

Check or replacing cooling system

Special tools: [998 5496](#)

Note! Replacing the radiator [Check cooling system for leaks](#)

Replacing the engine coolant temperature sensor [Coolant-temperature sensor location](#)

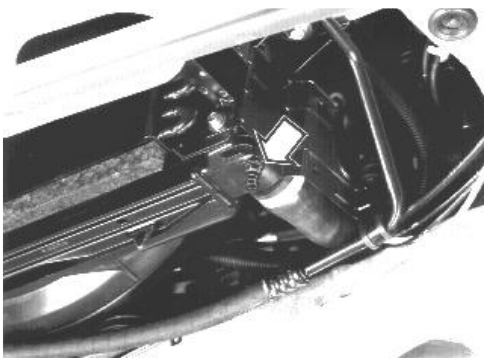
Check cooling system for leaks

Cooling system test pressurisation

Test pressurise the cooling system. See [Test pressurisation](#) .

Drain the coolant

Remove the expansion tank cap.
Remove the splashguard under the radiator.
Open the stopcock on the radiator. Thread a hose onto the stopcock to collect the coolant.
Close the cock.



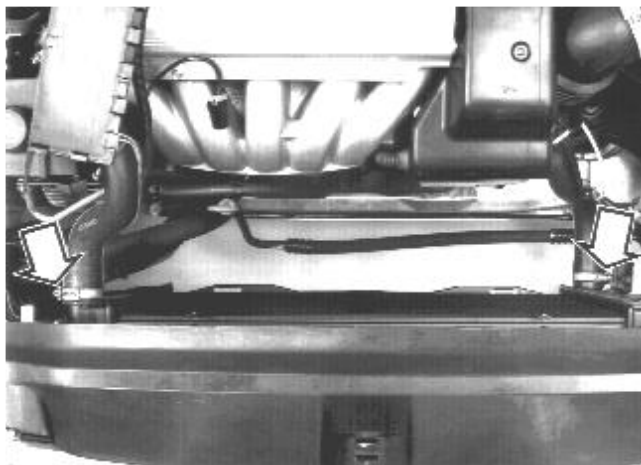
Disconnect the upper and lower radiator hoses

Remove the engine coolant fan (FC).

Disconnect the upper and lower radiator hoses from the radiator.

Turbocharged engines: Detach the oil cooler hoses from the right side of the oil cooler.

Automatic transmissions: Detach the oil cooler hoses from the left side of the oil cooler.

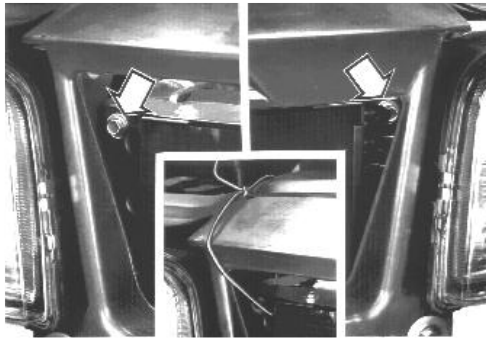


Remove the upper AC-condenser screws

Note! Applies to cars with air conditioning (A/C):

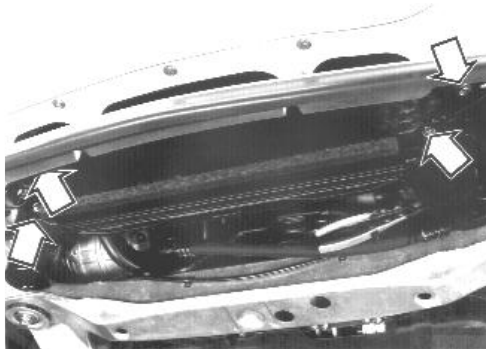
Remove the two upper screws holding the condenser to the radiator.

Hang the radiator, using string or similar, as illustrated.



Remove the lower AC-condenser screws

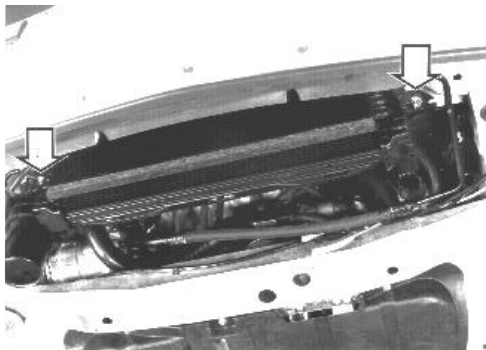
Remove the two lower screws holding the condenser to the radiator.



Remove the radiator

Remove two radiator retaining screws.

Caution! Hold the radiator so it is not damaged.



Install the radiator

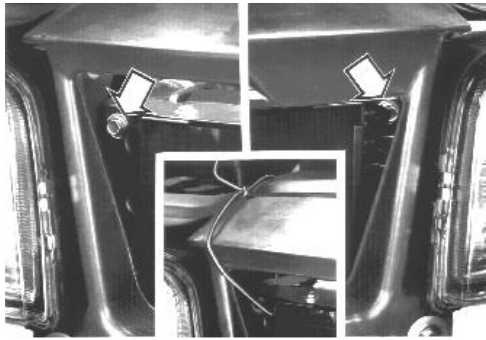
Tighten the radiator. Tighten to **30 Nm**.

Loosely install the two lower screws holding the AC condenser.



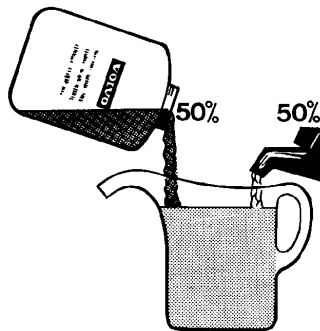
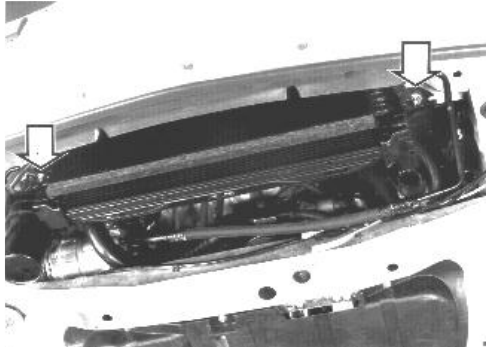
Tighten the radiator / air conditioning (A/C) condenser

Install the two upper screws for radiator and condenser.



Install the radiator hoses and engine cooling fan (FC)

Install the upper and lower radiator hoses.
Install the engine cooling fan (FC).
Raise the car. **Tighten the lower screws** holding the AC condenser to the radiator.
Reinstall the splash guards.



Top up coolant

Fill the cooling system through the expansion tank.
The total coolant capacity is approximately **7.2 litres**.
Run the engine to operating temperature and top up the coolant if necessary.
Check for leaks.

Coolant-temperature sensor location

The sensor is located in the thermostat housing.
The sensor gives a signal to both the engine management system and to the temperature gauge in the combined instrument panel.

