PORSCHE **Front and Rear** Dashcam 718 Cayman with XWN Pre-installation

ⓘ Information

Please pass all this information on to the customer.

Also give the customer a copy of the first pages of these Installation and Conversion Instructions, including the legal regulations.

Restrictions:	Approved for the following markets/countries :
	• USA (C02) and Canada (C36)
Model Year:	**As of 2023**
Cause:	**Retrofitting**

ⓘ Information

Figure 1

Note:	The Porsche front camera (dashcam) is affixed to the **LEFT** of the interior mirror (viewed in direction of travel) on the windshield and is connected to the vehicle electrical system.
	It is ideal for making video recordings of driving situations and while parking. It can be configured and operated using a related app on your smartphone.
	Recorded videos are stored on the supplied SD card and previous recordings are overwritten.

If the dashcam detects a shake/vibration or if the radar sensor is triggered, the recorded video is stored separately and not overwritten. Recordings can be downloaded directly from the SD card or via the app.

ℹ️ Information

Important information for customers/customer advisors

- Ask customers to download and install the "Porsche Dashcam App" from the App Store (Apple or Google Play) on their device (smartphone/tablet) in advance.

For vehicle handover:

- Together with the customer, check whether a firmware update via "Porsche Dashcam App" is necessary. Perform the firmware update together if necessary.

- Together with the customer, choose the "Region/State/Country" by selecting the relevant flag and format the SD card.

Other information for the customer:

- The customer is responsible for choosing the right "Region/State/Country"!

- After crossing a national border: Update the "Region/State/Country" (see also conditions of use for this topic)

Part Info: **9Y0.044.951**   ⇒ PORSCHE front and rear camera (dashcam), set

Always order at the same time:

Parts Info: **9Y0.044.955**   ⇒ Wiring harness for front 290 mm

                       9Y0.044.956.D   ⇒ Wiring harness for rear end 1,500 mm

                       N .017.131.16   ⇒ Blade-type fuse, 5 amp

Parts List:

Figure 2

———	1 x	3M privacy film (front & rear camera) ⟹ *Figure 2* **-1-**
9Y0.088.070	1 x	Front camera ⟹ *Figure 2* **-2-**
———	1 x	Micro SD memory card (32 GB, plugged into front camera) ⟹ *Figure 2* **-3-**
9Y0.088.071	1 x	Rear camera ⟹ *Figure 2* **-4-**
———	1 x	PORSCHE dashcam operating instructions ⟹ *Figure 2* **-5-**
———	6 x	Protective foam (∅ approx. 29 x 74) ⟹ *Figure 2* **-6-**
———	12 x	Tie-wrap, 145 x 3.6 x 1.1 ⟹ *Figure 2* **-7-**
9Y0.044.955	1 x	Wiring harness for front 290 mm ⟹ *Figure 2* **-8-not contained in set, separate order at same time**
9Y0.044.956.D	1 x	Wiring harness for rear end 1500 mm ⟹ *Figure 2* **-9-not included in set, separate order at same time**
———	1 x	5A blade-type fuse ⟹ *Figure 2* **-10-not included in set, order separately**

Repair Kits: **ONLY** when replacing the windshield:

9Y0.044.931	1 x	"Adhesive pad" repair kit, includes:
———	1 x	Adhesive pad on front camera retainer plate (grey)
———	1 x	Adhesive pad for rear camera (grey)
———	1 x	3M privacy film (front & rear camera) ⟹ *Figure 2* **-1-**

Repair kits: **ONLY** when replacing the rear window:

9Y0.044.931	1 x	"Adhesive pad" repair kit, includes:

— — —	1 x	Adhesive pad on front camera retainer plate (grey)
— — —	1 x	Adhesive pad for rear camera (grey)
— — —	1 x	3M privacy film (front & rear camera) ⇒ *Figure 2* **-1-**

Technical details:
- Video recording in Quad High Definition (QHD)
- Lens with polarization filter to reduce reflections and improve colors and contrasts
- Audio recording (can be deactivated)
- Global positioning system (GPS) - sensor
- Vibration sensor
- Radar sensor for video recording when an object is approaching the vehicle
- Bracket for the windshield for fixed mounting on the vehicle

Materials:		
— — —	1 x	Auxiliary line (Tekalan or Teflon hose) approx. 1,500 mm long
— — —	1 x	Wrapping/insulating tape (commercially available)
— — —	1 x	Cleaning cloth (commercially available)
— — —	1 x	Isopropanol (commercially available)

