

ASA9 - Check the Screw Connection of the High-Pressure Pumps and Replace the High-Pressure Pumps Including Fuel Lines if Necessary (Stop Delivery)

Model Line: **Cayenne (9YA/9YB)**

Model Year: **As of 2024 up to 2026**

Concerns: **High-pressure pumps**

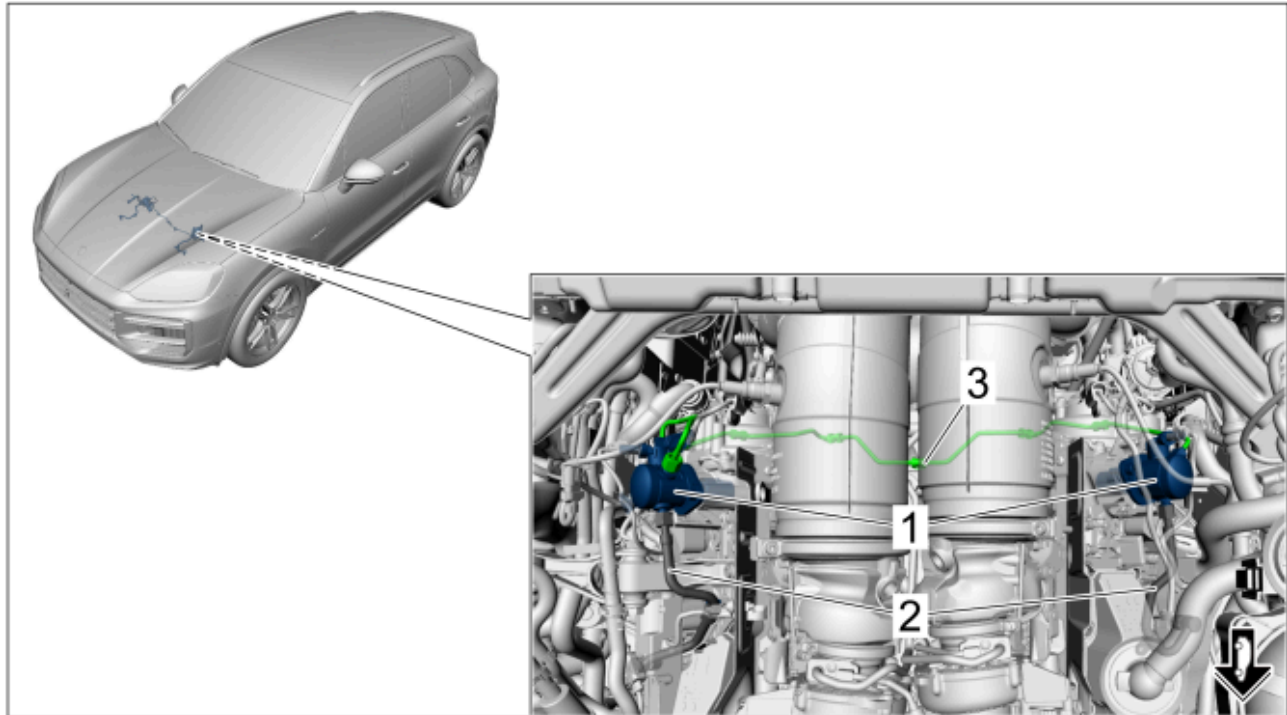
Cause: **Due to an error in the production process, there is a possibility on affected vehicles that the screw connections on the high-pressure pumps potentially do not comply with the specifications.**
As a result, this can lead to activation of the malfunction indicator light in the instrument cluster and fuel leakage, which increases the risk of a vehicle fire.

Action: Check the screw connection of the high-pressure pumps and replace the high-pressure pumps including fuel lines if necessary.

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

Installation

Position:



Installation position for high-pressure pumps and fuel lines

- 1 – High-pressure pumps
- 2 – Fuel lines (high-pressure)
- 3 – Fuel line (low-pressure/supply line - section on high-pressure pump)

Required parts as and when necessary



Information

The **part numbers** for checking the screw connection and/or replacing the high-pressure pumps and fuel lines are shown in the **scope assigned to the vehicle**; see section "Warranty processing".

