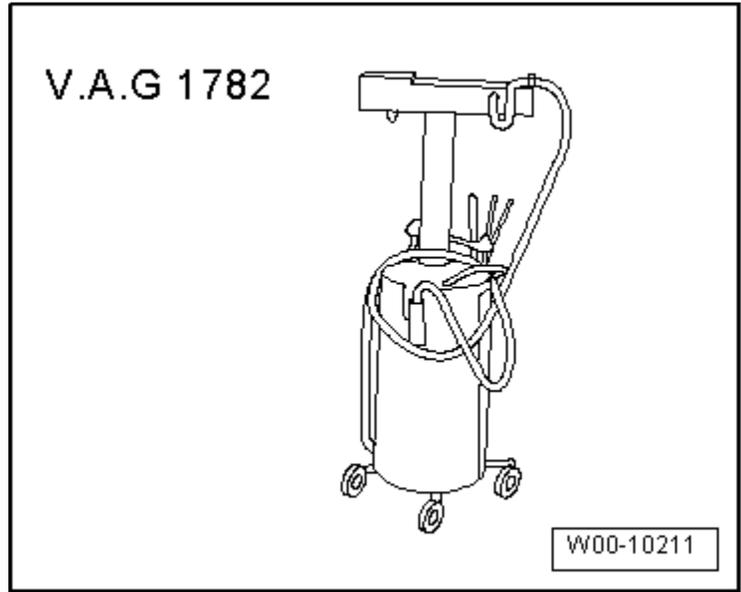


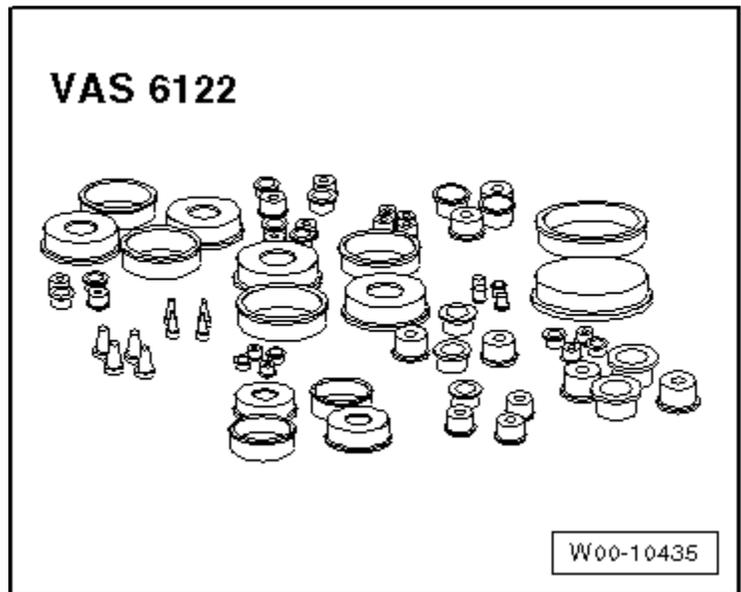
Removing and installing radiator

Special tools and workshop equipment required

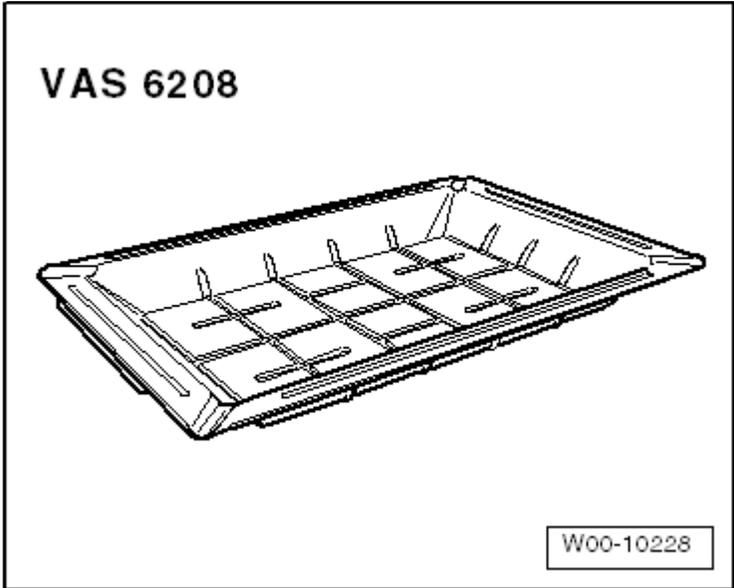
t Used oil collection and extraction unit -
V.A.G 1782-



