

WNB4 - Replacing Interior Surveillance Sensor (Workshop Campaign)

Important: **CRITICAL WARNING** -This campaign includes steps where control unit(s) in the vehicle will be programmed with the PIWIS Tester. The vehicle voltage must be maintained between 13.5 volts and 14.5 volts during this programming. Failure to maintain this voltage could result in damaged control unit(s). Damage caused by inadequate voltage during programming is not a warrantable defect. The technician must verify the actual vehicle voltage in the PIWIS Tester before starting the campaign and also document the actual voltage on the repair order.

Model Year: **As of 2021**

Model Line: **Taycan (Y1A)**
Taycan Cross Turismo (Y1B)
Taycan Sport Turismo (Y1C)

Concerns: **Interior surveillance sensor**

Information: **There is a possibility that the main antenna (LTE reception) of the communication control unit on the affected vehicles can interfere with the function of the adjacent sensor for interior surveillance by means of electromagnetic signals in the area of the mirror base.**
 If this happens, the alarm system can be triggered unwarranted by the interior surveillance system.

Action required: Read out the hardware part number of the interior surveillance sensor and depending on the result of the check, either:

- Re-coding rear-end electronics control unit

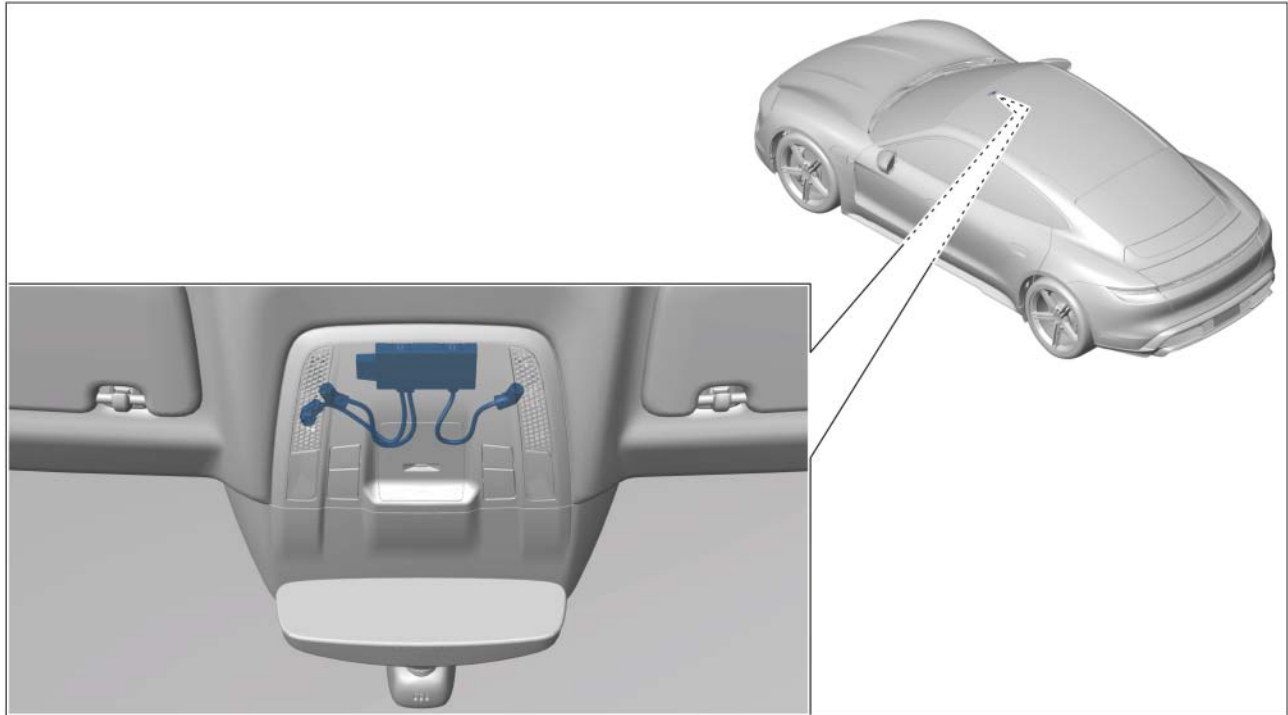
or

- Replacing interior surveillance sensor and re-coding rear-end electronics control unit

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

Installation

Position:



Interior surveillance sensor installation position

Required tools

- Tool:
- **9900 - PIWIS Tester 3** with PIWIS Tester software version **40.795.105** (or higher) installed
 - Battery charger with a current rating of **at least 90 A**, e.g. **VAS 5908 battery charger 90A**

Parts required

Parts Info:	Part No.	Designation	Number
	V04015001GS	⇒ Alarm system sensor	1 ea.

