**Special tools required:**

- 17 2 052

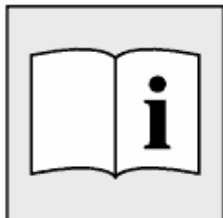
**Warning!**

Danger of scalding!

Only carry out work on the cooling system after the engine has cooled down!

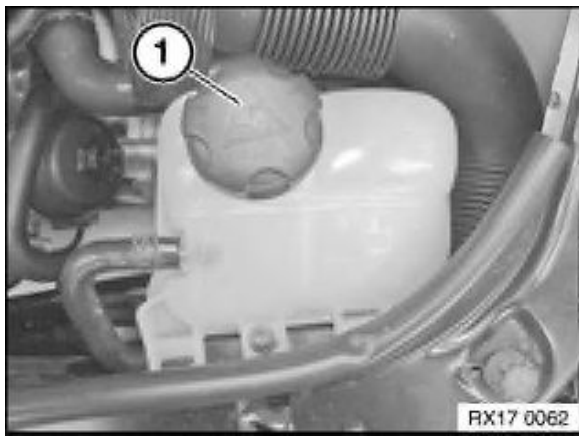
**Important!**

Wear protective gloves and goggles.

***Necessary preliminary tasks:***

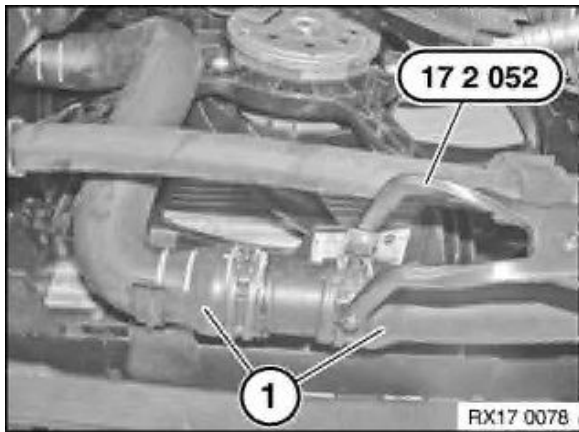
Follow instructions for working on cooling system .

After adding coolant, check cooling system for leaks.



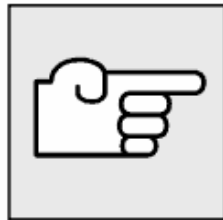
### Draining coolant:

Unscrew cap (1) on coolant expansion tank.



Release spring strap on lower coolant hose (1) with special tool 17 2 052 .

Detach coolant hose (1). Drain, catch and dispose of coolant.



### Adding coolant:

#### Note:

Before filling, turn on ignition and set heating control to maximum temperature.

Set fan to low setting.

Pour in coolant slowly.

Observe mixture ratio.

The cooling system is vented during filling.

#### Note:

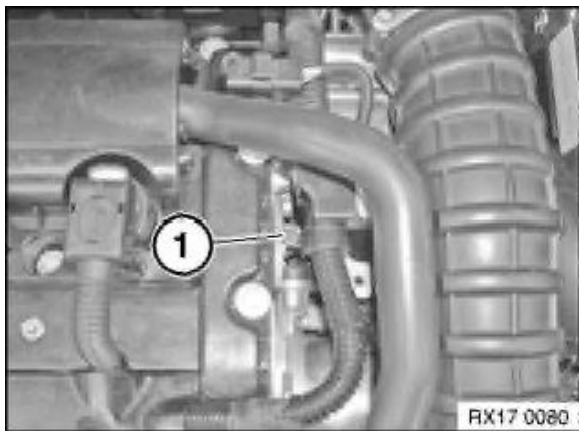
- Installation location of vent screw: thermostat housing.

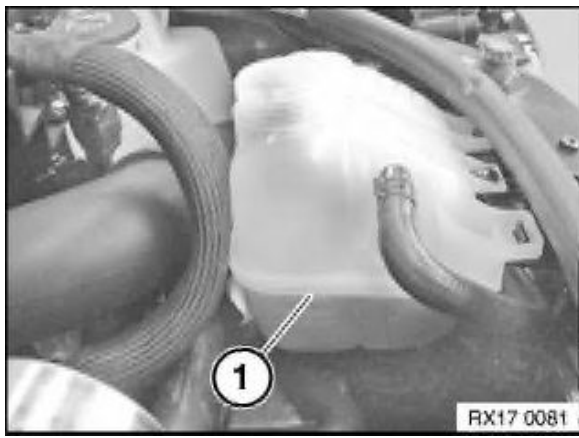
Release vent screw (1).

Pour in special coolant through expansion tank filler neck until bubble-free coolant emerges at vent screw (1).

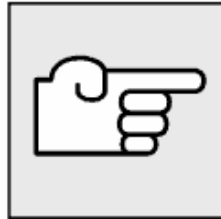
Close bleed screw (1).

Tightening torque 17 00 1AZ .





Continue topping up coolant in expansion tank to max. level (1).  
Start engine and run at idle speed.  
If the level drops, top up coolant until the level no longer drops.  
Switch off engine and if necessary top up coolant to max. level.  
Close expansion tank.



*Note:*  
Check cooling system for leaks