

**Replacing and Re-programming Control Unit for Rear Lid (for I-no. 4E7/GY1) (Closing aid does not function at times/SY0215)**

**General information**

**Symptom**

Closing aid for rear lid (I-no 4E7/GY1) does not function at times.  
The message "Tailgate open" can be displayed in the instrument cluster.

**Cause, date of introduction and remedial action**

**Cause**

The rear lid closes at a higher speed particularly at cold temperatures.  
The signal from the microswitch in the lid lock is too short and cannot be read out clearly by the control unit software.

Model Year: **As of 2011 up to 2015**

**Date of introduction**

Rear lid control units with updated software have been installed in the vehicle since November 7, 2014.

**Remedial action**

Replace, re-code and teach (calibrate) the existing rear lid (tailgate) control unit, depending on the software version.

**Tools and materials**

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**958.618.080.04 — NEW —** ⇒ Control unit (for rear lid (tailgate), = 7P5.959.107.F)

**9900 - PIWIS Tester III**

**Battery Charger/Power Supply** - Suitable for AGM Type batteries, recommended current rating of 70A fixed voltage 13.5V to 14.5V

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#### NOTICE

#### Voltage drop

- Risk of irreparable damage to control unit
  - Risk of damage to control unit
  - Fault entries in the control unit
  - Coding in the control unit is aborted
  - Malfunctions in control unit, even during programming
- ⇒ Switch off the ignition and remove the ignition key before disconnecting the control unit.
- ⇒ Ensure that the power supply is not interrupted during programming.
- ⇒ Connect a battery charger with a current rating of at least Nominal value 70 A to the vehicle battery.



#### Information

The **9900 - PIWIS Tester III** instructions take precedence since the description may be different with later Tester releases.

The procedure described here has been structured in general terms; different text or additions may appear on the **9900 - PIWIS Tester III**.

- 1 Connect a charger or power supply, suitable for AGM type batteries, recommended current rating of 70A fixed voltage 13.5V to 14.5V to the vehicle and switch it on.
- 2 Connect the PIWIS Tester to the vehicle and switch it on.
- 3 Switch on ignition.
- 4 **Read out the software version** of the existing rear lid (tailgate) control unit:
  - 4.1 Select the "**Tailgate**" control unit in the '**Control unit overview**' on the PIWIS Tester and press **•F12** to confirm your selection.
  - 4.2 Read out the software version of the rear lid (tailgate) control unit in the Extended identifications' menu:
    - a) If the **software version is "0043"** (or if the part number index is 7P5.959107.F), the control unit can remain in the vehicle  
⇒ continue with Step ⇒ 6

b) If the **software version is not "0043"** ⇒ replace the control unit with a **new control unit** (Part No.: 958.618.080.04):

**5 Replace control unit for rear lid (tailgate), depending on the software version:**

- 5.1 Select the **"Control unit replacement"** function in the 'Tailgate control unit' selection area in the **'Maintenance/repairs' menu** and press **•F12"** to confirm.
- 5.2 Select the **"Read data" function** and press **•F12"** to confirm.
- 5.3 Press **•F8"** to start reading out data.
- 5.4 Check the chassis number. Press **•F12"** to confirm.
- 5.5 Switch off ignition and install new control unit, see Workshop Manual ⇒ *Workshop Manual '556819 Removing and installing control unit for rear lid'*.
- 5.6 The rear lid remains open.  
  
Switch on ignition, select **"Write data"** in the 'Maintenance/repairs' menu (for instructions, see above) and press **•F12"** to confirm your selection.
- 5.7 Press **•F8"** to start the process.  
The data that was read out is written to the control unit.
- 5.8 The PIWIS Tester displays the message: **Data has been written**, press **•F12"** to continue.

**6 Re-code control unit for rear lid (tailgate):**

- 6.1 **Vehicle data must be updated before starting coding:**
  - 6.1.1 In the **'Control unit overview'**, call up the **Additional menu** by pressing **•F7"** .
  - 6.1.2 Select "Maintenance of vehicle data" and press **•F12"** to confirm your selection.
  - 6.1.3 Press **•F12"** again to move to the next option.
  - 6.1.4 Press **•F12"** a second time to move to the next option.
  - 6.1.5 Press **•F12"** a third time to move to the next option.
  - 6.1.6 Scroll down in the list until the option **"SL9 - Repair data record for tailgate"** is displayed.  
  
⇒ Highlight the option and **tick the 'Installed'** column. Press **•F12"** to confirm your selection.
  - 6.1.7 Coding value is displayed. Press **•F8"** to write values.
  - 6.1.8 Press **•F11"** to return to the 'Control unit overview'.
- 6.2 Select **"Automatic coding"** in the **'Codings/adaptations'** menu and press **•F12"** to confirm your selection.  
  
Coding is performed automatically. A progress bar appears.
- 6.3 Once coding is complete, end the process by pressing **•F12"** .

**⚠ CAUTION**

When you start the calibration/teaching process, the tailgate moves to its limit stops. Mechanical force limitation is not guaranteed during this process.

- Danger of pinching and squashing body parts.
  - Incorrect values for the control unit, resulting in malfunctions.
- ⇒ Take precautions to ensure that no body parts and objects can get caught in the tailgate.

7 **Re-teach (calibrate) rear lid (tailgate):**

- 7.1 Select the "**Calibration**" function in the '**Maintenance/repairs**' menu and press •F12" to confirm your selection.
- 7.2 Read the warnings and confirm by pressing •F12" .  
Start the calibration process by pressing •F8" .
- 7.3 Actuate the "Close tailgate" switch on the vehicle ⇒ the rear lid (tailgate) closes.
- 7.4 Actuate the "Open tailgate" switch on the vehicle ⇒ the rear lid (tailgate) opens.  
⇒ **An acoustic signal sounds if the calibration process is successful.**  
Otherwise, the rear lid must be closed and opened again.

- 8 Read out the fault memory and delete it if necessary.
- 9 Switch off ignition.
- 10 Switch off the PIWIS Tester and disconnect it from the vehicle.
- 11 Disconnect the charger from the vehicle.

**End** of action required.

## Invoicing

### Invoicing

The work involved is invoiced under the labour operation:

APOS	Labour operation	I No.
55682500	Programming control unit for rear lid	
55685500	Replacing control unit for rear lid	

For invoicing and documentation using PQIS, enter the following codes:

Location (FES5)	55870	Upper part of rear lid lock
Damage type (SA4)	1613	does not function at times

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