

WMA5 Workshop Campaign - Updating software of various control units

Version 2

WMA5 Workshop Campaign - Updating software of various control units

Overview

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

The software update includes improvements for Porsche Communication Management (PCM), new intelligent charging functions and enhancements to the Porsche Connect functionality and more.

Please arrange for this measure to be carried out on the affected vehicles immediately. Customers will receive initial notification of this update availability on Monday 3/29/21 by email.

Model type	Taycan
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Model year	2020
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Number5,241

Customer notification

Customer notification email and letter are attached to this post for your reference only. Please note that PCNA will contact customers directly beginning 3/29 via Email notification to schedule an appointment for this update. When scheduling, please remember to request that customers bring along their **Porsche Mobile Charger Connect**, so that can be updated as well via parallel **Workshop Campaign WMA7**.

Additional steps to be carried out after the update

After carrying out campaign WMA5, please inform customers that **Infotainment updates** are available via their central computer (PCM) and provide them with any help and support they need during installation.

These **updates are only available** if the customer has logged into the vehicle using their **main user credentials (Porsche ID)**. Several updates are available depending on equipment and these must be installed one after the other in successive steps. Installation can take several minutes per update. New functions can only be used when all updates have been completed and the vehicle has established bus idle for at least 15 minutes.

When the instrument cluster and central computer are reprogrammed, the individual settings previously set by the customer may be lost and reset to the default values.

After carrying out the campaign, please inform customers that personal settings they have set in the instrument cluster and central display of the central computer will have to be set again and provide them with any help and support they need for setting the relevant options.

Example settings affected:

- Individual settings for tubes 1 to 3 of the instrument cluster as well as the extended map view or reduced view of the instrument cluster
- Individual settings of the head-up display (HUD)
- Selected functions of individual tubes in the instrument cluster, e.g. auto zoom, 3D map and satellite map
- Arrangement of tiles in the home screen and MyScreen on the central display
- Individual seat, exterior mirror and ergonomic settings
- Air conditioning settings (i.e. ventilation and air quality)
- Privacy settings
- Frequency setting of the garage door opener (Homelink)

Settings and Configuration Checklist - Dealer with Customer

Attached to this post you will find a step by step checklist that can be used after the update is performed with customers to reconfigure all necessary settings, and to activate all functionalities.

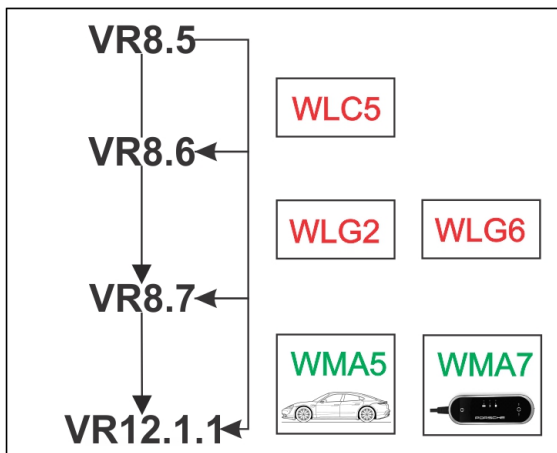
Settings and Configuration Checklist - Customer

If a customer prefers to reconfigure their settings outside of the dealer or on their own after the update is performed, there is an alternative reduced checklist that can be printed and provided to customers in order to more easily guide them through the process.

Detailed information about the software update

During this campaign, the software version VR12.1.1 will be installed on the affected vehicles. The prerequisite for this is that the previous software version VR8.7 is installed on the vehicle. In order to ensure that the software updates are installed in the correct order on all vehicles - regardless of whether or not software version VR8.7 is already installed - campaigns WLG2 and WLG6 for programming software version VR8.7 were completed with the introduction of this campaign WMA5 and the corresponding programming scopes were transferred to this campaign.

Depending on whether or not the previous software version VR8.7 must first be programmed on the relevant vehicle as a prerequisite for the subsequent programming of software version VR12.1.1, the vehicles were assigned to the required campaign scope. Before carrying out the campaign, the campaign scope assigned to the relevant vehicle must therefore be checked and carried out accordingly.



The total update duration is up to 9 hours and is divided into 4 sequences:

- Sequence 1: approx. 125 minutes
- Sequence 2: approx. 120 minutes
- Sequence 3: approx. 130 minutes
- Sequence 4: approx. 60 minutes

The following control units are reprogrammed and/or coded per sequence:

Sequence 1	Sequence 2	Sequence 3	Sequence 4
<ul style="list-style-type: none"> ▪ Distance measuring sensor control unit (ACC) ▪ Front-end electronics control unit 	<ul style="list-style-type: none"> ▪ Battery sensor for 12 V vehicle electrical system battery ▪ High-voltage charger (OBC) 11 kW 	<ul style="list-style-type: none"> ▪ Multifunction steering wheel ▪ Control unit for memory seat adjustment 	<ul style="list-style-type: none"> ▪ Central computer for Porsche Communication Management (PCM) ▪ Loudspeaker booster

