Repairing heating - vehicles from Model Year 1997
Removing and installing heater

Special tools, testers and auxiliary equipment required

- ◆ Hose clamps 3093 or 3094
- ◆ Commercially available compressed air gun

Notes:

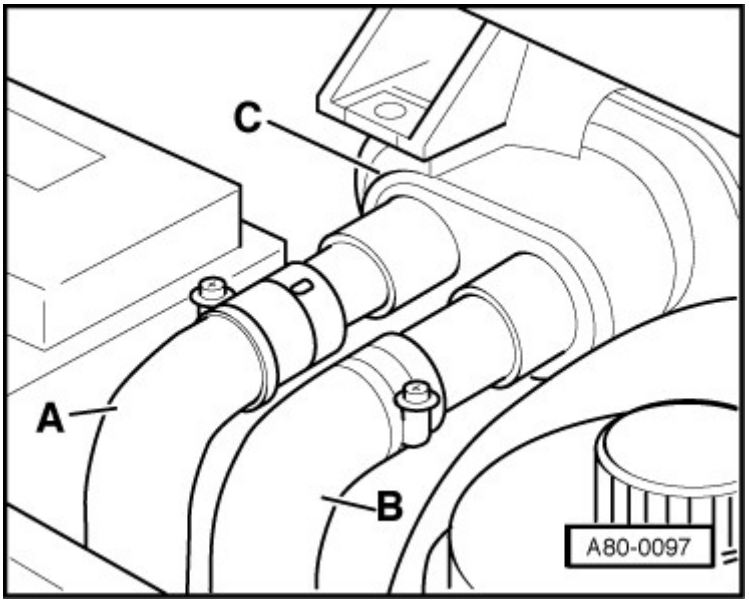
- ◆ On removal, note the bolt lengths and assignment for re-installation.
- ◆ All cable ties which are released or cut open when the heater is removed must be replaced in the same position when installing.

Removing

– Cover the driver's and passenger's seat with protective covers.
– Switch the ignition on.
– In vehicles with electrically adjustable seats, move them back as far as possible before disconnecting the battery.
– Observe or obtain radio code on vehicles with coded radio.
– Disconnect earthing strap at battery with ignition switched off.

– Open the cover of the coolant expansion tank

– → Mark the layout of the coolant hoses -A- and -B-.
– Pinch off the coolant hoses to the heat exchanger with hose clamps V.A.G 3094 and detach the hoses.
– Place a container under the connection for hose -A-.
– Use the compressed air pistol to blow the coolant carefully out of the heat exchanger through the coolant hose -B-.
– Remove the grommet -C-.
– Remove the glove box, the shelf on the driver's side, the centre console and the dash panel:



=> General Body Assembly, Interior; Repair group 68; Storage compartments/covers; Removing and installing glove box

=> General Body Assembly, Interior; Repair group 68; Storage compartments/covers; Removing and installing driver's storage compartment

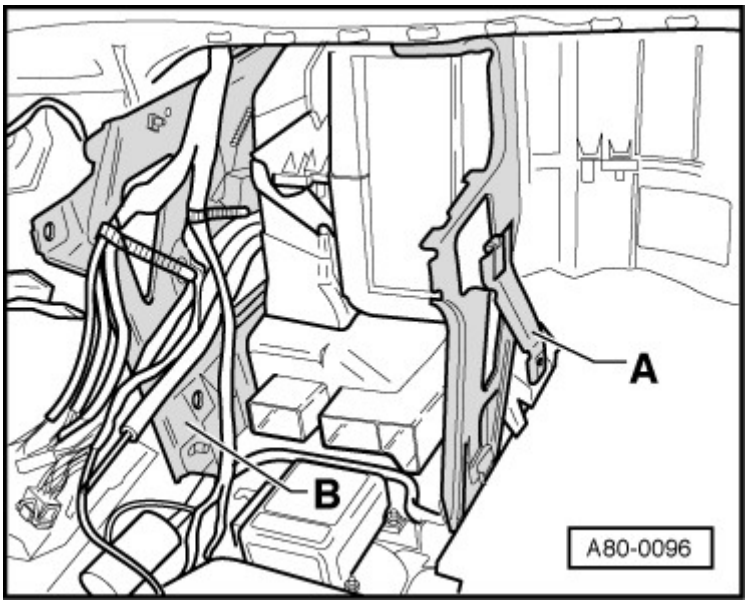
=> General Body Assembly, Interior; Repair group 70; Dash panel

Note:

To ensure that the outer surface of the dash panel is not damaged, the dash panel may only be placed on a clean work bench

which should be covered with clean cardboard, for example.

