

Porsche Carrera Cup France 2023

Note Technique 22/2023

Chers tous,

Veillez trouver ci-dessous la note technique 22/2023 applicable à votre Porsche 992 GT3 Cup.

Nous restons à votre disposition si vous avez des questions.

VIDANGE D'HUILE MOTEUR

Porsche Motorsport vous informe qu'une nouvelle procédure est désormais en vigueur pour vidanger l'huile moteur.

Celle-ci facilite le retrait d'avantage d'huile usagée et donc d'avantage d'impuretés du moteur.

Les procédures de montée en pression d'huile à l'arrêt n'affectent pas la durée de vie du moteur, même si la pression d'huile reste très faible.

La nouvelle procédure est décrite ci-dessous :

ENGINE OIL CHANGE

Porsche Motorsport informs that, with immediate effect, a new procedure is recommended for changing the engine oil. This facilitates the removal of more old oil and therefore more impurities from the engine.

The lifetime of the engine is not negatively affected by cranking the engine without oil pressure.

The new procedure is described on the following pages:

1.4 Engine oil

1.4.1 Technical data of engine oil

NOTICE

ENGINE DAMAGE DUE TO INCORRECT ENGINE OIL

Risk of engine damage due to non-approved engine oils.

- ▶ Only use approved engine oils according to the table below!

NOTE: Mobil 1 ESP X4 0W-40 must **NOT** be used!

Specification	Value
Specification	Mobil 1™ ESP X3 0W-40/ Mobil 1™ C40 GT 0W-40* <small>*Available starting 02/2024</small>
Fill volume at engine oil change	drained engine oil volume + 0.25 l (oil volume of oil filter)
Initial fill volume (total volume)	8.5 l
Runtime interval (oil + filter)	50 h

1.4.2 Engine oil change

▲ WARNING

ROTATING PARTS

Risk of serious injury from rotating parts.

- ▶ It is mandatory to clear and observe the working area when operating the starter during the oil change routine.
- ▶ Avoid contact with rotating parts.

▲ CAUTION

HOT ENGINE OIL

Risk of scalding from hot engine oil with engine at operating temperature.

- ▶ Avoid contact with hot engine oil.

NOTICE!

Dispose of used oil and oil filters according to the country-specific legal regulations.



The oil collection container should have a distance of max. 10 cm to the relevant oil drain point in order to avoid unnecessary contamination of the working area.



Two variants of engine oil tanks are in circulation.

Variant 1:

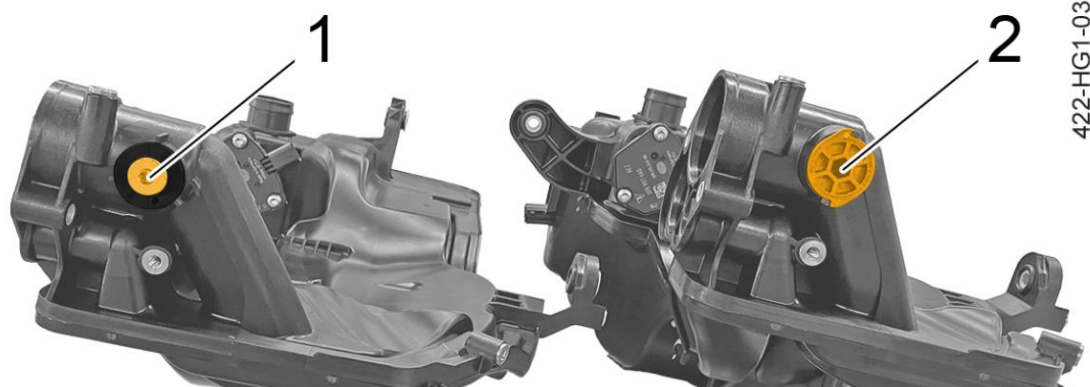
Oil tank with oil drain plug made of steel and with metric thread [1]

Variant 2:

Oil tank with oil drain plug made of plastic and bayonet lock [2]

NOTICE!

The **steel** oil drain plug should be opened when the engine is cold and only hand-tightened on the oil tank to prevent damage to the threaded insert at operating temperature.

