

BMW Group - AIR: 2022-10-22 / 00:12

Dealer: 32711/06

Model: M240i

Development code: G42

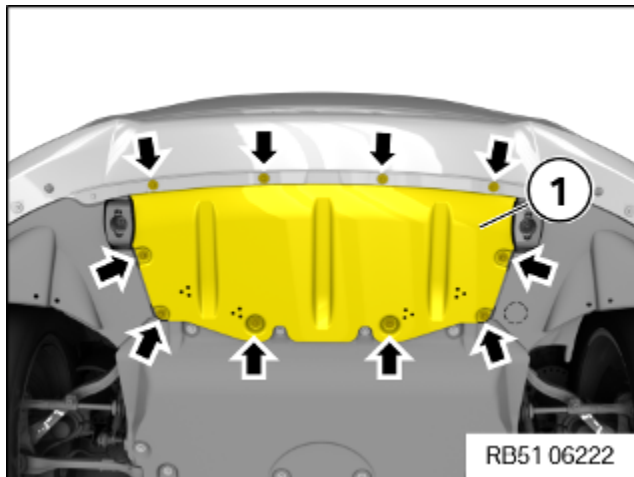
Model code: 41CM

Lead type: 41CM

Removing and installing/replacing engine oil cooler »

Preliminary work

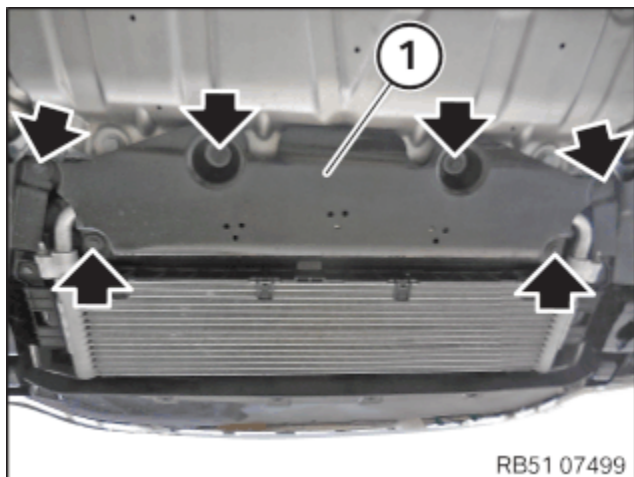
Removing the front underbody protection



- **Version A:**

Remove screws (arrows).

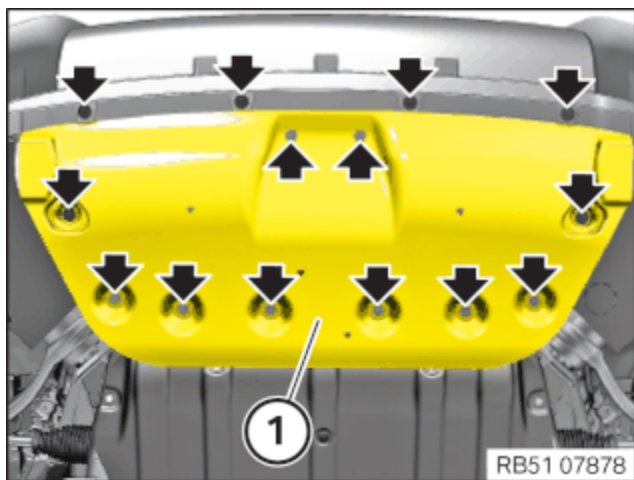
Feed the front underbody protection (1) towards the rear out of the bumper cover.



- **Version B:**

Remove screws (arrows).

Feed out and remove the front underbody protection (1).



- **Version C:**

Remove screws (arrows).

Guide out and remove the front underbody protection (1).

Main Works

Remove the engine oil cooler

WARNING

Hot surfaces.

Risk of burning!

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

WARNING

Hot fluids.

Risk of scalding!

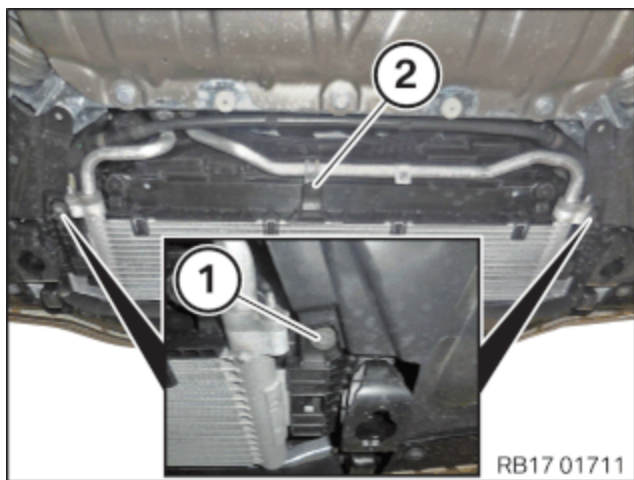
- Conduct all work in the vehicle wearing appropriate personal protective equipment only.

