

**HomeLink Garage Door Opener - Learning Process not Feasible: Re-Coding Front-End Electronics (BCM1) Control Unit (124/24)**

Revision: This bulletin replaces bulletin ATI Group 9 2418.1, dated July 29, 2024.

Model Year: **As of 2020 up to 2024**

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

Equipment: HomeLink garage door opener (**M-no. VC2**)

Concerns: **Central computer**

Information: **The customer complains that the teaching process for a garage door cannot be completed successfully.**

During the teaching process for the garage door, a memory space in the form of a memory button on the mirror is queried in the central display of the PCM control unit. However, this memory button is not available on Taycan vehicles from model years 2020 – 2024.

Cause: Previous faulty coding of the front-end electronics control unit (BCM1) caused by the PIWIS Tester can cause this fault pattern.

Action: Re-code the front-end electronics control unit (BCM1) using the PIWIS Tester if there is a customer complaint.



**Information**

The minimum requirement for coding is the PIWIS Tester software release **42.800.020** (or higher)

**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 - battery charger 90A**. 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-coding front-end electronics (BCM1) control unit

- Work Procedure: 1 Connect and switch on the battery charger.  
⇒ *Workshop Manual '270689 Charging battery/vehicle electrical system'*
- 2 Place the original remote control in the emergency start tray.
- 3 Connect the **P90999 - PIWIS Tester 4**, switch on ignition and start the diagnostic application.
- 4 Re-code front-end electronics (BCM1) control unit.

The basic procedure to be followed for coding the control unit is described in the Workshop Manual:  
⇒ *Workshop Manual '270689 Basic instructions and procedure for control unit programming using the PIWIS Tester'*

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

|   |   |
|---|---|
| Required PIWIS Tester software release:                     | <b>42.800.020</b> (or higher)   |
| Type of control unit coding:                                | Control unit coding using the ' <b>Automatic coding</b> ' function for the control unit:<br><br>' <b>Front-end electronics</b> ' (BCM1) control unit – ' <b>Coding/programming</b> ' menu – ' <b>Automatic coding</b> ' function.   |
| Coding sequence:  | Read and follow the <b>information and instructions on the PIWIS Tester</b> during the guided coding sequence.<br><br><b>Do not interrupt the coding process.</b><br><br>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 <b>not successful</b> : | Repeat control unit coding.   |

- 5 Exit the diagnostic application. Switch off ignition. Disconnect **P90999 - PIWIS Tester 4** from the vehicle.
- 6 Switch off and disconnect the battery charger.  
⇒ *Workshop Manual '270689 Charging battery/vehicle electrical system'*

**Labor position and PCSS encryption**

Labor position:

| <b>APOS</b> | <b>Labor operation</b>                             | <b>I No.</b> |
|-------------|--|--------------|
| 94492540    | Programming control unit for front-end electronics |              |

PCSS encryption:

|                          |       |                   |
|--------------------------|-------|-------------------|
| <b>Location (FES5)</b>   | 91520 | Central computer  |
| <b>Damage type (SA4)</b> | 1134  | programming error |

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