Sequence 1	Sequence 2	Sequence 3	Sequence 4
(BCM1)	▪ High-voltage battery control unit (BMCE)	(driver's side)	▪ Front display and operator control unit
▪ Rear-end electronics control unit (BCM 2)	▪ High-voltage DC charger (booster)	▪ Additional instrument control unit (stopwatch)	
▪ Radar sensor for front corner radar	▪ HV voltage converter	▪ Door control unit, front and rear	
▪ Lane Change Assist control unit	▪ Control unit for chassis control (PASM)	▪ Control unit for exterior acoustics (eSound)	
left and right	▪ Power steering (EPS) control unit	Control unit for interior acoustics (iSound)	
▪ Central control unit for assistance systems (zFAS)	▪ Brake electronics (PSM) control unit	▪ Display and operator control unit in center console	
▪ Airbag control unit	▪ Control unit for steering column adjustment	rear	
▪ Reversing camera	▪ Control unit for rear axle steering	▪ Connect control unit	
▪ Interior surveillance sensor	▪ Rear lid control unit	▪ Brake booster control unit (eBKV)	
▪ Seat occupancy detection	▪ Air conditioning control unit	▪ Night vision system control unit	
▪ Weather sensor	▪ Rear-differential lock control unit	▪ Control unit for Tire Pressure Monitoring (TPM)	
▪ Control unit for garage door opener	▪ Thermal management control unit (TME)	▪ Control unit for memory seat adjustment (passenger's side)	
▪ Proximity sensor control unit	▪ Electric passenger compartment heater (PTC)	▪ Control unit for rear spoiler	
Tailgate	▪ Gateway control unit		
▪ Windscreen wiper motor	▪ Head-up display		
	▪ Instrument cluster		
	▪ Over-the-air (OTA) control unit		
	▪ Engine electronics (DME) control unit		
	▪ Power electronics, front and rear		
	▪ Transmission electronics control unit (EGS)		
	▪ Roll stabilisation control unit (PDCC)		

Sequence 1	Sequence 2	Sequence 3	Sequence 4
	▪ Headlights, left and right		

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
Blank USB storage medium, Type C (for onboard Driver's Manual update)	e.g. V04014999WW000

*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.

You will find further information on how to install and use the PiUS software tool in the PPN under [PiUS \(Porsche integrated Update Service\) goes live](#).

Overview of PiUS software versions – PCM update VR12.1.1

Part No.*	Designation – Region	Vehicle allocation
9J1919360D	PCM software update – North America	I-no. ER3/ER4

Blank USB storage medium for Driver's Manual update:

The current version of the onboard Driver's Manual has been available online since 5 March 2021. A blank USB storage medium is required for installing the onboard Driver's Manual (approx. 100 MB). If there is already data stored on the USB storage medium, this will be deleted during the procedure.

Parts required:

Part No.	Designation	Quantity/vehicle
WKD Y1A 00 21 21	Taycan (MY 21) Driver's Manual	1 ea.

Manuals will be available from launch to order directly by dealer, via rush order from the Easton PDC. At launch, please order only the necessary number of manuals for existing customer appointments in small quantity. An additional stock of Owner's Manuals will be available in early April for ordering.

From now on, only use the Driver's Manuals with the part number WKD Y1A 00 21 21 or newer for the vehicles assigned to the campaign. These reflect the new features available for vehicles updated with the 12.1.1 software update.

Required software

PIWIS Tester 3 test software version	40.000.045 (or higher)
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If other programming campaigns that affect the same control unit and involve the identical procedure are open for a vehicle in addition to this campaign, the affected control unit must only be programmed once using the current PIWIS Tester test software.

Please proceed as follows for the campaigns that have not been carried out:

- Mark the campaign as 'cannot be carried out' with the reason "Modification of the affected component" in PQIS. The "Warranty relevance" flag must be activated in order to be able to set a warranty claim and close the campaign.
- A warranty claim must be submitted for the campaign in which 0 TU is entered as the specified working time and no material items are specified.

Warranty processing**Validity:**

This workshop campaign will be carried out up to 3/18/2026 and will be closed by the specified date. Please note that warranty claims can only be processed before this date.

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
- Programming start up times
- Random check of programming status

No further interaction by the service technician is required once control unit programming has started because programming is performed automatically. Therefore, there is no need for the service technician to remain at the vehicle for the entire programming time.

Note: a time schedule supplement is available as an attachment to this post and the TI to better prepare technicians for the programming sequence timeline.

Scope 1: Updating various control units one after the other to software release VR8.6, VR8.7 and VR12.1.1

Damage code	WMA5 66 000
Repair code	1
Working time	515 TU

Scope 2: Updating various control units one after the other to software release VR8.7 and VR12.1.1

Damage code	WMA5 66 000
Repair code	1
Working time	490 TU

Scope 3: Updating various control units one after the other to software release VR12.1.1

Damage code	WMA5 66 000
Repair code	1
Working time	447 TU

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

Porsche Mobility

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

Please note: specifically for Taycan Software Updates WMA5 and WMA6, PCNA is pleased to extend to dealers an increased reimbursement of up to \$250 towards dealer cost for flatbed pickup and delivery to carry out these important software updates.

This increase from the Porsche At Your Service from \$100 is on a per RO basis and is only valid for campaigns WMA5 and WMA6.

Flatbed pickup and delivery service cannot be combined with a warranty service loaner reimbursement.

Please invoice these additional services with the campaign scope via WWS. Standard warranty policies apply.

Further information

Work instruction	TI No. 15/21, Group 9, Service, WMA5
Vehicle list and allocation	See PCSS or attached VIN list for reference
Technical Information	See PCSS or Aftersales Document Database for reference



Spare parts requirement

Please note that after the VR12.1.1 software update has been carried out, only parts that correspond to this approved vehicle combination may be used.

For replacement requirements of HV components, HV battery, traction motor VA /HA, 12-volt on-board power supply battery, please refer to the relevant technical information.

With the publication of the workshop campaign WMA6, relevant parts in the Electronic Parts Catalog (PET) will be adapted. For this reason, it is mandatory to order the required spare parts according to the control in the PET.

Settings and Configuration Checklist -

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