Tools: **9900 - PIWIS Tester 3/4**

Tablet, smartphone or PC with Internet access

Marking pencil/chalk

Flashlight

Plastic squeegee

Assembly: 1 Preliminary work

    1.1 Clean inside and outside of the windshield.

    1.2 Connect a battery charger. ⇒ *Workshop Manual 'Charge battery/vehicle electrical system'.*

    1.3 Expose front roof/(interior) rear-view mirror area

        1.3.1 Detach headliner in the rear-view mirror area. ⇒ *Workshop Manual 'Removing and installing roof trim panel'*

2 Install PORSCHE front camera (dashcam) in the vehicle

Overview of installation position and plug connection ⇒ *ROW/ NAR variant.*
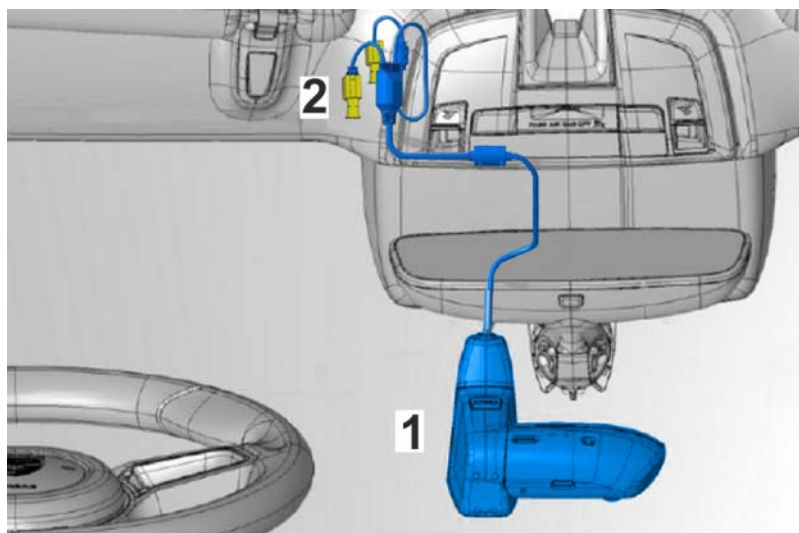
ROW/ NAR variant

1   – Installation position of dashcam
2   – Position of connection point

2.1   Position front camera (dashcam) to the **LEFT** of the interior mirror on the windshield in direction of travel

    2.1.1   Install retainer plate with wire harness on the base of the front camera until the locking mechanism engages (⇒ *Figure 4*).
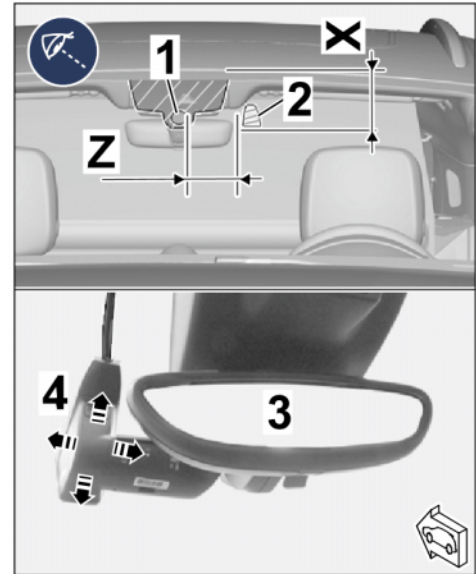
        1   – Retainer plate with wire harness
        2   – Front camera base
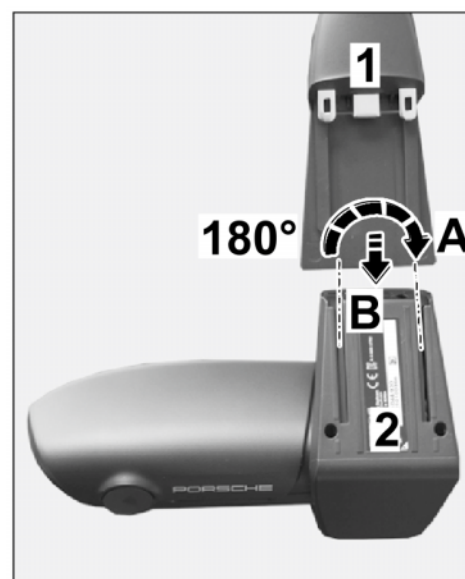
Figure 4

2.1.2   Trace the outline of the interior
mirror (⇒ *Illustration may be
different, check dimensions* **-1-**) on
the outside of the windshield using
a marking pencil/chalk.

