

Model: X5 sDrive40i

Development code: G05

Model code: CR43

Lead type: CR43

[Engine oil service](#) »

Removing the acoustic cover

REP-TAT-P-1112-01-G05_B58

WARNING

Hot surfaces.

Risk of burning!

- Perform all work only on components that have cooled down.

RISK OF DAMAGE

Damage to the acoustic cover / design cover.

Jerky movements during disassembly and application of excessive force during installation may result in breakage of the acoustic cover / design cover.

- Disassemble or mount the acoustic cover / design cover carefully.
- Disassemble or mount snap-lock couplings of the ball pivots one after the other.
- Disassemble or mount the acoustic cover / design cover only at temperatures > 20 °C.
- Use only distilled water as an auxiliary material during installation, no lubricants.



- Release the acoustic cover (1) upwards out of the rubber mounts (markings).

Model: X5 sDrive40i

Development code: G05

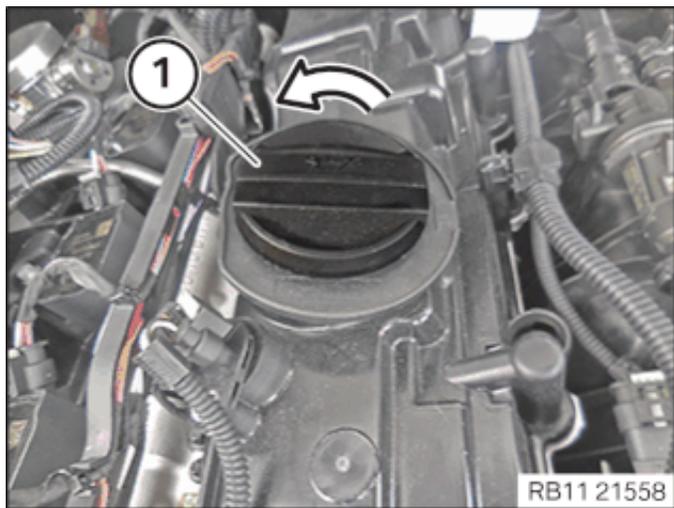
Model code: CR43

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[Engine oil service](#) »

Removing the oil filler cap

REP-TAT-P-1112-01-G05_B58_1



- Open the oil filler cap (1) in the arrow direction.

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[Engine oil service](#) »

Removing the oil filter element

REP-TAT-P-1142-01-G05_B58

⚠ WARNING

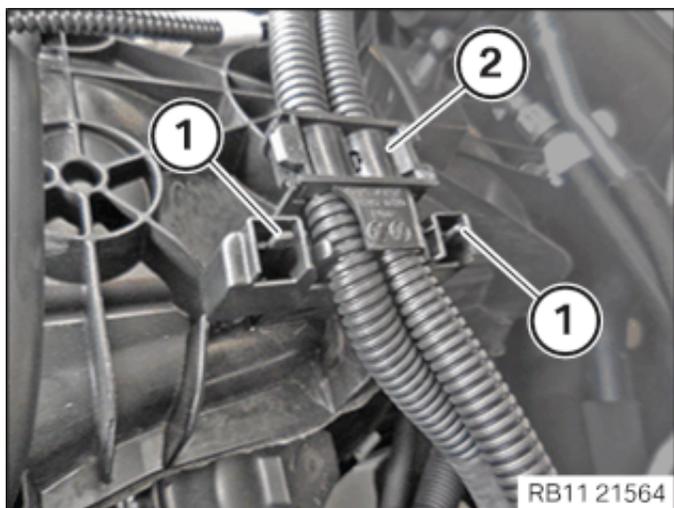
Hot surfaces.

Risk of burning!

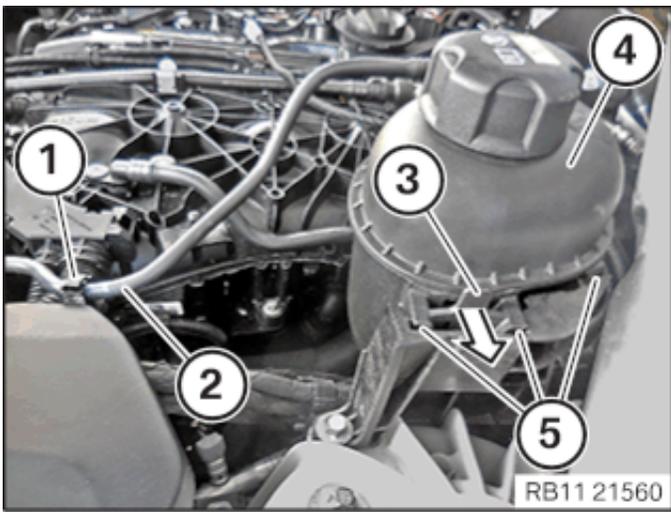
- Perform all work only on components that have cooled down.

