

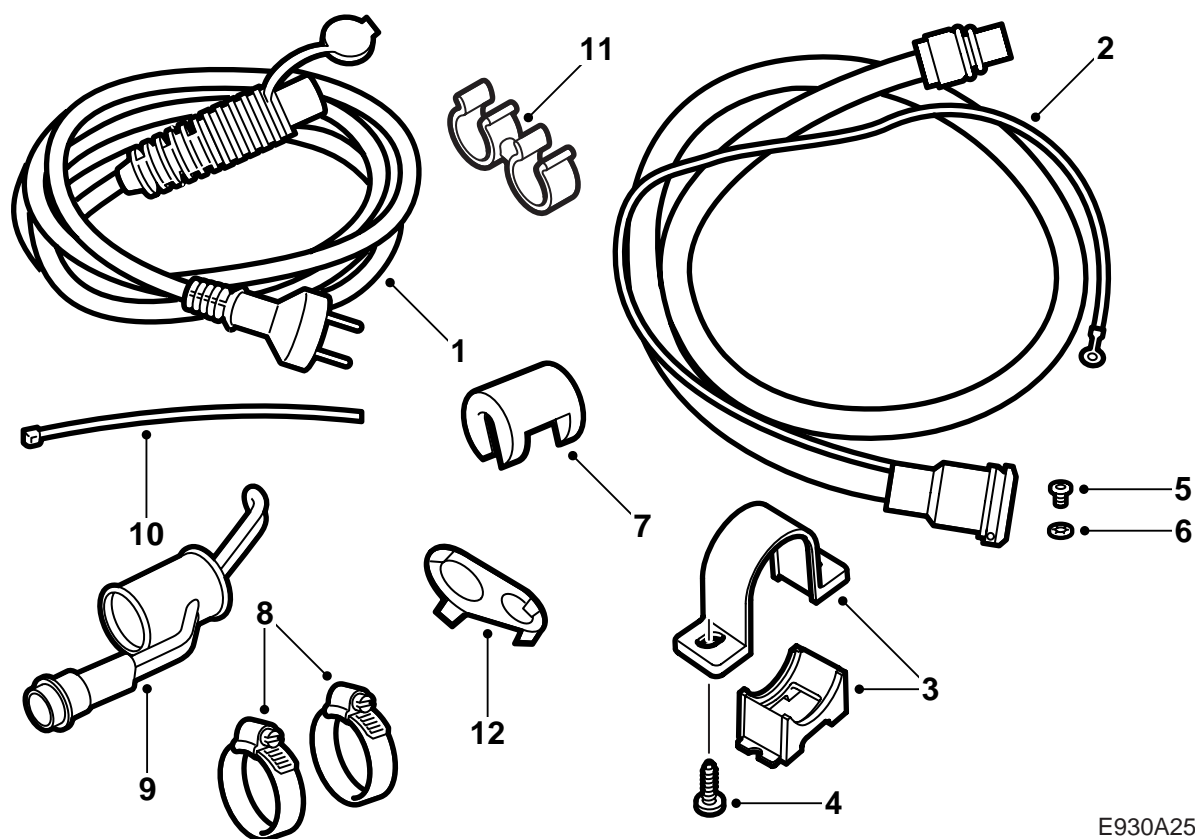


MONTERINGSANVISNING · INSTALLATION INSTRUCTIONS
MONTAGEANLEITUNG · INSTRUCTIONS DE MONTAGE

Saab 9-5 B308

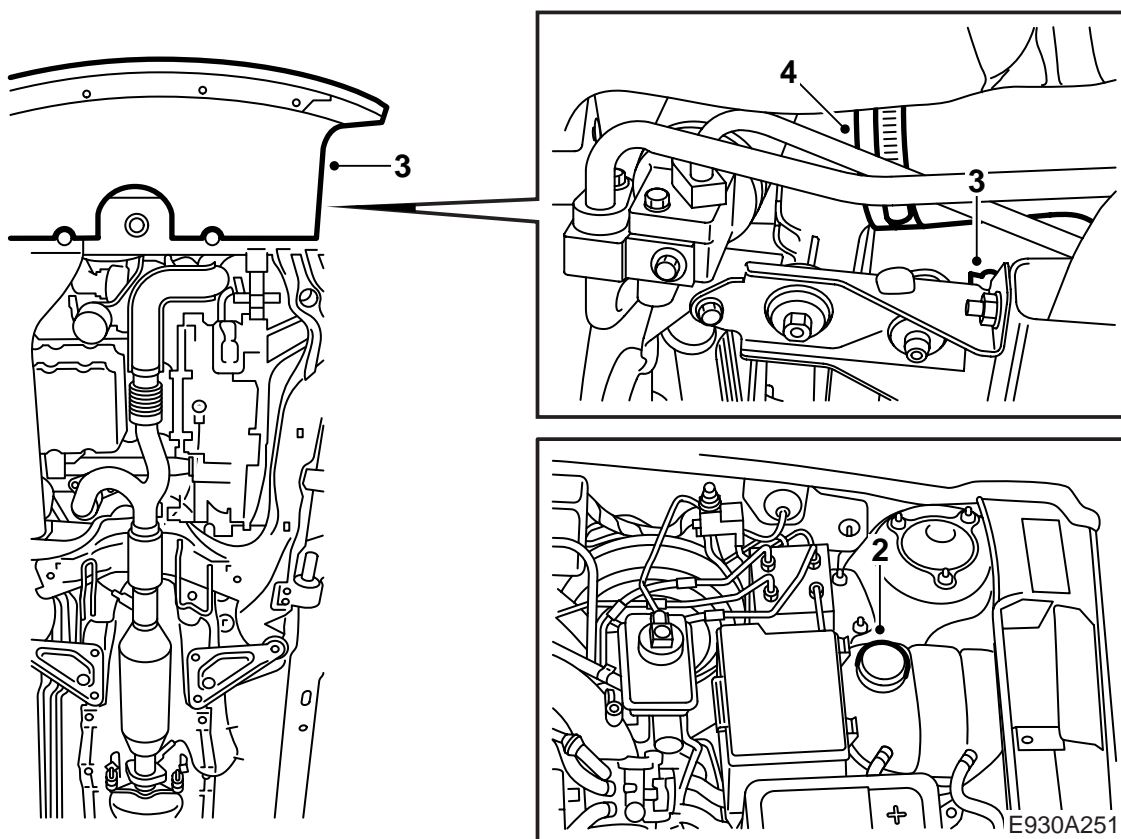
Parking heater

Accessories Part No.	Group	Date	Instruction Part No.	Replaces
400 130 613	9:87-32	Jul 01	53 29 289	53 29 289 Jun 01



E930A250

- 1 Extension cable
- 2 Connector plug and connector cable
- 3 Holder
- 4 Screw (2)
- 5 Bolt
- 6 Star washer