1   – Outline of rain sensor
2   – Outline of front camera
base
3   – Interior mirror
4   – Front camera
X   – RoW/NAR: 231 mm/ 9.09
in
Z   – RoW/NAR: 26 mm/ 1.02
in

*Illustration may be different,
check dimensions*

2.1.3   Copy dimensions X and Z on
the windshield. **The following
dimensions affect the RoW/
NAR variants**

Dimension X = distance from lower edge of outline of front camera base to edge of
roof: **Length 231 mm**/ 9.09 in

Dimension Z = distance from inner edge of outline of front camera base to inner
edge of outline of rain sensor: **Length 26 mm** / 1.02 in

ℹ️ Information

Observe the following points during positioning/alignment:

- Sufficient distance between front camera and interior mirror base: at least 5
mm/ 0.2 in!

- Get another person standing in front of the vehicle to check and confirm the
horizontal alignment of the camera with the PORSCHE logo!

2.1.4   Position front camera with retainer plate in the vehicle at the marking on the wind-
shield.

2.1.5   Get another person to trace and shade in the outline of the retainer plate on the
outside of the windshield using a marking pencil/chalk.

2.1.6   Clean the inside of the windshield in the bonding area for the retainer plate (shaded
area) to remove any dust and grease.

2.2   Install front camera (dashcam) on the windshield

NOTICE

Adhesive films not prepared/installed correctly

• **Damage to adhesive films**

• **Inadequate adhesion of adhesive films**

⇒ **Carefully clean the areas on which you intend to stick the film to ensure that all traces of oil, grease and silicone are completely removed.**

⇒ **Do not touch the bonding surfaces.**

⇒ **Object (adhesive film, vehicle, etc.) and ambient temperature: Minimum temperature 15°C / 59°F.**

2.2.1   Pull 3M privacy film off the backing sheet (⇒ *Figure 6* -**A**-).

    1   – 3M privacy film
    2   – Marked bonding surface
    3   – Interior mirror base

2.2.2   Position 3M privacy film on the marked bonding surface on the windshield (⇒ *Figure 6* -**B**-)

2.2.3   Carefully affix 3M privacy film using a plastic squeegee, starting from the centre and moving towards the edge.
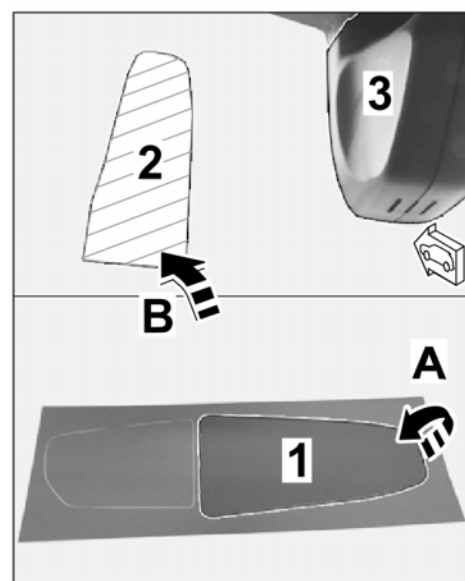
Figure 6

2.2.4 Pull protective film off the front camera retainer plate (⇒ *Figure 6* **-A-**).

1 – Protective film
2 – Front camera
3 – 3M privacy film
4 – Interior mirror

ⓘ Information

Observe the following points during positioning/alignment:

• Sufficient distance between front camera and interior mirror base: at least 5 mm/ 0.2 in!

• Get another person standing in front of the vehicle to check and confirm the horizontal alignment of the camera with the PORSCHE logo!
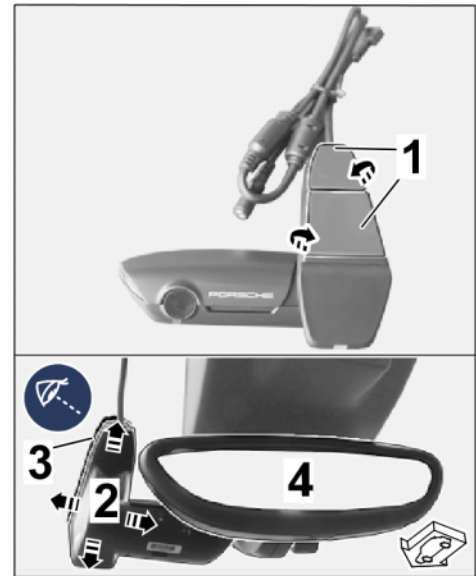
Illustration may be different, check dimensions

Align front camera with retainer plate symmetrically with respect to the 3M privacy film (⇒ *Illustration may be different, check dimensions* **-Bottom-**).

2.2.5 Press front camera with retainer plate firmly onto the 3M privacy film on the windshield.

2.3 Routing wire harness

2.3.1 On the connector side, push one protective foam roll onto the wire harness for the front camera retainer plate and the (3-wire) wire harness.

