Oil Leakage in the Area of the Upper Part of the Oil Pan and Crankcase: Checking Return Seal on Upper Part of Oil Pan and Replacing if necessary (91/24)

Modifications overview

Release	Date	Modification
0	07/08/2024	First publication
1	04/07/2025	Part numbers added
2	08/20/2025	Updated to include part number 0PB115685B

Vehicle Type: **911 Carrera (992) / 911 Carrera S (992) / 911 Sport (992) / 911 Carrera GTS (992) / 911 Carrera T (992) / 911 Carrera 4 (992) / 911 Carrera 4S (992) / 911 Carrera 4 GTS (992) / 911 Targa 4 (992) / 911 Targa 4S (992) / 911 Targa 4 GTS / 911 Turbo (992) / 911 Turbo S (992) / 911 Dakar (992)**

Model Year: **As of 2020 up to 2024**

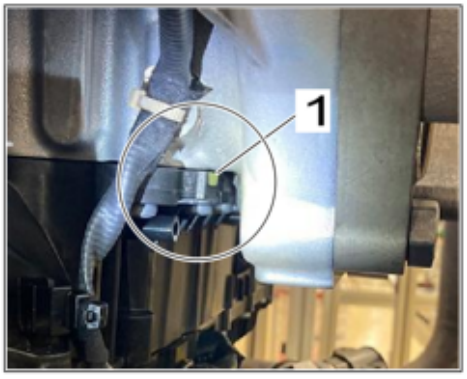
Equipment: 6-cylinder engine with twin turbochargers, 3.0 l displacement

6-cylinder engine with VTG twin turbochargers, 3.75 l displacement

Concerns: **Oil pan return seal**

Cause: **Oil traces are detected on the oil pan on the side of the engine transmission flange.**

The leak is located in the area of the sealing point between the upper part of the engine oil pan and crankcase ⇒*Oil leakage area* **-Circle-**, on green return seal ⇒*Oil leakage area* **-1-** in the "window section" of the upper part of the oil pan.



Oil leakage area

Action: Check the return seal in the area of the "window section" and replace it with a **new component status** if applicable.

Information

Replacing the upper part of the oil pan, including the moulded seal, is not expedient because this complaint involves a defect in the return seal in the area of the "window section" of the oil pan and not a defect in the oil pan itself.

Required parts

Parts Info:

Part No.	Designation – Location	Number
0PB115111C	⇒ Seal, Black – Return line of upper part of oil pan	2 pieces
9A700828100	⇒ O-Ring 31.0 x 3.00 – Coolant pipe on controller	2 pieces
PAF013814	⇒ M14 x 18 sealing ring – Coolant drain plug	2 pieces
0PB121139	⇒ Coolant pipe seal – Coolant pipe to coolant pump	1 piece(s)
0PB121149	⇒ Coolant pipe seal – Coolant pipe to engine	1 piece(s)
0PB115685C **or**	⇒ Seal for lower part of oil pan	1 piece(s)
0PB115685B	⇒ Seal for lower part of oil pan – Turbo / Turbo S	1 piece(s)
0PB115476C	⇒ Seal for upper part of oil pan	1 piece(s)
PAF008276	⇒ O-Ring 12.0 x 2.50 – Oil line	8 pieces
PAF008640	⇒ O-Ring 10.00 x 3.5 – Upper part of oil pan	2 pieces
0PB115625A	⇒ Oil pan sealing ring – Lower part of oil pan	2 pieces
95810380100	⇒ Screw plug on oil pan	1 piece

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

Part No.	Designation – Application point / additional designation	Quantity
00004320593	⇒ Lubricating grease (100g/ 3.52 oz tube), Klüberplus gel – O-rings	As required
00004330516	⇒ Coolant (20 l/ 5.28 gal container) – Cooling system	As required
...	⇒ Engine oil, C40 standard – EXXON MOBIL 1 ESP X3, 0W-40	As required

Required Tools

Tools:

- **P90999 - PIWIS Tester 4**
- Battery charger with a current rating of **at least 90 A**, e.g. **VAS 5908 - 90-A battery charger**. For further information about the battery chargers to be used, see the corresponding Workshop Manual. ⇒ *Workshop Manual '270689 Charging battery and vehicle electrical system'*
- 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, 20-100 Nm (15-74 ftlb.), e.g., **VAS 5820 - Torque wrench, 20-100 Nm (15-74 ftlb.)**
- Torque wrench, 40-200 Nm (30-148 ftlb.), e.g., **V.A.G 1332A - torque wrench, 40-200 Nm (30-148 ftlb.)**
- Cooling system service device, e.g., **VAS 531 011 - Cooling system service device**
- Funnel, e.g., **VAS 6675A - Funnel**
- Filling device, e.g., **9696 - Filling device**
- Vacuum pump, e.g., **VAS 6096/2 - Vacuum pump**
- Spring band clamp pliers, e.g. **VAS 6890 - Spring band clamp pliers**
- Assembly tool, e.g., **T10549 - Assembly tool**

Checking return seal on upper part of oil pan and replacing if necessary

Work Procedure: 1 Raise the vehicle.
⇒ *Workshop Manual '4X00IN Raise the vehicle'*

Information
Oil leakage must be clearly identifiable and reproducible.

To do this, proceed as follows:

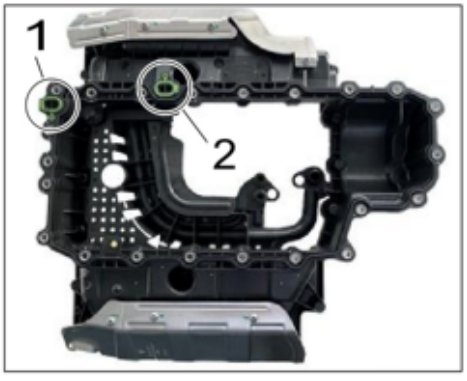
1. Document the original complaint condition with meaningful photos.
2. Attach documentation to PCSS line.
3. Clean the engine and transmission thoroughly.
4. Spray large areas of the engine and transmission with SpotCheck around the suspected leakage points.
5. If necessary, perform a test drive with the engine oil and coolant having at least reached operating temperature.
6. Locate the oil leakage.
7. Produce photo documentation of the leakage point located using SpotCheck.
8. Attach documentation to PCSS line.

2 Check the return seal in the area of the "window section" on the upper part of the oil pan.

Assessment		Action
(✓)	Oil leakage not in the window section or on the return seal	If the complaint is not rectified by this technical information, resume troubleshooting. Lower the vehicle. **End of action.**
(✗)	Oil leakage in the window section or on the return seal	Continue with ⇒ 3.

3 Replace previous return seals ⇒*Affected seals* **-1 and 2-** on the upper part of the oil pan with **new, black return seals with a new component status**.
For procedure, see: ⇒*Workshop Manual '175019 Removing and installing oil pan (upper part)'*

Information
The previous component status of the return seal in green must no longer be used here.



Labor position and PCSS encryption

Information

If necessary, additionally required working time guideline values for preparatory or follow-up actions need to be determined using the Porsche Central Service System (PCSS), depending on the equipment of the vehicle.

Labor position:

APOS	Labor operation	I No.
17510190	Checking seal on oil pan	
17501960	Removing and installing oil pan (lower part)	
17501961	Removing and installing oil pan (upper part)	
19381754	Draining and filling coolant	
19010750	Bleed the cooling system	
17011750	Draining and filling engine oil	

PCSS encryption:

Location (FES5)	17500	Oil pan
Damage type (SA4)	5043	Oil loss