

WKJ7 - Replacing Coolant Pump (Workshop Campaign)

Model line: **911 (992)**

Model Year: **2020**

Subject: **Coolant pump**

Information: **During internal tests, Porsche has discovered that leaks can occur at the mechanical seal of the coolant pump over the service life of the vehicle.**

Coolant will escape if there is a leak. If this coolant loss goes unnoticed over a long period of time, a corresponding warning will be displayed in the instrument cluster.

Remedial Action: Replace coolant pump with an optimized variant.



Information

The vehicles affected by this workshop campaign may **also** be affected by the campaigns listed below:

- WKF2 Workshop campaign – Replacing pulse sender
- WKJ8 Workshop campaign – Replacing engine mounts and retrofitting caps

Given that some of the **tasks required for the respective workshop campaign will overlap, all campaigns required for the respective vehicle must be carried out together.**

Before carrying out this workshop campaign, please check therefore whether the vehicle is also affected by one or more of the campaigns specified above and always bear this in mind when carrying out this workshop campaign.

For **warranty processing** for this workshop campaign **together** with the **workshop campaign WKJ8**, see further information under ⇒ *Technical Information 'Warranty processing'*.

Affected Vehicles: Only vehicles assigned to the campaign (see also PCSS Vehicle Information). This recall affects 327 vehicles in North America.

Required parts and materials

Parts Info:	Part No.	Designation – Use	Qty.
	OPB121010D	⇒ Coolant pump, complete	1 ea.
	992253143A	⇒ Clamping sleeve – Rear silencer to catalytic converter	2 ea.

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

Part No.	Designation - Use	Qty.
00004330516	⇒ Coolant additive, 20-liter container - Cooling system	As much as required (approx. 1 liter 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
 - **9696/1 - Cap**
 - **Vacuum pump**
 - **Tester for Cooling System**
 - **9900 - PIWIS Tester 3**
 - **9952 - Ring wrench**
 - **9866/1 - Spreader**
 - **9953 - Socket-wrench insert**
 - Torque screwdriver, 1.5–3 Nm (1–2 ftlb.), e.g. **Torque screwdriver, 1.5-3.0 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.)**
 - Torque wrench, 40–200 Nm (30–148 ftlb.), e.g. **Torque wrench, 40-200 Nm (30-148 ftlb.)**
 - 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. **Battery charger 90A**



Information

The new 911 (992) comes with either a **lithium starter battery** (I-no. J2A) or an **AGM starter battery** (I-no. J0V, J4K) as standard.

This depends on the following:

- Country version
- Model type
- Vehicle equipment

Lithium starter batteries must only be charged using a **suitable battery charger** that has a current and voltage-controlled charge map.

For further information about the battery chargers to be used, see ⇒ *Workshop Manual '270689 Charging battery/vehicle electrical system'*.

Replace coolant pump

Work Procedure: 1 Drain coolant from the engine.

- 1.1 Raise the vehicle on a lifting platform ⇒ *Workshop Manual '4X00IN Lifting the vehicle'*.
- 1.2 Remove rear underbody cover ⇒ *Workshop Manual '519419 Removing and installing rear cover'*.
- 1.3 Drain coolant at the engine ⇒ *Workshop Manual '193817 Draining and filling coolant'*.

2 Remove rear silencers.

- 2.1 Remove rear apron ⇒ *Workshop Manual '635519 Removing and installing rear apron'*.
- 2.2 Remove rear bumper ⇒ *Workshop Manual '635019 Removing and installing rear bumper'*.
- 2.3 Remove rear silencer ⇒ *Workshop Manual '263319 Removing and installing rear silencer'*.

3 Remove heat shield for drive belt ⇒ *Workshop Manual '261419 Removing and installing heat shield (on belt drive)'*.

4 Loosen drive belt and remove it only from the coolant pump pulley.
For instructions, see ⇒ *Workshop Manual '137855 Replacing drive belt'*.

5 Remove coolant pump with housing and install new coolant pump ⇒ *Workshop Manual '195019 Removing and installing coolant pump'*.

