

WND8 - Re-Programming DME 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 2022**

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

Concerns: **DME control unit**

Information: **Due to a possible software error in the DME control unit, there is a possibility that the functionality of catalytic converter heating will be impaired when starting the engine on the affected vehicles.**

Action required: Re-program the DME control unit using the PIWIS Tester with software version **40.800.025** (or higher) installed.

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

Required tools

- Tool:
- **9900 - PIWIS Tester 3** with PIWIS Tester software version **40.800.025** (or higher) installed
 - Battery charger with a current rating of **at least 90 A**, e.g. **VAS 5908 battery charger 90A**

Re-programming DME control unit

Work procedure: 1 Re-program DME control unit.

The basic procedure for control unit programming is described in the Workshop Manual ⇒ *Workshop Manual 'Basic instructions and procedure for control unit programming'*.

For specific information on control unit programming during this campaign, see table below.

Required PIWIS Tester software version:	40.800.025 (or higher)
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Type of control unit programming:	Control unit programming using the ' Automatic programming ' function of the DME control unit: 'DME' control unit – ' Coding/programming ' menu – ' Automatic programming ' function.
Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. During the programming sequence, the DME control unit is re-programmed first, then the PDK control unit is re-programmed. Both control units are then automatically re-coded . Do not interrupt programming and coding. Once the control units have been programmed and coded, you will be prompted to switch the ignition off and then back on again after a certain waiting time. Backup documentation of the new software versions is then performed.
The programming sequence takes (approx.):	15 minutes
Software version programmed during this campaign:	See ⇒ <i>Technical Information 'Software overview'</i> section.
Procedure in the event of abnormal termination of control unit programming:	<ul style="list-style-type: none"> • Switch ignition off and then on again. • Read out and erase the fault memory ⇒ <i>Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - "Rework" section'</i>. • Repeat control unit programming by restarting programming.
Procedure in the event of other error messages appearing during the programming sequence:	⇒ <i>Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - section on "Troubleshooting"'</i> .

- 2 In the **overview** select the **DME** control unit.
- 3 Select **Maintenance/repairs**. Press •F12" to continue.
- 4 **Adaptations** must be selected. Press •F12" to continue.

All functions listed under Adaptations must be selected and adapted one by one.

- 5 Function selected. Press •F12“ to continue.
- 6 Adapt function. Press •F8“ to start.
 - 6.1 Perform adaptation according to menu guidance. End adaptation with •F8“ .
- 7 Select the next function. Perform adaptation (for instructions, see above).
- 8 Read out all **fault memories**, process and delete existing faults if necessary.
- 9 Exit the diagnostic application. Switch off ignition. Disconnect the Tester from the vehicle.
- 10 Switch off and disconnect the battery charger.
- 11 Enter the campaign in the Guarantee and Maintenance booklet.

Software overview

Macan:

Type	Model year	Exhaust gas variant	Software part number	Software version
Macan	2022	ULEV	95B906259BH	0001
Macan	2022	EU6W EU4/EU5	95B906259BG	0001
Macan	2022	EU6AP	95B906259AT	0001

Warranty processing

Scope 1: **Re-programming DME control unit**

Labor time:		
Re-programming DME control unit		Labor time: 48 TU
Includes:	<ul style="list-style-type: none"> Connecting and disconnecting battery charger Connecting and disconnecting PIWIS Tester Performing adaptations Reading out and erasing fault memories 	
⇒ Damage code WND8 066 000 1		

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