

PORSCHE



Stop Delivery

Cayenne (9YA und 9YB), Panamera (971)

AKB8 Stop Delivery – Re-programming instrument cluster

Reason:

Software programming error

The subject vehicles do not meet the requirements of S5.5.3 of FMVSS No. 135 because the brake wear warning indicator is not continually illuminated in the subject vehicles in all instrument cluster display menu sub-levels.

The instrument cluster must be re-programmed with updated software, to ensure the required display of worn-out brake pads.

Remedial action:

Re-programming the instrument cluster with PIWIS Tester 3.

Required tools:

- Battery charger with a current rating of **at least 90 A** and a **current and voltage-controlled charge map** for lithium starter batteries, e.g. **VAS 5908 - Battery charger 90A**
- **9900 - PIWIS Tester 3** with PIWIS Tester test software version 38.750.025 (or higher) installed



Information

The new Cayenne is equipped as standard with a **lithium starter battery**, which must only be charged using suitable battery chargers.

For further information about the battery chargers to be used, see:

- ⇒ *Workshop Manual '2706IN General information on the 12-volt lithium-ion battery'*
- ⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

Preliminary work

1. Follow the safety instructions for control unit programming ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming'*
2. Connect a battery charger that is suitable for lithium starter batteries with a current rating of at least 90 A (e.g. **VAS 5908 - Battery charger 90A**) to the jump-start terminals in the engine compartment.
3. **Position the driver's key** in the rear area of the left cupholder in the centre console between the holding struts (emergency start tray) in order to guarantee a permanent radio link between the vehicle and driver's key
4. Switch on the ignition.
5. **9900 - PIWIS Tester 3** must be connected to the vehicle communication module (VCI) via the **cable**. Then connect the communication module to the vehicle and switch on the PIWIS Tester.
6. On the PIWIS Tester start screen, call up the '**Diagnostics**' application. The vehicle type is then read out, the diagnostic application starts and the control unit selection screen is populated.

Re-programming instrument cluster

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

The basic procedure for control unit programming is described in the Workshop Manual ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester'*.

Required PIWIS Tester software version:	38.750.025 (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:	Cayenne (9YA and 9YB): Y5L2W Panamera (971): H9W3B
Programming sequence:	Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence. The instrument cluster is re-programmed and then recoded automatically during the programming sequence. Do not interrupt programming and coding.

Re-programming instrument cluster

Programming time (approx.):	60 minutes
Software version programmed during this campaign:	<p>Instrument cluster (Cayenne) 0907</p> <p>Instrument cluster (Panamera): 0255</p> <p>Following control unit programming, the software version can be read out of the instrument cluster in the 'Extended identification' menu using the PIWIS Tester.</p>
Procedure in the event of abnormal termination of control unit programming:	Repeat control unit programming by entering the programming code again.
Procedure in the event of 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 "Fault finding"</i> .

Subsequent work

1. Read out and erase all fault memories.
 - 1.1 In the control unit selection screen ('**Overview**' menu), press **F7** to call up the '**Additionalmenu**'.
 - 1.2 Select the function “**Read all fault memories and erase if required**” and press **F12** ("Next") to confirm your selection
 - 1.3 Once you have read out the fault memories, check the fault memory entries.



Information

If control units are found to have faults that are **not** caused by control unit programming, these must first be **found** and **corrected**. This work **cannot** be invoiced under the workshop campaign number.

- 1.4 Press F8 to delete fault memory entries..
 - 1.5 Press F12 (“Yes”) in response to the question as to whether you really want to delete all fault memory entries.
The faults stored in the fault memories of the various control units are deleted.
 - 1.6 Switch off the ignition.
 - 1.7 Disconnect the PIWIS Tester from the vehicle.
 - 1.8 Switch off and disconnect the battery charger.
 - 1.9 Enter the campaign in the Warranty and Maintenance booklet.
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Subsequent work



Information

The values for the Tire Pressure Monitoring (TPM) system may be lost during re-coding of the instrument cluster. If the Tire Pressure Monitoring (TPM) system is reset, the wheel electronics must be re-taught and adapted to the system.

Preconditions and procedure for teaching the wheel electronics units:

- Vehicle is stationary for at least 5 minutes.
- Select the type of tires fitted (type and size) in the TPM menu in the PCM. The message "No monitoring. System is learning from 25 km/h or 15 mph" then appears in the multi-function display.
- Drive at a speed of more than 25 km/h (15 mph) - ideally without stopping - until the tire pressure values are displayed (learning time: less than 2 minutes)

The system learns the wheel electronics only while driving. Intermediate stops and deviations from the described teaching procedure can result in a much longer learning time.

Teaching can be performed during the test drive or later while the customer is driving. Please inform your customer about this if necessary.

Warranty processing

Scope 1: Re-programming instrument cluster – Panamera (971)

Working time:	73 TU
Includes:	Connecting and disconnecting battery charger Connecting and disconnecting PIWIS Tester Reading out and erasing fault memory
Invoicing:	Damage Code AKB8 99 000, Repair Code 1

Scope 2: Re-programming instrument cluster– Cayenne (9YA and 9YB)

Working time:	74 TU
Includes:	Connecting and disconnecting battery charger Connecting and disconnecting PIWIS Tester Reading out and erasing fault memory
Invoicing:	Damage Code AKB8 99 000, Repair Code 1