Expansion valve

To remove

1. Drain the refrigerant from the A/C system. See Draining and filling of refrigerant.

2. Detach the A/C pipes from the expansion valve, 1 bolt in centre of valve.
   Plug the openings and move the pipes to one side.

3. Remove the expansion valve, 2 countersunk hexagonal socket screws.
To fit
**Important**

Be careful not to contaminate the new expansion valve.

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1. Replace and lubricate the O-rings with synthetic vaseline, part no. 30 15 286. Fit the O-rings on the pipes from the evaporator.

2. Press the expansion valve onto the A/C pipes to the evaporator and screw it on.

   **Tightening torque: 5 Nm (4 lbf ft)**

3. Remove the plugs. Replace and lubricate the O-rings on the pipes from the compressor and condenser with synthetic vaseline, part no. 30 15 286.

4. Insert the A/C pipes into the expansion valve.

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5. Fit the PAD connection (washer) at the valve and screw it on.

   **Tightening torque: 8 Nm (5 lbf ft)**

6. Evacuate the A/C system and fill with R134a refrigerant. See [Draining and filling of refrigerant](#).