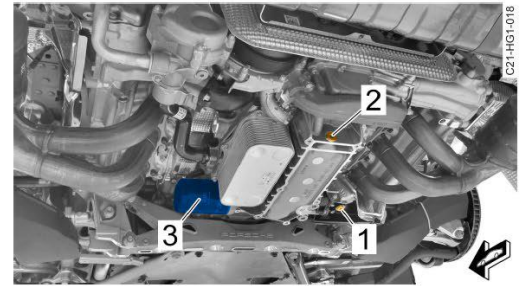


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- ✓ Engine switched off.
- ✓ Engine is cold [t_{mot}] < 25 °C.
- ✓ Rear lid is removed. See 4.5.9 Engine cover on page 462.
- ✓ Diffuser removed. See 4.5.16 Diffuser on page 480.

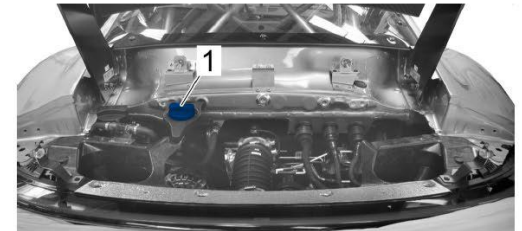
Oil drain plug variant 1

- ▶ Loosen the oil drain plug on the oil tank [1] and hand-tighten it again.

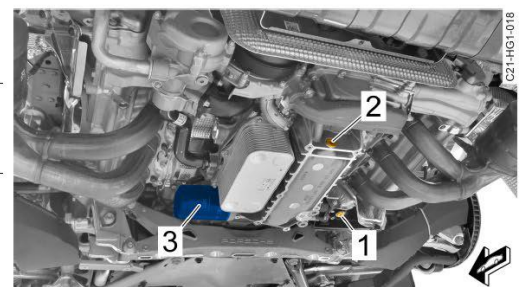


Both variants of oil drain plugs

1. Warm up the engine [tmot] = 85–90 °C.
2. Open the oil filler cap [1].



3. Remove the oil drain plug on the oil tank [1].
4. Drain the oil for approx. 5 minutes.
→ Catch the draining oil.
5. Remove the oil drain plug on the oil module [2].
6. Drain the oil for approx. 7 minutes.
→ Catch the draining oil.
7. Thread in and tighten a **new** oil drain plug on the oil module [2].



31 Nm

8. Switch on main switch [MAIN].

WARNING: Unintentional engine running!

- ▶ Ignition [IGNITION] remains switched off!
→ The engine may only rotate at starter speed!

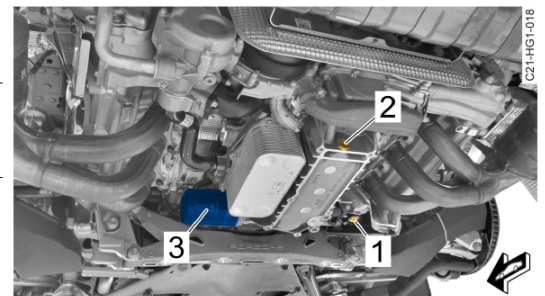
NOTE: Observe warning instructions and information on page 57!

9. Press the **ENGINE START** button and keep it pressed.
→ The engine rotates for approx. 3 seconds and stops automatically.
Release the button.
10. Wait approx. 10 seconds.
→ Oil supplied by the oil pump during the starting process runs off via the still open oil tank.
Collect the draining oil.
11. Proceed steps 10.–11. in total 6 times.

12. Switch off the main switch [MAIN].

13. Thread in and tighten the new oil drain plug [1] into the oil tank.
→ **Variant 1: 20 Nm**
→ **Variant 2:** Turn until stop (approx. 4.5 Nm)

14. Remove the oil filter [3].
15. Drain the oil for approx. 1 minutes.
→ Collect the draining oil.



16. Coat the gasket of the **new** oil filter with fresh engine oil and fit the oil filter [3].



Mobil 1 ESP X3
0W–40,
20 Nm



Mobil 1 ESP X3
0W–40

17. Fill in fresh oil with a volume equal to the volume of the drained oil + 0.25 l (oil filter volume).
18. Build up oil pressure, see 1.4.3 Building up engine oil pressure on page 61.
19. Start the engine and warm it up to operating temperature.
20. Check the engine oil level and top up, if required, see 1.4.4 Measuring the engine oil level on page 63.