

64 11 206

**Removing and installing/replacing
heating and air-conditioning unit
(N13,N20,N26,N55)****Special tools required:**

- [00 9 030](#)
- [17 2 050](#)
- [32 1 270](#)

**Warning!**

Danger of injury!

Refrigerant circuit is under high pressure!

Avoid contact with refrigerant and refrigerant fluid.

Read and comply with safety information:

- [Handling R 134a \(tetrafluorethane\) refrigerant](#)
- [Handling refrigerant oil](#)

**Important!**

Risk of damage!

Restart engine only when air conditioning system has been correctly filled.

Follow [notes](#) for opening and replacing parts in refrigerant circuit.

If air conditioning system is opened for more than 24 hours: [Replace condenser for air conditioning](#).

**Necessary preliminary tasks:**

- Drain off [air conditioning system](#)
- Remove [support for dashboard](#)

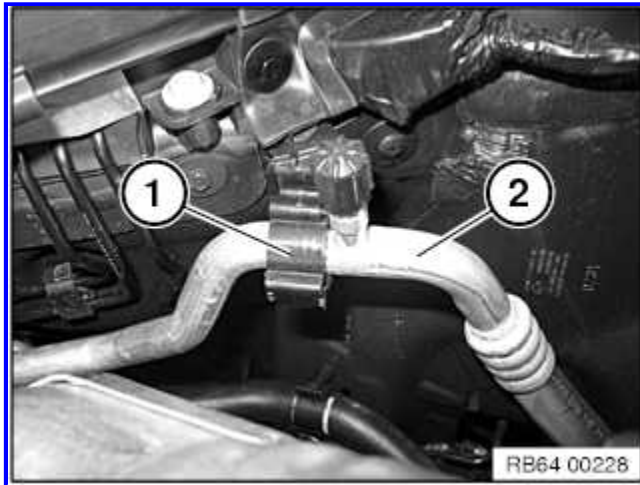


Recycling

Coolant emerges when coolant lines are detached. Have a suitable collecting vessel ready.

Catch and dispose of escaping coolant.

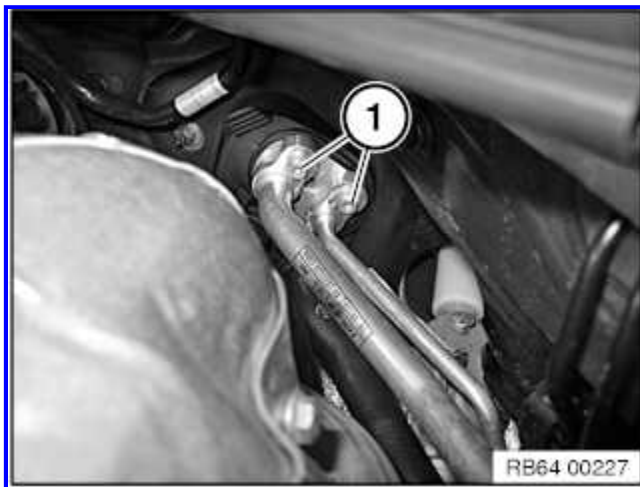
Observe country-specific waste disposal regulations.



Note:

Only applicable to: F20,21 / N13

Unlock plastic clamp (1) on intake pipe (2) and open.



Note:

Example illustration F20 / N13

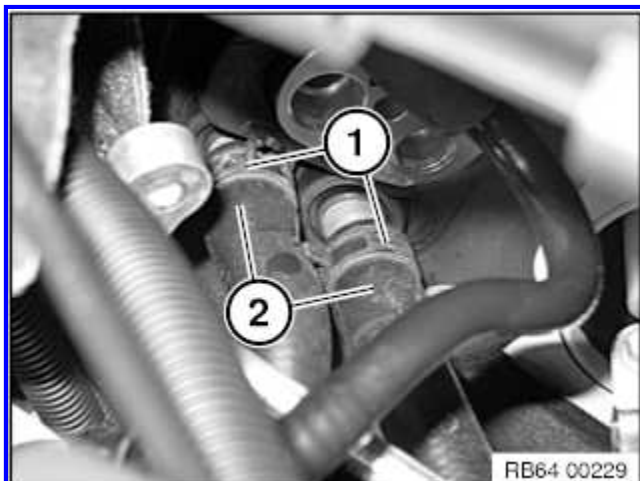
Release screws (1).

Tightening torque [64 53 1AZ](#).

Installation note:

Replace sealing rings.

Use special tool [00 9 030](#) to mount sealing rings without damaging them.



Important!

Connections must not be mixed up!

Mark connection sequence of water hoses prior to removal.

