

Engine oil: filling, checking oil level



WARNING

Warnings for high-voltage system:

Work that must be performed with the ignition switched off
→ **Chapter.**

Work that must be performed with the ignition switched on
→ **Chapter.**



Note

Please observe the engine oil capacities and oil grades listed in the maintenance table.



WARNING

Use only engine oil with the specification VW 507 00 on vehicles equipped with diesel particulate filter.

- Observe the following conditions before checking the oil level:

All engines except V6 diesel engines and V8 petrol engines:



Note

- ◆ Engine oil temperature at least 60 °C.
- ◆ Wait a few minutes after switching off the engine to allow the oil to flow back into the sump.
- ◆ Vehicle must be level (horizontal).

V6 diesel engines:



Note

- ◆ The engine must be at operating temperature (90 °C oil temperature).
- ◆ Wait approx. two minutes after switching off the engine to allow the oil to drain back into the sump.
- ◆ Vehicle must be level (horizontal).

V8 petrol engines:



Note

- ◆ The engine must be at operating temperature (90 °C oil temperature).
- ◆ Allow engine to run at idling speed for approx. 1 minute.
- ◆ Switch off the engine and wait approx. 5 minutes (to allow oil to flow back slowly in cylinder head).
- ◆ Check engine oil level within 1 minute.
- ◆ Vehicle must be level (horizontal).

Engines with turbocharger

- When the engine oil and oil filter have been changed, it is important to note the following after starting the engine for the first time:
 - ◆ The engine must only run at idling speed as long as the oil pressure warning lamp in the dash panel is on. Do not rev up! If the engine is revved up the turbocharger can be damaged or fail completely.
 - ◆ The full oil pressure is not attained until the warning lamp has gone out, only then can the engine be revved up.

Checking oil level with dipstick → **Chapter**

Checking oil level on oil level display → **Chapter**

Checking oil level using oil gauge tester → **Chapter**

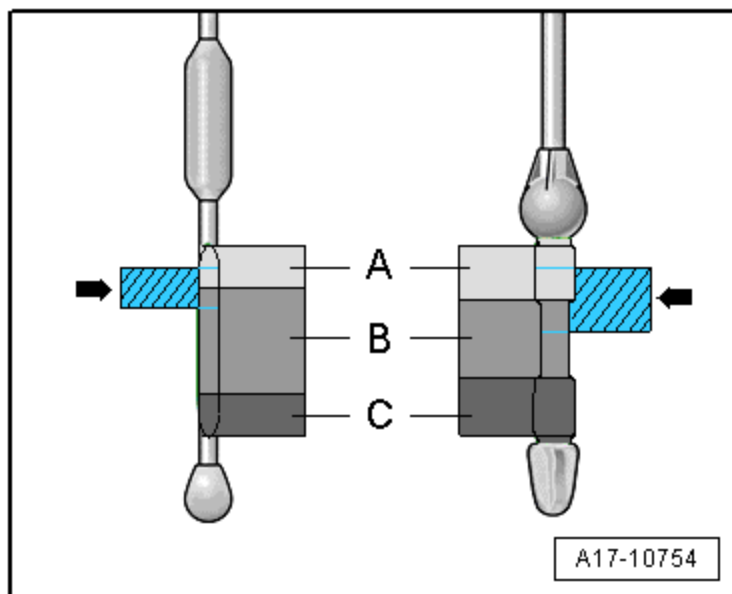
Checking oil level with dipstick

- Pull out dipstick, wipe with a clean cloth and insert again as far as it will go.
 - Pull out dipstick again and read off oil level.
- A - Oil must not be topped up.
 B - Oil can be topped up.
 C - Oil must be topped up.
- The oil level should be in the marked area -arrow-.



Caution

The catalytic converter can be damaged if the oil level is above the marking -A-.



Checking oil level on oil level display

- On the MMI, select function selector button "CAR" and menu option "Oil level".
- Read oil level off display.

