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Bleeding cooling system for charge air cooler (S63 B44 T 0)



Special tools required:

- [00 2 030](#)



Warning!

Risk of scalding!

Open sealing cap only after engine has cooled down.



Important!

Cooling system for charge air cooler has a separate cooling circuit

Coolant is added at charge air cooler expansion tank.

Electric coolant pump!

[Follow notes for carrying out repair work on the cooling system!](#)



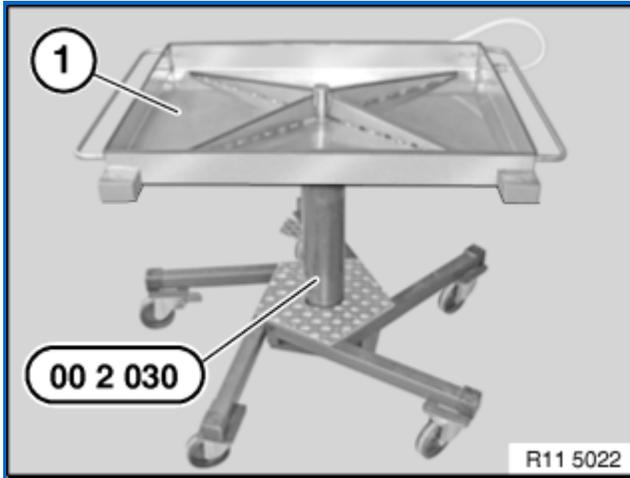
Important!

Lifetime coolant filling:

Never reuse used coolant!

When replacing and removing components which rely on the corrosion protection effect of the coolant, it is essential to change the coolant. The cooling system must therefore be drained and refilled.

In the case of other removal work involving the draining of part quantities of coolant, replace these quantities which have been drained with new coolant.



Important!

Risk of skidding due to coolant on the floor.

Danger of injury!

Catch and dispose of drained coolant in drip tray (1) and if necessary special tool [00 2 030](#) (universal hydraulic lifting equipment).

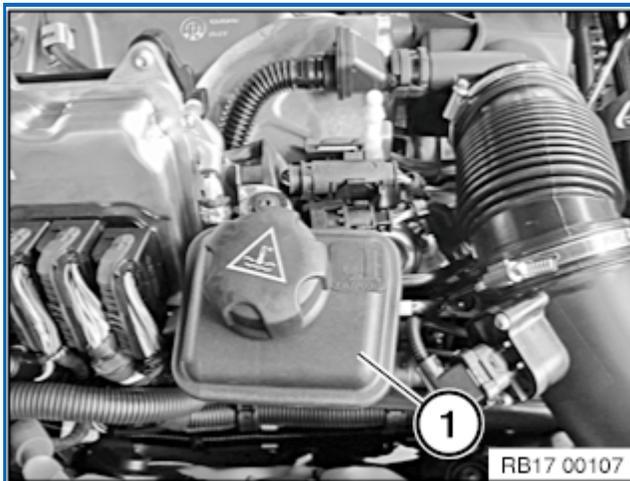
Recycling:

Observe country-specific waste disposal regulations.



Important!

The following bleeding procedure is necessary when a part is replaced in the cooling system or when the cooling system is refilled.



Top up coolant.

Coolant is topped up at expansion tank for charge air cooler (1).

Use only approved [coolant](#).

Observe [mixture ratio](#).



Venting cooling system:

Note:

Do not leave the coolant expansion tank sealing cap open during the bleeding procedure.

Switch on the low-beam headlights to perform the bleeding procedure. If the low-beam headlights are not switched on, the

ignition (Terminal 15) will switch off automatically after a certain period of time and interrupt the bleeding procedure.

1. Top coolant up to the upper edge of the expansion tank. Coolant level may not drop further! No drop in coolant for approx. 1 minute.
2. Connect battery charger.
3. Switch the ignition on.
4. Set heating to maximum temperature. Press Automatic button. Then set the blower to the lowest speed.
5. Press accelerator pedal for 10 seconds to floor. **Engine must not** be started.
6. The venting procedure is started when the accelerator pedal is pressed and takes approx. 4,5 minutes.
7. Refill expansion tank up to top edge immediately after drawing off until empty.
8. Adjust expansion tank to maximum level at end of bleeding procedure.
9. Check cooling system for leaks.
10. Close expansion tank.
11. If ventilation has to be carried out again, allow DME to drop completely (ignition key pulled out for approx. 3 minutes), then repeat from point 3.