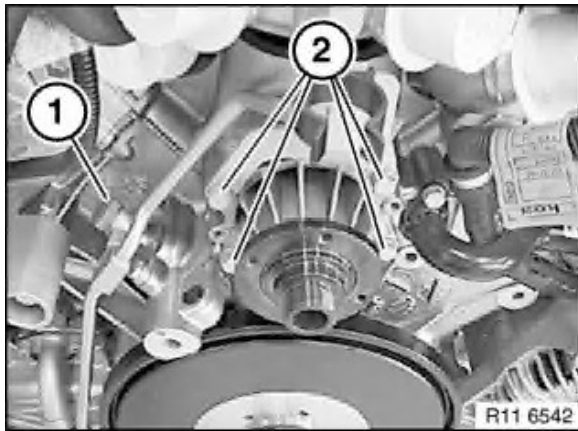


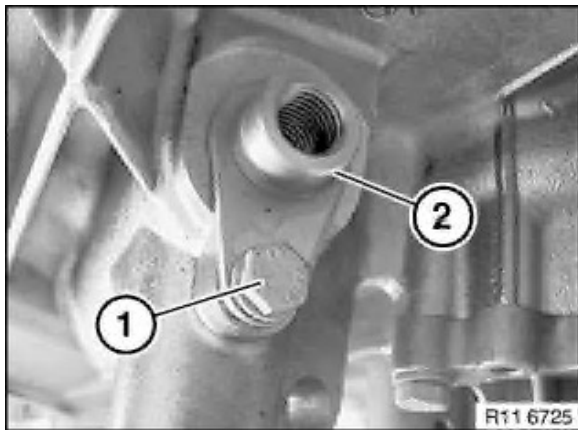
Necessary preliminary tasks:

- Remove drive belt from A/C compressor.
- Remove drive belt from alternator.
- Release power steering pump (do not remove).
- Detach water hoses on right.
- Remove oil pan.
- Remove oil pump.
- Remove VANOS high-pressure pump.



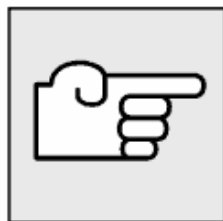
Only release bolts (2) on water pump bracket.
Release banjo bolt (1).

Tightening torque: 11 36 5AZ .



Release bolt (1).

Remove high-pressure line (2) towards top.



Assemble engine.

There is air in the VANOS system once it is opened.

In the first few seconds after startup this results in a clearly discernible "rattling noise".

This rattling noise does "not" indicate incorrect assembly.

The rattling noise will disappear as soon as the oil pressure has built up and the system has vented.

Carry out venting procedure with diagnosis tester.

Perform VANOS test.