

991 Oil Change

Tools needed: 36mm socket, 8mm hex key socket (allen wrench), ODB II scanner

Parts needed: Oil filter (948.107.222.00), crushable aluminum ring (900.123.106.30), 8 quarts Mobile1 0W-40

Picture 1 shows the plastic engine cover in place. First you pull out the plastic stiffener (Picture 2) from the air intake (this makes it easier to remove the plastic cover as the intake bellows is more flexible). Then you pop off the plastic engine cover. There are four fitting holding the top and four holding the bottom (Picture 3). These are plastic male fitting that pop into rubber grommets. Pull up on the cover at the top and start from right to left pulling them free one at a time. Then pull off the bottom four and the cover is free. Then move it out of the way. Then pull the two fans off (picture 4). There is one pop off fitting at the bottom (do that one first) and then it has two fittings at the top that pull out laterally. Finally, pull off the air intake (picture 5) that has just two pop off fittings. Everything just pops off no tools needed.

Now the filter is visible (Picture 6) and there is enough room to unscrew it (36 mm socket) pull off the top and remove the filter.

Remove the drain plug using an 8mm hex socket. Let oil drain for ten minutes. Replace drain plug (new plug is ideal, M18 x 1.5) with new crush washer. Torque to **37 ft-lb**.

Place new filter cartridge into housing. Grease rubber gasket on filter housing top and screw onto filter housing. Torque to **19 ft-lb**.

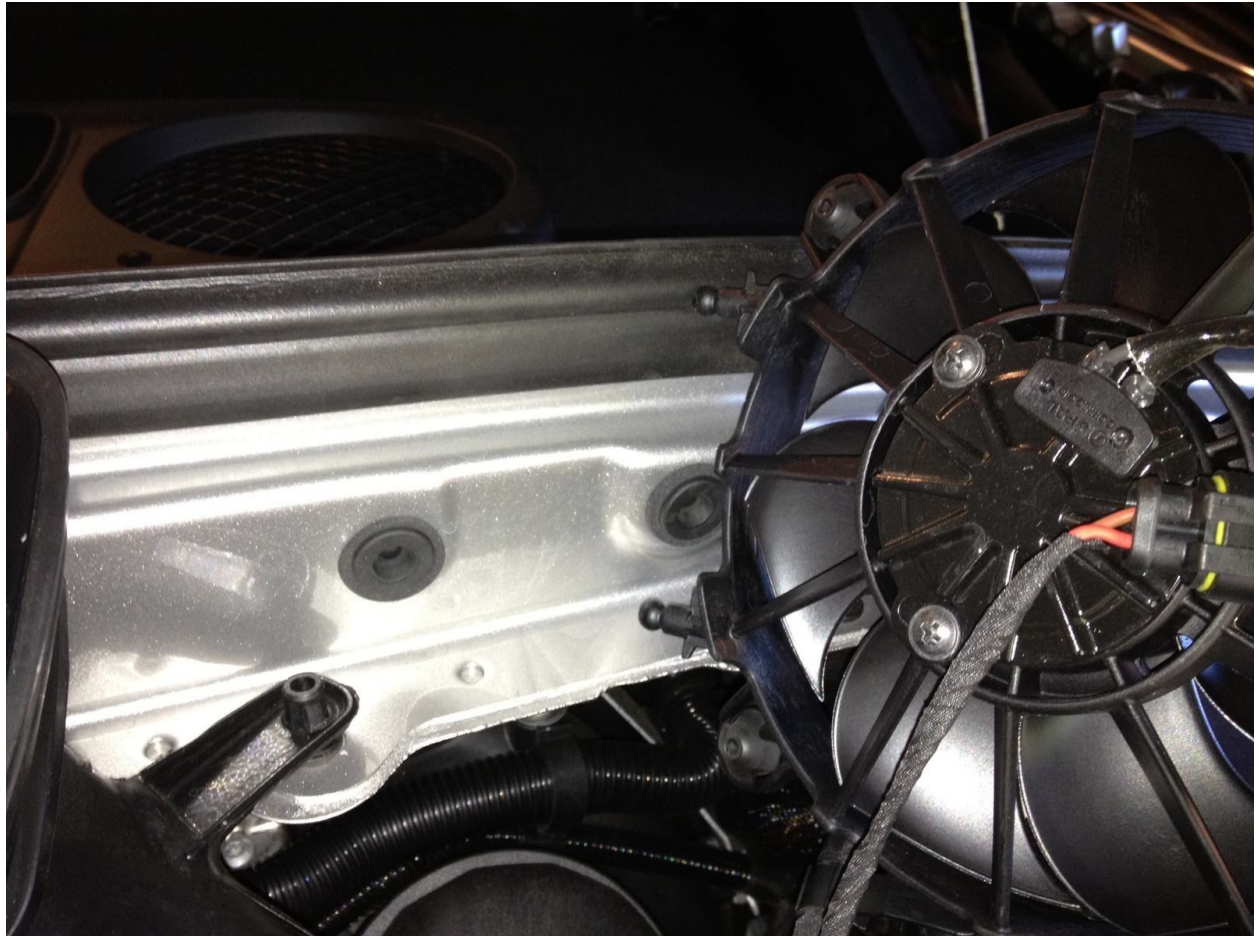
Fill with 7.5 quarts of Mobile1 0W-40.

