit coding is not successful :	Repeat control unit coding.

- 2 Read out and delete all control unit error memories.
 - 2.1 Press **•F7** in the control unit selection screen ('Overview' menu) to call up the Additional menu.
 - 2.2 Select the function "Read all error memories and delete if necessary" and press **•F12** ('Next') to confirm.
- 3 Enter campaign in the Warranty and Maintenance logbook.

Warranty processing

Scope 1:

Labor time:	
Re-code thermal management control unit	Labor time: 23 TU
Includes:	<ul style="list-style-type: none"> Connecting and disconnecting battery charger Connecting and disconnecting PIWIS Tester Reading out and deleting fault memories
⇒ Damage number WPRO 066 000 1	

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