TECHNICAL INFORMATION

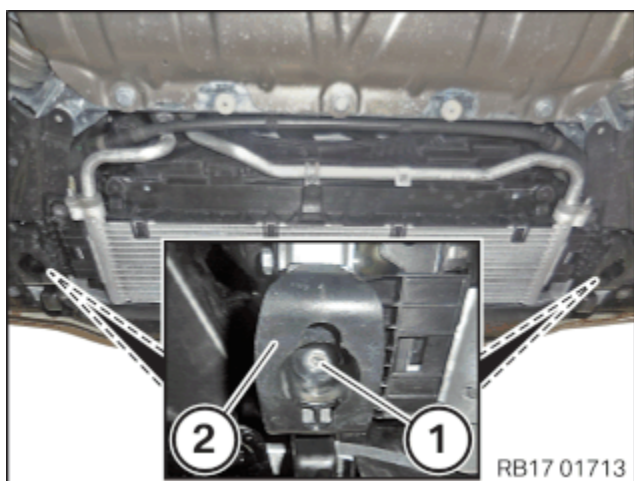
The work must be performed with vehicle care to prevent component damage.

TECHNICAL INFORMATION

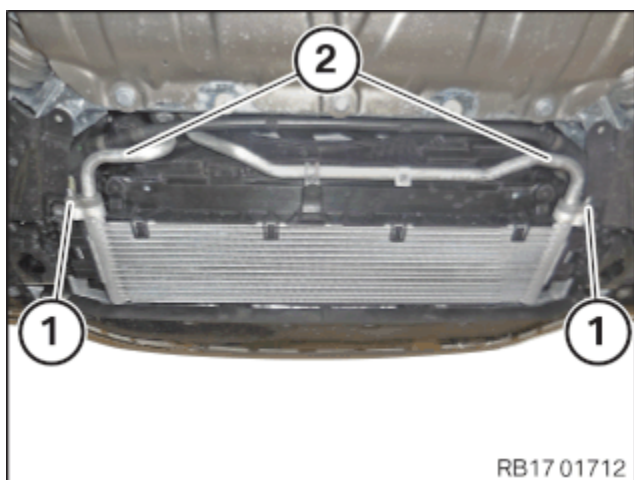
Collect and dispose of emerging fluids. Observe country-specific waste disposal regulations.



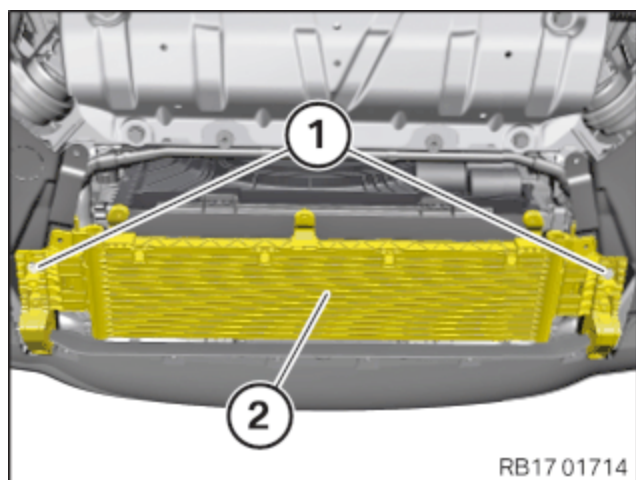
- Loosen screws (1).
- Loosen screw (2).



- Drill out the rivet (1).
- Remove the damper (2).



- Loosen nuts (1).
- Disconnect the lines (2).
- Collect and dispose of emerging fluids.

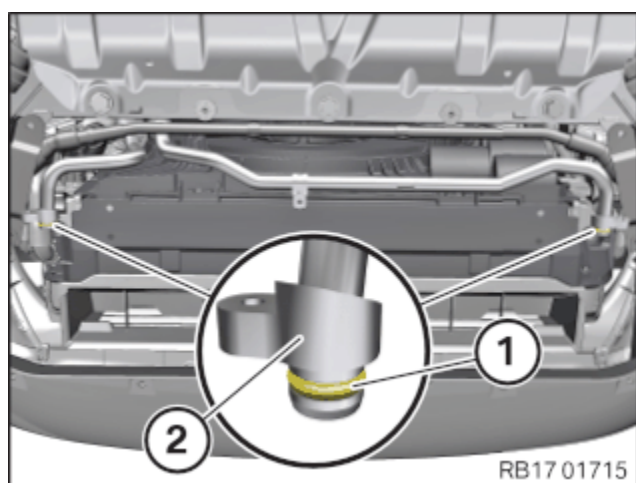


- Loosen screws (1).
- Feed out the engine oil cooler (2) and remove.

