

Check Engine Warning Light is Active in Conjunction With Fault Memory Entry “P310B00” in the DME Control Unit: Re-Programming DME Control Unit (267/ 22)

Vehicle Type: Cayenne Turbo (9YA) / Cayenne Turbo Coupé (9YB)

Model Year: As of 2020

Concerns: Engine electronics (DME) control unit

Information: Customers complaint of a yellow warning message “Engine control fault” in the instrument cluster. The following fault memory entry is stored in the fault memory of the DME control unit:

- P310B00 - Fuel low-pressure system, control outside tolerance

Cause: The fuel low-pressure pump for fuel delivery from the fuel tank to the engine is a screw spindle pump. The delivery rate and the supply pressure of the fuel low-pressure pump are not always at the same level in near-idle mode due to the concept. In the event of a fault, the supply pressure for the engine operating state is too high.

Action required: In the event of a customer complaint, re-program the DME control unit using the PIWIS Tester with PIWIS Tester software version 41.600.020 (or higher) installed.

Required tools

- Tool:
- Battery charger with a current rating of at least 90 A, e.g. VAS5908 battery charger 90A. For further information about the battery chargers to be used, see the corresponding Workshop Manual ⇒ *Workshop Manual '270689 Charging vehicle electrical system and battery'*
 - P90999 - PIWIS Tester 4 with PIWIS Tester software version 41.600.020 (or higher) installed

Re-programming DME control unit

- 1 The basic work 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:	41.600.020 (or higher)
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Type of control unit programming:	Control unit programming using the 'Automatic programming' function of the DME control unit. 'Engine electronics (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 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.):	Programming takes up to 12 minutes, depending on equipment.
Data set for the motor electronics (DME) programmed as part of this programming:	See section ⇒ <i>Technical Information '9X00IN Overview of programmed DME data sets'</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 "Troubleshooting"</i> .
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by restarting programming.

- 2 Carry out general reworking for control unit programming as described in ⇒ *Workshop Manual '9X00IN Basic instructions and work procedure for control unit programming using the PIWIS Tester - Reworking section'*.

Overview of programmed DME data records

Overview:



Information

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

Cayenne Turbo (9YA) / Cayenne Turbo Coupé (9YB)

Exhaust emission standard	Model year				=Porsche part number (software)	Software version
	2020 (L)	2021 (M)	2022 (N)	2023 (P)		
C6b with RDE	x	x	x	-	9Y0906014E	0004
C6b with RDE	-	-	-	x	9Y0906014E	0020
ULEV	-	-	x	x	9Y0906014AB	0002

Invoicing

For documentation and warranty invoicing, enter the working position and PCSS encryption specified below in the warranty claim:

APOS	Labor operation	I No.
24702501	Re-programming DME control unit	

PCSS encryption:

Location (FES5)	2470	DME control unit
Damage type (SA4)	1134	Programming error

References: ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming using the PIWS Tester'*

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