i TECHNICAL INFORMATION

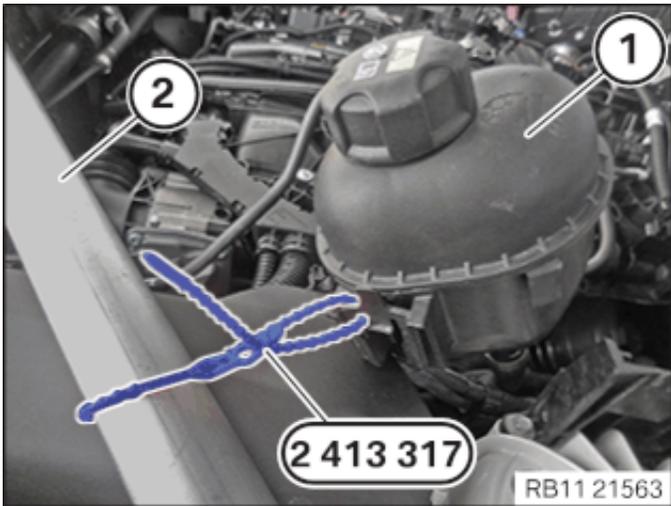
Collect and dispose of emerging fluids. Observe country-specific waste disposal regulations.



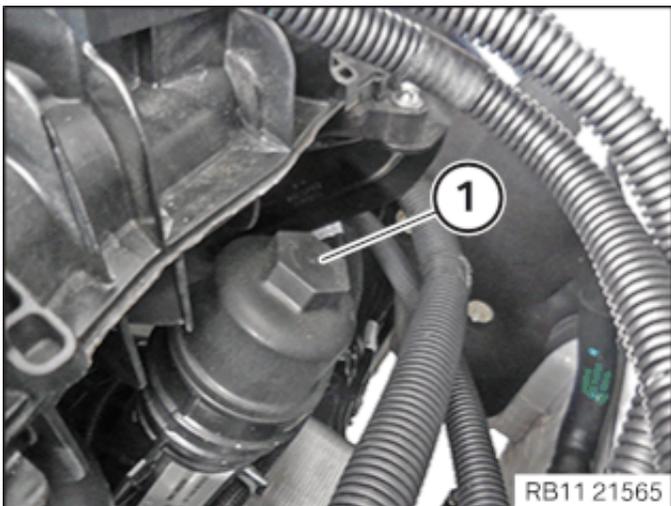
- Unlock and loosen the locks (1).
- Thread out the wiring harness section (2) for the injectors and ignition coils and set aside.



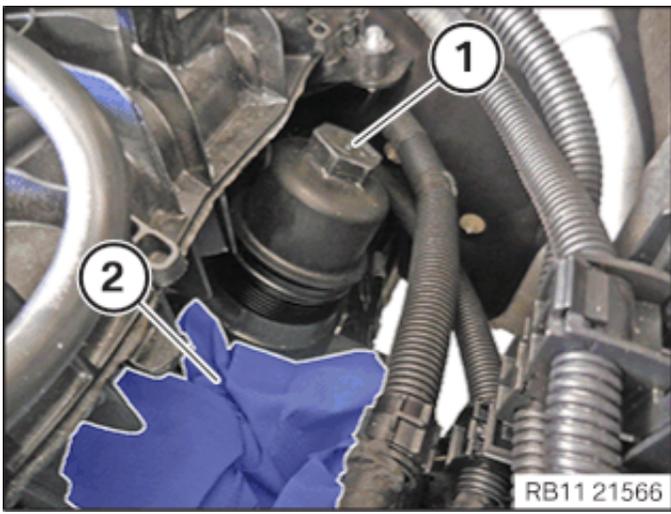
- Unlock and loosen clamp (1).
- Feed out coolant line (2) and place to one side.
- Release lock (3) arrow direction.
- Feed the low-temperature coolant expansion tank(4) upwards out of the guides(5) and set aside.
- Make sure the coolant line (2) **is not** damaged.



- Secure the low-temperature coolant expansion tank(1) with the special tool **2 413 317** on the left front-end strut(2).



- Release the oil filter cover (1) with standard tools.



- Guide out and remove the oil filter cover (1) with oil filter element.
- Collect the leakage motor oil using a lint-free cloth (2) as needed.

