

WTA5 - Replacing Air-Conditioning Compressor and Dryer (Workshop Campaign)

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

Model Year: **As of 2024 up to 2025**

Concerns: **Air-conditioning compressor and dryer**

Cause: **Due to production deviations, an electric air-conditioning compressor with insufficient thermal conductivity may have been installed on the affected vehicles.**

If this is the case, the electric air-conditioning compressor may overheat and then switch off. As a result, the air conditioning and passenger compartment heating are not available.

Action: Replacing the air-conditioning compressor and dryer.

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

Required parts

The **part numbers** of the **required parts** for the respective vehicle can be seen in the **assigned scope**, 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., **VAS 5908 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'*
- **VAS 6122 - Engine plug set**
- **VAS 6883 - Insulated tool set**
- **VAS 6558A - High-voltage test adapter**
- **VAS 6558A/27 - Set of Kelvin clamps and test probes**
- **VAS 6558/9-6A - High-voltage test adapter**
- **VAS 6558A/52 - High-voltage measurement adapter**
- **VAS 6410 - Contact surface cleaning set**
- **T40262 - Locking cap**
- **VAS 6338/30A - Sealing caps**
- **Pole terminal puller**
- **3093 - Hose clamp**
- **VAS 6675A - Funnel**

- **VAS 531 011 - Cooling system service equipment**
- **Air-conditioning service device** recommended by Porsche for refrigerant **R1234yf**, e.g. **VAS 581 001A - Air-conditioning service device R1234yf**
- **VAS 231 007A - Scale**
- **VAS 6100 - Workshop crane**
- **VAS 691 013 - Stop rod**

Replacing the air-conditioning compressor and dryer

- Work Procedure: 1 Deactivate the high-voltage system.
⇒ *Workshop Manual '277583A2 Deactivating and activating the high-voltage system'*
- 2 **Replacing the air-conditioning compressor and dryer.**
⇒ *Workshop Manual '873455A1 Replacing electric air-conditioning compressor'*
and
⇒ *Workshop Manual '875555A1 Replace dryer'*
- 3 Activate the high-voltage system.
⇒ *Workshop Manual '277583A2 Deactivating and activating the high-voltage system'*
- 4 Enter the campaign in the Warranty and Maintenance Logbook.

Warranty processing

Scope 1: **Replacing the air-conditioning compressor and dryer**

- Not relevant for this vehicle type

Scope 2: **Replacing the air-conditioning compressor and dryer**

- Valid for Taycan (Y1A/Y1B/Y1C)

Labor time:

Replacing the air-conditioning compressor and dryer

Labor time: **1133 TU**

Includes: Deactivating and activating high-voltage system
Draining and filling coolant (complete)
Removing and installing high-voltage distributor mounting
Removing and installing high-voltage converter/booster
Removing and installing dryer
Removing and installing electric air-conditioning compressor
Connecting and disconnecting battery charger
Read out and delete fault memory

Required parts:

V04015800EE	Electric air-conditioning compressor	1 piece
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95557374901	Round seal, 11X2.5	2 piece
9A757374903	O-ring, 16.25X2.5	1 piece
N 10737001	M6 hexagon nut, self-locking	7 piece
N 10261307	Hexagon nut, M10	2 piece
PAF912040	Hexagon-head bolt M8 X 50	4 piece
PAF106825	Cheese head bolt with multiple-tooth head M8 X 50	4 piece
V04015007BC	Dryer	1 piece
95557374903	O-ring, 23.8 X 2.4	1 piece
Required materials:		
WTA50000002*	Consumables Includes: – Refrigerant 1234yf – Compressor oil 1234yf – Coolant additive – Brake fluid	1 piece
<p>*For invoicing the necessary material during the warranty processing, enter Part No. WTA50000002 with the designation "Consumables" as an additional part costing \$3.47 in the warranty claim.</p> <p>⇒ Damage number WTA5 066 000 2</p>		

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