

**WRK2 – Replacing Coolant Regulator (Workshop Campaign)**

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

Model Year: **2023**

Concerns: **Coolant regulator**

Cause: **Coolant regulators in which the radial shaft sealing ring does not meet the required specifications have been installed in the affected vehicles.**  
 This leads to coolant loss and a drop in the coolant level in the coolant expansion tank, which results in activation of the yellow or red warning message on the instrument cluster.

Action: Replace the coolant regulator.

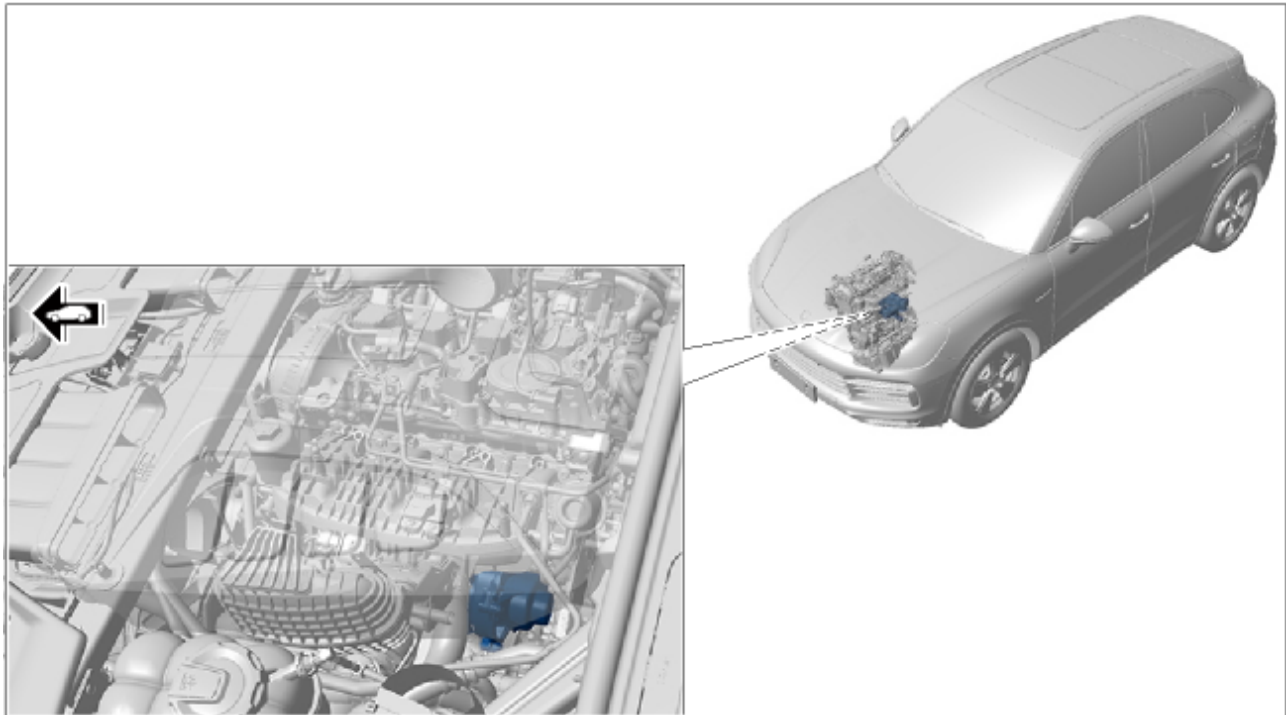


**Information**

The coolant regulator is integrated in the coolant regulator housing and cannot be replaced separately. In order to replace the coolant regulator, the coolant regulator housing must be replaced.

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information).

Installation  
position:



*Installation position of coolant regulator housing*

## Required parts and materials

The **part numbers** of the **required parts and materials** for the respective vehicle can be seen in the **assigned scope**. For an overview of the campaign scopes, see: ⇒ *Technical Information 'Warranty processing'*.

