

Yellow Malfunction Indicator Light Active on the Instrument Cluster / DME Fault Memory Entry P310B00: Re-Programming DME Control Unit (90/24)

Vehicle Type: **911 GT3 (992) / 911 GT3 with Touring Package (992)**

Model Year: **As of 2021 up to 2024**

Concerns: **DME control unit**

Cause: **Customers complain about a yellow warning message “Engine control fault” on the instrument cluster with the notice “Driving permitted, visit workshop”.**

The following fault memory entry is stored in the fault memory of the DME control unit:

- P310B00 – low fuel pressure, implausible

Cause: In the event of a very high-capacity fuel pump (low-pressure fuel pump) with a high pre-flow volume, the required target low fuel pressure of 72 psi (5.0 bar) can no longer be maintained despite full control. This results in the permissible low fuel pressure being exceeded and thus the customer complaint described above.

The pressure deviation as such is not noticeable by the customer and has no effect on the vehicle's ability to be driven.



Information

Replacing the fuel pump (low-pressure fuel pump) is not expedient for this complaint and does not constitute a remedy.

Action: In the event of a customer complaint, re-program the DME control unit using the PIWIS Tester.



Information

The minimum programming requirement is the PIWIS Tester software release: **42.700.050**

Required Tools

- Tools:
- **P90999 - PIWIS Tester 4**
 - **Battery charger, e.g.: VAS 5906 - Battery charger or VAS 5908 - battery charger 90A**

Re-programming DME control unit

- 1 The basic control unit programming is described in the Workshop Manual ⇒ *Workshop Manual '9X00IN Basic Instructions and Procedure for Control Unit Programming Using the PIWIS Tester'*.

Specific information on control unit programming as part of this Technical Information:

Required PIWIS Tester software release:	42.700.050 (or higher)
Type of control unit programming:	Control unit programming using the “Automatic programming” function of the DME control unit. “Motor 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, first the DME control unit and then the PDK control unit or transmission control unit , are re-programmed . Both control units are then automatically re-coded . Do not interrupt the programming and coding process. 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 releases are then performed.
Programming time (approx.):	Programming takes up to 15 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 records'</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'</i> .
Procedure in the event of a termination in the control unit programming:	Repeat control unit programming by restarting programming.

- 2 Read out and delete all control unit fault memories.
- 3 Exit the diagnostic application. Switch off ignition. Disconnect **P90999 - PIWIS Tester 4** from the vehicle.
- 4 Switch off and disconnect the battery charger.

Overview of programmed DME data records



Information

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

Overview:

911 GT3

- with Porsche Doppelkupplung (PDK)

Exhaust emission standard	Model year				Porsche part number (software)	Software version
	2021 (M)	2022 (N)	2023 (P)	2024 (R)		
ULEV	X	X	X	-	9GT906022DQ	0001 (or higher)
ULEV	-	-	-	X	9GT906022EC	0001 (or higher)

911 GT3

- with manual transmission

Exhaust emission standard	Model year				Porsche part number (software)	Software version
	2021 (M)	2022 (N)	2023 (P)	2024 (R)		
ULEV	X	X	X	-	9GT906022EA	0001 (or higher)
ULEV	-	-	-	X	9GT906022ED	0001 (or higher)

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
24702503	Programming DME control unit	

PCSS encryption:

Location (FES5)	24700	DME control unit
Damage type (SA4)	9735	Repair in accordance with PAG instructions

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