

## WH51 - Re-coding Gateway Control Unit (Workshop Campaign)

Model Line: **Panamera (971)**

Model Year: **2017**

Equipment: Sports exhaust system (I-no. OP8 or OP9)

Subject: **Gateway control unit**

Information: **Due to a software error, the sports exhaust system can remain activated after switching the ignition off and on again although it is shown as inactive in the Vehicle menu.**

Remedial action: Re-code gateway control unit

Affected Vehicles: Only the vehicles assigned to the campaign (see also PIWIS Vehicle information). This campaign affects 1,084 vehicles in North America.

### Required tools

#### NOTICE

**Use of a PIWIS Tester software version that is older than the prescribed version**

- Measure is ineffective

⇒ **Always use the prescribed version or a higher version of the PIWIS Tester software for control unit programming.**

- Tools:
- **9900 - PIWIS Tester 3** with PIWIS Tester software version **36.600.010** (or higher) installed
  - Battery Charger/Power Supply - Suitable for AGM Type batteries, recommended current rating of 90A fixed voltage 13.5V to 14.5V.

### Preparatory work

#### NOTICE

**Fault entry in the fault memory and/or control unit coding aborted due to low voltage.**

- **Increased current draw during diagnosis or control unit coding can cause a drop in voltage, which can result in one or more fault entries and the abnormal termination of the coding process.**

⇒ Before starting control unit coding, connect a suitable battery charger with a current rating of at least 90 A to the vehicle.

**NOTICE**

Coding will be aborted if the WLAN connection is unstable.

- An unstable WiFi connection can interrupt communication between the PIWIS Tester and the vehicle communication module (VCI). As a result, coding may be aborted.

⇒ During control unit coding, always connect the PIWIS Tester to the vehicle communication module (VCI) via the USB cable.

**NOTICE**

Control unit coding will be aborted if the driver's key is not recognised

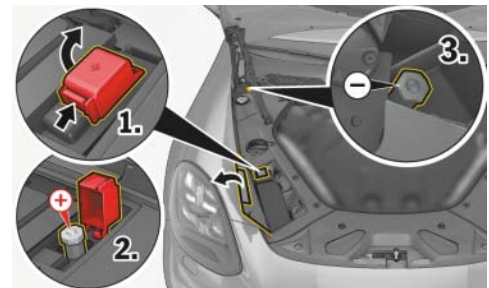
- If the driver's key is not recognised in the vehicle, coding cannot be started or will be interrupted.

⇒ Place the driver's key with the back facing down into the front left storage compartment in the centre console to guarantee a continuous radio link between the vehicle and the driver's key.

Work Procedure: 1 Connect a battery charger/power supply suitable for AGM Type batteries, recommended current rating of 90A fixed voltage 13.5V to 14.5V.

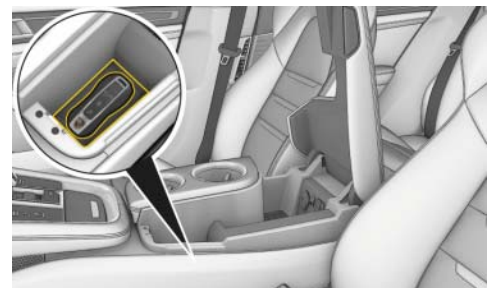
First connect the positive cable of the charger to the positive terminal ⇒ *Jump-start terminals -2-* and then connect the negative cable of the charger to the ground point for jump-lead starting ⇒ *Jump-start terminals -3-*.

Then switch on the battery charger and start trickle charging the battery.



*Jump-start terminals*

- 2 Place the driver's key with the back facing down into the front left storage compartment in the center console ⇒ *Driver's key in storage compartment*. This will guarantee an uninterrupted radio link between the vehicle and the driver's key.



*Driver's key in storage compartment*

- 3 **9900 - PIWIS Tester 3** must be connected to the vehicle communication module (VCI) via the **USB cable**. Then connect the communication module to the vehicle and switch on the PIWIS Tester.

- 4 Switch on the ignition.

- 5 On the PIWIS Tester start screen, call up the '**Diagnostics**' application.  
The vehicle type is then read out, the diagnostic application starts and the control unit selection screen is populated.

### Re-code gateway control unit

#### NOTICE

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- Measure is ineffective

⇒ **Always use the prescribed version or a higher version of the PIWIS Tester software for control unit coding.**



#### Information

The procedure described here is based on the PIWIS Tester software version **36.600.010**.

The PIWIS Tester instructions take precedence and in the event of a discrepancy, these are the instructions that must be followed.

A discrepancy may arise with later software versions for example.

#### Work Procedure:

#### *Control unit selection - Gateway*

- 1 Select the '**Gateway**' control unit in the control unit selection screen ('**Overview**' menu) and confirm your selection by pressing •F12" ('Next') .
- 2 When the question "Create Vehicle Analysis Log (VAL)?" appears, either press •F12" ('Yes') to create a VAL or press •F11" ('No') if you do not want to create a VAL.
- 3 Press •F12" ('Next') to acknowledge the message informing you that campaigns for the vehicle are stored in the PIWIS information system.
- 4 Once the gateway control unit has been found and is displayed in the overview, select the '**Coding/programming**' menu.

#### *Automatic coding*

- 5 Select the '**Automatic coding**' function and press •F12" ('Next') to start coding .
- 6 When coding is complete, the message "Coding has been completed successfully" is displayed and a tick appears in the 'Status' box.  
  
If coding is not completed successfully (error message "Coding was not completed successfully"), coding must be **repeated**.
- 7 When coding is completed successfully, continue by pressing •F12" ('Next') to return to the start page of the '**Codings/adaptations**' menu.

- 8 Select the '**Overview**' menu and press •F11" ('Back') to return to the control unit selection screen.

## Concluding work

- Work Procedure: 1 Switch off the ignition.
- 2 Disconnect the PIWIS Tester from the vehicle.
- 3 Switch off and disconnect the battery charger.
- 4 Enter the campaign in the Warranty and Maintenance booklet.

## Warranty processing



### Information

The specified working time was determined specifically for carrying out this campaign and may differ from the working times published in the Labor Operation List in PIWIS.

Scope:

#### Working time:

Re-coding gateway control unit

Labor time: **24 TU**

Includes: Connecting and disconnecting battery charger  
Connecting and disconnecting PIWIS Tester

⇒ **Damage Code WH51 066 000 1**

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