

WMD2 - Teach Tire Pressure Monitoring (TPM) System Using the PIWIS Tester (Workshop Campaign)



Information

Carry out this campaign only **after a wheel change** or if a **tire pressure monitoring fault is present** because this procedure will not work if the wheel has not been changed or if the corresponding fault is not present.

If the campaign is not carried out, **do not close the campaign using the recall update procedure**, as it will no longer be displayed as open at a later time (e.g. when the fault is actually present or after the wheel has been changed) and can no longer be billed.

To prevent warranty processing errors due to an open campaign, the warranty check for this campaign was deactivated.

A Certified Pre-Owned Warranty can also still be issued in this case if the campaign is not closed.

Revision: This bulletin replaces bulletin Group 4 62/21 WMD2, dated June 16, 2021.

Model Year: **2021**

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 Line: **718 Cayman (982) / 718 Boxster (982)
Cayenne (9YA / 9YB)
911 Carrera (992)
Panamera (971)
Taycan (Y1A / Y1B)
Macan (95B)**

Concerns: **Tire Pressure Monitoring (TPM) system**

Equipment: Tire Pressure Monitoring 433 MHz (M-no. 7K3 or 482)

Information: **There is a possibility that the wheel rotation direction will not be detected on the affected vehicles due to an incorrectly calibrated signal from the wheel electronics for the Tire Pressure Monitoring (TPM) system.**

In this case, the wheel position is not recognized by the control unit for the Tire Pressure Monitoring system and the message "Fault monitoring tire pressure - Service necessary" is displayed in the instrument cluster.

This can particularly occur after a wheel change or after selecting wheels manually using the instrument cluster.



Information

The following fault memory entries may be present in the fault memory of the control unit for the Tire Pressure Monitoring system in this regard:

- 800406 — Teaching phase, error assigning wheel electronics (direction of rotation not detected) ⇒ **Macan (95B)**
- C102DF3 — Tire pressure warning, pressure difference on rear axle ⇒ **718 Cayman (982)/718 Boxster (982)/Cayenne (9YA/9YB)/911 Carrera (992)/Panamera (971)/Taycan (Y1A/Y1B)**

Action required: As an interim solution until new components are available, teach the wheel electronics systems using the PIWIS Tester.



Information

Please note that different working times were determined for carrying out the campaign on the affected vehicles.

Every vehicle is therefore assigned exactly one campaign scope.

- **Scope 1:** Teaching wheel electronics systems using the PIWIS Tester ⇒ **718 Cayman (982)/718 Boxster (982)**
- **Scope 2:** Teaching wheel electronics systems using the PIWIS Tester ⇒ **911 Carrera (992)**
- **Scope 3:** Teaching wheel electronics systems using the PIWIS Tester ⇒ **Taycan (Y1A/Y1B)**
- **Scope 4:** Teaching wheel electronics systems using the PIWIS Tester ⇒ **Cayenne (9YA/9YB)/Panamera (971)/Macan (95B)**



Information

Please note that manual tire selection using the instrument cluster can cause the error described to occur again. Pass this information on to the customer as well.

If the WMD2 campaign has already been carried out and the error occurs again (i.e. if the customer changes a wheel again), TI-No. 226/20 can be invoiced under new vehicle warranty.

Affected vehicles:

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

Teach the wheel electronics

Work Teach Tire Pressure Monitoring (TPM) system using the PIWIS Tester.
 Procedure: For instructions, see:
 ⇒ *Workshop Manual '443225 Teaching wheel electronics'*



Information

Make sure that the **'Wheel IDs unknown'** procedure is selected in the menu-guided procedure.

Teach the wheel electronics

Work Teach the Tire Pressure Monitoring (TPM) system using the PIWIS Tester.
 Procedure: For procedure, see:
 ⇒ *Workshop Manual '443225 Teaching wheel electronics'*



Information

Make sure that in the **'Teach wheel IDs'** menu item, the function **'Teach 2nd wheel IDs without driving'** is selected in the menu-guided procedure following confirmation with **•F12"** .
 Then select the function **'2nd wheel IDs unknown'** and continue the menu-guided procedure.

Teach the wheel electronics

Work Teach the Tire Pressure Monitoring (TPM) system.
 Procedure: For procedure, see:
 ⇒ *Workshop Manual '443455 Replacing TPM control unit'*

Warranty processing

Scope 1: **Teaching wheel electronics using the PIWIS Tester**
 • Valid for **718 Cayman (982) / 718 Boxster (982)**

Working time:

Teaching wheel electronics with the PIWIS Tester	Labor time: 67 TU
Includes: Connecting and disconnecting battery charger	
Connecting and disconnecting the PIWIS Tester	
Changing tire inflation pressure	

⇒ **Damage Code WMD2 066 000 1**

Warranty processing

Scope 1: Valid for 718 Cayman (982) / 718 Boxster (982). See relevant Technical Information for these vehicle types

Scope 2: **Teaching wheel electronics using the PIWIS Tester**

- Valid for **911 Carrera (992)**

Working time:

Teaching wheel electronics with the PIWIS Tester

Labor time: **64 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting the PIWIS Tester
Changing tire inflation pressure

⇒ **Damage Code WMD2 066 000 1**

Warranty processing

Scope 1-2: Valid for 718 Cayman (982)/718 Boxster (982) or 911 Carrera (992). See relevant Technical Information for these vehicle types

Scope 3: **Teaching wheel electronics using the PIWIS Tester**

- Valid for **Taycan (Y1A/Y1B)**

Working time:

Teaching wheel electronics with the PIWIS Tester

Labor time: **72 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting the PIWIS Tester
Changing tire inflation pressure

⇒ **Damage Code WMD2 066 000 1**

Warranty processing

Scope 1-3: Valid for 718 Cayman (982)/718 Boxster (982), 911 Carrera (992) or Taycan (Y1A/Y1B). See relevant Technical Information for these vehicle types

Scope 4: **Teaching wheel electronics using the PIWIS Tester**

- Valid for **Cayenne (9YA/9YB)/Panamera (971)/Macan (95B)**

Working time:

Teaching wheel electronics with the PIWIS Tester

Labor time: **64 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting the PIWIS Tester
Changing tire inflation pressure

⇒ **Damage Code WMD2 066 000 1**

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