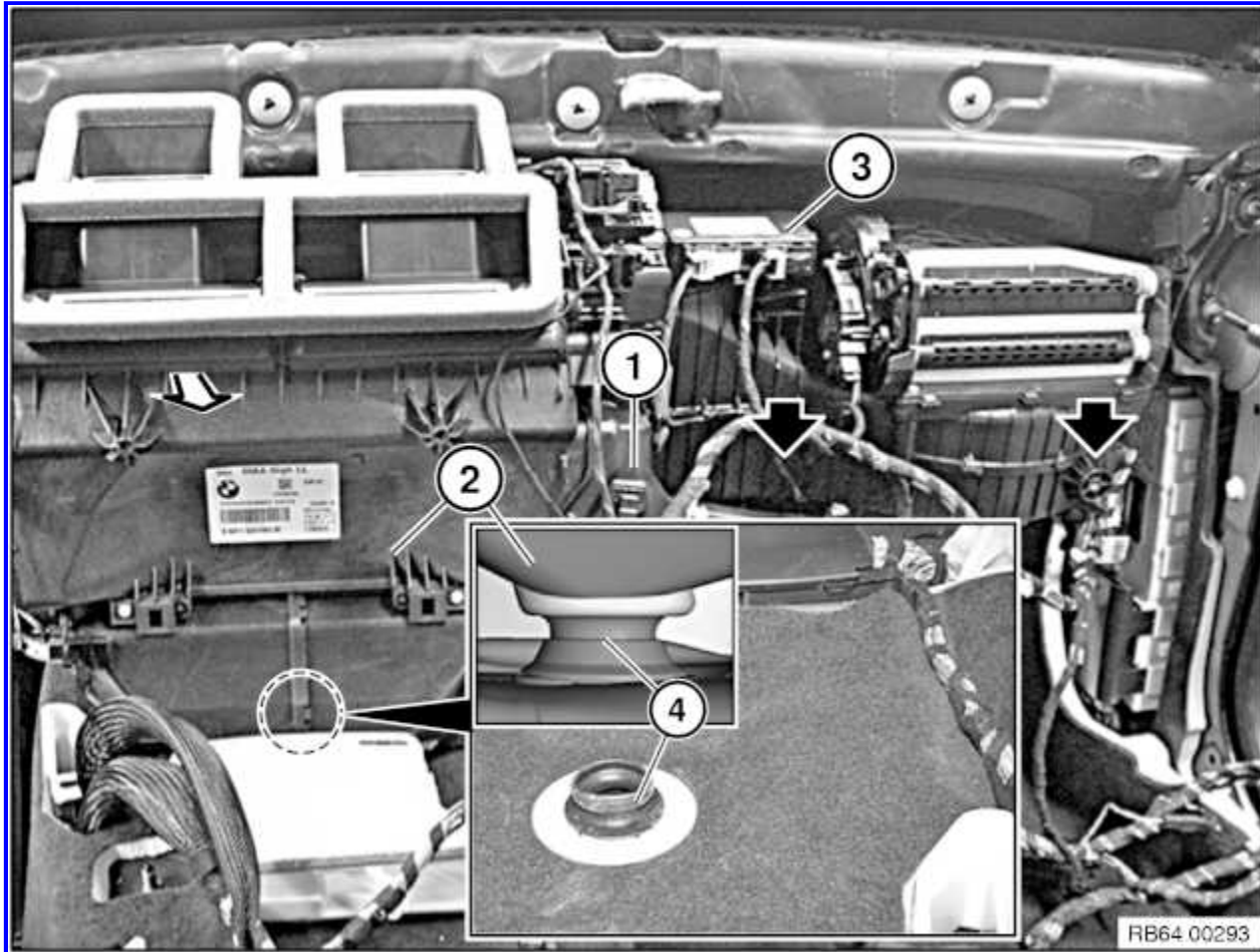
Release hose clamps (1) with special tool [17 2 050](#) and detach coolant hoses (2).



Important!

Carefully blow out coolant ports on the heat exchanger to remove the remaining coolant.

Close openings or line to heat exchanger with special tool [32 1 270](#), to avoid media leak and dirt contamination.



Warning!

Protect passenger compartment against emerging coolant.

Unfasten plug connection (3) and disconnect.

Unclip the air duct (1) to the right of the heating and air-conditioning unit (2).

Unclip the wiring harness at the marked points.

Feed out heating and air-conditioning unit (2) in direction of arrow.

Attention!

In the event of incorrect installation, there is a risk of water damage in the passenger

compartment!

Installation note:

Spray condensate drain (4) with lubricant G13 (sourcing reference BMW Parts Department) before installation of heating and air-conditioning unit (2).

Heating and air-conditioning unit (2) must fit exactly on condensate drain (4).

Perform a visual inspection after installing the heater (2).



Replacement:

- Modify [evaporator](#)
- Modify [heat exchanger](#)
- Modify [expansion valve](#)
- Modify [all actuator drives](#)



After installation:

- [Evacuate and fill air conditioning](#)
- [Bleed and fill cooling system](#)

IMPORTANT!

Filling and bleeding must not be performed in ECO-PRO MODE!