

ARB4 – Re-Coding Control Unit for Left and Right Headlights (Stop Delivery / Recall Campaign)

Vehicle Type: **Taycan (Y1A) / Taycan 4S (Y1A)
Taycan 4 Cross Turismo (Y1B) / Taycan 4S Cross Turismo (Y1B)**

Model Year: **2024**

Concerns: **Control units for left and right headlights**

Cause: **Due to a faulty data set in the headlight control units in the affected vehicles, the position lighting in the headlights is switched off without authorization during the flashing sequence.** Consequently, specific legal requirements for position lighting in North America are not met.

Action: Re-code the control units for the left and right headlights with the **latest** PIWIS Tester software release.



Information

The minimum requirement for coding is the PIWIS Tester software release: **42.900.030**

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**, e.g., **VAS 5908 - 90-A battery charger**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charge battery and vehicle electrical system'*

Re-coding control unit for left and right headlights

Work Procedure: 1 **Re-code the left and right control unit for headlights.**

The basic procedure to be followed for coding the control unit is described in the Workshop Manual ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*

Specific information on control unit coding as part of this campaign	
Type of control unit coding:	Control unit coding using the "Automatic coding" function for the control units: Select Left headlight control unit (A31) and Right headlight control unit (A27) – "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 coding. 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 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 Switch on the left and right direction indicators one after the other and check the front left and right headlights to determine whether the side lights remain activate during flashing pauses.



*Representation of flashing **after** coding*

Systematic representation of flashing **after** coding (the side lights remain active during the flashing pause).



Information

If the side lights do not remain on during flashing pauses as shown above (Figures 2 and 4), coding must be repeated.

- 4 Enter the campaign in the Warranty and Maintenance logbook.

Warranty processing



Information

The specified labor times were determined specifically for carrying out this campaign and include all required preliminary and rework. The labor time may differ from the labor time published in the Labor Operation List in PCSS.

Scope 1: **Re-coding control unit for left and right headlights**

- For vehicles with Stop Delivery

Labor time:	
Re-coding control unit for left and right headlights	Labor time: 34 TU
Includes:	Re-coding control unit for left and right headlights
	Connecting and disconnecting battery charger
	Connecting and disconnecting PIWIS Tester
	Reading out and deleting fault memories
	Check direction indicator function
⇒ Damage number ARB4 099 000 1	

Scope 2: **Re-coding control unit for left and right headlights**

- For vehicles in a recall campaign

Labor time:	
Re-coding control unit for left and right headlights	Labor time: 50 TU
Includes:	Re-coding control unit for left and right headlights
	Connecting and disconnecting battery charger
	Connecting and disconnecting PIWIS Tester
	Reading out and deleting fault memories
	Check direction indicator function
⇒ Damage number ARB4 099 000 1	

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