

WNRO - Check Coolant Distributor for High-Voltage System and Replace if Necessary (Workshop Campaign)

Model Line: **Taycan (Y1A/Y1B/Y1C)**

Model Year: **2022**

Concerns: **Coolant distributor for high-voltage system**

Cause: **Due to temporary contamination of the laser welder, the water jacket on the high-voltage system coolant distributor may have been welded incorrectly on the affected vehicles.**

This can result in leakage in the high-voltage system coolant distributor. When a sufficient coolant loss is detected, the error message "Cooling system malfunction. Visit workshop" is displayed in the instrument cluster.

Action required: Check coolant distributor for the high-voltage system and replace if necessary.



Information

Every vehicle is assigned **all campaign scopes**.

Depending on the result of the check, the following scopes may arise:

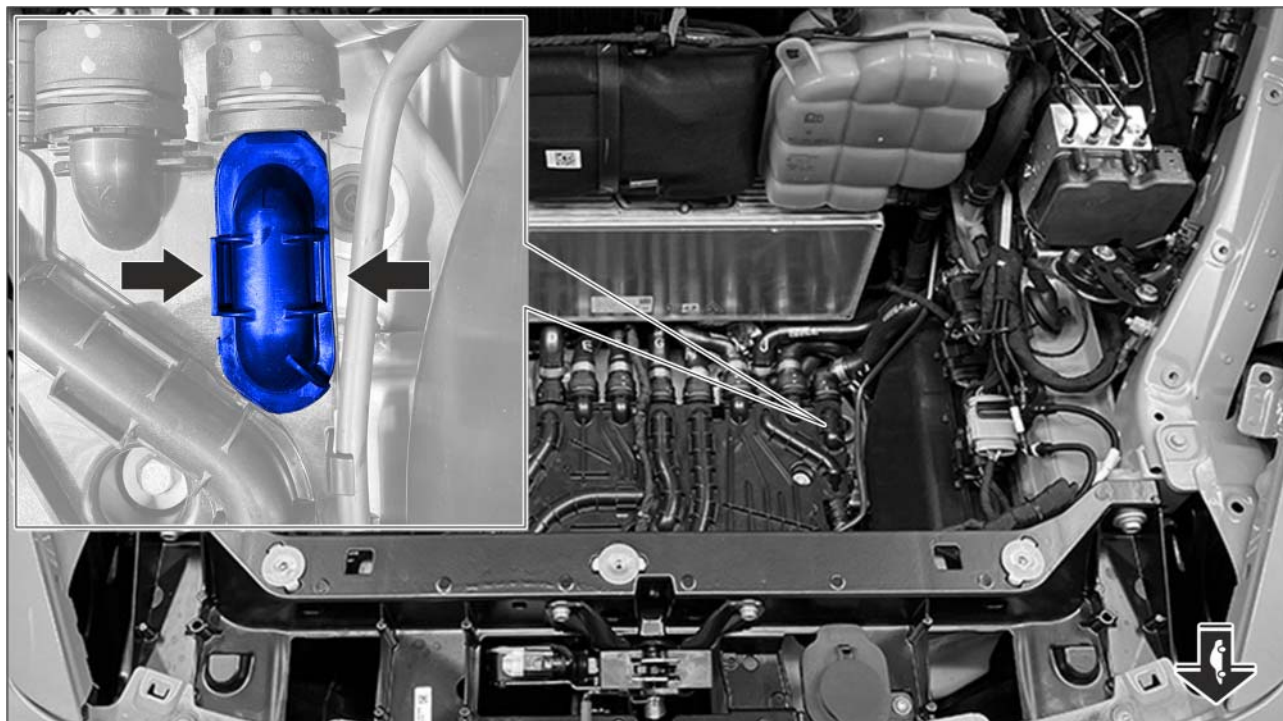
Scope 1: Checking coolant distributor for high-voltage system

Scope 2: Checking coolant distributor high-voltage system and replace

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

Installation

Position:

*Installation position*

Arrow – Checking coolant distributor for high-voltage system

Required parts

Parts Info: **No parts** are required for **checking**.