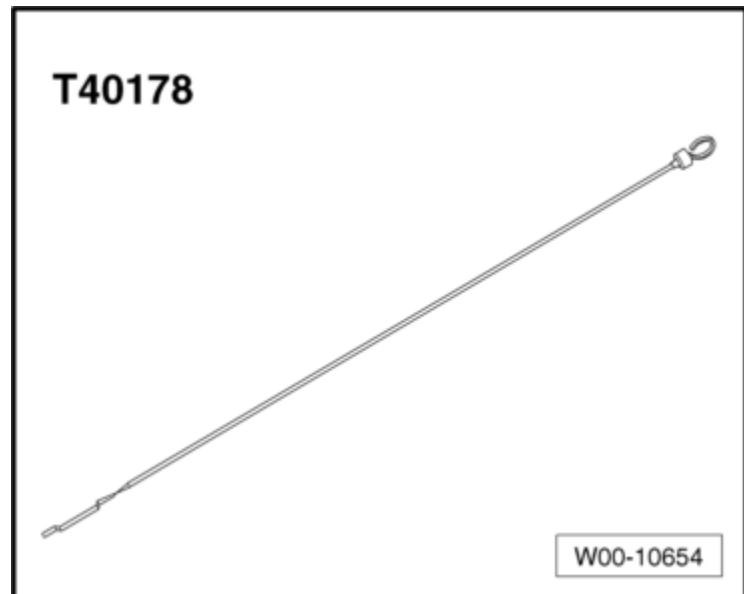
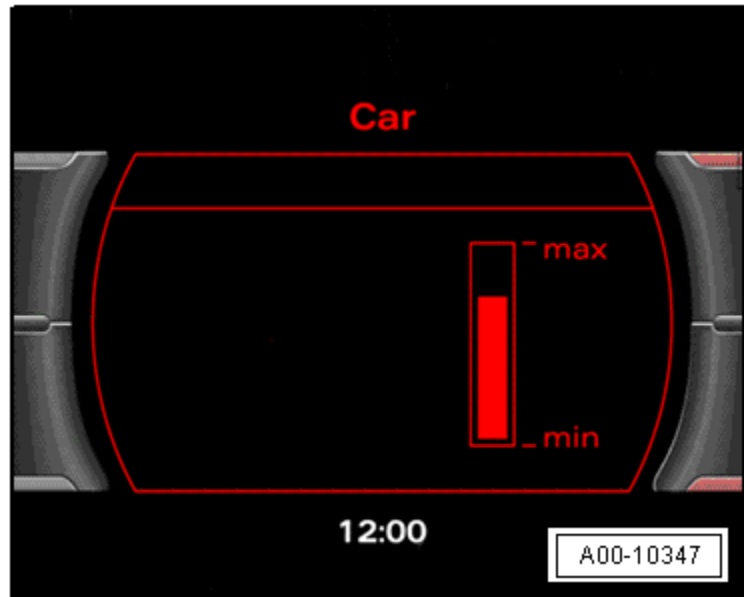
- If necessary, top up engine oil until bar in oil level display is close to "max".

**Note**

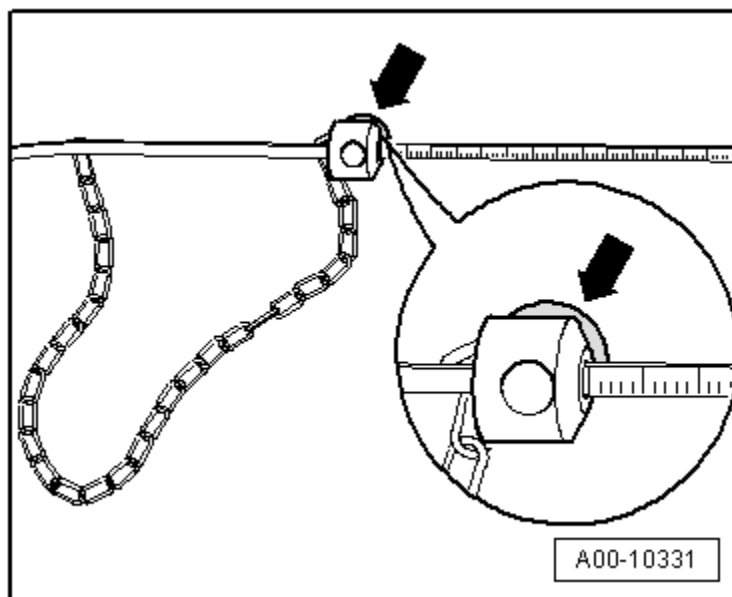
- ◆ *The oil level display is intended solely for information purposes. An oil level warning will appear in the instrument cluster if the oil level is too low.*
- ◆ *If the bonnet has been opened, the current oil level will be shown in the instrument cluster the next time the ignition is switched on.*

