

Oil Leakage in the Area of the Upper Part of the Oil Pan and Crankcase: Observe Procedure when Replacing Oil Pan Seal (117/24)

Vehicle Type: **911 GT3 (992)**

Model Year: **As of 2021 up to 2022**

Concerns: **Oil pan seal**

Cause: **Oil traces are detected on the oil pan (oil guide housing) and possibly on the underbody panelling.**

The leak is located in the area of the oil pan sealing point (oil guide housing) to the crankcase and indicates a replacement of the oil pan seal is necessary.

Cause: In very rare cases, production tolerances of the oil pan (oil guide housing) can damage the oil pan seal on Porsche 911 GT3 (992) vehicles with a production date between 06/01/2021 and 08/01/2021. This may lead to slight loss of oil at the sealing point between the oil pan (oil guide housing) and the crankcase.

Action: If the oil leakage can be clearly assigned to the oil pan seal and the vehicle is assigned to the technical warranty extension 116/24, the oil pan seal **and additionally the oil pan (oil guide housing)** must be replaced.



Information

The additional replacement of the oil pan (oil guide housing), as described in this technical information action, **applies exclusively to Porsche 911 GT3 (992) vehicles in Technical Information no. 116/24, 0X00 "Warranty information: oil pan warranty extension (oil guide housing) in conjunction with technical information 117/24".**

Required parts and materials

Parts Info:	Part No.	Designation – Location	Quantity
	PAF910423	⇒ Oval socket head bolt M6 x 16 – Lower part of rear spoiler (diffuser)	5 pieces
	Additional parts required if the oil pan (oil guide housing) must be replaced		
	9GT115397B	⇒ Oil guide housing (oil pan), incl. seals	1 piece
	OPB115351	⇒ Oil filter	1 piece
	PAF108404	⇒ Press in sealing ring – Screw plugs and Connecting pieces	2 pieces

PAF008384	⇒ O-ring, 40.00 x 4.00 – Connecting piece for oil tank	2 pieces
PAF009487	⇒ O-ring, 16.00 x 4.00 – Connecting piece for oil tank	2 pieces
PAF009488	⇒ O-ring, 27.00 x 4.00 – Connecting piece for oil tank	2 pieces
PAF008267	⇒ O-ring 22.00 x 3.00 – Coolant pipes on oil pan	6 pieces
PAF009457	⇒ O-ring 31.00 x 3.00 – Coolant pipes on oil pan	2 pieces
9GT115647B	⇒ Cap – Oil tank	1 piece
PAF013814	⇒ Press in sealing ring – Coolant drain plug	2 pieces
95557374901	⇒ Round seal – Refrigerant line	1 piece
95557374902	⇒ Round seal – Refrigerant line	1 piece
PAF008660	⇒ Hexagon nut M10 – Transmission bracket to body	4 pieces
PAF009267	⇒ Hexagon-head bolt M10 x 40 – Transmission bracket to body	4 pieces
PAF104694	⇒ Hexagon-head bolt, M12 x 1.5 x 70 – Engine mount on cylinder head cover	2 pieces
N 90993603	⇒ All-round screw (combi) M6x 25 – Heat shield holder	4 pieces
N 10810301	⇒ Hexagon-head bolt with multiple-tooth head, M8 x 60 – (Lower) rear spoiler	2 pieces
WHT008676	⇒ Hexagon-head bolt strut M12 x 1.5 x 45 – Strut on body	2 pieces
N 90916701	⇒ Hexagon collar nut, self-locking M12 x 1.5 – Rear axle carrier side section on rear body	2 pieces
PAF009588	⇒ M10 x 58 combination screw – Mounting longitudinal arm on body	4 pieces
PAF008868	⇒ Hexagon nut M10 – Mounting longitudinal arm on body	2 pieces
PAF008735	⇒ Hexagon-head bolt, rear axle M12 x 1.5 x 95 – Side section rear axle carrier on center and front body	4 pieces

9A700867700	⇒ Hexagon-head bolt, M12 x 1.5 x 80 – Spring strut to wheel bearing housing	2 pieces
PAF909664	⇒ Hexagon collar nut, self-locking M12 x 1.5 – Spring strut to wheel bearing housing	2 pieces
WHT008727	⇒ Cheese head bolt on drive shaft – Drive shaft to transmission flange	12 pieces
95533219121	⇒ Plate – Drive shaft to transmission flange	6 pieces
9A700758500	⇒ Cheese head bolt, M12 x 1.5 x 85 – Brake calliper to wheel bearing housing	4 pieces
9F1131120	⇒ Gasket – Secondary air line	4 pieces
OPB131550	⇒ Gasket – Secondary air valve seal	4 pieces
9A700812900	⇒ External hexagon round-head bolt M6 x 35 – Oil tank on oil pan	2 pieces
PAF009485	⇒ O-ring 36.00 x 3.00 – Heat exchanger	1 piece
PAF007960	⇒ O-ring 3.00 x 3.00 – Heat exchanger	3 pieces