Engine bung set -VAS 6122- for vehicles
t with multitronic gearbox/automatic
gearbox 09L



t Drip tray for workshop hoist -VAS 6208-



t Hose clip pliers -VAS 6362-

Removing

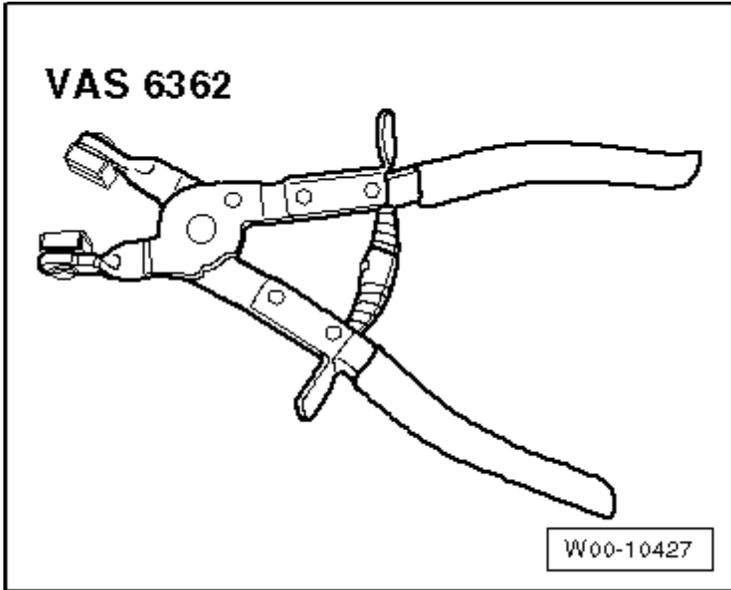
 Note

If there are slight impressions on the fins, refer to [→ Chapter](#).

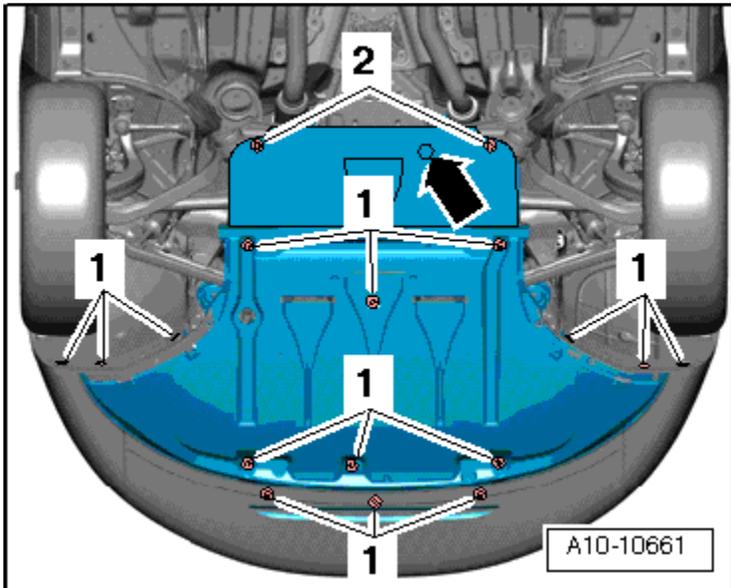
 **WARNING**

Hot steam or hot coolant can escape when expansion tank is opened; cover filler cap with cloth and open carefully.