Replace all intake and fan parts in reverse order of removal.

Start engine and check for leaks. At temp and on a level surface, check oil level using multifunction display on the dash.

Connect ODB II scanner to ODB II port inside driver side footwell. Reset oil service indicator.







**Oil drain plug to oil pan M18 x 1.5 – replace sealing ring
Tightening torque 50 Nm (37 ftlb.)**

**Oil filter cover Replace and grease O-ring
Tightening torque 25 Nm (19 ftlb.)**

**Engine oil change quantity Engine MA 103 / MA 104 Filling capacity with and
without filter 7.5 l**

Engine quantity for a new engine Engine MA 103/MA 104 Filling capacity 10.1 l

Draining engine oil

- Let the fluid cool down.
- Wear personal protective gear.

1. Extend the rear spoiler using the switch on the centre console (ignition on).
2. Open the cap on the service tray by turning it anti-clockwise.

Oil inlet cap and cover on plug

3. Unscrew the oil drain plug at the oil pan (a/f 8 hexagon socket) and drain the engine oil into a suitable container.
 - 3.1. Replace sealing ring.
4. After draining the engine oil, fit the oil drain plug with a new sealing ring.
 - Tightening torque: 50 Nm (37 ftlb.)
5. If the cap is damaged, it must be replaced.

Never use a sharp object to remove or fit the O-ring on the oil filter cover.
Do not scratch the sealing surface of the oil-filter housing.

The oil filter is in the engine compartment:

Change the oil filter

1. Remove engine-compartment blower.

2. Loosen the oil filter cover at the hexagon (a/f 27).

2.1. Cover adjacent components with clean cloths to prevent oil from dripping onto or into them.

3. Carefully remove the oil filter cover and wipe off residual oil with a cloth.

3.1. Pull the filter element -1- out of the housing using a cloth -2- and wrap it in the cloth.

Filter element

4. Lever off the old O-ring on the oil filter cover by using a plastic spatula.

5. Clean oil filter cover thoroughly inside and out.

5.1. Fit a new O-ring and grease lightly with Klüber Syntheso Glep (Part No. 000.043.204.68).

6. Clean the oil-filter housing -1- with a clean cloth.

Oil-filter housing

7. Fit new filter element - it can be fitted on either side.

8. Screw in the oil filter cover and tighten to the specified torque.

→ Tightening torque: 25 Nm (19 ftlb.)

9. Install engine-compartment blower.

Filling engine oil

1. Place a clean cloth over the generator and drive belt to catch any oil that overflows.

Caution - Incorrect oil level - Damage to engine and catalytic converter.

2. Slowly pour in new engine oil using a clean container or filler nozzle.

Observe the prescribed filling capacity!

Engine oil filling capacities:

→ Filling capacity with and without filter: 7.5 l

→ Filling capacity: 10.1 l

3. Screw on and tighten cap on the service tray.

4. Check engine-oil level.