Material: **Required material if the oil pan (oil guide housing) must be replaced** (usually already available at the Porsche Center):

Part No.	Designation – Application point / additional designation	Quantity
00004320593	⇒ Lubricating grease (100 g/ 3.52 oz tube), Klüberplus gel – O-rings	As required
00004330516	⇒ Coolant (20 l/ 5.28 gal container) – Cooling system	As required
...	⇒ Engine oil, C40GT standard – EXXON MOBIL 1, 0w-40	As required
9A757390010	⇒ Refrigerant compressor oil 1234yf – Air-conditioning system	As required
...	⇒ Refrigerant 1234yf – Air-conditioning system	As required

Required tools

Tools:

- Access ramps, e.g. **9453 - access ramps**,

Additional tool required if the oil pan seal needs to be replaced:

- **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 Charge 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.)**
- Torque wrench, 150-800 Nm (111-592 ftlb.), e.g. **V.A.G 1601 - Torque wrench, 150-800 Nm (111-592 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**
- Oil filter release key, e.g. **9443 - oil filter release key**
- Strapping belts, e.g. **9454 - strapping belts**
- Retaining plate, e.g. **9769 - retaining plate**
- Support e.g. **9769/1 - support**
- Assembly tool, e.g., **9822 - assembly tool**
- Fixing pins, e.g. **P90030 - centring pins**
- Disassembly tool, e.g. **VAS 6933 - disassembly tool**
- Master Gear engine lift table, e.g. **VAS 6832 - Master Gear engine lift table**
- Assembly aid, e.g. **9794 - assembly aid**
- Socket wrench, e.g. **9796 - socket wrench**
- Wheel mounting trolley, e.g. **VAS 6266A - wheel mounting trolley**
- Transmission and gearbox jack, e.g. **VAS 6931A - Transmission and gearbox jack**
- Suspension device, e.g. **3033 - suspension device**
- Fixing parts, e.g. **9590 - fastening parts**
- Retaining plate, e.g. **9769 - retaining plate**
- Support e.g. **9769/1 - support**
- Support e.g. **9769/2 - support**
- Motor adapter, e.g. **9771 - engine adapter**
- Pick-up set, e.g. **9771/1 - recording set**
- Engine holder, e.g. **9771/2 - engine holder**
- Transmission holder, e.g. **9932 - transmission holder**
- Pick-up hooks, e.g. **9971 - pick-up hook**
- Engine and gearbox bracket, e.g. **VAS 6095 - engine bracket**

- Workshop crane, e.g. **VAS 6100 - workshop crane**
- **VAS 6122 - Engine plug set**
- Steering wheel balance, e.g., **VAS 6826 - Steering wheel balance**
- **Air conditioning service device** recommended by Porsche for refrigerant **R1234yf**, e.g. **VAS 581 007 - extraction device for R1234yf**

Additional required tool if the reversing camera needs to be calibrated

- Spacing laser, e.g. **VAS 6350/2A - spacing laser**
- Locking pins, e.g. **VAS 6350/7 - locking pins**
- Calibration device, e.g. **VAS 6350A - calibration device**
- Wheel alignment adapter for wheels with center lock, e.g. **VAS 6830 - wheel alignment adapter for wheels with center lock**

Additional required tool if the surround view camera needs to be calibrated

- Calibration system, e.g. **VAS 721 001 - calibration system**

Locate oil leakage and replace oil pan seal and additional oil pan (oil guide housing) if necessary

- Work Procedure: 1 Raise the vehicle.
 ⇒ *Workshop Manual '4X00IN Raise the vehicle'*
- 2 Remove rear spoiler, lower part (diffuser).
 ⇒ *Workshop Manual '66591925 Remove and install rear spoiler, lower part (diffuser)'*



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, test drive the vehicle 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.

- 3 Check oil leakage in the area of the sealing point on the oil pan (oil guide housing) to the crankcase.

Assessment		Action
(✓)	Oil leakage between oil pan (oil guide housing) and crankcase not present .	If the complaint is not rectified by this technical information, resume troubleshooting. Install rear spoiler, lower part (diffuser) ⇒ <i>Workshop Manual '66591925 Remove and install rear spoiler, lower part (diffuser)'</i> and drain the vehicle. End of action.
(x)	Oil leakage present between oil pan (oil guide housing) and crankcase .	Go to ⇒ 4.

- 4 Replace existing oil pan (oil guide housing) **with new oil pan (oil guide housing), including the oil pan seal**.
For procedure, see: ⇒ *Workshop Manual '175019 Remove and install oil pan'*

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.
17500140	Check for oil loss	
17501975	Remove and install oil pan	

PCSS encryption:

Location (FES5)	1750	Oil pan
Damage type (SA4)	1521	crack/incipient crack

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