

WMM7 - Replacing VTS Control Unit (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 2014 up to 2021**

Model Line: **Panamera (970)**
Panamera (971)
911 (991)
Boxster/Cayman (982)
918
Cayenne (92A)
Macan (95B)

Concerns: **VTS control unit**

Information: **The VTS control unit used in the affected vehicles only supports the GSM/UMTS or 2G/3G mobile phone standard.**
 Due to the planned deactivation of these mobile phone standards in the North American region, the following Connect services together with the old VTS control unit will no longer be available as of Spring 2022:

- eCall System
- Breakdown Call
- VTS (Vehicle Tracking System)
- Connect app

Action required: Replace the VTS control unit with a VTS control unit that is compatible with the 4G mobile phone standard.

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

Required tools

- Tools:**
- **9900 - PIWIS Tester 3** with PIWIS Tester software version **40.650.030** (or higher) installed
 - Battery charger with a current rating of **at least 90 A**, e.g. **VAS 5908 Battery charger 90A**

Parts required - Panamera (970)

Parts Info:

Part No.	Designation	Qty.
V04015001FN	⇒ VTS control unit	1 ea.
WHT006947	⇒ Shear-off nut	2 ea.

Parts required - Panamera (971)

Parts Info:

Part No.	Designation	Qty.
V04015001FM	⇒ VTS control unit	1 ea.

Parts required - Boxster/Cayman (982)Parts Info: **Valid for Scope 3 (Production date up to 24/01/2017)**

Part No.	Designation	Qty.
V04015001FN	⇒ VTS control unit	1 ea.
PAF910207	⇒ Internal serration screw for steering wheel	1 ea.

Parts Info: **Valid for Scope 4 (Production date from 25/01/2017)**

Part No.	Designation	Qty.
V04015001FN	⇒ VTS control unit	1 ea.
N 90799102	⇒ Internal serration screw for steering wheel	1 ea.

Parts required - 918

Parts Info:

Part No.	Designation	Qty.
V04015001FN	⇒ VTS control unit	1 ea.
99907331209	⇒ Screw M10 x 30.6	2 ea.

90081700302	⇒ Lock nut, M10	2 ea.
PAF009057	⇒ Hexagon-head bolt	1 ea.

Parts required - Cayenne (92A)

Parts Info:

Part No.	Designation	Qty.
V04015001FN	⇒ VTS control unit	1 ea.
WHT006947	⇒ Shear-off nut	2 ea.

Parts required - Macan (95B)

Parts Info:

Part No.	Designation	Qty.
V04015001FN	⇒ VTS control unit	1 ea.
WHT006947	⇒ Shear-off nut	2 ea.

Parts required - 911 (991)

Parts Info:

Part No.	Designation	Qty.
V04015001FN	⇒ VTS control unit	1 ea.
N 90799102	⇒ Internal serration screw for steering wheel	1 ea.

Replacing VTS control unit - Panamera (970)

- Work Procedure: 1 Replace VTS control unit.
 For instructions, see: ⇒ *Workshop Manual 'Replacing PCC/PVTS control unit'*.
- 2 Enter the campaign in the Warranty and Maintenance booklet.

Replacing VTS control unit - Panamera (971)

- Work Procedure: 1 Replace VTS control unit.
 For instructions, see: ⇒ *Workshop Manual 'Replacing PCC/PVTS control unit'*.
- 2 Enter the campaign in the Warranty and Maintenance booklet.

Replacing VTS control unit - Boxster/ Cayman (982)

- Work Procedure: 1 Replace VTS control unit.
For instructions, see: ⇒ *Workshop Manual 'Replacing PCC/PVTS control unit'*.
- 2 Enter the campaign in the Warranty and Maintenance booklet.

Replacing VTS control unit - 918

- Work Procedure: 1 Replace VTS control unit.
For instructions, see: ⇒ *Workshop Manual 'Replacing control unit for auxiliary alarm system'*.
- 2 For instructions, see: ⇒ *Workshop Manual 'Activating PCC/PVTS'*
- 3 Enter the campaign in the Warranty and Maintenance booklet.

Replacing VTS control unit

- Work Procedure: 1 Replace VTS control unit.
For instructions, see: ⇒ *Workshop Manual 'Replacing PCC/PVTS control unit'*.
- 2 Enter the campaign in the Warranty and Maintenance booklet.

Replacing VTS control unit - Macan (95B)

- Work Procedure: 1 Replace VTS control unit.
For instructions, see: ⇒ *Workshop Manual 'Replacing PCC/PVTS control unit'*.
- 2 Enter the campaign in the Warranty and Maintenance booklet.