## Required Tools

Tool:

- Battery charger with a current rating of **at least 90 A**, e.g., **VAS 5908 - battery charger 90 A**
- **P90999 - PIWIS Tester 4**
- Torque wrench, 2-10 Nm (1.5-7.5 ftlb.), e.g. **V.A.G 1783 - torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
- Torque wrench, 6-50 Nm (4.5-37 ftlb.), e.g., **V.A.G 1331A - torque wrench, 6-50 Nm (4.5-37 ftlb.)**
- **VAS 6935 - Pole terminal puller**
- **T40262 - Locking cap**
- **VAS 6410 - Contact surface cleaning set**
- **VAS 6558A - High-voltage measuring module**
- **VAS 6558/9-7 High-Voltage Test Adapter HVR 40**
- **VAS 6883A - Insulated tool set**

- 3094 - Hose clamp
- 9696 - Filling device
- VAS 6096/2 - Vacuum pump
- VAS 6890 - Spring band clamp pliers
- T10360 - Socket tool, a/f 12
- VAS 6826 - Steering wheel balance

### Preparatory work

Work Procedure: Isolate high-voltage system from power supply. ⇒ *Workshop Manual '2X00IN Isolating high-voltage system from power supply/Starting high-voltage system'*

### Replacing coolant regulator

- Work Procedure: 1 Remove the **previous** coolant regulator housing. ⇒ *Workshop Manual '195519 Removing and installing coolant regulator housing (R4)'*
- 2 Transfer the coolant pump with a **new** seal to a **new** coolant regulator housing.  
For procedure, see:  
⇒ *Workshop Manual '195019 Removing and install coolant pump (R4)'*
- 3 Install a **new** coolant regulator housing. ⇒ *Workshop Manual '195519 Remove and install coolant regulator housing (R4)'*
- 4 Enter the campaign into the Warranty and Maintenance logbook.

### Follow-up actions

Work Procedure: 1 Start the high-voltage system ⇒ *Workshop Manual '2X00IN Deactivating high-voltage electrical system from power supply/Starting high-voltage electrical system'*

### Warranty processing



#### Information

The specified labor time was determined specifically for carrying out this campaign and includes all necessary preliminary and subsequent rework. The labor time may differ from the labor time published in the Labor Operation List in the PCSS.

Scope 1: Not relevant for this vehicle type.

Scope 2: **Replacing coolant regulator**

Valid for vehicles with the following equipment:

- **with** Porsche Dynamic Chassis Control (PDCC) (M-No. 1P7)

**Labor time:**

Replacing coolant regulator

Labor time: **540 TU**

Includes: Deactivating high-voltage system and starting it up  
 Removing and installing coolant pump drive belt  
 Removing and installing throttle body  
 Draining and filling coolant

**Required parts:**

Part No.	Designation – Location	Quantity
V04015005P	Coolant regulator	1 piece
PAC121043A	Moulded seal – Coolant pump	1 piece
95812113100	Connection socket with sealing ring - Coolant regulator housing	1 piece
WHT001163B	Hexagon-head bolt with inner multiple-tooth head (Duo) M16 x 16.5 – Coolant pump drive wheel	1 piece
PAF00072900	M8 x 20 hexagon socket head bolt – Front underbody cover	3 pieces

**Required materials** (usually already available in the Porsche Center):

V04015003P	Coolant additive, 20-liter/ 5.28 gal container	0.03 pieces
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⇒ **Damage number WRK2 066 000 2**

Scope 3:

**Replacing coolant regulator**

Valid for vehicles with the following equipment:

- **without** Porsche Dynamic Chassis Control (PDCC) (**M-No. 1PO**)

**Labor time:**

Replacing coolant regulator

Labor time: **540 TU**

Includes: Deactivating and activating high-voltage system  
 Removing and installing coolant pump drive belt  
 Removing and installing throttle body  
 Draining and filling coolant

**Required parts:**

Part No.	Designation – Location	Quantity
V04015005P	Coolant regulator	1 piece

PAC121043A	Moulded seal – Coolant pump	1 piece
95812113100	Connection socket with sealing ring - Coolant regulator housing	1 piece
WHT001163B	Hexagon-head bolt with inner multiple-tooth head (Duo) M16 x 16.5 – Coolant pump drive wheel	1 piece
<b>Required materials</b> (usually already available in the Porsche Center):		
V04015003P	Coolant additive, 20-liter/ 5.28 gal container	0.03 pieces
⇒ <b>Damage number WRK2 066 000 2</b>		

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