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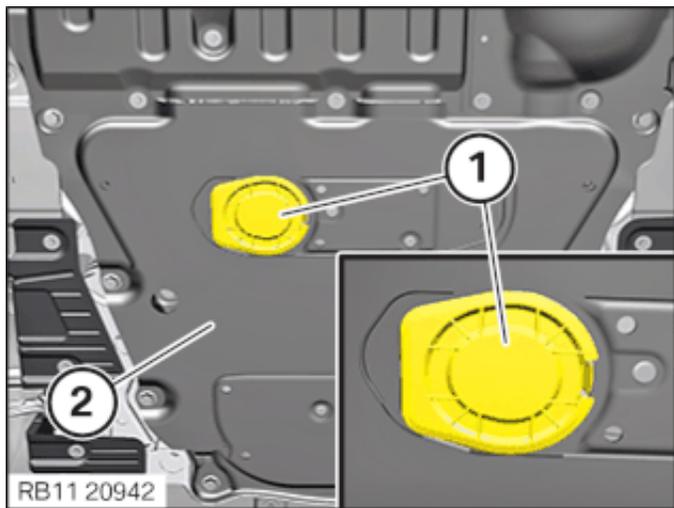
Model code: CR43

Lead type: CR43

[Engine oil service](#) »

Opening the service flap in the thrust field

REP-TAT-P-5147-06-G05_B58



- Unlock and open the service flap (1) in the thrust field (2).

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Development code: G05

Model code: CR43

Lead type: CR43

[Engine oil service](#) »

Releasing the oil drain plug

REP-TAT-P-1113-01-G05_B58

WARNING

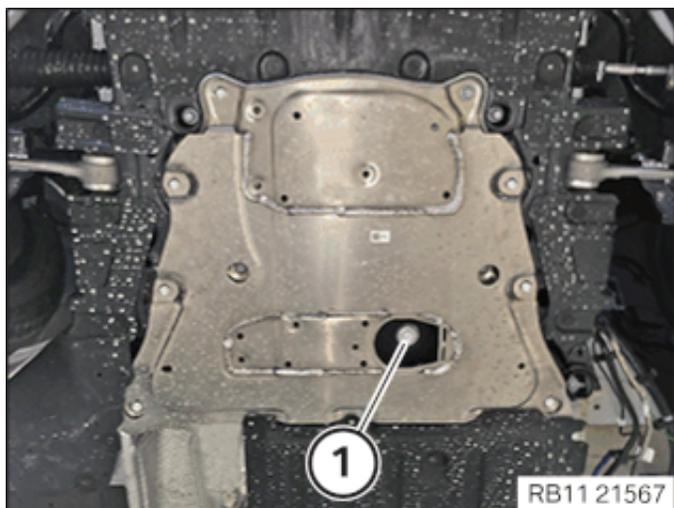
Hot fluids.

Risk of scalding!

- Conduct all work in the vehicle wearing appropriate personal protective equipment only.

TECHNICAL INFORMATION

Catch and dispose of drained motor oil in a suitable collecting vessel. Observe country-specific waste disposal regulations.



- Release oil drain plug (1).
- Allow the motor oil to drain out fully.

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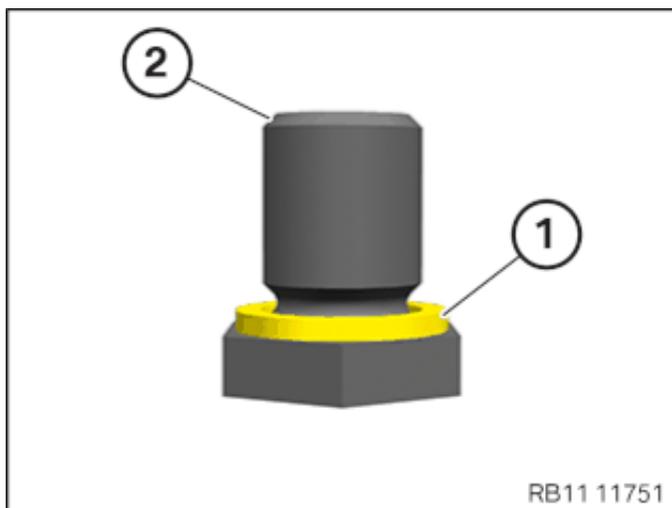
Model code: CR43

Lead type: CR43

[Engine oil service](#) »