Replacing VTS control unit - 911 (991)

- Work Procedure: 1 Replace VTS control unit.
For instructions, see: ⇒ *Workshop Manual 'Replacing PCC/PVTS control unit'*.
- 2 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing

Scope 1: Replacing VTS control unit

- **Panamera (970)**

Working time:

Replacing VTS control unit Labor time: **239 TU**

Includes: Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester
 Removing and installing auxiliary alarm system control unit
 Re-programming auxiliary alarm system control unit
 Reading out and erasing fault memory
 Creating Vehicle Analysis Log

Parts required:

V04015001FN	VTS control unit	1 ea.
WHT006947	Shear-off nut	2 ea.

⇒ **Damage Code WMM7 066 000 1**

Scope 2: Replacing VTS control unit

- **Panamera (971)**

Working Time:

Replacing VTS control unit Labor time: **205 TU**

Includes: Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester
 Removing and installing lower part of center console
 Removing and installing auxiliary alarm system control unit
 Re-programming auxiliary alarm system control unit
 Reading out and erasing fault memory
 Creating Vehicle Analysis Log

Parts required:

V04015001FM	VTS control unit	1 ea.
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⇒ **Damage Code WMM7 066 000 1**

Scope 3: Replacing VTS control unit

- **Boxster/Cayman (982)**
- **Production date up to 24/01/2017**

Working Time:

Replacing VTS control unit

Labor time: **339 TU**

Includes: Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester
 Removing and installing dashboard
 Removing and installing auxiliary alarm system control unit
 Re-programming auxiliary alarm system control unit
 Reading out and erasing fault memory
 Creating Vehicle Analysis Log

Parts required:

V04015001FN	VTS control unit	1 ea.
PAF910207	Internal serration screw for steering wheel	1 ea.

⇒ **Damage Code WMM7 066 000 1**

Scope 4: Replacing VTS control unit

- **Boxster/Cayman (982)**
- **Production date from 25/01/2017**

Working Time:

Replacing VTS control unit

Labor time: **339 TU**

Includes: Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester
 Removing and installing dashboard
 Removing and installing auxiliary alarm system control unit
 Re-programming auxiliary alarm system control unit
 Reading out and erasing fault memory
 Creating Vehicle Analysis Log

Parts required:

V04015001FN	VTS control unit	1 ea.
N 90799102	Internal serration screw for steering wheel	1 ea.

⇒ **Damage Code WMM7 066 000 1**

Scope 5: Replacing VTS control unit

- **918**

Working Time:

Replacing VTS control unit Labor time: **428 TU**

Includes: Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester
 Removing and installing passenger seat
 Loosening main fuse box
 Removing and installing auxiliary alarm system control unit
 Re-programming auxiliary alarm system control unit
 Reading out and erasing fault memory
 Creating Vehicle Analysis Log

Parts required:

V04015001FN	VTS control unit	1 ea.
99907331209	M10X30,6 screw	2 ea.
90081700302	Lock nut, M10	2 ea.
PAF009057	Hexagon-head bolt	1 ea.

⇒ **Damage Code WMM7 066 000 1**

Scope 6: Replacing VTS control unit

- **Cayenne (92A)**

Working time:

Replacing VTS control unit Labor time: **77 TU**

Includes: Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester
 Removing and installing auxiliary alarm system control unit
 Re-programming auxiliary alarm system control unit
 Reading out and erasing fault memory
 Creating Vehicle Analysis Log

Parts required:

V04015001FN	VTS control unit	1 ea.
WHT006947	Shear-off nut	2 ea.

⇒ **Damage Code WMM7 066 000 1**

Scope 7: Replacing VTS control unit

- **Macan (95B)**

Working time:

Replacing VTS control unit Labor time: **94 TU**

Includes: Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester
 Removing and installing auxiliary alarm system control unit
 Re-programming auxiliary alarm system control unit
 Reading out and erasing fault memory
 Creating Vehicle Analysis Log

Parts required:

V04015001FN	VTS control unit	1 ea.
WHT006947	Shear-off nut	2 ea.

⇒ Damage Code WMM7 066 000 1

Scope 8: Replacing VTS control unit

- **911 (991)**

Working time:

Replacing VTS control unit Labor time: **403 TU**

Includes: Connecting and disconnecting battery charger
 Connecting and disconnecting PIWIS Tester
 Removing and installing auxiliary alarm system control unit
 Re-programming auxiliary alarm system control unit
 Reading out and erasing fault memory
 Creating Vehicle Analysis Log

Parts required:

V04015001FN	VTS control unit	1 ea.
N 90799102	Internal serration screw for steering wheel	1 ea.

⇒ Damage Code WMM7 066 000 1

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