

**Warning!****Risk of scalding!**

When carrying out repair work on the vehicle always wear oil- and heat-resistant protective gloves incl. forearm protection, face guard and protective apron.

**Caution!**

Carry out engine oil service only when the engine is at operating temperature.

It is essential to adhere to the exact capacities specified.

Overfilling the engine with engine oil will result in **engine damage**.

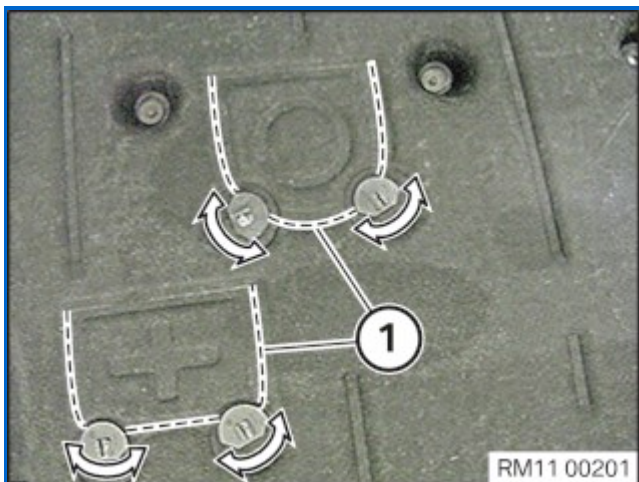
**Recycling:**

Catch and dispose of used oil in a suitable collecting vessel.

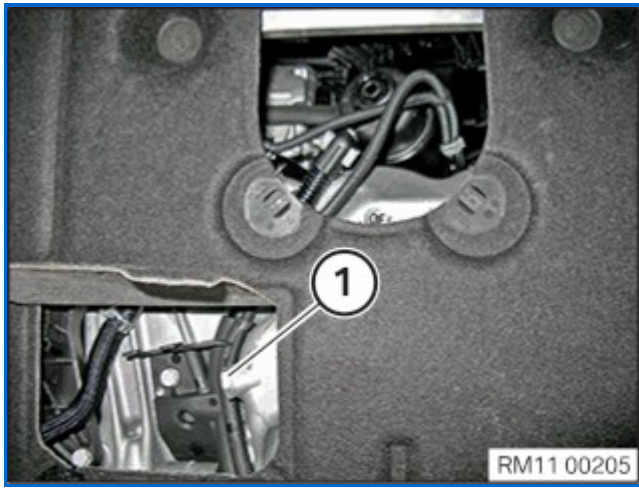
Observe country-specific waste disposal regulations.

**Necessary preliminary work:**

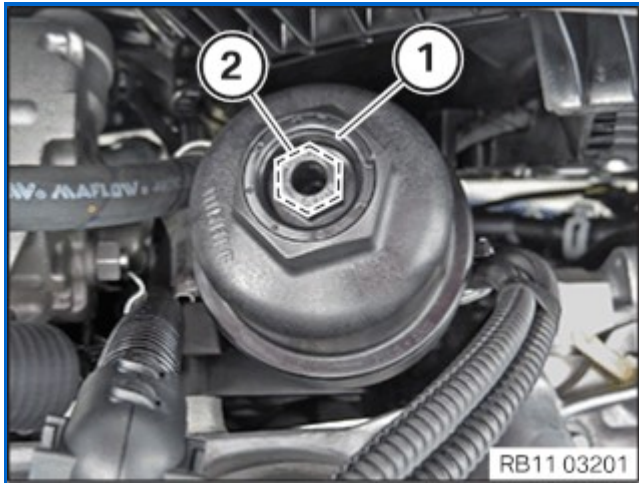
- Opening the oil filler cap

**REMOVAL:**

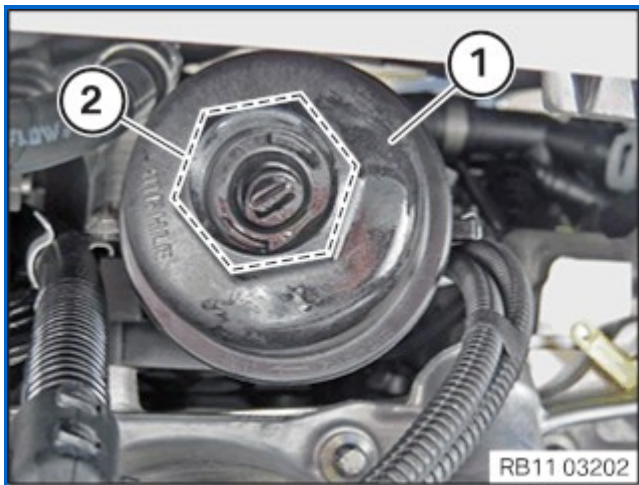
Open service flaps (1) in front underbody protection.



