

**WKJ5 - Replacing Generator (Workshop Campaign)**

Vehicle type: **718 Boxster (982) / 718 Boxster T (982)  
718 Cayman (982) / 718 Cayman T (982)**

Model Year: **As of 2019 up to 2020**

Subject: **Generator**

Information: **Due to a logistical error, the generators for various vehicle types of the 718 (982) and 911 (991) model line were interchanged.**

The generators installed in the affected vehicle types with flat-four and flat-six engines are identical, however the generators differ in the size of the pulley. Consequently, interchanging the generators results in the nominal speed range of the relevant generator being exceeded or undershot. As a result, the battery may not charge sufficiently or the generator may become damaged.

Remedial Action: Replace the generator.

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information). This campaign affects 41 vehicles in North America.

**Required parts and materials**

Part Info:	Part Info	Designation - Use	Qty.
	OPB903018	⇒ Generator - 718 Boxster / 718 Boxster T - 718 Cayman / 718 Cayman T	1 ea.
	90012300730	⇒ Sealing ring, A14 x 18 - Coolant drain plug	1 ea.
	99610680103	⇒ O-ring - engine coolant pipes	2 ea.

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

Part No.	Designation – Use	Qty.
00004330516	⇒ Coolant additive, 20-litre container – Cooling system	As much as required (approx. 2 litres required per vehicle)
00004330539	⇒ Klüberplus lubricant, 100g tube – O-rings, seals	As much as required (approx. 5 grams required per vehicle)

### Required tools

- Tools:
- **9696 - Filling device** for cooling system
  - **9696/2 - Cap**
  - **Vacuum pump**
  - **9900 - PIWIS Tester 3**
  - Battery charger with a current rating of **at least 40 A**, e.g. **Battery Charger, 45 A**
  - Torque screwdriver, 1.5 – 3 Nm (1 – 2 ftlb.), e.g. **Torque screwdriver, 1.5-3 Nm (1-2 ftlb.)**
  - Torque wrench, 2 - 10 Nm (1.5 - 7.5 ftlb.), e.g. **Torque wrench, 2-10 Nm (1.5-7.5 ftlb.)**
  - Torque wrench, 6–50 Nm (4.5–37 ftlb.), e.g. **Torque wrench, 6-50 Nm/4.5-37 ftlb.**

### Replacing the generator

- Work Procedure: 1 Place the vehicle onto a lifting platform, but do not raise it yet ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
- 2 Disconnect the battery.  
For instructions, see ⇒ *Workshop Manual '2X00IN Work instructions after disconnecting the battery'*.
- 3 Remove rear wall cover ⇒ *Workshop Manual '555919 Removing and installing rear wall cover'*.
- 4 Remove engine compartment lid ⇒ *Workshop Manual '557819 Removing and installing engine compartment lid'*.
- 5 Drain the coolant at the coolant regulator housing ⇒ *Workshop Manual '193817 Draining and filling coolant'*.
- 6 Remove holder for charge-air cooler.
- 6.1 Remove charge-air cooler ⇒ *Workshop Manual '214319 Removing and installing charge-air cooler'*.
- 6.2 Remove the holder for charge-air cooler ⇒ *Workshop Manual '214219 Removing and installing charge-air cooler holder'*.

- 7 Replace the generator.
  - 7.1 Slacken the drive belt and remove it from the generator pulley.  
For instructions, see ⇒ *Workshop Manual '137819 Removing and installing drive belt'*.
  - 7.2 Remove the generator and install a new, correct generator ⇒ *Workshop Manual '272219 Removing and installing generator.'*



**Information**

The **correct generator** for this vehicle type features a **larger pulley** than the generator that was incorrectly installed.

Part Info	Designation – Use	Qty.
OPB903018	Generator – 718 Boxster / 718 Boxster T – 718 Cayman / 718 Cayman T	1 ea.

- 7.3 Fit and tension the drive belt on the generator pulley.  
For instructions, see ⇒ *Workshop Manual '137819 Removing and installing drive belt'*.
- 8 Install charge air cooler.
  - 8.1 Install the holder for charge-air cooler ⇒ *Workshop Manual '214219 Removing and installing charge-air cooler holder'*.
  - 8.2 Install charge-air cooler ⇒ *Workshop Manual '214319 Removing and installing charge-air cooler'*.
- 9 Fill in coolant and bleed the cooling system.  
⇒ *Workshop Manual '193817 Draining and filling coolant'*  
⇒ *Workshop Manual '190107 Bleeding the cooling system'*
- 10 Install the cover for rear wall and the engine compartment lid and related trim panels.  
⇒ *Workshop Manual '555919 Removing and installing rear wall cover'*  
⇒ *Workshop Manual '557819 Removing and installing engine compartment lid'*.
- 11 Connect the battery and carry out operations after disconnecting battery ⇒ *Workshop Manual '2X00IN Work instructions after disconnecting the battery'*.
- 12 Enter the campaign in the Warranty and Maintenance booklet.

**Warranty processing**

Scope 1: Vehicle type: **718 Boxster (982) / 718 Boxster T (982)**.

**Working time:**Replacing generator Labor time: **345 TU**

Includes:

- Raising and lowering the vehicle
- Disconnecting and connecting battery
- Removing and installing rear wall cover
- Removing and installing engine compartment lid
- Draining and filling coolant (incl. bleeding the cooling system)
- Removing and installing holder for charge-air cooler
- Loosening and tightening drive belt

**Parts required:**

OPB903018	Generator	1 ea.
90012300730	Sealing ring, A14 x 18	1 ea.
99610680103	O-ring	2 ea.

**Required materials:**

00004330516	Coolant additive, 20-litre container	0.1 ea. (= approx. 2 litres)
00004330539	Klüberplus lubricant, 100g tube	0.05 ea. (= approx. 5 grams)

⇒ WKJ5 066 000 2

Scope 2: Vehicle type: **718 Cayman (982) / 718 Cayman T (982)****Working time:**Replacing generator Labor time: **385 TU**

Includes:

- Raising and lowering the vehicle
- Disconnecting and connecting battery
- Removing and installing rear wall cover
- Removing and installing engine compartment lid
- Draining and filling coolant (incl. bleeding the cooling system)
- Removing and installing holder for charge-air cooler
- Loosening and tightening drive belt

**Parts required:**

0PB903018	Generator	1 ea.
90012300730	Sealing ring, A14 x 18	1 ea.
99610680103	O-ring	2 ea.
<b>Required materials:</b>		
00004330516	Coolant additive, 20-litre container	0.1 ea. (= approx. 2 litres)
00004330539	Klüberplus lubricant, 100g tube	0.05 ea. (= approx. 5 grams)
⇒ WKJ5 066 000 2		

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