Tightening the oil drain plug

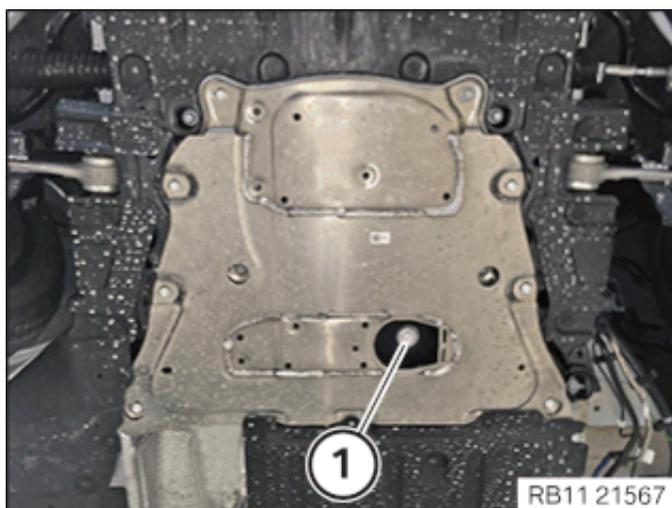
REP-TAT-P-1113-02-G05_B58



- Renew the sealing ring (1) at the oil drain plug (2).

Parts: Sealing ring

- Insert and install sealing ring (1) at oil drain plug (2).



- Insert and install oil drain plug (1).

- Tighten oil drain plug (1).

Tightening torques

Oil drain plug

M12x16
Renew the sealing
ring.

Tightening torque
25Nm

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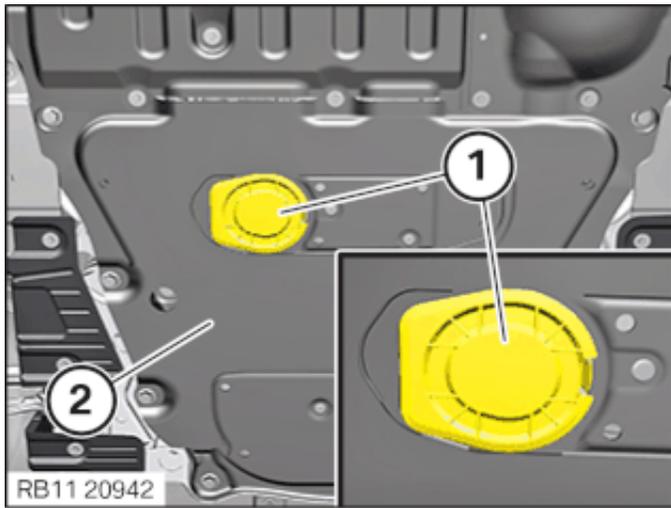
Model code: CR43

Lead type: CR43

[Engine oil service](#) »

Closing the service flap in the thrust field

REP-TAT-P-5147-07-G05_B58



- Close and lock the service flaps (1) in the thrust field (2).

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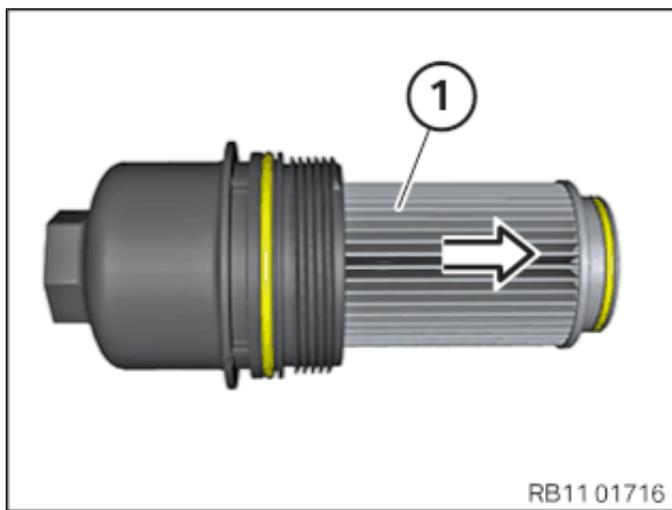
Model code: CR43