Remove oil drain plug (1).
Drain the engine oil.



Undo oil drain plug (1) at hexagon head (2).
Drain the engine oil.

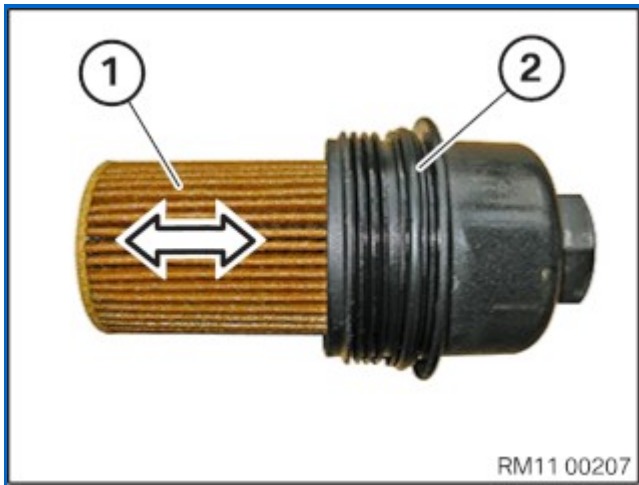
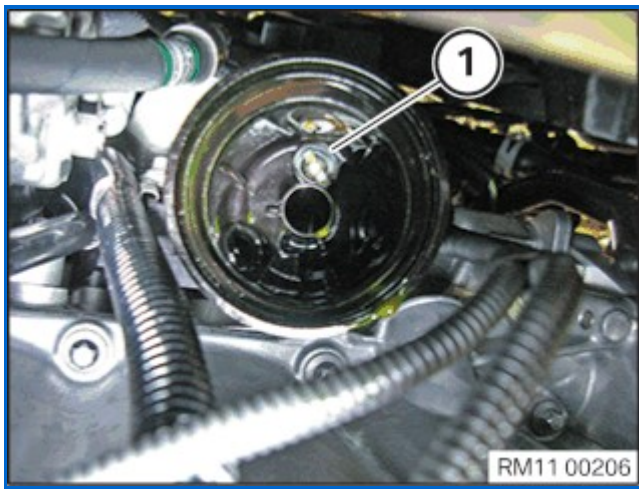


Undo oil filter cover (1) at hexagon head (2).



Installation:

Check the freedom of movement of the non-return valve (1).



Renew oil filter (1).

Parts: Oil filter (1).

Ensure that the oil filter (1) engages audibly.

Renew O-ring (2) and coat with engine oil.

Parts: O-ring (2).



Replace screw with O-ring (1)

Parts: Screw with O-ring (1).

Wet the O-ring (1) with engine oil.

The thread (1) must be cleaned before installation without fail with original BMW brake cleaner (part number: 83 19 2 365 214).

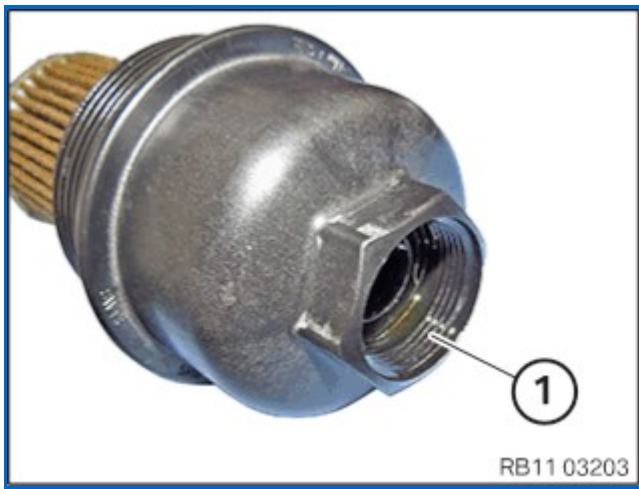
The thread must be completely free of engine oil!