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. **battery charger 90 A**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charging the vehicle electrical system battery'*
- 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 (5-37 ftlb.), e.g. **V.A.G 1331A - torque spanner, 6-50 Nm (5-37 ftlb.)**

Additional tool required for replacing high-pressure pumps including fuel lines:

- Torque wrench 40-200 Nm (30-248 ftlb.), e.g. **V.A.G 1332A - torque wrench, 40-200 Nm (30-248 ftlb.)**
- **3438 - Hooks**
- **V.A.G 1331/6 - Open-jawed wrench insert, a/f 17**
- **VAS 6890 - Spring band clamp pliers**
- **3337 - Ring wrench set for oxygen sensor**

Checking the screw connection of the high-pressure pumps

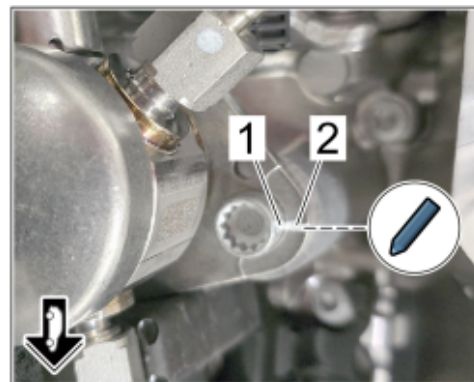
Work Procedure: 1 Expose high-pressure pumps until the screw connection of the high-pressure pumps is accessible.
For work procedure, see: ⇒ *Workshop Manual '246319A5 Removing and installing the high-pressure pump - TB5'*



Information

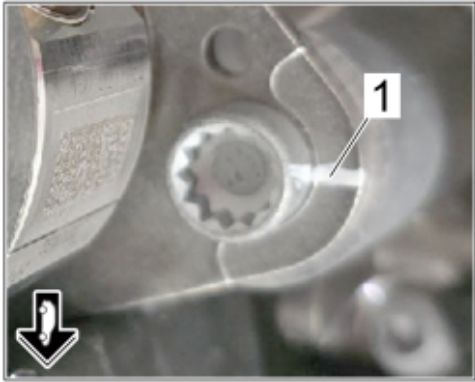
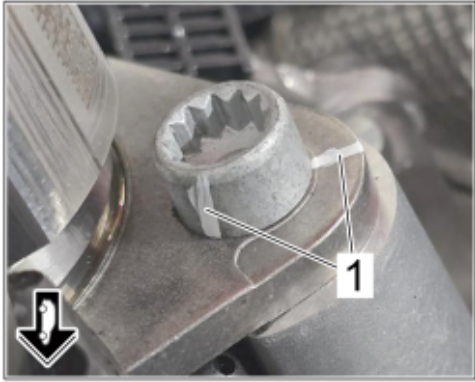
The check is described at one screw point as an example. Checking the other screw points is identical.

- 2 Check the screw connection of the high-pressure pumps.
 - 2.1 Hold on to the position of **all 4 screws**, mark the respective screw head ⇒ *Position of screw marked -1-* and contact surface ⇒ *Position of screw marked -2-* with a line for this purpose.
 - 2.2 Tighten screws with **tightening torque 18 Nm (13.3 ftlb.)**



Position of screw marked

Assessment		Action
(✓)	<p>No screws rotate further to reach the tightening torque.</p> <p>The marking ⇒ <i>Marking flush -1- is flush.</i></p>	<p>The screw connections are OK.</p> <p>All screw connections of the high-pressure pumps are OK, complete vehicle.</p>

	 <p style="text-align: center;">Marking flush</p>	<p>For work procedure, see: ⇒ <i>Workshop Manual '246319A5 Removing and installing the high-pressure pump - TB5'</i></p> <p>Invoicing for Scope 1.</p>
(X)	<p>One or more screws rotate further to reach the tightening torque.</p> <p>The marking ⇒ <i>Marking not flush -1- is not flush.</i></p>  <p style="text-align: center;">Marking not flush</p>	<p>The screw connection is not OK.</p> <p>If at least one screw connection of a high-pressure pump is not OK, continue with ⇒ <i>Technical Information '246319A5 Replacing high-pressure pumps including fuel lines'</i></p> <p>Invoicing for Scope 2, 3 or 4, depending on the test result.</p>

Replacing high-pressure pumps including fuel lines



Information

The respective high-pressure pump must only be replaced if one **or** both of its screw connections have been checked as **not OK**.

Consequently, there are **3 possible scopes** for repair:

- **Scope 2:** Check screw connection of the high-pressure pumps and replace high-pressure pump including fuel lines **on the left**
- **Scope 3:** Check screw connection of high-pressure pumps and replace high-pressure pump including fuel lines **on the right**

- **Scope 4:** Check screw connection of high-pressure pumps and replace high-pressure pumps including fuel lines on the **left and right**

- Work Procedure: 1 Replace the high-pressure pump.
For work procedure, see:
⇒ *Workshop Manual '246319A5 Removing and installing the high-pressure pump - TB5'*
- 2 Replace the fuel line (high-pressure).
For work procedure, see:
⇒ *Workshop Manual '249019A6 Removing and installing the fuel line (high-pressure) - TB5'*
- 3 Replace the supply line (high-pressure pump section).
For work procedure, see:
⇒ *Workshop Manual '203819A8 Removing and installing the supply line - TB5'*

Warranty processing



Information

The specified labor times were determined specifically for carrying out this campaign and include all of the necessary preliminary and subsequent rework. The labor times can differ from the labor time published in the Labor Operation List in the PCSS.

