

WRE7 - Re-Programming Porsche Rear Seat Entertainment (Workshop Campaign)

Change
Overview:

Release	Date	Change
0	12/13/2024	▪ First publication
1	01/21/2025	▪ Update: PiUS part numbers

Model Year: **As of 2017 up to 2020**

Model Line: **Panamera (971)**

Concerns: **Porsche Rear Seat Entertainment (M-no. 9WY)**

Cause: **On the affected vehicles with Porsche Rear Seat Entertainment (M-no. 9WY), there is the possibility that there will be repeated sleep-wake cycles in a short sequence due to the GSM service.**

As a result, the maximum number of write cycles on the internal memory is exceeded and the Porsche Rear Seat Entertainment system can no longer be started.

Action: Re-program Porsche Rear Seat Entertainment display unit with an updated data record.

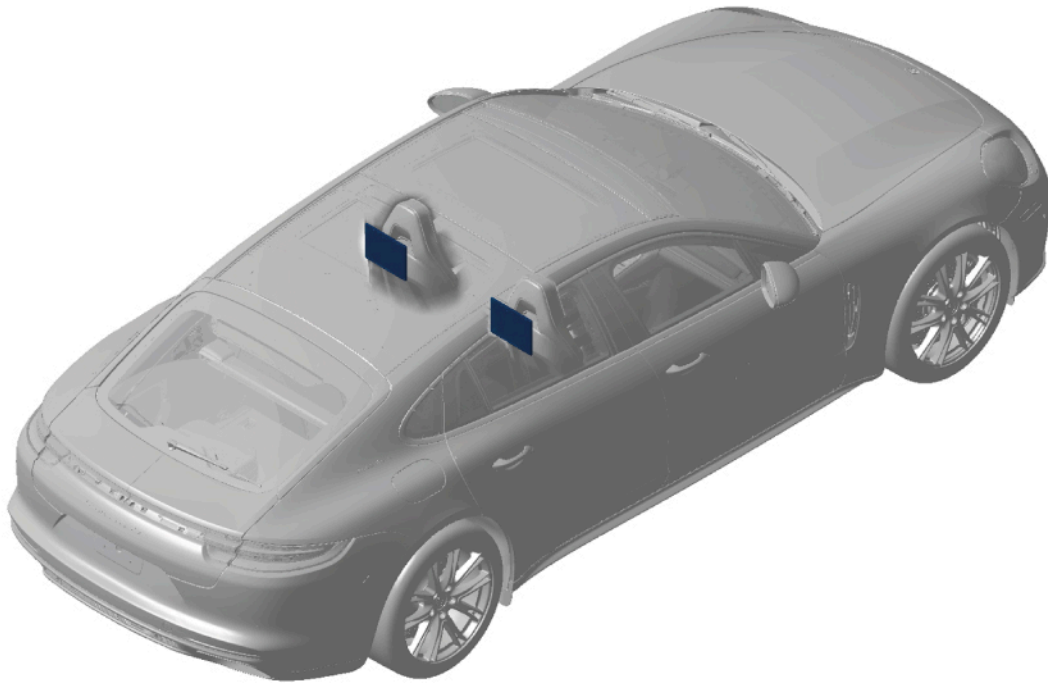


Information

The minimum programming requirement is the PIWIS Tester software release **42.800.072** (or higher)

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

Installation
Position:



Installation position of display unit

Required parts



Information

The buffer memory or PRSE is deleted using a USB memory stick. The corresponding Autorunner script must be **downloaded** via the **PiUS** (Porsche integrated Update Service) software tool and **uploaded** to a blank USB memory stick with a memory capacity of 32 GB.

Pay particular **attention** to the following:

- A blank USB memory stick with a memory capacity of 32 GB must be used for the software.
- The software available in PiUS must **only** be used with the corresponding technical information and instructions.
- The software listed may **only** be used for the action **described here**. Damage to the PCM control unit or the PRSE cannot be ruled out if the software is used on other vehicles.

* Every Porsche Center responsible for looking after a vehicle affected by the campaign is provided with **one** USB memory stick for programming.

Only **one** USB memory stick must therefore be ordered for every Porsche Center responsible for looking after a vehicle affected by the campaign. This USB memory stick then remains available as a **tool** in the relevant Porsche Center.

Parts Info:

Part No.	Designation – Location	Quantity
WRE7000001*	USB memory stick (32 GB)	1 piece

* During warranty processing in the warranty claim, the **part number WRE70000001** with the designation "USB memory stick (32 GB)" can be invoiced **once per Porsche Center in question as an additional part**.
Maximum amount \$11.17

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**

Re-programming Porsche Rear Seat Entertainment

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
- ⇒ Prior to disconnecting the control unit, switch off ignition and remove ignition key.
- ⇒ Ensure that the power supply is not interrupted during programming.
- ⇒ Connect a battery charger with a current rating of at least 90 A to the vehicle battery.

NOTICE**"Factory Data Reset"**

- All data on the device is deleted.
 - Pre-installed data/settings are lost.
- ⇒ Do not perform "Factory Data Reset"!

**Information**

The programming is described on one side as an example. The programming process for the other side is identical.

**Information**

After updating the software, all connected devices (e.g. Porsche headphones, MP3 player) and the PCM, if necessary, must be re-connected to the PRSE system in order to check that they are working correctly. This involves first disconnecting and then re-connecting the Bluetooth connections.