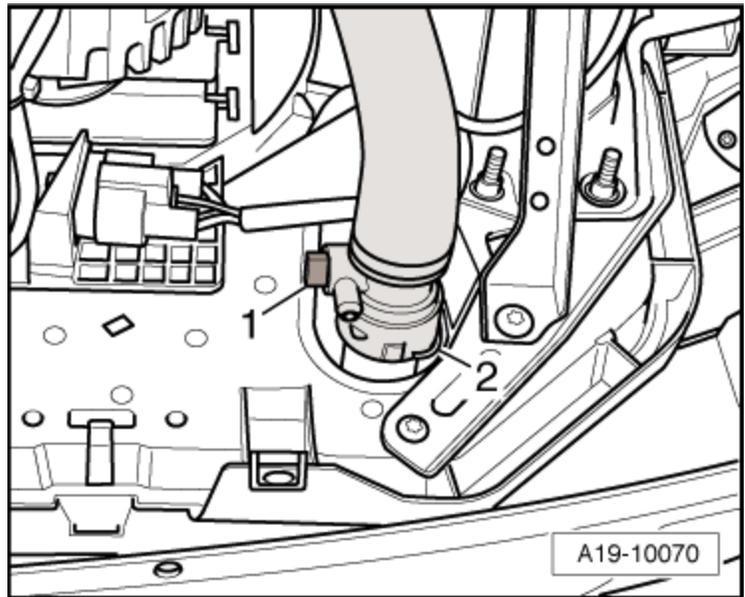
- Open filler cap on coolant expansion tank.



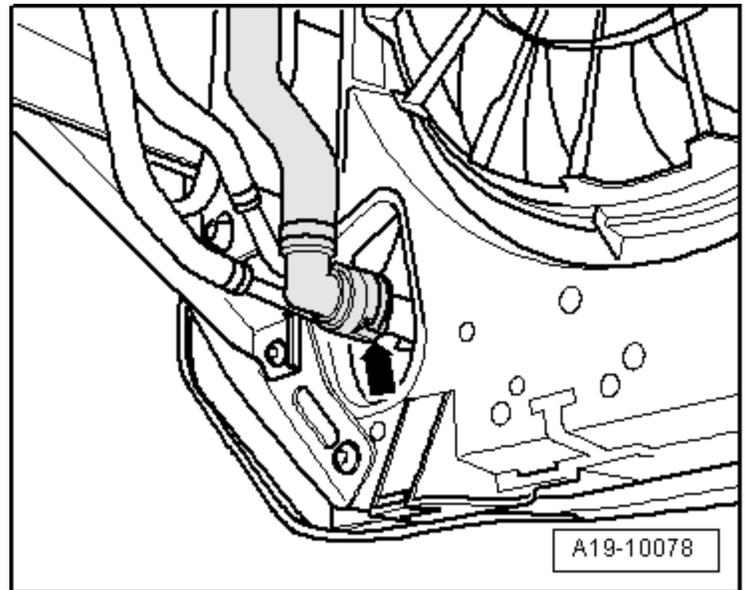
- Remove noise insulation panels [→ Rep. Gr.50](#).
- Remove front wheel housing liners (right and left) [→ Rep. Gr.66](#).
- Remove bumper cover (front) [→ Rep. Gr.63](#).



- Place drip tray for workshop hoist -VAS 6208- under engine.
- Open drain plug -1- and let coolant drain.
- Then disconnect coolant hose -2- from radiator.



- Disconnect coolant hose -arrow- (bottom left) from radiator (lift retaining clip).