Part No.	Designation	Qty.
OPB121010D	Coolant pump, complete	1 ea.

6 Re-install the drive belt that you loosened earlier.
For instructions, see ⇒ *Workshop Manual '137855 Replacing drive belt'*.

7 Install heat shield for drive belt ⇒ *Workshop Manual '261419 Removing and installing heat shield (on belt drive)'*.

8 Install rear silencers.

- 8.1 Install rear silencer.
Use new clamps between the rear silencer and catalytic converters.
For instructions, see ⇒ *Workshop Manual '263319 Removing and installing rear silencer'*.

Part No.	Designation	Qty.
992253143A	Clamping sleeve	2 ea.

8.2 Install rear bumper ⇒ *Workshop Manual '635019 Removing and installing rear bumper'*.

8.3 Install rear apron ⇒ *Workshop Manual '635519 Removing and installing rear apron'*.

- 9 Fill the cooling system, bleed it and check for leaks.
⇒ *Workshop Manual '193817 Draining and filling coolant'*
⇒ *Workshop Manual '190107 Bleeding the cooling system'*
⇒ *Workshop Manual '190101 Checking the cooling system'*
- 10 Install rear underbody cover ⇒ *Workshop Manual '519419 Removing and installing rear cover'*.

Do **not** enter the campaign in the Warranty and Maintenance booklet.

Warranty processing



Information

The specified working times were determined specifically for carrying out this campaign and may differ from the working times published in the Labour Operation List in PCSS.



Information

The vehicles affected by this workshop campaign may **also** be affected by the campaigns listed below:

- WKF2 Workshop campaign – Replacing pulse sender
- WKJ8 Workshop campaign – Replacing engine mounts and retrofitting caps

Given that some of the **tasks required for the respective workshop campaign will overlap, all campaigns required for the respective vehicle must be carried out together.**

For **warranty processing** for this campaign, two campaign scopes have been created:

- **Scope 1 – Combined scope**

This scope must be invoiced if this campaign was carried out **together** with the other campaigns specified above. All **overlapping tasks** are included in the working time for **workshop campaign WKJ8** and will be invoiced with campaign WKJ8.

- **Scope 2 – Full scope**

Scope 2 must only be invoiced if the respective vehicle was brought into the workshop **only** in order to carry out this campaign.

This scope includes all tasks required for carrying out this workshop campaign.

Scope 1: **Replacing coolant pump** – Carried out together with workshop campaign WKJ8

Working time:		
Replacing coolant pump		Labor time: 169 TU
Includes:	Removing and installing rear silencer Loosening and securing drive belt	
Without:	Overlapping tasks for workshop campaign WKJ8	
Parts required:		
OPB121010D	Coolant pump	1 ea.
992253143A	Clamping sleeve	2 ea.
Required materials:		
00004330516	Coolant additive, 20-liter container	0.05 ea. (= approx. 1 liter)
00004330539	Klüberplus lubricant, 100g tube	0.05 ea. (= approx. 5 grams)
⇒ Damage Code WKJ7 066 000 2		



Information

- **Scope 2 – Full scope**

Scope 2 must only be invoiced if the respective vehicle was brought into the workshop **only** in order to carry out this campaign.

This scope includes all tasks required for carrying out this workshop campaign.

Scope 2: **Replacing coolant pump** – Full scope

Working time:	
Replacing coolant pump	
Labor time: 468 TU	
Includes:	Draining and filling coolant, bleeding and checking the cooling system Removing and installing cover for rear underbody Removing and installing rear apron Removing and installing rear bumper Removing and installing rear silencer Loosening and securing drive belt

Parts required:

OPB121010D	Coolant pump	1 ea.
992253143A	Clamping sleeve	2 ea.
Required materials:		
00004330516	Coolant additive, 20-liter container	0.05 ea. (= approx. 1 liter)
00004330539	Klüberplus lubricant, 100g tube	0.05 ea. (= approx. 5 grams)

⇒ Damage Code WKJ7 066 000 2

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