WNS7 - Re-Programming Control Unit for Air-Conditioning System (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 up to 2023**

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

Concerns: **Air-conditioning control unit**

Cause: **On the affected vehicles, due to a software error, it is possible that too low current limits are sporadically transmitted from the air-conditioning system control unit to the air conditioning fan, especially when using the permanent driving lights.**
If this is the case, the ventilation of the vehicle interior is impaired by the air conditioning fan.

Action required: Re-program the air-conditioning system control unit with the **latest** PIWIS Tester software version.
Minimum requirement: Version **41.400.020**

Required tools

Tool:
- **9900 - PIWIS Tester 3**
- Battery charger with a current rating of **at least 90 A**, e.g. **VAS 5908 battery charger 90 A**

Re-programming air-conditioning system control unit

1 The basic procedure for control unit programming is described in the Workshop Manual ⇒ *Workshop Manual 'Basic Instructions and Procedure for the Control Unit Programming Using the PIWIS Tester'*.

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

Required PIWIS Tester software version:	**41.400.020** (or higher)
Type of control unit programming:	Control unit programming using the **'Campaign' function in the additional menu** on the PIWIS Tester by entering a programming code.

Programming code:	**F6L8S**
Programming sequence:	Read and follow the **information and instructions on the PIWIS Tester** during the guided programming sequence. **Do not interrupt programming and coding.** A backup documentation process for the re-programmed software versions starts as soon as programming and coding is complete.
Programming time (approx.):	**4 minutes**
Software version programmed during this campaign:	• Air-conditioning control unit: **0760** Following control unit programming, the software version can be read out from the relevant control unit in the ⇒ 'Extended identifications' menu using the PIWIS Tester.
Procedure in the event of error messages appearing during the programming sequence:	⇒ *Workshop Manual 'Basic instructions and procedure for control unit programming using the PIWIS Tester'*.
Procedure in the event of abnormal **termination** of control unit programming:	Repeat control unit programming by restarting programming.

2 Teach and check servo motors for air-conditioning system, unless this is already done in the programming sequence.

3 Read out and delete the error memories of all control units.

4 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing

Information

The specified working times were determined specifically for carrying out this campaign and include all required preliminary and subsequent work.
The working times may differ from the working times published in the Labor Operation List in PIWIS.

Scope 1: **Re-programming air-conditioning system control unit**

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Labor time:

Re-programming air-conditioning system control unit — Labor time: **33 TU**

Includes: Connecting and disconnecting battery charger
Connecting and disconnecting PIWIS Tester
Teaching servomotor for air-conditioning system
Reading out and deleting fault memories

⇒ **Damage code WNS7 066 000 1**