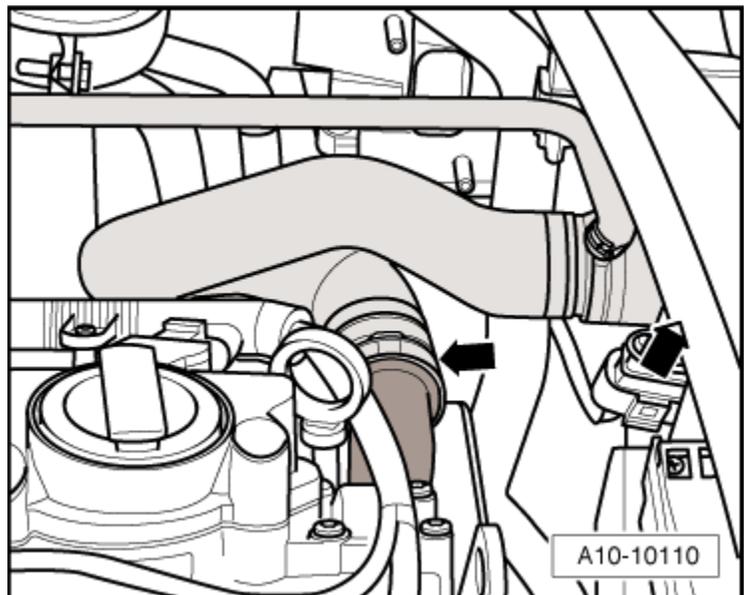


- Detach coolant hose (top) -arrow on right- from radiator.



Note

Ignore -arrow on left side of illustration-.

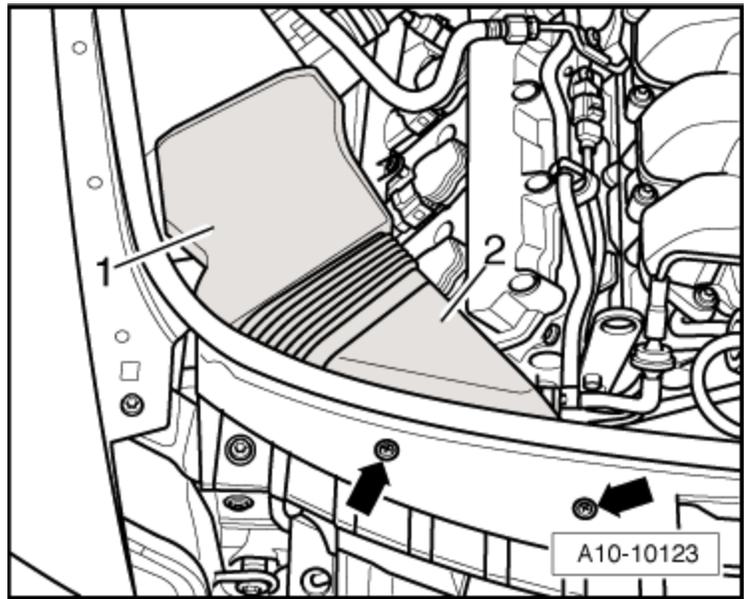


Vehicles with multitronic gearbox or automatic gearbox 09L:

- Remove bolts -arrows-.
- Remove air ducts -1- and -2-.