Scope 1: **Checking the screw connection of the high-pressure pumps**

Labor time:

Checking the screw connection of the high-pressure pumps

Labor time: **98 TU**

Includes: Loosening and fastening the ground strap for the battery
Removing and installing the air cleaner housing

⇒ **Damage number ASA9 066 000 1**

Scope 2:

Checking the screw connection of the high-pressure pumps and replacing the high-pressure pump including fuel lines on the left**Labor time:**

Checking the screw connection of the high-pressure pumps and replacing the high-pressure pump including fuel lines on the left

Labor time: **606 TU**

Includes: Loosening and fastening the ground strap for the battery
 Removing and installing the air cleaner housing
 Removing and installing the torque support
 Removing and installing the primary catalytic converter

Required parts:

PAB127026A	High-pressure pump	1 piece
PAC109311	Cam follower	1 piece
PAF910059	Cheese head bolt with multiple-tooth head	2 pieces
PAB127507B	Fuel line	1 piece
PAB127503B	Fuel line	1 piece
PAB133986E	Fuel line	1 piece
PAB201215F	Fuel line	1 piece
PAF008476	O-ring	1 piece
PAE253725A	Clamp	2 pieces
9A725311500	Seal	2 pieces
PAB25311500	Seal	2 pieces
PAF911308	Hexagon collar nut	6 pieces
N 90684704	Hex socket head screw (combination)	3 pieces

Required materials:

00004320935	Microgleit DF 977S - 400 ml (13.53 fl oz) spray can	0.1 piece
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⇒ **Damage number ASA9 066 000 2**

Scope 3: **Checking the screw connection of high-pressure pumps and replacing the high-pressure pump including fuel lines on the right**

Labor time:		
Checking the screw connection of high-pressure pumps and replacing the high-pressure pump including fuel lines on the right		Labor time: 625 TU
Includes:	Loosening and fastening the ground strap for the battery	
	Removing and installing the air cleaner housing	
	Removing and installing the torque support	
	Removing and installing the primary catalytic converter	
Required parts:		
PAB127026A	High-pressure pump	1 piece
PAC109311	Cam follower	1 piece
PAF910059	Cheese head bolt with multiple-tooth head	2 pieces
PAB127507C	Fuel line	1 piece
PAB127503B	Fuel line	1 piece
PAB133986E	Fuel line	1 piece
PAB201215F	Fuel line	1 piece
PAF008476	O-ring	1 piece
PAE253725A	Clamp	2 pieces
9A725311500	Seal	2 pieces
PAB25311500	Seal	2 pieces
PAF911308	Hexagon collar nut	6 pieces
N 90684704	Hex socket head screw (combination)	3 pieces
Required materials:		
00004320935	Microgleit DF 977S - 400 ml (13.53 fl oz) spray can	0.1 piece
⇒ Damage number ASA9 066 000 2		

Scope 4:

Checking the screw connection of high-pressure pumps and replacing the high-pressure pumps including fuel lines on the left and right**Labor time:**

Checking the screw connection of high-pressure pumps and replacing the high-pressure pumps including fuel lines on the left and right

Labor time: **728 TU**

Includes: Loosening and fastening the ground strap for the battery
 Removing and installing the air cleaner housing
 Removing and installing the torque support
 Removing and installing the primary catalytic converter

Required parts:

PAB127026A	High-pressure pump	2 pieces
PAC109311	Cam follower	2 pieces
PAF910059	Cheese head bolt with multiple-tooth head	4 pieces
PAB127507B	Fuel line	1 piece
PAB127507C	Fuel line	1 piece
PAB127503B	Fuel line	1 piece
PAB133986E	Fuel line	1 piece
PAB201215F	Fuel line	1 piece
PAF008476	O-ring	2 pieces
PAE253725A	Clamp	2 pieces
9A725311500	Seal	2 pieces
PAB25311500	Seal	2 pieces
PAF911308	Hexagon collar nut	6 pieces
N 90684704	Hex socket head screw (combination)	3 pieces

Required materials:

00004320935	Microlelit DF 977S - 400 ml (13.53 fl oz) spray can	0.2 pieces
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⇒ **Damage number ASA9 066 000 2**

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