2.3.2 Make the plug connection (6-pin) under the roof lining.

2.3.3 Guide wire harness for front camera (dashcam) vertically with respect to the headliner/roof console.

2.3.4 Push protective foam roll over the (6-pin) plug connection.

Secure (6-pin) plug connection and connection for front camera wiring harness to existing components/lines under the headliner in the roof console area with tie-wraps. Protective foam roll must also be wrapped around the connection.

2.4　　Connect electric wire harness coming from DashCam to wiring harness preparation

Function/line:	Connection point for LHD vehicles
Power supply	Connecting wiring harness to connection point preparation
Left fuse box	Fuse row B F9 Fuse box left **5A fuse**

2.4.1　　Connect power supply accordingly.

2.4.2　　Protect the power supply to the front camera with a new fuse, slot B F9 with a **5A fuse**.

Fuse: **Setpoint value 5 A**

3　　**Step 3.1 only necessary for NAR variants, otherwise continue with 3.2**

3.1　　File down mirror cover using a round file. Manufacture a cable guide. ⇒ *File down the area around the line output* **-1-**

3.2　　Install roof trim panel. ⇒ *Workshop Manual 'Removing and installing roof trim panel'*

3.3　　Clean inside and outside of the windshield.

4　　Install rear dashcam.

File down the area around the line output

4.1　　Remove trim panel for luggage compartment lid ⇒ *Workshop Manual 'Removing and installing rear lid trim panel'*.

4.2　　Installation position and cable routing.
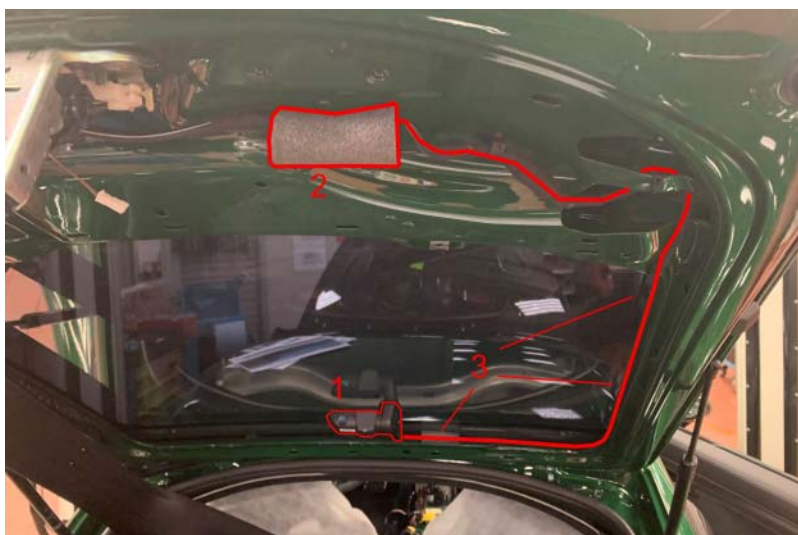
Installation position and line routing

1 – Installation position of dashcam
2 – Position of connection point, install foam part over the connection point
3 – Installation positions/installation position of foam parts

4.3 Dashcam positioning, dimensions based on the rear window edge.
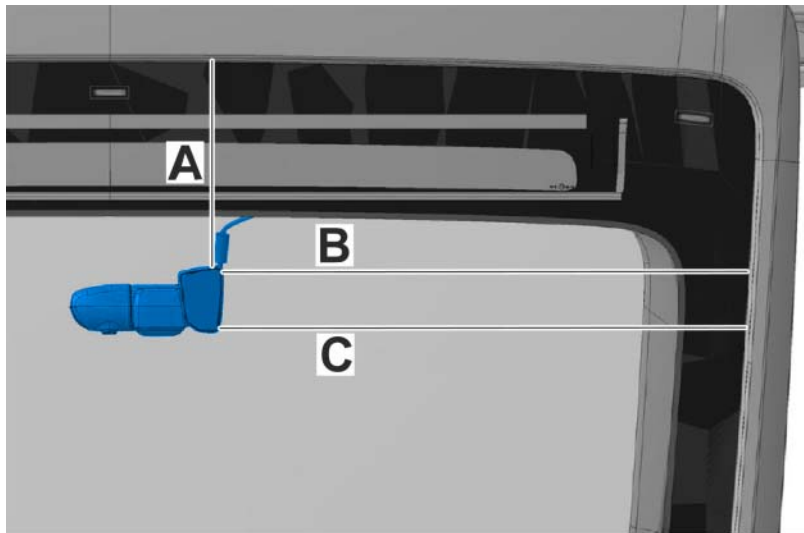
Dimensions for rear camera