Lead type: CR43

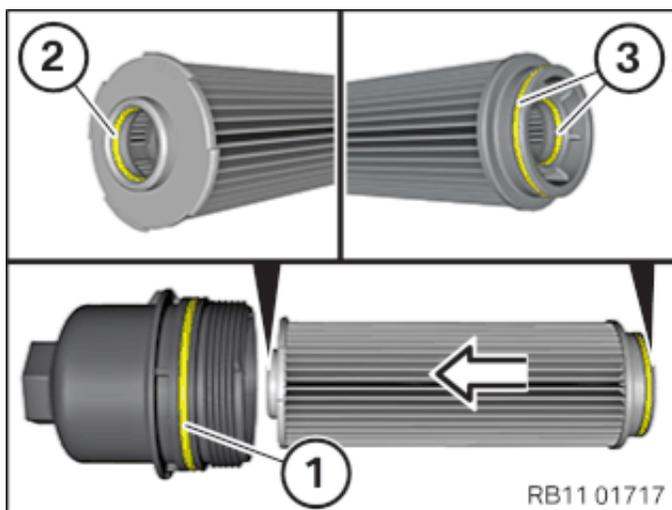
[Engine oil service](#) »

Replace oil filter element

REP-TAT-P-1142-25-G05_B58



- Release the oil filter element (1) from the oil filter cover in the arrow direction.



- Renew O-ring (1) and coat with motor oil.

Parts: O-ring

- Coat O-ring (2) with engine oil.
- Coat both O-rings (3) with motor oil.
- Slide the oil filter element into the oil filter cover (1).
The oil filter element must snap audibly into place.

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Development code: G05

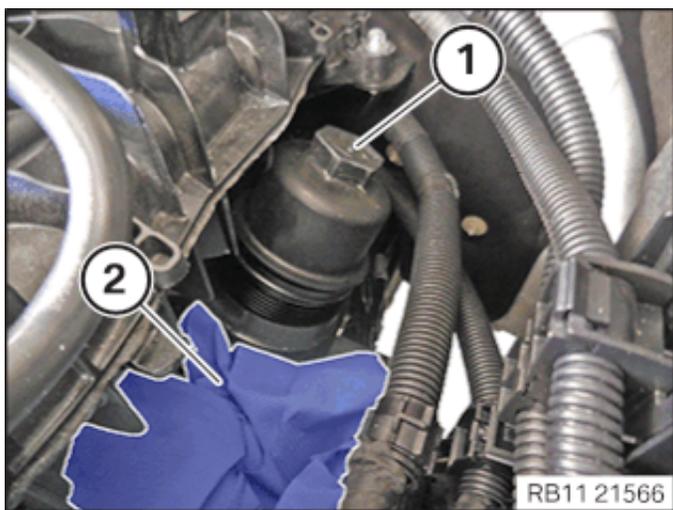
Model code: CR43

Lead type: CR43

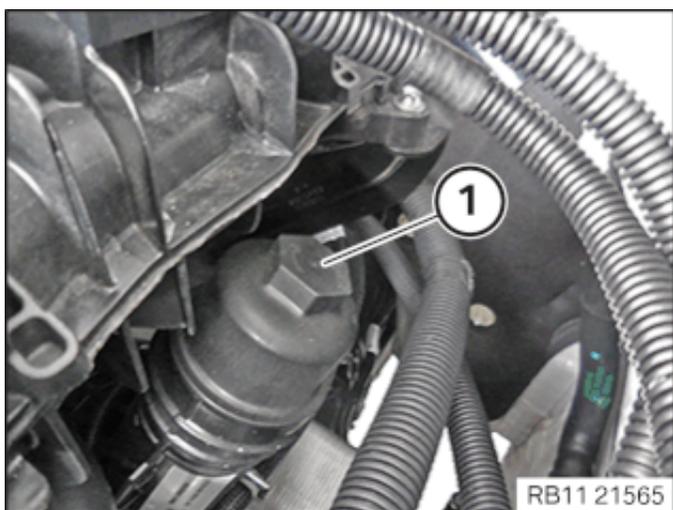
[Engine oil service](#) »

Installing the oil filter element

REP-TAT-P-1142-02-G05_B58



- Feed in and install the oil filter cover (1) with the oil filter element.
- Remove the lint-free rag (2).



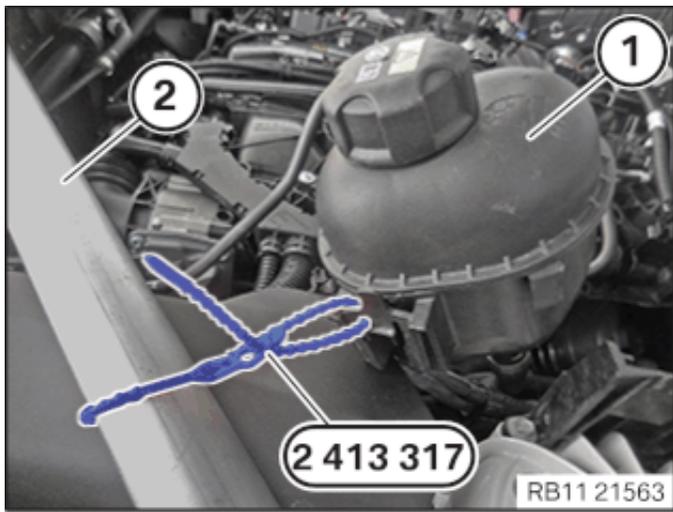
- Tighten the oil filter cover (1).

