

## WLC5 Workshop campaign with customer letter - Updating software for various control units

Version 3

### **WLC5 Workshop campaign - Updating software for various control units**

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#### **Update 3/25/20**

Please be advised that additional VINs have been added to this campaign, and will show WLC5 in the campaigns section within PCSS. Additionally, an updated VIN list is attached to this post, as a reference.

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#### **Overview**

Software optimizations are available for various control units for the Taycan.

These software optimizations provide various improvements to the vehicle.

The software for the following control units must therefore be updated on the affected vehicles:\*

- Control unit for high-voltage charger (OBC)
- Control unit for rear air conditioning control
- Instrument cluster
- High-voltage battery control unit
- Control unit for high-voltage power electronics, front
- Control unit for high-voltage power electronics, rear
- Porsche Communication Management (PCM) control unit

Please arrange for this measure to be carried out on the affected vehicles the next time the vehicles come into the workshop.

\* You will find an overview of the new features that will be implemented with the software update in the enclosure to the Technical Information for this campaign.

<b>Model type</b>	Taycan (Y1A)
<b>Model year</b>	2020
<b>Manufacturing period</b>	between 11/15/2019 and 03/20/2020
<b>Number</b>	824

## Porsche Mobility

If requested, the mobility of the affected customer can be guaranteed by offering a suitable replacement vehicle.

Please invoice this additional service with the campaign scope via WWS.

## Detailed information about the software update

The software of the following control units will be updated during the software update.

<b>Control unit</b>	<b>Programming time</b>
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Control unit	Programming time
Combined software update of various control units	
Includes:	
<b>Programming and coding</b>	<b>approx. 120 minutes</b>
<ul style="list-style-type: none"> <li>▪ Over-the-air (OTA) control unit</li> <li>▪ Control unit for high-voltage power electronics, front and rear</li> <li>▪ Control unit for high-voltage charger (OBC)</li> <li>▪ High-voltage battery control unit (BMGe)</li> <li>▪ Control unit for chassis control (PASM)</li> <li>▪ Control unit for rear air conditioning control</li> <li>▪ Instrument cluster</li> </ul>	- Update via PIWIS Tester
<b>Coding only</b>	
<ul style="list-style-type: none"> <li>▪ Porsche Communication Management (PCM) control unit</li> <li>▪ Thermal management (TME)</li> <li>▪ Roll stabilisation (PDCC)</li> <li>▪ Brake electronics (PSM)</li> <li>▪ Headlights, left and right</li> <li>▪ Rear-end electronics (BCM2)</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Porsche Communication Management (PCM) control unit</li> </ul>	<b>approx. 30 minutes</b> - Update via USB storage medium

**Prerequisite for carrying out the campaign on vehicles that are also affected by campaign WLB3:**

Before carrying out this campaign, check whether other campaigns must be carried out on the relevant vehicles. On vehicles affected by campaign WLB3 as well as this campaign, always make sure that campaign WLB3 has already been carried out before carrying out this campaign, when possible. In urgent or escalated

cases, for example, if the required parts for campaign WLB3 are not yet or not sufficiently available, WLC5 can still be carried out.

For these cases please ensure the following points are observed:

- 1) Always connect the terminal clip of the negative cable vertically from above to the ground point for the external power connection.
- 2) Make sure that the negative cable of the terminal clip is laid without any tension to prevent the terminal clip from tilting sideways at the ground point.
- 3) When connecting the terminal clips, make sure that there is sufficient distance to peripheral parts (e.g. pneumatic supply line for air spring strut).
- 4) Before the vehicle is lifted with a lifting platform, always disconnect the external battery charger completely from the vehicle to avoid that the power supply wire of the terminal clip will get under tension and as a result may tilt sideways at the ground point.

## Required software

PIWIS Tester 3 test software version	39.200.031 (or higher)
<b>PCM update software*</b>	Available via PiUS
- North America/Mexico (I-no. ER3/ER4)	9J1919360A

## Required tools

Designation	Part No./Specification/Special instructions
Battery charger	Battery charger with a current rating of at least 90 A and - if required - also with a current and voltage-controlled charge map for lithium starter batteries.
PIWIS Tester 3	-
Blank USB storage medium Type A+C 32 GB (for PCM update)	V04014999WW000

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\* The PCM control unit software update is performed using a USB storage medium. The software version that is specific to each region must be downloaded using the software tool PiUS (Porsche integrated Update Service) and must be installed on a blank USB storage medium.

Pay particular attention to the following:

- For this PCM software update, the USB storage medium USB Type A+C 32 GB with the part number V04014999WW000 must be used.
- To use the software tool, one blank or re-writable USB storage medium is required for each individual software update.
- The software available in PiUS must only be used in accordance with the instructions provided in a Technical Information published for this purpose.

## Warranty processing

Please enter the campaign that was carried out in the Warranty and Maintenance booklet for the vehicle.

### Scope 1: Updating software for various control units

Damage code	WLC5 66 000
Repair code	1
Working time	114 TU

#### Information on the working time:

Generally, the working time includes all work that requires the active participation of the service technician. This also covers all required preliminary work and subsequent work.

The working time includes the following activities during control unit programming:

- All required steps for starting or finishing programming
- Required interaction during a programming sequence
- Waiting times until programming starts
- Random check of programming status

## Further information

Exported/imported vehicles	Carry out the campaign
Work instruction	TI No. 40/20, Group 9, Service, WLC5
Vehicle list and allocation	See PCSS or attached VIN list* for reference
Technical Information	See PCSS or attached PDF* for reference

\*Please bear in mind that this reference information is provided for your information only. The information provided in PCSS is the definitive version.

**For further information, please contact:**

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**Regulatory Affairs**

[WLC5 VIN List.xlsx](#)

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