A – 216 mm/ 8.5 in
B – 414 mm/ 16.30 in**at a right angle to rear window edge**
C – 413 mm/ 16.26 in**at a right angle to rear window edge**

4.4 Installing rear camera (dashcam) on rear window

NOTICE

Adhesive films not prepared/installed correctly

• **Damage to adhesive films**

• **Inadequate adhesion of adhesive films**

⇒ **Carefully clean the areas on which you intend to stick the film to ensure that all traces of oil, grease and silicone are completely removed.**

⇒ **Do not touch the bonding surfaces.**

⇒ **Object (adhesive film, vehicle, etc.) and ambient temperature: Minimum temperature 15°C / 59°F.**

4.4.1   Pull 3M privacy film off the backing sheet (⟹ *Bonding on backing sheet* **-A-**).

    1 – 3M privacy film
    2 – Marked bonding surface

4.4.2   Position the 3M privacy film on the marked bonding surface on the rear window (⟹ *Bonding on backing sheet* **-B-**) and stick it on.

4.4.3   Carefully affix 3M privacy film using a plastic squeegee, starting from the centre and moving towards the edge.

Bonding on backing sheet

4.4.4   Remove the protective film from the rear camera mounting plate.

Align rear camera with retainer plate symmetrically with respect to the 3M privacy film.

4.4.5   Press rear camera with retainer plate firmly onto the 3M privacy film on the rear window.
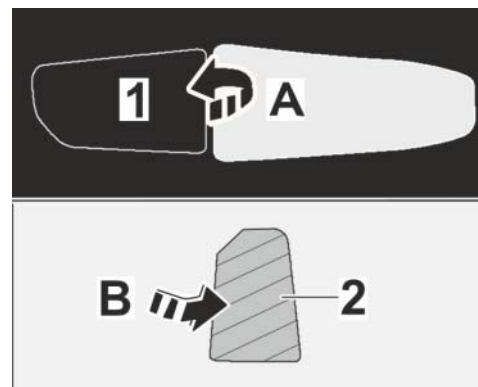
Coding: 5   Code the PORSCHE front camera (dashcam) in Dealer mode

    5.1   Preliminary work

        1 – PORSCHE front camera
        2 – Micro SD memory card (32 GB)
        3 – Retainer plate
        4 – Power button
        5 – WiFi status LED display
        6 – PRESS (release button)

    5.1.1   Remove micro SD memory card (32 GB, ⟹ *DashCam overview* **-2-**) from card slot for front camera.

DashCam overview

    5.1.2   With the ignition switched on, push the front camera (dashcam ⟹ *DashCam overview* **-1-**) into the retainer plate on the windshield (⟹ *DashCam overview* **-3-**)

    5.1.3   Press the power button (⟹ *DashCam overview* **-4-**) for 10 seconds until you hear the second double beeping sound.

    5.1.4   The front camera (dashcam) starts in Dealer mode: WiFi LED (⟹ *DashCam overview* **-5-**) lights up "yellow".
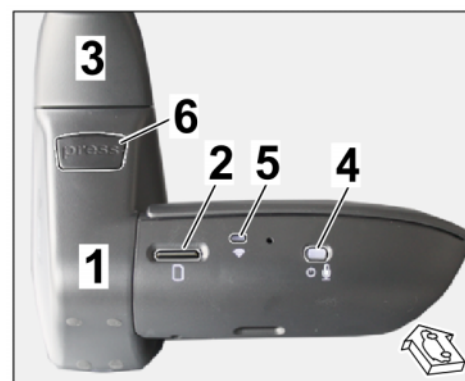
5.2   Connect the front camera (dashcam) to the device (tablet, smartphone or PC)

> ℹ️ **Information**
>
> The "Dealer mode" network ID name ends with a "D". A password is **NOT** required!
>
> The language setting can be changed by following the menu prompts after opening the first page.

5.2.1   Search available networks for Dealer mode WiFi.

5.2.2   Open Dealer mode on the device (tablet, smartphone or PC) using any browser.

To do this, enter "**192.168.1.1/diagnostics**" in the browser's address line.