Caution!

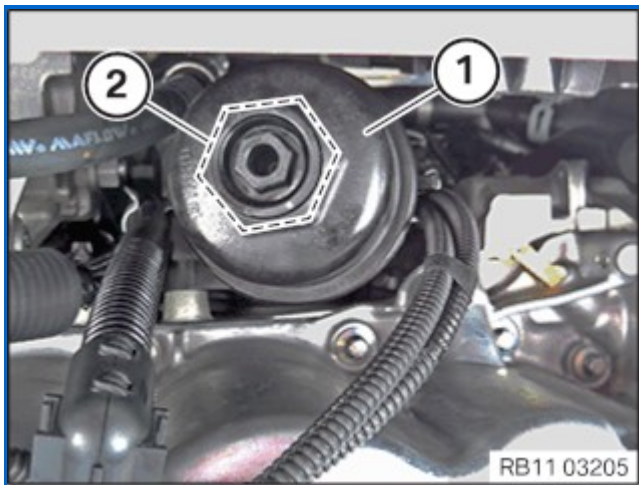
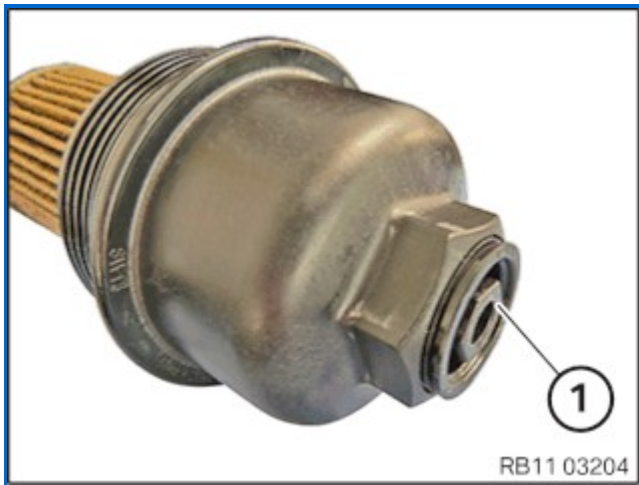
Risk of damage!

Elastomers (O-rings) may not touch brake cleaner!

Let the brake cleaner dry completely, if necessary blow dry with compressed air.



Oil drain plug (1).



Install oil filter cover (1) and tighten at hexagon head (2).

Tightening torque: [11 42 1AZ](#).

Tighten oil drain plug (1) at hexagon head (2).

Tightening torque [11 42 2AZ](#).

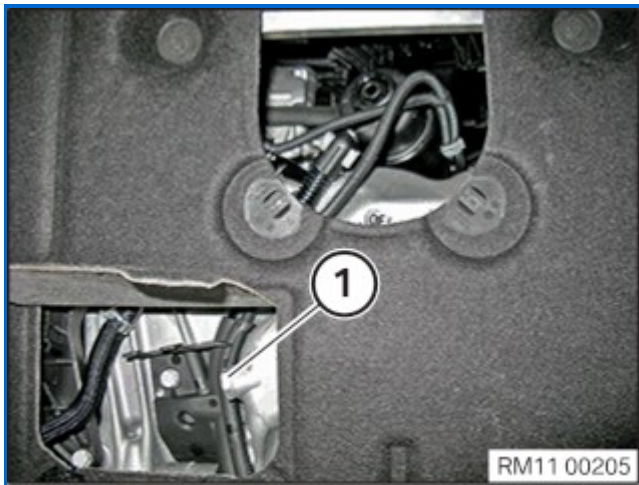


Renew the sealing ring.

Part: Sealing ring.

Tighten oil drain plug (1) of oil sump.

Tightening torque: [11 13 1AZ](#).



Pour in [engine oil](#).

Close oil filler cap .

Recommendation: Checking oil level:

- Vehicle horizontal
- Start engine and run at idle until oil pressure indicator light goes out
- Switch off engine
- Read off engine oil level in instrument cluster or on control display

Check oil filter cover and oil drain plug of the oil sump for tightness.

Close service flaps (1) in front underbody protection.

