

Technical Information

Service

174/22_{ENU} 3730

3

Warning Message "Transmission Failed" in the Instrument Cluster and Error Code (P060B00) Entered in the Transmission Electronics Control Unit (Tiptronic):
Re-Programming Transmission Electronics Control Unit (Tiptronic) (174/ 22)

Vehicle Type: Cayenne E-Hybrid (9YA/ 9YB)

Model Year: As of 2019 up to 2020

Concerns: Transmission electronics (Tiptronic) control unit

Information: If the selector lever is moved to position "N" immediately after the engine is switched off when the vehicle is at a standstill, the transmission electronics control unit (Tiptronic) can recognize a traction lock in position "N", activate emergency running and enter the fault code "P060B00 - Function restriction (006B27)".

The red warning message "Transmission failed - park vehicle safely" appears in the instrument cluster.

The vehicle is ready to drive again after an ignition change.

Action required: In the event of a customer complaint and an error code "P060B00" entered in the transmission electronics control unit (Tiptronic), reprogram the transmission electronics control unit (Tiptronic) with the PIWS Tester and installed test software version 41.100.020 (or higher).

Date of Introduction: Vehicles produced from March 2019 already use updated software.

Required tools

Tool:



Information

The 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 the corresponding Workshop Manual. → *Workshop Manual '2706IN Load general information on the 12-volt lithium-ion battery'* and → *Workshop Manual '270689 battery, vehicle electrical system'*

- Battery charger with a current rating of at least 90 A, e.g. VAS 5908 battery charger 90A.
- 9900 - PIWS Tester 3 with PIWS Tester test software version 41.100.020 (or higher) installed

Preparatory work

NOTICE

Fault entry in the fault memory or control unit programming aborted, as the case may be, due to under-voltage.

- Increased current draw during diagnostics or control unit programming can cause a drop in voltage, which can result in one or more fault entries and the abnormal termination of the programming process.
- ⇒ Before starting work, connect a suitable battery charger with a current rating of at least 90 A to the jump-start terminals.

NOTICE

Control unit programming will be aborted if the Wi-Fi connection is unstable.

- An unstable Wi-Fi connection can interrupt communication between the PIWIS Tester II and the vehicle communication module (VCI). As a result, programming may be aborted.
- ⇒ During control unit programming, always connect the PIWIS Tester to the vehicle communication module (VCI) via the USB cable.

NOTICE

Control unit programming will be aborted if the driver's key is not detected

- If the driver's key is not detected in the vehicle, programming cannot be started or will be interrupted.
- ⇒ Place the driver's key with the back facing down in front of the lock opening for the center console cover to guarantee a permanent wireless link between the vehicle and driver's key.

Work Procedure: 1 Carry out general preliminary work for control unit programming as described in ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming – section on "Preliminary work"*.

Re-programming transmission electronics control unit (Tiptronic)

Work
Procedure:



Information

It is imperative that the PIWIS Tester remains online during control unit programming so that backup documentation of the software versions installed on the control units before and after programming is sent to the Porsche After Sales systems.

- 1 The basic procedure for programming a control unit is described in the Workshop Manual ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - section on "Programming"*.

Specific information on control unit programming in the context of this Technical Information:

Required PIWIS Tester software version:	41.100.020 (or higher)
Type of control unit programming:	Control unit programming using the 'Automatic programming' function for the transmission electronics (Tiptronic) control unit. 'Transmission electronics (Tiptronic)' 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 transmission electronics is re-programmed and 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.
Programming time (approx):	12 minutes
Data record (software part number and software version) programmed for the transmission electronics (Tiptronic) during programming:	See section: ⇒ <i>Technical Information '9X00IN Overview of the programmed software versions for the transmission electronics'</i>
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> .
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by restarting programming.

Overview of the programmed software versions for the transmission electronics

Overview:



Information

The software part number and software version of the programmed data record are based on the specified PIWIS Tester test software version. Please note that this may be different in a higher version.

Cayenne E-Hybrid:

Exhaust emission standard	Control unit	Software part No.	Software version
EU6W/ ULEV	Transmission electronics (Tiptronic)	9Y0927158CD	1001

Concluding work

Work Procedure: 1 Carry out general rework for control unit programming as described in ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWIS Tester - section on "Rework"*.

Invoicing

For documentation and invoicing in the event of a warranty, state the work items required depending on the scope of work required and the specified PCSS encryption in the warranty claim:

APOS	Labor operation	I No.
37302500	Programming transmission electronics control units	

PCSS encryption:

Location (FES5)	37302	Tiptronic control unit
Damage type (SA4)	1134	Programming error

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