5.2.3   Displays in "Dealer mode" main menu:

Options:

1 – Browser's address line
2 – "Options" menu item
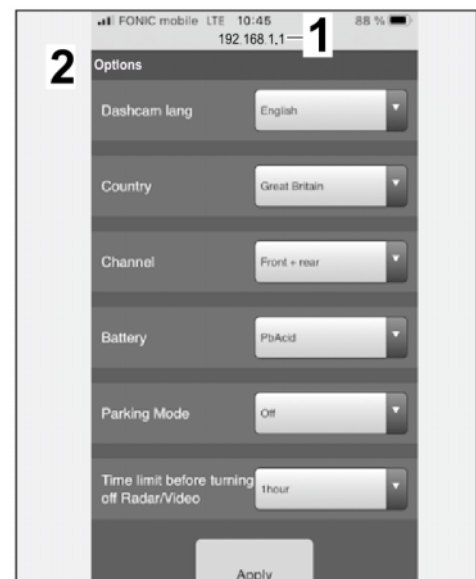
Figure 7

Diagnostics:

1   – Browser's address line
2   – "Diagnostics" menu item

5.3   Basic settings for front camera (dashcam) in the "Options" menu item
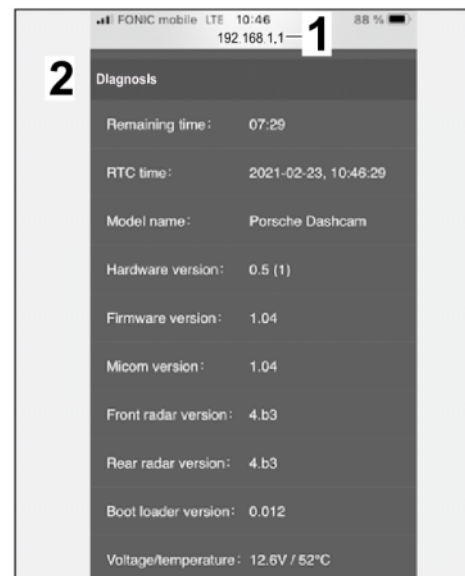
Figure 8

5.3.1   Change the default language "English" to the desired language:

1   – Default language "English"
2   – German

Example: German

•   Up to 19 different languages can be selected.
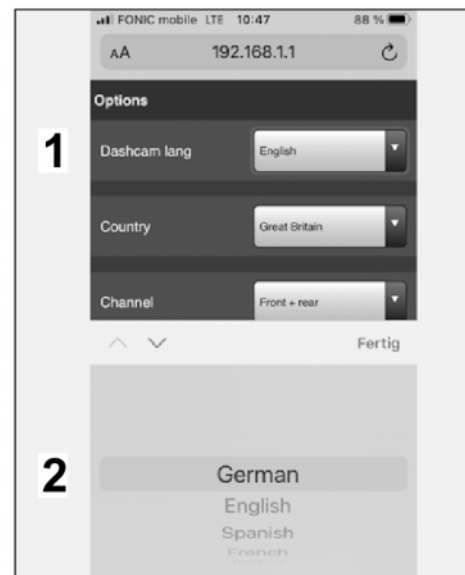
Figure 9

5.3.2　Select the country.

1　– Serial number of front
camera (dashcam)

2　– Country

3　– Great Britain

- Up to 48 countries are
currently available for
selection.

- The Country selection screen
includes, for example: Units
of measurement, frequencies
and also legal regulations of
the respective country.

- **718:** ⇒ Choose Region/State/Country by selecting the appropriate flag.

Figure 10

5.3.3　Select the required camera
channel.

1　– Channel

2　– Front + Rear

- **TEQUIPMENT:** ⇒ "Front +
rear" (front camera) is preset.
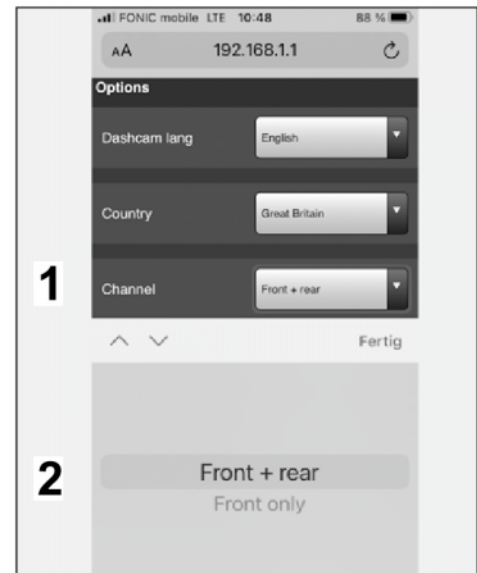
Figure 11

> ℹ️ **Information**
>
> Check which vehicle electrical system battery is installed in the vehicle if necessary by entering the vehicle identification number (VIN) in the Porsche Central Service System (PCSS).

Background: The front camera shuts down if the correct battery voltage (switch-off threshold) is not reached over a period of 5 minutes.