Required parts for campaign scope 2:

Part No.	Designation	Number
V04015009	⇒ Coolant distributor	1 pc(s)
WHT002287B	⇒ O-ring	3 pc(s)

Required tools

- Tools:
- **9900 - PIWIS Tester 3**
 - Feeler gauge, angled (commercially available)

Additional tools required for **scope 2**:

- VAS 531 011 - Cooling system service equipment
- VAS 6096/2 - Vacuum pump
- 3093 - 3093 - Hose clamp
- VAS 6675A - Funnel
- Battery charger with a current rating of **at least 90 A** and - if required - **also** with a **current and voltage controlled charge map** for lithium starter batteries, e.g. **VAS 5908 90A battery charger**



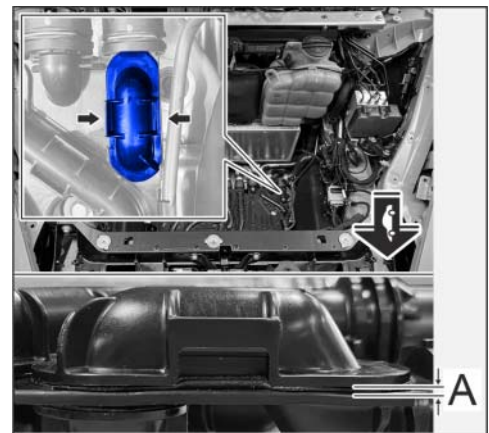
Information

The following pliers are suitable for loosening and fastening the spring band clamps:

- VAS 6856 Spring band clamp pliers
- VAS 6889 Spring band clamp pliers
- VAS 6890 Spring band clamp pliers
- VAS 6891 Spring band clamp pliers
- VAS 6930 Spring band clamp pliers

Check coolant distributor for the high-voltage system and replace if necessary

- Work Procedure: 1 Remove luggage compartment liner. ⇒ *Workshop Manual '501919 Removing and installing luggage compartment liner'*
- 2 Check coolant distributor for high-voltage system from all sides ⇒ *Checking coolant distributor -Arrow-*.



Checking coolant distributor

Assessment	Action
Gap dimension A is less than or equal to 1.5 mm/ 0.06 in	- End of action - Continue with Step 6.
Gap dimension A is greater than 1.5 mm/ 0.06 in	The coolant distributor for the high-voltage system is faulty and must be replaced. Continue with Step 4.

- 3 Remove coolant distributor for high-voltage system. ⇒ *Workshop Manual '199519 Removing and installing coolant distributor for high-voltage system'*
- 4 Convert all parts that are not on the new coolant distributor for the high-voltage system. Use **new** O-rings (Part No. WHT002287B) for the temperature sensors.
See:
⇒ *Workshop Manual '197119 Removing and installing change-over valve (UVW2/UVW7) (coolant distributor for high-voltage system)'*
⇒ *Workshop Manual '196819 Removing and installing directional-control valve (MVW1/MVW2) (coolant distributor for high-voltage system)'*
⇒ *Workshop Manual '197819 Removing and installing temperature sensor (TW5, TW9, TW12) (coolant distributor for high-voltage system)'*
⇒ *Workshop Manual '1X00IN Technical values - Cooling'*
- 5 Install coolant distributor for high-voltage system. ⇒ *Workshop Manual '199519 Removing and installing coolant distributor for high-voltage system'*
- 6 Install luggage compartment liner. ⇒ *Workshop Manual '501919 Removing and installing luggage compartment liner'*
- 7 Enter the campaign in the Warranty and Maintenance booklet.

Warranty processing

Scope 1: **Checking coolant distributor for high-voltage system**

Labor time:

Checking coolant distributor for high-voltage system

Labor time: **84 TU**

⇒ **Damage Code WNRO 066 000 1**

Scope 2: **Checking coolant distributor high-voltage system and replace**

Labor time:

Checking coolant distributor high-voltage system and replace

Labor time: **653 TU**

Includes: Checking coolant distributor for high-voltage system
 Draining and topping up coolant
 Retrofitting coolant distributor for high-voltage system

Required parts:

V04015009	Coolant distributor	1 pc(s)
WHT002287B	O-ring	3 pc(s)

⇒ **Damage code WNRO 66 000, repair code 2**

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