

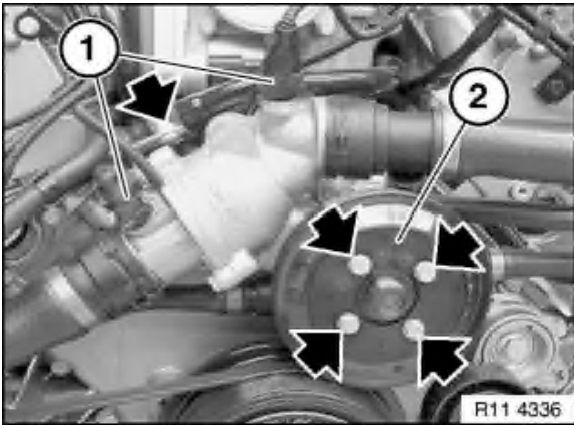
**Warning!**

Only carry out work on the cooling system after the engine has cooled down (**risk of scalding**).

Follow instructions for working on cooling system.

*Necessary preliminary tasks:*

- Drain and dispose of coolant from radiator.
- Remove fan cowl.
- Remove electric fan.
- Remove alternator drive belt.

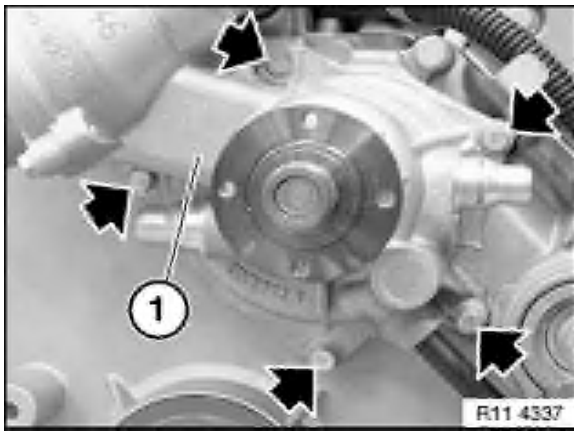


Unlock and detach plug connections (1).

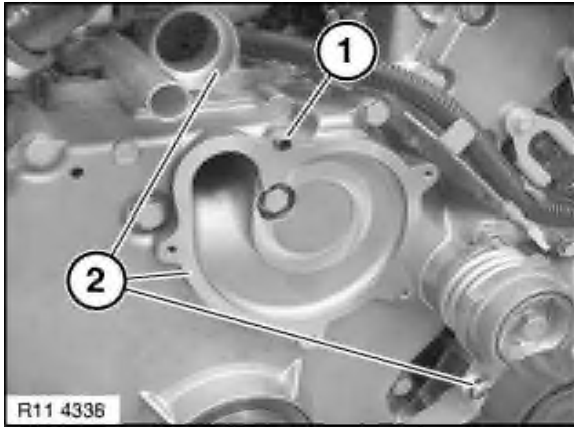
Release screw and remove vacuum line holder.

Unlock and detach all coolant hoses on water pump.

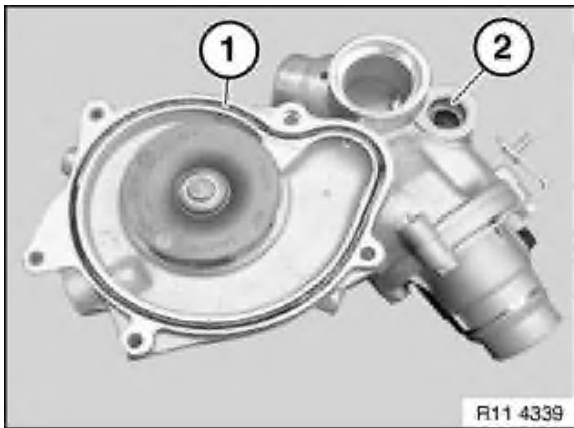
Release screws and remove belt pulley (2).



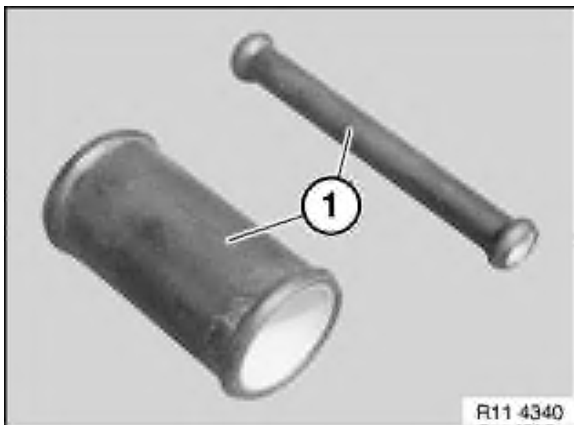
Remove vibration damper.
Release screws and remove water pump (1).



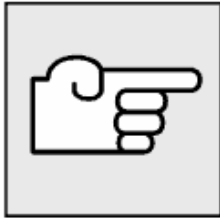
Installation:
Check adapter sleeve (1) for correct seating and damage; replace if necessary.
Clean sealing faces (2).



Installation:
Clean sealing surfaces.
Replace sealing rings (1 and 2).



Installation:
Replace both coolant pipes (1) and coat sealing surfaces with anti-friction rubber coating.
Thin coolant pipe (1) only with water-cooled alternator.



Note:

Remove coolant thermostat and coolant sensor of faulty water pump.
Check coolant thermostat and coolant sensor for damage and replace if necessary.

Install coolant thermostat and coolant sensor in new water pump.

Assemble engine.

Vent cooling system and check for leaks.