- Switch-off threshold for lead-acid battery (PbAcid) = 11 V

- Switch-off threshold for lithium-ion battery (LiFePO) = 13 V

5.3.4   Select the battery type

1   – Battery
2   – PbAcid

- Select the vehicle electrical system battery installed in the vehicle.
- **718:** ⇒ Lead-acid battery (PbAcid) or LiFePo, please check equipment
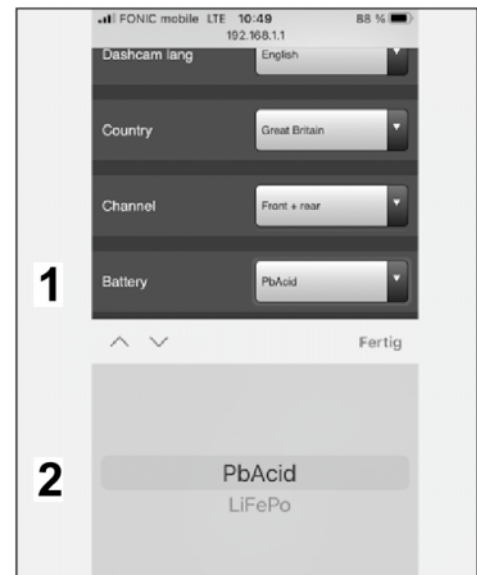
Figure 12

5.3.5 Select Park mode

1 – Park mode
2 – Off

- Depending on the approval for the respective vehicle.
- **718:** ⇒ "Off" if **one** 70 Ah battery I-no. 195 is installed, otherwise On.
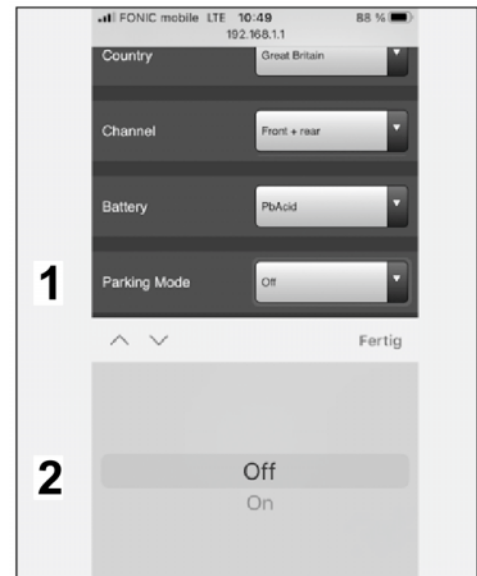
Figure 13

5.3.6 Select the time limit

1 – Time limit until radar/video is switched off
2 – 1 hour

- Turn off radar/video monitoring in Park mode (battery management). After the selected time limit, fast activation of the monitoring system ONLY occurs if the vehicle shakes/vibrates!
- **718:** ⇒ "Off" if **one** 70 Ah battery I-no. 195 is installed, otherwise On.
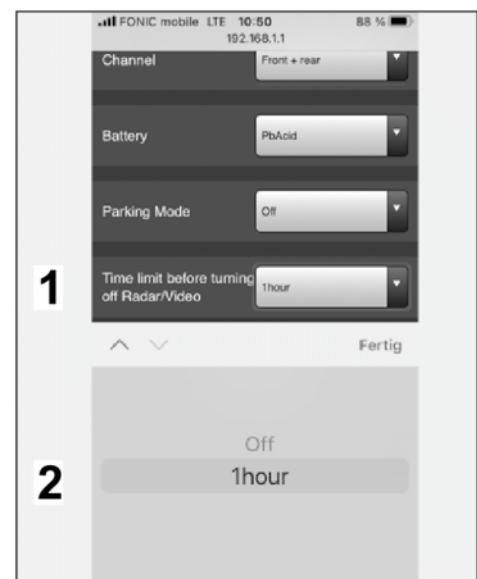
5.4 Cancel Dealer mode (WiFi LED is still yellow)

5.4.1 Close the browser and switch off ignition.

Figure 14

5.4.2 Pull the front camera (dashcam) off the retainer plate by pressing "PRESS" (release button).

5.4.3 Insert micro SD memory card (32 GB) in the front camera (dashcam).

5.4.4 Install the front camera (dashcam) in the retainer plate.

5.5   The settings configured under Step 5.3 are set when the ignition is switched on again.

5.6   Format the micro SD memory card (32 GB)

    5.6.1   Switch on ignition.

    5.6.2   Press the power button quickly 6 times in a row within 3 seconds.

        Announcements via front camera loudspeaker: "Formatting in progress." and "Formatting completed."

Diagnostics: 6   Perform diagnostics on front camera (dashcam) – **ONLY** if necessary!

Information can be displayed, function tests can be run and results can be stored in the "Diagnostics" menu item.