Checking oil level using oil gauge tester**Special tools and workshop equipment required**

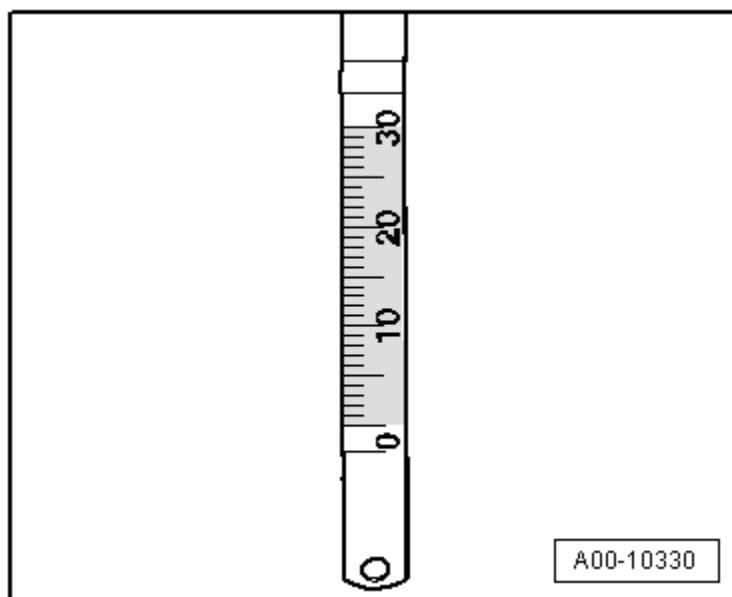
- ◆ Test tool for oil level display -T40178-



- Loosen the knurled screw and move the adjuster ring on the top scale of the test tool for oil level display -arrow- so that the lower side of the ring coincides with the appropriate value from the table.



- Insert the test tool for oil level display all the way into the oil dipstick tube so that the adjuster ring contacts the stop. Then pull out the tool and read off the oil level.
- Read off the value on the bottom scale.



Engine	Setting of adjuster ring at top of scale	Minimum oil level on bottom scale	Maximum oil level on bottom scale
2.0 TDI	46	0	24
3.0 ltr. TDI (Type 1 → Anchor)	32	0	16
3.0 ltr. TDI (Type 2 → Anchor)	87	0	12
2.0 ltr. TFSI (Type 1 → Anchor)	39	0	24
2.0 ltr. TFSI (Type 2 → Anchor)	32	0	27

3.0 ltr. TFSI (Type 1 → Anchor) 3.2 ltr. TFSI	132	0	13
3.0 ltr. TFSI (Type 2 → Anchor)	123	0	22

Type allocation, 3.0 ltr. TDI engines:

- Only type 1 engines were fitted up to and including model year 2012.
- From model year 2013 onwards, engine codes CCWA and CCWB are allocated to type 1 engines. The values for type 2 engines apply to all other engine codes.

Type allocation, 2.0 ltr. TFSI engines:

- Only type 1 engines were fitted up to and including model year 2012.
- From model year 2013 onwards, engine codes CDNB, CDNC and CHJA are allocated to type 1 engines. The values for type 2 engines apply to all other engine codes.

Type allocation, 3.0 ltr. TFSI engines:

- Type 2 only applies for China.