– → Remove the dash panel support -A-.
– Detach the dash panel support -B- from the vehicle.

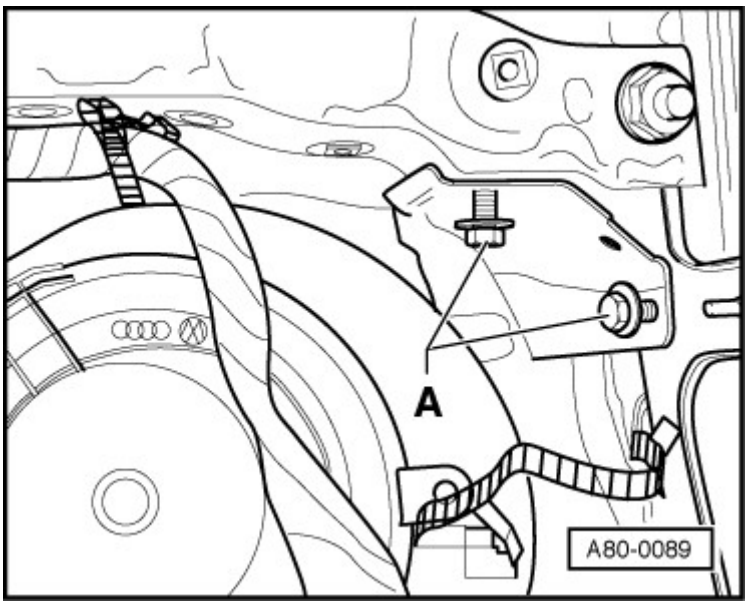


Note:

The upper fastening bolt on the heater cannot be removed.

– Remove the footwell vents => Page 80-22.
– Separate all the electrical connections between the vehicle and the heater at the connectors.

– → Screw out the bolts -A-.
– Remove the heater towards passenger's side.



Installing

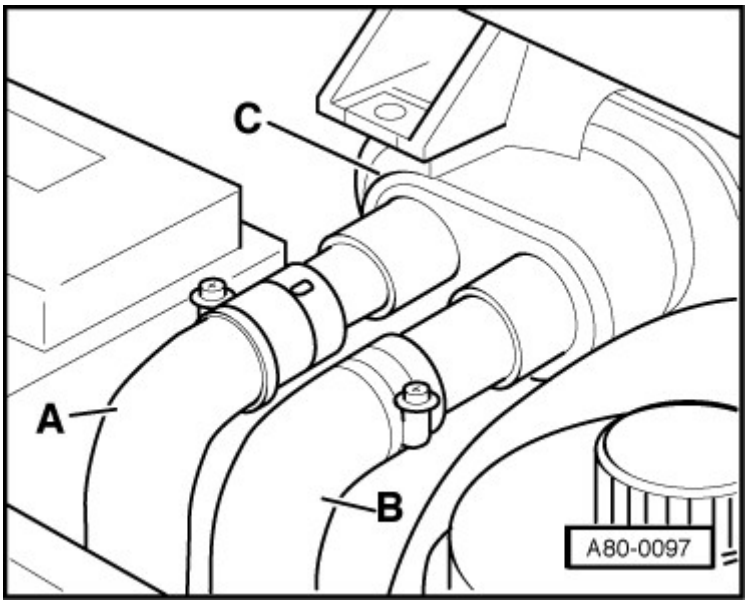
Installation is carried out in the reverse order; note the following:

Note:

Check all seals on the heater for damage before installation and replace any damaged seals.

– → Connect the coolant hoses to the heat exchanger correctly. Note the markings:

A - Return hose to the water pump (with vent hole)
B - Inlet hose from the cylinder head



– After the installation of the dash panel, check that the grommet -C- is seated correctly.
– Bleed the coolant circuit:

=> Relevant Workshop Manual Engine, Mechanical Components; Repair group 19