Installing the engine oil cooler

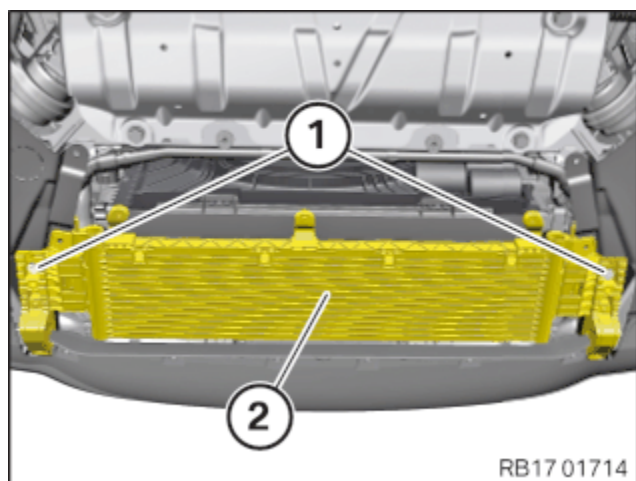
i TECHNICAL INFORMATION

The work must be performed with vehicle care to prevent component damage.



- Renew the sealing rings (1) from the lines (2).

Parts: Sealing ring



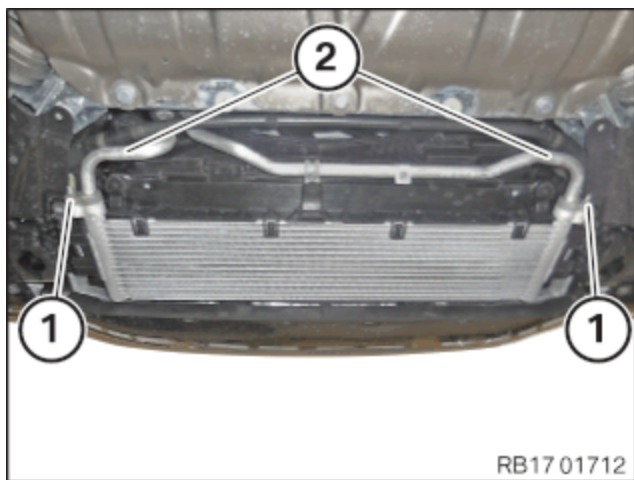
- Guide in and install the engine oil cooler (2).
- Tighten down screws (1).

Tightening torques

Engine oil cooler on bumper bracket

M6X25

tightening torque
8Nm



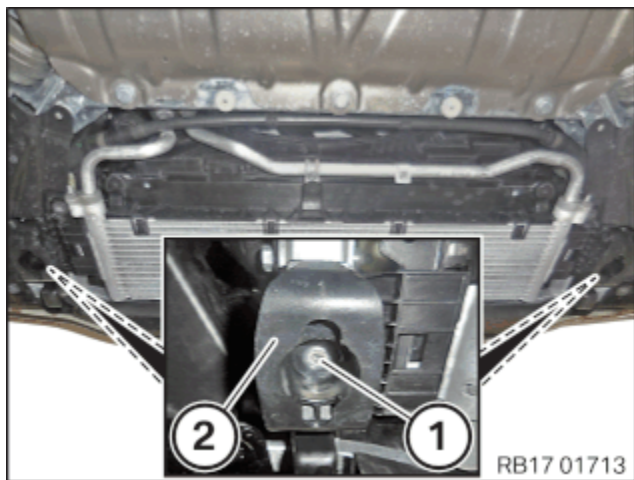
- Connect the lines (2).
- Tighten nuts (1).

Tightening torques

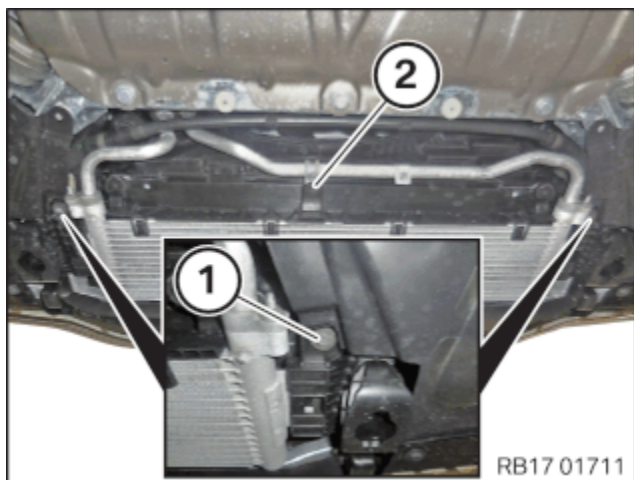
Lines on engine oil cooler

Nut M6

tightening torque
8Nm



- Renew the rivet (1).
- Parts:** Rivet
- Install and rivet the damper (2).