Tightening torques

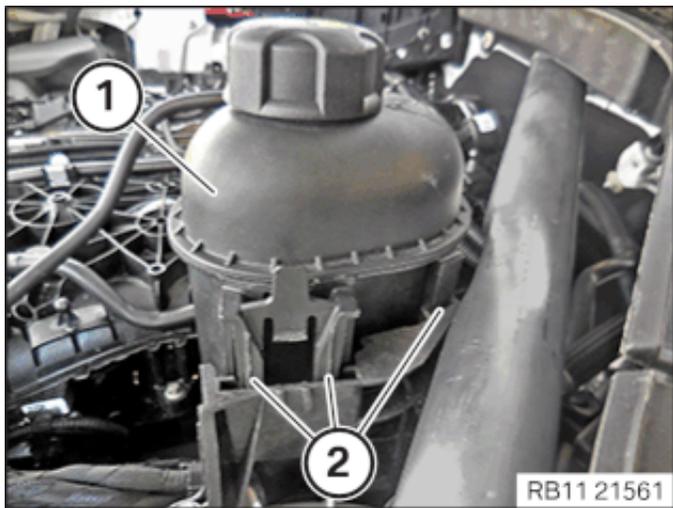
Oil filter cover to oil filter module

O-ring lightly oiled.

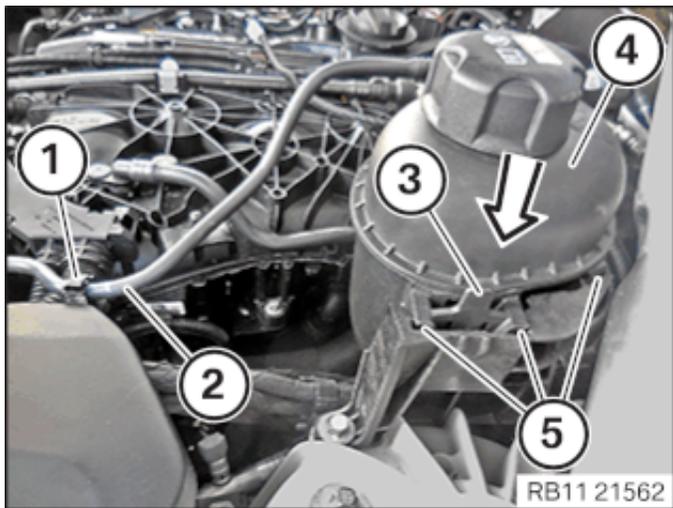
Tightening torque
25Nm



- Feed out and remove special tool **2 413 317** between the front-end strut (2) and the low-temperature coolant expansion tank (1).



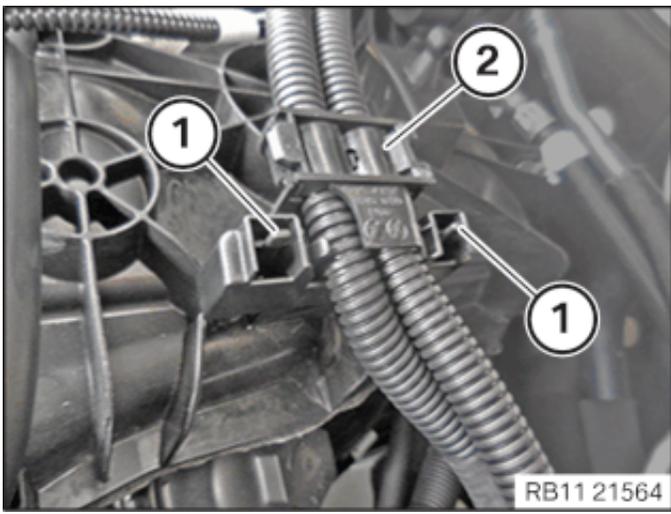
- Position the low-temperature coolant expansion tank (1) **correctly** in the guides (2).



- Feed in the low-temperature coolant expansion tank (4) in **the direction of the arrow** in the guides (5) and install it.

The locking mechanism (3) must engage audibly.

- Feed in and install coolant line (2).
- Secure clamps (1).



- Insert and install the wiring harness section (2) for the injectors and ignition coils.
- Ensure that the locking mechanisms (1) engage audibly.

