

**Temporary Vibrations on the Steering Wheel, Particularly During Sporty Driving (99/25)**

Vehicle Type: **911 GT3 (992)**  
**911 GT3 with Touring package (992)**  
**911 GT3 RS (992)**

Model Year: **As of 2021**

Concerns: **Power steering control unit (EPS)**

Cause: **The customer complains that there are temporary vibrations on the steering wheel in certain driving situations. This fault type can occur in particular during sporty driving.**

Action: If there is a customer complaint, check the software release of the power steering control unit and re-program or recode the power steering control unit (EPS) using the Porsche Tester depending on the software release.



**Information**

The minimum programming / coding requirement is the PIWIS Tester software release **43.800.000** (or higher)

**Required tools**

- Tools:
- **P90999 - Porsche Tester 4**
  - 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 90 A**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charge battery and vehicle electrical system'*

**Check software release of the power steering (EPS) control unit.**

- Work Procedure:
- 1 Perform general preliminary work for control unit programming accordingly.  
 ⇒ *Workshop Manual '9X00IN Basic instructions and procedure for control unit programming - section on "Preliminary work"*
  - 2 Check software release of the power steering control unit (EPS).
    - 2.1 In the Control unit selection '**Overview**', select the '**Power steering**' control unit and confirm with **F12** ('Next').
    - 2.2 Select the '**Extended identifications**' tab and check the software release.

Assessment	Action
The software release is <b>lower than "0440"</b> .	<b>Re-program</b> power steering control unit (EPS). As part of the programming sequence, the necessary coding takes place <b>automatically</b> .  Continue with: ⇒ <i>Technical Information '9X00IN Re-programming power steering control unit'</i>
The software release is <b>"0440"</b> (or higher).	<b>Re-code the power steering (EPS) control unit</b> .  Continue with: ⇒ <i>Technical Information '9X00IN Re-coding power steering control unit'</i>

### Re-programming the power steering control unit (EPS)

Work Procedure: 1 Re-program power steering control unit (EPS).

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'*

#### Specific information on control unit programming during this action:

Required Porsche Tester software release:	<b>43.800.000</b> (or higher)
Type of control unit programming:	Control unit programming using the <b>'Automatic programming'</b> function of the control unit:  <b>"Power steering"</b> control unit – <b>"Coding / programming"</b> menu – <b>"Automatic programming"</b> function.
Programming sequence:	Read and follow the <b>information and instructions on the Porsche Tester</b> during the guided programming sequence.  During the programming sequence, the control unit is <b>re-programmed</b> and then <b>automatically re-coded</b> .  <b>Do not interrupt the programming and coding process.</b>  Backup documentation for the re-programmed software releases starts after programming.
Programming duration:	Programming takes up to <b>5 minutes</b> , depending on equipment.

Software programmed during this action:	<p>▪ <b>Power steering control unit (EPS)</b> Software release: <b>0440</b> (or higher)</p> <p>Following control unit programming, the software release can be read out from the respective control unit using the Porsche Tester in the menu ⇒ 'Extended identifications'.</p>
Procedure if error messages appear 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 termination of 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 the ignition and disconnect **P90999 - Porsche Tester 4** from the vehicle.
- 4 Switch off and disconnect the battery charger.  
⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

**End of action.**

**Re-coding the power steering control unit (EPS)**

Work Procedure: 1 Re-code the power steering control unit (EPS).

The basic procedure to follow for control unit coding is described in the Workshop Manual.  
⇒ *Workshop Manual '270689 Basic instructions and procedure for control unit programming using the PIWIS Tester'*

**Specific information on control unit coding within the scope of this action:**

Required Porsche Tester software release:	<b>43.800.000</b> (or higher)
Type of control unit coding:	Control unit coding using the ' <b>Automatic coding</b> ' function for the control unit:  <b>'Power steering'</b> control unit – ' <b>Coding / programming</b> ' menu – ' <b>Automatic coding</b> ' function.

Coding sequence:	Read and follow the <b>information and instructions on the Porsche Tester</b> during the guided procedure.  <b>Do not interrupt coding.</b>  When coding is complete, the message "Coding has been completed successfully" is displayed and a tick appears in the 'Status' box.
Procedure if control unit coding is <b>not successful</b> :	Repeat control unit coding.

- 2 Read out and delete all control unit fault memories.
- 3 Exit the diagnostic application, switch off the ignition and disconnect **P90999 - Porsche Tester 4** from the vehicle.
- 4 Switch off and disconnect the battery charger.  
⇒ *Workshop Manual '270689 Charging vehicle electrical system battery'*

### Labor position and PCSS encryption

Labor position:

APOS	Labor operation	I No.
48902541	Re-coding the power steering control unit (EPS)	
48902542	Re-programming the power steering control unit (EPS)	

PCSS encryption:

<b>Location (FES5)</b>	48100	Steering wheel
<b>Damage type (SA4)</b>	1313	vibrating, shaking

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