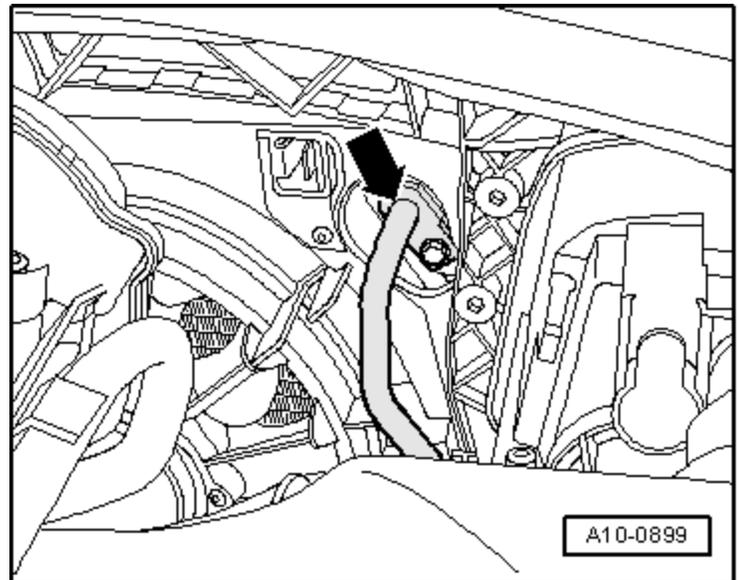


Note



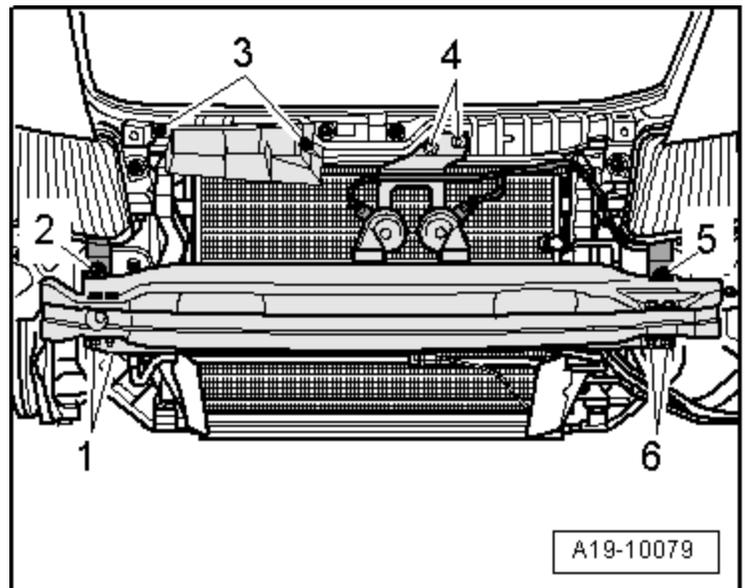
Observe rules for cleanliness when working on automatic gearbox → [Rep. Gr.00](#).

- Position used oil collection and extraction unit -V.A.G 1782- below connection point.
- Detach ATF pipes (top -arrow- and bottom) from radiator: → [Rep. Gr.37](#).
- Seal off open pipes/lines and connections with clean plugs from engine bung set -VAS 6122-.



All vehicles:

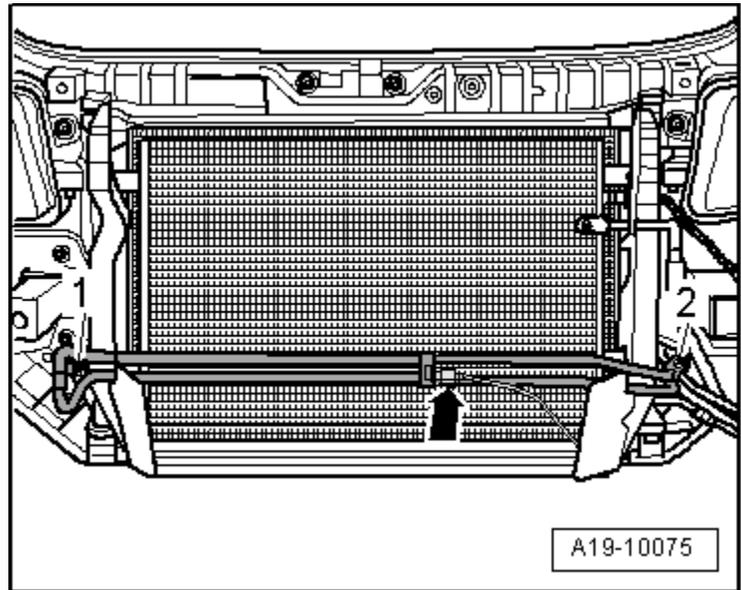
- Unscrew bolts -3- and detach air duct.
- Unscrew bolts -4- and remove bracket for horns; electrical wiring remains attached.
- Unscrew brackets -2- and -5- for headlights.
- Unscrew nuts -1- and -6- and remove bumper.



- Unclip ambient temperature sensor -G17-- arrow- from bracket.
- Unscrew bolts -1- and -2- for power steering cooling pipe; the hydraulic hoses remain attached.
- Detach air ducts (left and right) from radiator.

**WARNING**

The air conditioner refrigerant circuit must not be opened.