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[Engine oil service](#) »

Filling engine oil

REP-TAT-P-1100-04-G05_B58



RISK OF DAMAGE

Damage on the petrol particulate filter.

Vehicles that are equipped with a petrol particulate filter must be operated with low-ash engine oil.

- Only use engine oils approved by BMW for the respective engine.
- For additional information see: Overview of technically suitable engine oils for BMW Group engines.



RISK OF DAMAGE

Engine damage caused by excessively filling the engine with motor oil.

Filling an excessive quantity of motor oil may cause engine damage.

- Observe the exact motor oil filling capacity.
- Allow engine oil to drip off when draining.

- Pour in engine oil.

Technical data

Motor oil B58B30M1/B58B30O1

**Filling capacity,
engine oil change
with oil filter
element,
B58B30M1rear-
wheel drive**

6.50 l

**Filling capacity,
engine oil change
with oil filter
element,
B58B30M1all-
wheel drive**

6.50 l

**Filling capacity,
engine oil change
with oil filter
element,
B58B30O1rear-
wheel drive**

6.50 l

**Filling capacity,
engine oil change
with oil filter
element,
B58B30O1all-
wheel drive**

7.20 l

Model: X5 sDrive40i

Development code: G05

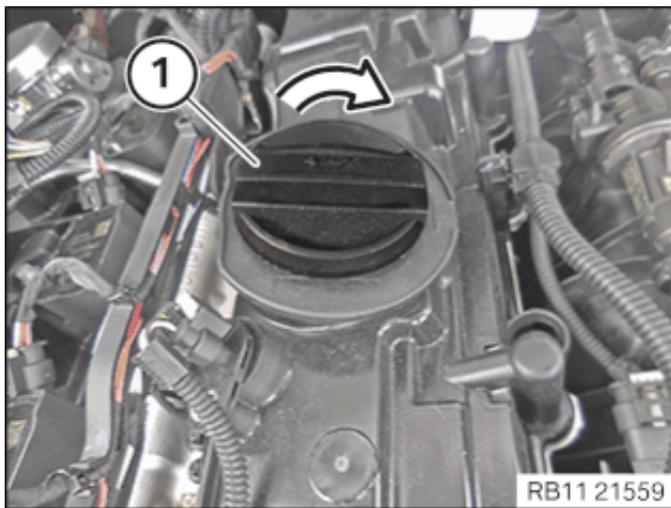
Model code: CR43

Lead type: CR43

[Engine oil service](#) »

Opening the oil filler cap

REP-TAT-P-1112-02-G05_B58_1



- Close the oil filler cap (1) in the arrow direction.
- Make sure the oil filler cap (1) engages audibly.

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[Engine oil service](#) »

Recommendation: Carrying out an electronic oil measurement

REP-TAT-P-1100-05-OTTO_1

Precondition

Vehicle in horizontal position.

i TECHNICAL INFORMATION

Please comply with instructions in Owner's Manual.

- Carry out an electronic oil measurement.
- Top up motor oil if necessary.

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[Engine oil service](#) »

Installing acoustic cover

REP-TAT-P-1112-02-G05_B58

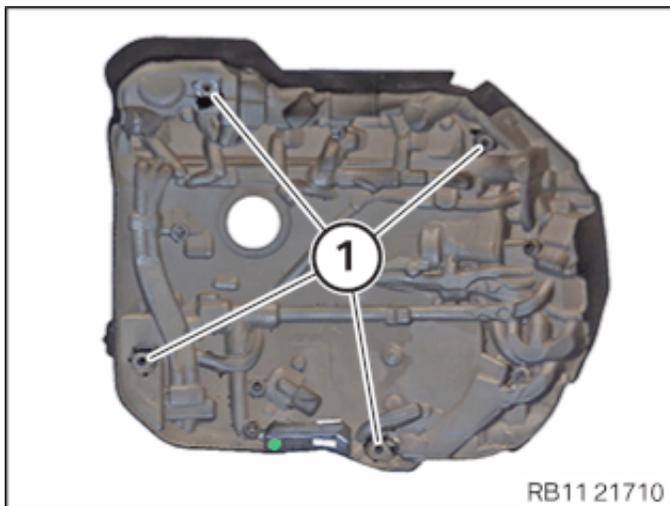


RISK OF DAMAGE

Damage to the acoustic cover / design cover.

Jerky movements during disassembly and application of excessive force during installation may result in breakage of the acoustic cover / design cover.

