

Apple CarPlay® Interface

Revision: This bulletin replaces bulletin Group 9 10/20, dated May 5, 2020.

Information: **Retrofitting**



Figure 1

Model Year: **As of 2019 up to 2021**

Notes: After enabling the Apple CarPlay® interface in the vehicle, iPhone® apps can also be used in the Porsche Communication Management (PCM) of the vehicle.

The following requirements must be met in order to use this function:

- At least iPhone® 5 or a newer device with iOS® 7.1 or later software
- Availability of Apple CarPlay®

You will find information about the available regions at <https://support.apple.com>.

Part Info: **95B.044.900.07** ⇒ License key for Apple CarPlay®

Tools: **9900 - PIWIS Tester 3**

Coding: 1 Coding/Programming Apple CarPlay®

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

1.1 Preparatory work – Coding

NOTICE

Control unit programming will be aborted if the Internet connection is unstable.

- An unstable Internet connection can interrupt communication between PIWIS Tester III and the vehicle communication module (VCI). As a result, control unit programming may be aborted.
- ⇒ During control unit programming, always connect PIWIS Tester III to the vehicle communication module (VCI) via the USB cable.

1.1.1 **9900 - PIWIS Tester 3** must be connected to the vehicle and switched on.

1.1.2 Switch on ignition **AND** hazard warning lights on the vehicle.



Information

The **9900 - PIWIS Tester III** instructions take precedence since the description may be different with later Tester releases.

The procedure described here has been structured in general terms; different text or additions may appear on the **9900 - PIWIS Tester III**.

1.1.3 Select the "Diagnostics" menu item on the PIWIS Tester.

1.1.4 If **9900 - PIWIS Tester 3** is connected correctly, a connection to the vehicle will be established: "Macan" model line is detected.

1.1.5 Press **•F12** to go to the control unit search screen.

1.1.6 Confirm the question: "Create vehicle analysis log (VAL)?" with "Yes" = **•F12** .

1.2 Enabling Apple CarPlay®

1.2.1 Select the "Function enable" function. Press **•F12** to continue.

**Information**

PIWIS Tester must be connected to the Porsche Partner Network (PPN) via WLAN or data cable!

- 1.2.2 Enter PPN user name. Tap the password input field and enter the password. Select "Login".
- 1.2.3 Select the "Enable" function. Press •F12" to continue.
- 1.2.4 Touch the license number input field and enter the license number.
Press •F12" to continue.
- 1.2.5 Confirm the "Apple CarPlay®" function by pressing •F12" .
Wait until the message "Functions have been enabled successfully." appears.
- 1.2.6 Press •F12" to go to the "Overview" menu.
Select the "Display enabled functions" function. Press •F12" to continue.
Wait until a table containing the enabled functions appears, e.g.:

Control unit	Function	Status
PCM4 (001)	Apple CarPlay®	✓
	Voice control	✓
	Sport Chrono	✓
	Bluetooth	✓
	Navigation	✓
	UAS (universal audio interface)	✓

- 1.2.7 Press •F12" to continue.
Press •F11" to return to the "Overview" menu.
- 1.3 Adapt coding.
 - 1.3.1 Press •F11" to return to the list of control units.
Select all control units by pressing •Ctrl A" . Press •F12" to continue.
 - 1.3.2 Switch to the "Codings/adaptations" menu. Press •F12" to continue.
Select "Automatic coding" mode. Press •F12" to continue.
 - 1.3.3 Wait until the message "Coding has been completed successfully" appears. Press •F12" to continue.
Switch to the "Overview" menu.

2 Concluding work

- 2.1 Read out the fault memory of all systems, work through any existing faults, and erase the fault memory (⇒ *Workshop Manual '033500 Fault memory for on-board diagnosis'*).
- 2.2 Switch off the ignition and disconnect **9900 - PIWIS Tester 3**.
- 2.3 Disconnect battery charger. (⇒ *Workshop Manual '2X00IN Battery trickle charging'*).

91 93 23 40: –Apple CarPlay® interface enabled–

Labor time: **77 TU**

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