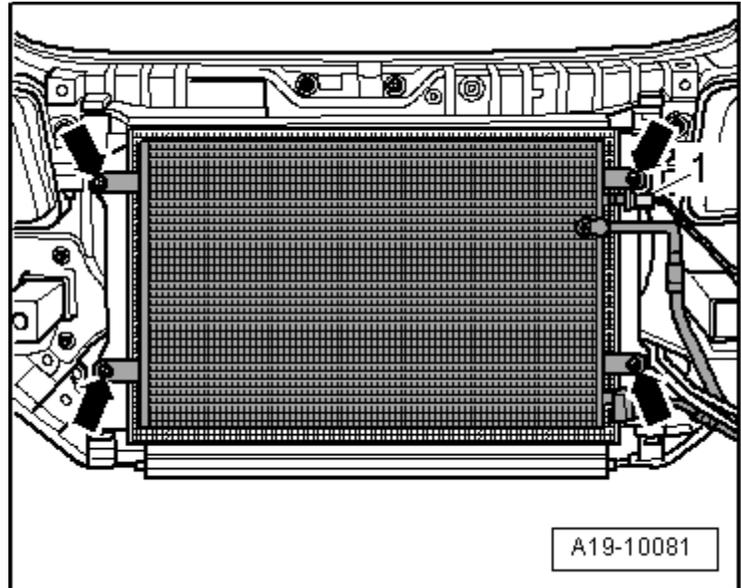


- Unplug electrical connector -1-.
- Remove bolts -arrows-.

**Note**

To prevent damage to the air conditioner compressor and refrigerant pipes/hoses, ensure that the pipes and hoses are not stretched, kinked or bent.

- Pivot condenser downwards with pipes/hoses attached.



- Release two retaining pins for radiator and pull out upwards -arrows-.
- Swivel radiator forwards and lift off.

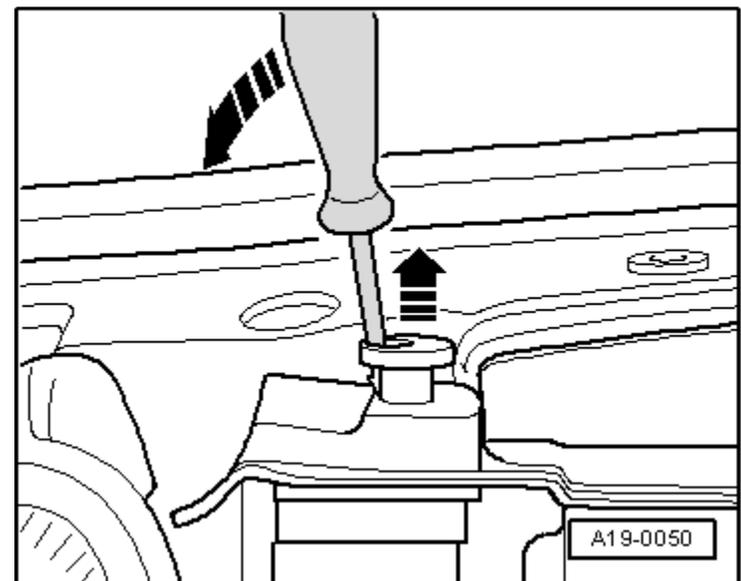
Installing

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

**Note**

Secure all hose connections with the correct type of hose clips (same as original equipment) → [Electronic parts catalogue](#).

- Install ATF pipes → [Rep. Gr.37](#).
- Install bumper cover (front) → [Rep. Gr.63](#).
- Install front wheel housing liners (right and



left) → [Rep. Gr.66](#).

- Remove old O-ring -2- from coolant hose -3-.
- Lubricate new O-ring with coolant additive and fit O-ring in coolant hose.
- Press coolant hose onto radiator -1- until it engages with a click.
- Press coolant hose in again and then pull to check that plug-in connector is correctly engaged.
- Fill cooling system → [Anchor](#).



Note

The coolant in the entire system must be changed if the radiator is renewed.

- Check ATF level → [Rep. Gr.37](#).

Tightening torques

Component	Nm
Condenser to lock carrier	6
Power steering cooling pipe to condenser	9
Bracket for horns to lock carrier	8