- Disassemble or mount the acoustic cover / design cover carefully.
- Disassemble or mount snap-lock couplings of the ball pivots one after the other.
- Disassemble or mount the acoustic cover / design cover only at temperatures > 20 °C.
- Use only distilled water as an auxiliary material during installation, no lubricants.



- Check the rubber mount (1) for a correct seat of the acoustic cover.



- Install the acoustic cover (1) and fasten it in the rubber mounts (marks).

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[Engine oil service](#) »

Perform the CBS reset

REP-TAT-P-0000-23-7

Precondition

Maintenance work is performed.

On-board date is set correctly.

No CC message is present.

Remaining distance or remaining service life of the service interval is below 90%.

i TECHNICAL INFORMATION

The CBS maintenance work can be reset in the car. In general, however, the reset of CBS functions (CBS reset) with the diagnostic system is recommended.

It is only possible to code the country-specific statutory intervals with the diagnostic system.

i TECHNICAL INFORMATION

Information for the occurrence of a failed CBS reset:

For front/rear brake service:

- A CBS reset is possible in the vehicle only with a sanded brake pad wear sensor (CBS display in the CID, active).

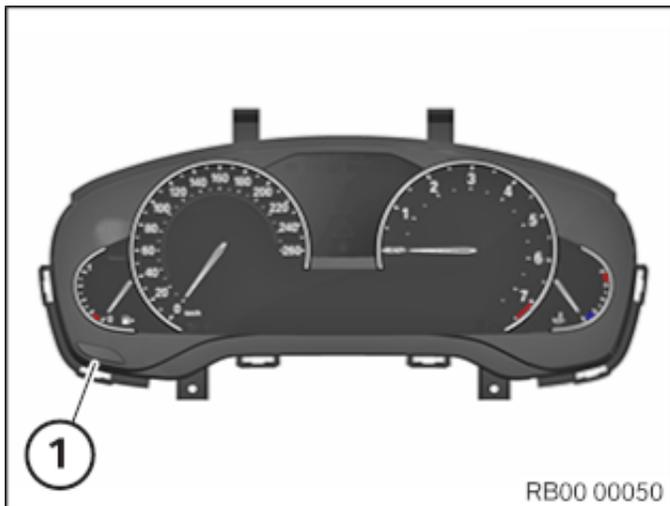
- In case of a brake pad wear sensor that is not sanded, (no CBS display in the CID) a CBS reset is possible only with the diagnostic system.

Other known causes of CBS reset problems:

- Parking brake applied.
- Brake pedal applied.
- Automatic Hold function activated.

i TECHNICAL INFORMATION

The reset procedure (CBS reset) is canceled due to a timeout or a terminal change.



- **Equipment specification with the reset button for the trip odometer in the instrument cluster (KOMBI)**

Generate PWF status "Residing".

Generate PWF status "PAD": For this purpose, press the START-STOP button three times.

Press trip distance recorder reset button (1) for approx. 10 s, until the 1st maintenance work appears on the display.

The next position is reached by briefly pressing the trip distance recorder reset button (1) again.

Select the desired service job.

If a CBS reset is possible, "Reset possible" is displayed in the instrument cluster (KOMBI).

Confirm the "Perform reset?" text message. In addition, press the trip distance recorder reset button (1) for 3 s.

The CBS reset is confirmed as "Reset successful" after completion.



- **Equipment specification without the reset button for the trip odometer in the instrument cluster (KOMBI)**

Generate PWF status "Residing".

Generate PWF status "PAD": For this purpose, press the START-STOP button three times.

Press on-board computer button on the turn signal/high beam lever (1) for approx. 10 s, until the 1st maintenance work appears on the display.

The next position is reached by briefly pressing the on-board computer button on the turn signal/high beam lever (1) again.

Select the desired service job.

If a CBS reset is possible, "Reset possible" is displayed in the instrument cluster (KOMBI).

Confirm the "Perform reset?" text message. Press the onboard computer button on the turn signal/high beam lever for (1) 3 s.

The CBS reset is confirmed as "Reset successful" after completion.

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Lead type: CR43

[Engine oil service](#) »

Renew battery of the remote control key(s)

REP-TAT-P-0000-25-1

- Renew the battery of the remote control key(s).

Parts: Battery of the radio remote control(s)

► **In case of shorter oil service intervals: Renew battery of the remote control key(s)**

i TECHNICAL INFORMATION

For vehicles with shortened oil change interval SA8KM, SA8KL and SA8KP: the batteries of all radio remote control(s) must be renewed at every 2nd engine oil service.

- Renew the battery of the radio remote control(s) at every second engine oil service.

Parts: Battery of the radio remote control