- Tighten down screw (2).

Tightening torques

Line clip on engine oil cooler

Hexagon screw for
thermoplastic

tightening torque
3Nm

- Tighten down screws (1).

Tightening torques

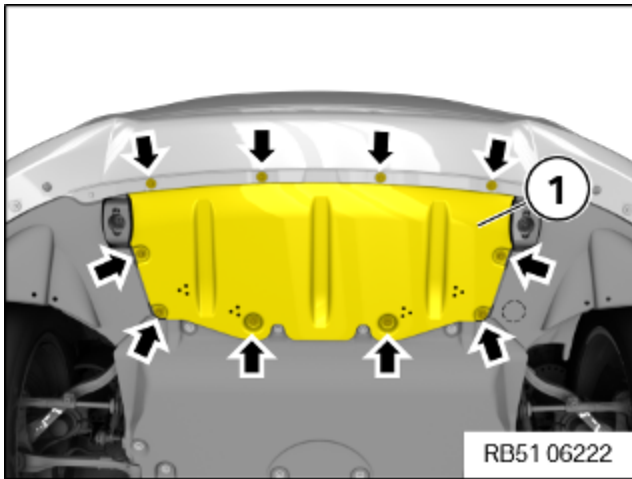
Lower side cover at front

Hexagon screw for
thermoplastic

Tightening torque
3Nm

Follow-up works

Install front underbody protection



• Version A:

Feed in the front underbody protection (1) towards the front under the bumper cover and position.

Tighten the screws (arrows).

Tightening torques

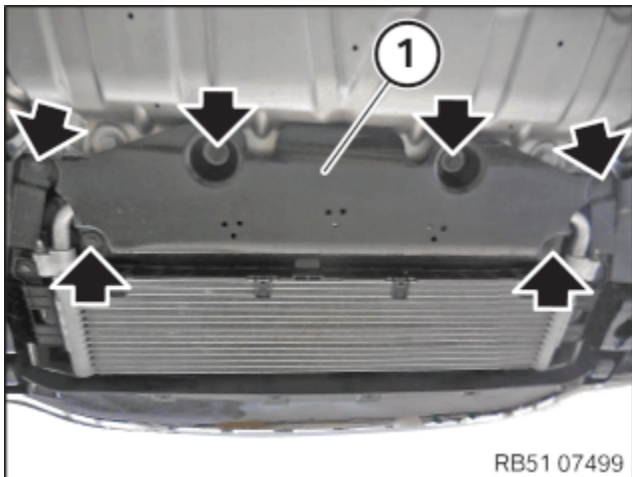
Underbody protection front

Hexagon screw for thermoplastic

tightening torque
2.6Nm

Hexagon screw
M6x20

tightening torque
8Nm



• Version B:

Feed in and position the front underbody protection (1).

Tighten the screws (arrows).

Tightening torques

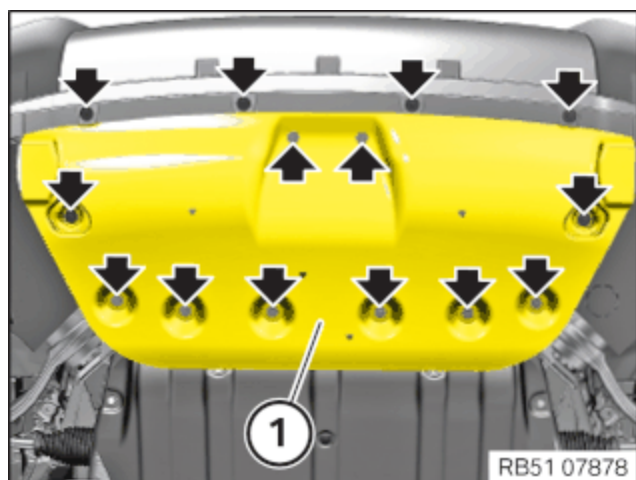
Underbody protection front

Hexagon screw for thermoplastic

tightening torque
2.6Nm

Hexagon screw
M6x20

tightening torque
8Nm

**• Version C:**

Feed in and install front underbody protection (1).

Tighten screws (arrows).

Tightening torques**Underbody protection front**

Hexagon screw for
thermoplastic

tightening torque
2.6Nm

Hexagon screw
M6x20

tightening torque
8Nm

Check engine oil level**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.