

Tire Type 21" All-Season Not Available in Instrument Cluster: Code the Instrument Cluster (202/21)

Model Line: **Macan (95B)**

Model Year: **As of 2022**

Concerns: **Instrument cluster**

Information: The selection of 21" all-season tires installed ex-works cannot be selected in the instrument cluster. Initially, however, the tire was actively selected ex-works. After selecting another type of tires available in the instrument cluster, the 21" all-season tires are no longer available and can no longer be selected.

Action required: In the event of a complaint, re-code the instrument cluster control unit using the PIWIS Tester with software version **40.700.020** (or higher) installed.

Required tools

- Tool:
- **9900 - PIWIS Tester 3** with PIWIS Tester software version **40.700.020** (or higher) installed
 - **Battery charger** with a current rating of **at least 90 A**, e.g. **VAS 5908 battery charger 90A**.

For further information about the battery chargers to be used, see the corresponding Workshop Manual.
 ⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

Preparatory work

NOTICE

Fault entry in the fault memory and/or control unit coding aborted due to low voltage.

- **Increased power consumption during diagnosis can cause a drop in voltage, which can result in one or more fault entries and abortion of the diagnostic process.**
- ⇒ **Before starting control unit diagnosis, connect a suitable battery charger with a current rating of at least 90 A to the vehicle.**

NOTICE

Control unit coding will be aborted if the WiFi connection is unstable.

- **An unstable Wi-Fi connection can interrupt communication between PIWIS Tester II and the vehicle communication module (VCI). As a result, control unit coding may be aborted.**
- ⇒ **During control unit diagnosis, always connect the PIWIS Tester to the vehicle communication module (VCI) via the USB cable.**

- Work Procedure: 1 Connect and activate battery charger with a current rating of **at least 90 A**, e.g. **battery charger 90A**, to the jump-start terminals in the engine compartment and switch it on.
- 2 Switch on the ignition using the **original vehicle key**.
On vehicles with "Porsche Entry & Drive", do this by replacing the control unit in the ignition lock with the original driver's key if necessary.
- 3 **9900 - Connect PIWIS Tester 3** to the vehicle communication module (VCI) via the **USB cable**. Then connect the communication module to the vehicle and switch on the PIWIS Tester.
- 4 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.

Re-code the instrument cluster

NOTICE

Use of a PIWIS Tester software version that is older than the prescribed version.

- Measure is ineffective
- ⇒ **Always use the specified version or a higher version of the PIWIS Tester software for control unit coding.**



Information

The procedure described here is based on the PIWIS Tester 3 software version **40.700.020**. The PIWIS Tester instructions take precedence and in the event of a discrepancy, these are the instructions that must be followed. Deviations may occur with later software versions, for example.

- Work Procedure: 1 Re-code instrument cluster automatically.

| | |
|----------------------------------|--|
| Required PIWIS software version: | 40.700.020 (or higher) |
| Type of control unit coding: | Control unit coding using the 'Automatic coding' function for the control unit: 'Instrument cluster' control unit – 'Coding/programming' menu – 'Automatic coding' function. |

| | |
|---|--|
| Coding sequence: | <p>Read and follow the information and instructions on the PIWIS Tester during the guided procedure.</p> <p>Do not interrupt coding.</p> <p>When coding is complete, the message "Coding has been completed successfully" is displayed and a tick appears in the 'Status' box.</p> |
| Procedure if control unit coding is not successful : | Repeat control unit coding. |

Concluding work

- Work Procedure: 1 Switch off ignition.
- 2 **9900 - PIWIS Tester 3** must now be disconnected from the vehicle.
- 3 Disconnect the battery charger.
- 4 On vehicles with "Porsche Entry & Drive", replace the original driver's key in the ignition lock with the control unit again.

Invoicing

Invoicing: For documentation and billing in the event of a guarantee, state the work items required depending on the scope of work required and the specified PCSS encryption in the guarantee application:

| APOS | Labor operation | I No. |
|----------|----------------------------|-------|
| 90252502 | Program instrument cluster | |

PCSS encryption:

| | | |
|-------------------|-------|--------------------|
| Location (FES5) | 90250 | Instrument cluster |
| Damage type (SA4) | 1134 | Programming error |

References: ⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

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