Checking hardware part number of interior surveillance sensor

- Work Procedure: 1 Connect a suitable battery charger, e.g. **battery charger 90A**, to the jump-start terminals in the front luggage compartment and switch it on.

- 2 **Position the driver's key** with the back facing forward upright between the holding struts in the rear drinks holder (**emergency start tray**) to guarantee a permanent radio link between the vehicle and remote control ⇒ *Emergency start tray*.
- 3 **9900 - Connect PIWIS Tester 3** to the vehicle communication interface module (VCI) via the **USB cable**, then connect the communication module to the vehicle and switch on the PIWIS Tester.
- 4 Establish readiness for operation (switch on ignition).
- 5 On the PIWIS Tester start screen, call up the **'Diagnostics'** application.
The vehicle type is then read out, the diagnostic application is started and the control unit selection screen is populated.
- 6 Select the control unit for **Rear-end electronics** in the overview.
- 7 Select the **'Incremented identification'** menu and read out the hardware part number of the interior surveillance sensor. ⇒ *Reading out control unit*



Emergency start tray

Extended identifications:
Change and save identifications with [F5]

Overview	Extended identifications	Fault memory	Actual values input signals	Drive data checks	Maintenance repairs	Coding programming
Control unit	Identification	Value	Unit	Changed		
Alarm system sensors (in roof console)	Alarm system sensors - software version	0316				
	Alarm system sensors - hardware part number	5Q0951172				
	Alarm system sensors - hardware version	005				
	Alarm system sensors - serial number	00000002Y192100F08				
	Alarm system sensors - Porsche part number	5Q0951172				
Tailgate proximity sensor control unit	Tailgate proximity sensor control unit - software version	0005				
	Tailgate proximity sensor control unit - hardware part number	3Q0952430				
	Tailgate proximity sensor control unit -	H17				

Reading out control unit

Assessment		Action
(✓)	The Porsche part number "Sensors for alarm system (in roof console)" is 5Q0.951.172.A/software version 0403 .	Re-code interior surveillance sensor via the rear-end electronics control unit. For instructions, see: ⇒ <i>Workshop Manual '968555 Replacing interior surveillance sensor'</i>
(✗)	The Porsche part number "Sensors for alarm system (in roof console)" is 5Q0.951.172 /software version 0316 .	Replace interior surveillance sensor and re-code it via the rear-end electronics control unit. For instructions, see: ⇒ <i>Technical Information '968555 Replace Interior surveillance sensor'</i>

Replace Interior surveillance sensor

- Work Procedure: 1 Replace Interior surveillance sensor.
For instructions, see: ⇒ *Workshop Manual '968519 Removing and installing interior surveillance sensor'*
- 2 Re-code interior surveillance sensor via the rear-end electronics control unit.
For instructions, see: ⇒ *Workshop Manual '968555 Replace Interior surveillance sensor'*
- 3 Enter the campaign in the Guarantee and Maintenance booklet.

Warranty processing



Information

The specified working times were determined specifically for carrying out this campaign and include all necessary preliminary and subsequent work.

The working time may differ from the working time published in the Labor Operation List in the PCSS.

Scope 1:

Checking interior surveillance sensor and coding rear-end electronics control unit

Labor time:

Checking interior surveillance sensor and coding rear-end electronics control unit

Labor time: **36 TU**

Includes:

- Connecting and disconnecting battery charger
- Connecting and disconnecting PIWIS Tester
- Checking hardware part number of interior surveillance sensor
- Re-coding rear-end electronics control unit

⇒ **Damage code WNB4 066 000 1**

Scope 2: **Checking and replacing interior surveillance sensor and coding rear-end electronics control unit**

Labor time:

Checking and replacing interior surveillance sensor and coding rear-end electronics control unit Labor time: **56 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting PIWIS Tester
Checking hardware part number of interior surveillance sensor
Replace Interior surveillance sensor
Re-coding rear-end electronics control unit

Parts required:

V04015001GS Alarm system sensor 1 ea.

⇒ **WNB4 066 000 2**

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