    6.1   Information about the model name, hardware and software version, radar and more.

        1   – Model name
        2   – Hardware version
        3   – Software version
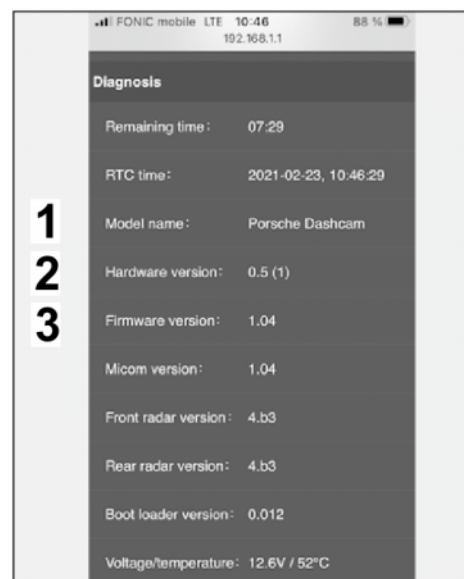
Figure 15

6.2 Display of live images from front camera, connection status, memory card status, GPS and radar status and more.

  1 – Front camera live image
  2 – Rear camera status (if installed)
  3 – Micro SD memory card contents
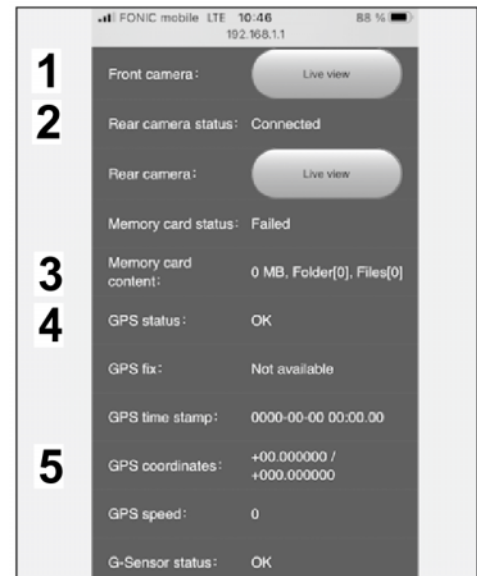 **4** – GPS status
  5 – GPS coordinates

Figure 16

6.3 Display of radar status, possible tests for LED lights, loudspeaker and microphone

  1 – Radar status
  2 – LED Lights test
  3 – Loudspeaker test
  4 – Microphone test

6.4 The fault report can be stored on the micro SD memory card (32 GB). To do this, use micro SD memory card in Dealer mode and select "Diagnostics" menu item in the front camera.
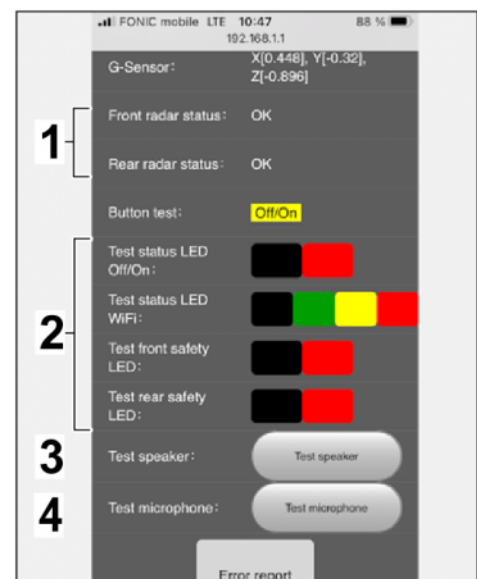
Installation: 7 Concluding work

7.1 Read out error memories of all systems, remedy any existing errors and erase the error memory. ⇒ *Workshop Manual '0X03IN Diagnostics maintenance: Diagnostic system and maintenance inter...'*

Figure 17

7.2   Disconnect the battery charger. $\Rightarrow$ *Workshop Manual '2X00IN Work instructions after disconnecting the battery'.*

7.3   Vehicle handover to customer

i **Information**

Please pass all this information on to the customer.

Also give the customer the PORSCHE dashcam operating instructions.

Also give the first 3 pages of these Installation and Conversion Instructions to the customer.

7.3.1   Download the app from the App Store to the customer's device (smartphone / tablet).

7.3.2   Select and set Region / State / Country (flag) in the app on the customer's smartphone / tablet.

7.3.3   Firmware update by the customer via the app.

7.3.4   Format micro SD memory card (32 GB).

91 63 23 40:   –PORSCHE front and rear cameras (dashcam) retrofitted–   Labor time: **263 TU**

Includes: Mounting plate for PORSCHE front and rear cameras (dashcam) installed on windshield and rear window;
Route and connect electric wiring harness,
Coding of PORSCHE front and rear cameras (dashcam) in dealer mode and formatting of micro SD memory card,
Read out error memory, remedy and erase errors.