

**Warning!**

Risk of scalding!

Only perform this repair work after engine has cooled down.

**Caution!**

You must protect the alternator against dirt contamination before carrying out any repair work on the cooling circuit.

Cover alternator with suitable materials.

Failure to comply with this procedure may result in an alternator malfunction.

**Necessary preliminary work:**

- Fill [cooling system](#) with vacuum filling unit.

**Venting cooling system:**

- Evacuate cooling circuit and charge with vacuum.
- Remove vacuum filling unit and top up coolant in expansion tank to 200 ml above maximum.
- Close lid on coolant expansion tank.
- Connect battery charger.

Starting the cooling system bleeding procedure:

1. Switch the ignition on.
2. Set heating to maximum temperature and turn blower to lowest speed.
3. FES (driving experience switch) must **not** be set to ECO PRO!
4. Press accelerator pedal for 10 seconds to floor.
5. Then start the engine. The idle speed is automatically 1200 rpm.
6. After 3 min:
 - Press on accelerator for 10 s at about 3000 rpm.
 - Idle for 10 s.
 - Press on accelerator for 10 s at about 3000 rpm.
 - Idle for 10 s.
 - Press on accelerator for 10 s at about 3000 rpm.
 - Idle for 10 s.

7. After 5 min, the thermostat is automatically supplied with current and the electric coolant pump is automatically switched on
Protection in vehicle: Pay attention to instrument panel temperature display.
8. After 6 min:
 - Press on accelerator for 10 s at about 3000 rpm.
 - Idle for 10 s.
 - Press on accelerator for 10 s at about 3000 rpm.
 - Idle for 10 s
 - Press on accelerator for 10 s at about 3000 rpm.
 - Idle for 10 s
9. After 9 min:
 - Press on accelerator for 10 s at about 3000 rpm.
 - Idle for 10 s.
 - Press on accelerator for 10 s at about 3000 rpm.
 - Idle for 10 s
 - Press on accelerator for 10 s at about 3000 rpm.
 - Idle for 10 s
10. 11 min after starting the engine, charging/bleeding procedure is ended. The engine speed is again at nominal level. The thermostat current supply is cut and the electric coolant pump is switched off again.
11. Coolant bleeding procedure is ended.



Caution!

Attention: The engine must be cooled down before coolant level check.

Adjust the filling level in the coolant expansion tank to maximum.