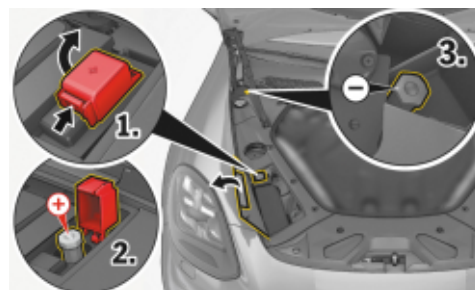
If there are not yet any **connected devices** in the vehicle, **inform** the customer that the Bluetooth devices must be **re-connected** after carrying out the campaign or provide any help and **support** the customer needs for connecting new Bluetooth devices.

Work
Procedure:

**Information**

Before programming the PRSE can be started, it must be connected to the vehicle's WiFi first.
Without an intact WiFi connection, programming cannot be executed.

- 1 Connect a battery charger to the jump-start terminals in the engine compartment and switch it on ⇒ *Connect battery charger to jump-start terminals.*
- 2 Connect PRSE to vehicle WiFi.
 - 2.1 Under **"Settings"**, select the **"Wireless & Networks"** function.
 - 2.2 Select **"More"**.
 - 2.3 Switch on **"Porsche Connect App"** and allow PRSE preconditions via PCM Connect App.



Connect battery charger to jump-start terminals

- 3 Prepare USB memory stick and plug it into the USB interface in the center console.
- 4 Activate "Red Menu" by simultaneously pressing **Center** + **Media** .
- 5 Select **"Software download"** and confirm.
- 6 Select **"USB"** under Source and confirm.
- 7 Select **"Standard"** under SDIS and confirm.
- 8 Scroll down under **"Select devices"**, select **"Start update"** and confirm.



Information

After the data has been copied to the USB memory stick, the PCM restarts again. Duration **approx. 8 minutes**.

- 9 After restarting the PCM in the "Red menu", scroll down and check whether the software data has been copied correctly.

Assessment		Action
(✓)	Under "TD_SDIS" , it says "[OK]" .	Software data has been copied correctly from the USB memory stick to the PCM. Select "Continue" and continue with Step 10 .
(x)	Under "TD_SDIS" it does not say "[OK]" .	Software data was not copied correctly to the PCM from the USB memory stick. Repeat Steps 4 to 9 and copy the software data to the PCM again.

- 10 Place the driver's key with the back facing down in the front left storage compartment inside the center console ⇒ *Place the driver's key in the storage compartment..*

- 11 Perform backup documentation.

**Information**

For programming to begin, the backup documentation must be initiated via the PIWIS Tester, but not performed.



Place the driver's key in the storage compartment.

- 11.1 Switch on the ignition.
 - 11.2 **P90999 - PIWIS tester 4** must be connected and switched on.
 - 11.3 Select "**PCM control unit**" and confirm.
 - 11.4 Cancel VAL and start backup documentation.
 - 11.5 After a short time, the "Cancel backup documentation" function is activated in the PCM. Then select "**Cancel backup documentation**". The PCM then restarts again and PCM returns to the normal user interface.
PCM is restarted.
 - 11.6 **P90999 - PIWIS Tester 4** must now be disconnected from the vehicle.
 - 11.7 Switch off the ignition.
- 12 Establish bus idle.

**Information**

The new PRSE software is now installed in the PCM, and the PCM initiates the PRSE software update after a check.

Programming the PRSE cannot be initiated actively. The PCM system automatically initiated this. One way to speed up the start of the software update is to establish the bus idle and then wake up the vehicle again.

- 13 Switch on ignition and check on the PRSE display unit whether the programming process starts automatically within **5 minutes**.

Assessment		Action
(✓)	Programming is performed.	Programming successfully initiated. Allow programming to run (duration approx. 20 minutes) and continue with Step 14.
(x)	Programming is not performed.	Programming not successfully initiated. Repeat Steps 12 to 13. After the second attempt: Continue with Step 15



Information

If programming is not successful: Repeat the work procedure **once**.

If programming is **not** initiated after repeated attempts, the vehicle can also be handed over to the customer **without** running the programming.

The system initiates programming automatically at the appropriate time.

Inform the customer that the programming has not yet been performed and the system will initiate it automatically at the appropriate time.

14 Check PRSE software.

14.1 Under "**Settings**", select the "**About the tablet**" function.

14.2 Check software release according to hardware part number.

Software part number (software release) "Old"	Software part number (software release) "New"	Hardware part number	PiUS part number
SW15.181 (0171)	SDI1R_15.182 (0177)	971.919.607.F	9Y2909000K
SW15.148 (0161)	SDIS1R_17.2 (0184)	971.919.607.E	9Y2909000J
SW9.62 (0143)	SDIS1R_SW9.63 (0144)	971.919.607.C	9Y2909000H

Assessment		Action
(✓)	The new software release matches the corresponding hardware part number.	Programming successful. Continue with Step 15
(✗)	The new software release does not match the corresponding hardware part number.	Programming not successful. After the second attempt: Message of not OK check via PRMS ticket to PAG_Campaign_TI_SY_Support and to clarify how to proceed.

15 Enter the campaign in the warranty and maintenance logbook.

Warranty processing



Information

The specified labor time was determined specifically for carrying out this campaign and includes all necessary preliminary and subsequent rework. The labor time may differ from the labor time published in the Labor Operation List in the PCSS.

Scope 1:

Re-programming Porsche Rear Seat Entertainment

Labor time:		
Re-programming Porsche Rear Seat Entertainment		Labor time: 101 TU
Parts required:		
WRE7000001*	USB memory stick (32 GB)	1 piece
* During warranty processing in the warranty claim, the part number WRE70000001 with the designation "USB memory stick (32 GB)" can be invoiced once per Porsche Center in question as an additional part. Maximum amount \$11.17		
⇒ Damage Number WRE7 066 000 1		

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