

Engine Symptom - Missing Oil-Level Gauge in Instrument Cluster: Re-Programming DME Control Unit (SY 197/23)

Vehicle Type: **911 GT3 (992)**

Model Year: **As of 2021 up to 2022**

Concerns: **Oil-level gauge sender**

Symptom: Oil level cannot be measured via instrument cluster, no oil level is displayed. It is also not possible to display the oil level using the PIWIS Tester.

Cause: Software error in DME control unit.

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



Information

The minimum programming requirement is the PIWIS Tester software release: **42.300.050**

Required tools

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

Re-programming DME control unit

- 1 The basic work 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 - section on "Programming"*.

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

Required PIWIS Tester software release:	42.300.050 (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:	<p>Read and follow the information and instructions on the PIWIS Tester during the guided programming sequence.</p> <p>During the programming sequence, first the DME control unit and then the PDK control unit or transmission control unit, as the case may be, are re-programmed.</p> <p>Both control units are then automatically re-coded.</p> <p>Do not interrupt programming and coding.</p> <p>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.</p> <p>Backup documentation of the new software versions is then performed.</p>
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 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'</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.
 - 2.1 Press **•F7** in the control unit selection screen ("Overview" menu) to call up the Additional menu.
 - 2.2 Select the "Read all error memories and delete if necessary" and press **•F12** ('Next') to confirm.
- 3 Exit the diagnostic application. Switch off Ignition. Disconnect Tester from 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 manual transmission

Exhaust emission standard	Software part number	Software release
LEV 3	9GT906022CN	0002

911 GT3

- with Porsche Doppelkupplung (PDK)

Exhaust emission standard	Software part number	Software release
LEV 3	9GT906022CJ	0002

Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
24702540	Programming DME control unit	

PCSS encryption:

Location (FES5)	17090	Oil-level sender
Damage type (SA4)	1611	not working

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