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Instructions for repair work on cooling system**Warning!**

Risk of scalding. Only carry out repair work on the cooling system after the engine has cooled down.

**Important!**

Wear protective gloves and safety goggles.

**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!

Open cooling system only when it has cooled down.

Opening the cooling system while hot can result in air



entering the system.

This can cause overheating with permanent damage to the engine.



Important!

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.



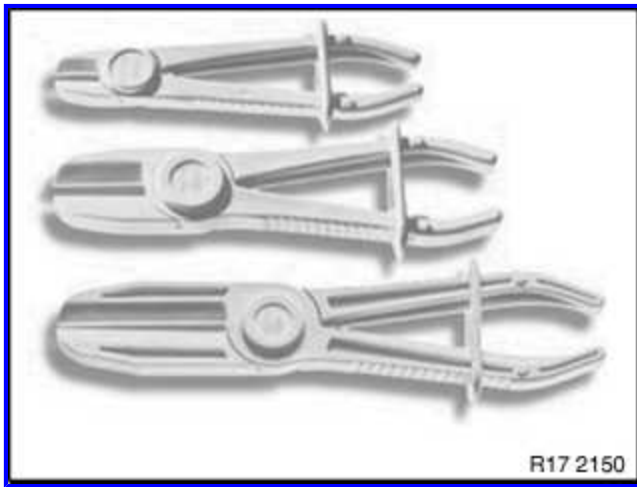
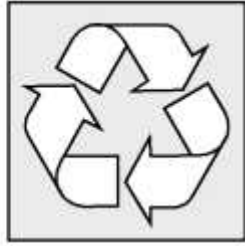
Important!

Do not fill coolant expansion tank over MAX level as overfilling will cause the coolant to overflow. This may give rise to traces of coolant on the expansion tank or in the engine compartment and wrongly suggest possible leaks.

Recycling

Catch and dispose of drained coolant.

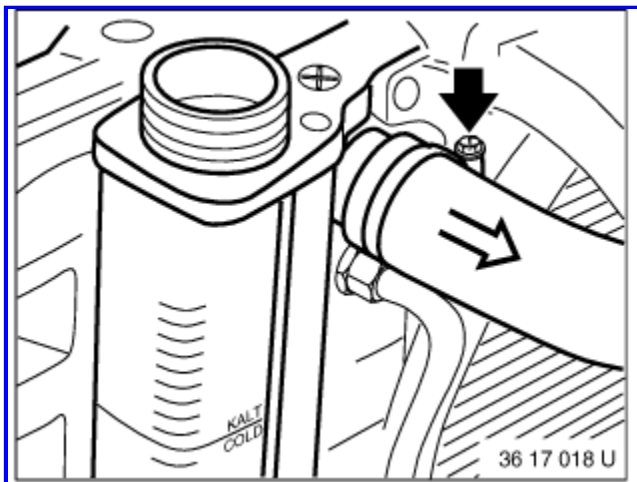
Observe country-specific waste disposal regulations.



Note:

To disconnect coolant hoses, use commercially available disconnect tools such as HAZET brand tools (see table).

HAZET no.:	Designation
4590-1	Disconnect-pliers, length (mm): 150
4590-2	Disconnect-pliers, length (mm): 180
4590-3	Disconnect-pliers, length (mm): 253
4590 / 2	Disconnect-plier set
4590 / 3	Disconnect-plier set

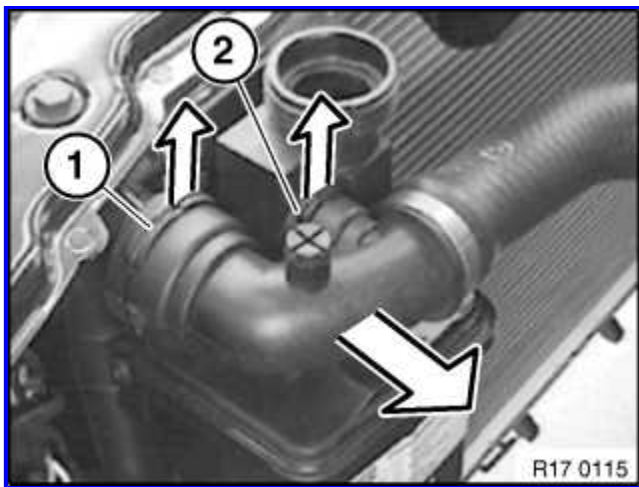


Note:

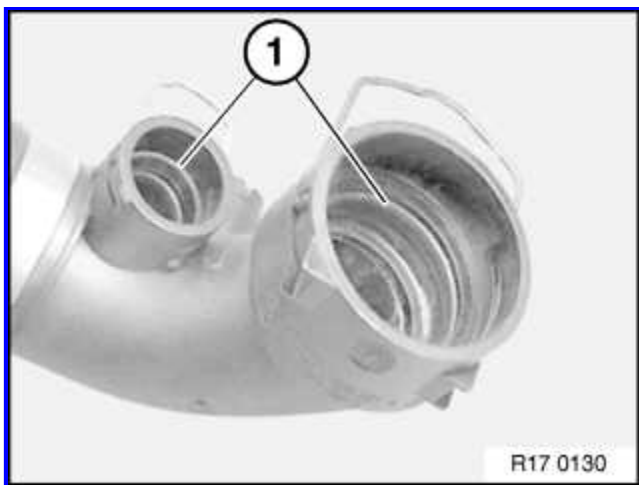
Tightening torque for hose clamps

WAF 5	1.0 - 1.5 Nm
WAF 6	2.5 - 3.5 Nm

Instructions for dismantling/assembly of coolant hose quick-release couplings

**Dismantling of quick-release coupling**

Pull out lock (1) and (2). Pull off hose.

**Installation note:**

Check O-rings (1).

Do not coat O-rings (1) with lubricant.

Assembly of quick-release coupling

Press in lock (1) before installing quick-release coupling.

Push on hose.

Quick-release couplings must clearly snap audibly into place.

