PORSCHE®

WRW1 - Re-Programming the External Communication Control Unit (OTA-FC) (Workshop/OTA 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 2024**
Model Line:	**Taycan (Y1A, Y1B, Y1C)**
Concerns:	**External communication control unit (OTA-FC)**
Cause:	**This software update of the external communication control unit (OTA-FC) improves the online diagnostic capability and optimizes the access to diagnostic data for the affected vehicles.** In order to enable utilization of the online diagnosis, consent to product improvements in the MyPorsche app is required by the respective customer (MyPorsche/Account/App settings/Privacy).
Action:	▪ Re-program the external communication control unit (OTA-FC) using the **latest** PIWIS Tester software release. ▪ Minimum requirement: Version **43.200.000**

ⓘ Information

Scope definition

Scope 1: Over-the-Air (OTA) software update **via PCM**.

▪ Please note that as a rule the OTA software updates should be installed by the driver (main user) via the Porsche Communication Management (PCM), provided that the software package for the campaign has been downloaded to the vehicle via OTA (**Scope 1**) and the update is then displayed in the PCM 'Updates' menu.

Scope 2: Re-program the external communication control unit (OTA-FC) **using the PIWIS Tester**.

▪ For vehicles on which the preconditions for performing an OTA software update are not met at the time of publication of the campaign (online software update in MyPorsche deactivated/Privacy Mode/guest user), no OTA update is displayed in the vehicle (PCM). These vehicles are therefore assigned to the **Scope 2** of this campaign and must be updated with the current PIWIS Tester test software for the corresponding control unit.

Scope 3: Re-program external communication control unit (OTA-FC) **using PIWIS Tester** - Online software update has not yet been displayed in the PCM or is updated during a workshop appointment (e.g. as part of an integration test).

- If the driver has not performed the OTA software update at the time of a workshop appointment (Scope 1), or the software update is not displayed in the PCM, the campaign can optionally be carried out via the PIWIS Tester. In this case, **Scope 3** must be invoiced.

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

Required tools

Tools:
- 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 90 A**
- **P90999 - PIWIS Tester 4** with test software version **43.200.000**

Re-programming the external communication control unit (OTA-FC)

Work Procedure: 1   The prerequisites and general procedure for control unit programming are described in the Workshop Manual ⇒ _Workshop Manual '9X00IN Basic Instructions and Procedure for Control Unit Programming Using the PIWIS Tester'._

2   After the backup documentation process, the integration test is started automatically. The result is initially to be **ignored**.

3   **Re-program the external communication control unit (OTA-FC).**

For specific information on control unit programming during this campaign, see the table below:

Required PIWIS Tester software release:	**43.200.000** (or higher)
Type of control unit programming:	Control unit programming using the **"Automatic programming" function** in the external communication control unit (OTA-FC).
Programming sequence:	Read and follow the **information and instructions on the PIWIS Tester** during the guided programming sequence. **Do not interrupt the programming and coding process.** A backup documentation process for the re-programmed software releases starts after programming and coding.
Programming time (approx.):	**20 minutes**

Software release programmed during this campaign:	**1815** Following control unit programming, the software release can be selected from the relevant control unit in the "Extended identifications" menu using the PIWIS Tester.
Procedure in the event of termination of control unit programming:	Repeat control unit programming by restarting programming.
Procedure if error messages appear during programming sequence:	⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - section on "Troubleshooting"'.*

4   Read out all fault memories, process existing faults if necessary and delete fault memory.

🛈 Information

If control units are found to have faults that are **not** caused by control unit programming, these must first be **found and corrected**. This work **cannot** be invoiced under the workshop campaign number.

5   Press ⌊F3⌋ to start the integration test in the control unit selection.
All affected control units should now be successfully re-programmed or checked in the control unit and their status overview.

🛈 Information

If a deviation in the integration test is still indicated despite programming being carried out, this must be repeated. If the deviation persists, contact Technical Support.

6   Enter the campaign in the Warranty and Maintenance Logbook.

Warranty processing

Scope 1:   **Over-the-Air (OTA) software update via PCM**

- No invoicing possible.

Scope 2:   **Re-programming the external communication control unit (OTA-FC) using the PIWIS Tester**

- Vehicles without OTA activation.

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Labor time:

Re-programming the external communication control unit (OTA-FC)
Includes: Connecting and disconnecting battery charger
               Connecting and disconnecting PIWIS Tester
               Reading out and deleting fault memories

⇒ **Damage code WRW1 066 000 1**

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Labor time: **65 TU**

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Scope 3:   **Re-programming the external communication control unit (OTA-FC) using the PIWIS Tester**

- Vehicles with OTA activation
- Online software update has not yet been displayed in the PCM or has been updated during a workshop appointment (e.g. as part of an integration test).

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Labor time:

Re-programming the external communication control unit (OTA-FC)

⇒ **Damage Number WRW1 066 000 1**

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Labor time: **25 TU**

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