- 7 Locking clip
- 8 Hose clip (2)
- 9 Heating element
- 10 Cable tie (5)
- 11 Double clip
- 12 Seal (3)



- 1 Read fully through the installation instructions and check that all the parts are present in the kit.

Note

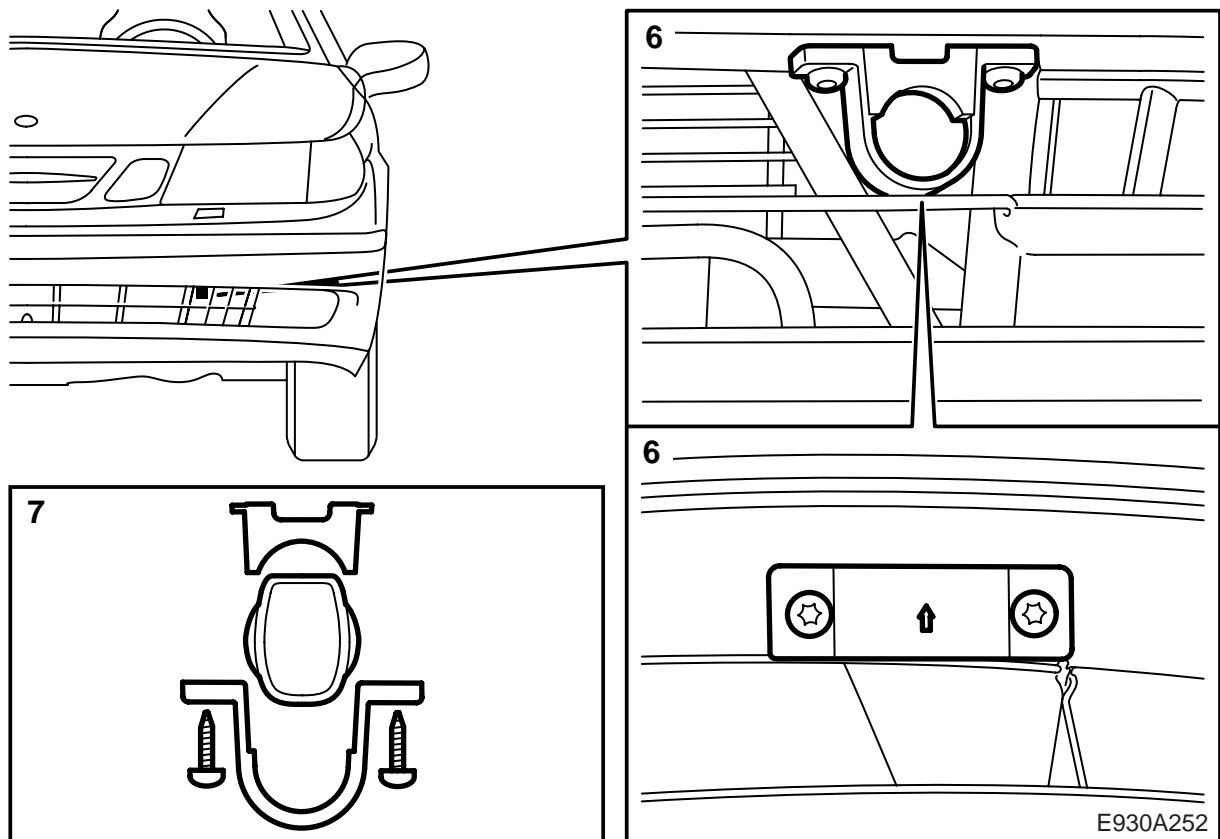
Check the radio code and make a note of it if the car is equipped with a radio other than the Saab Audio System.

- 2 Lay covers on the wings and remove the cap on the coolant system expansions tank.

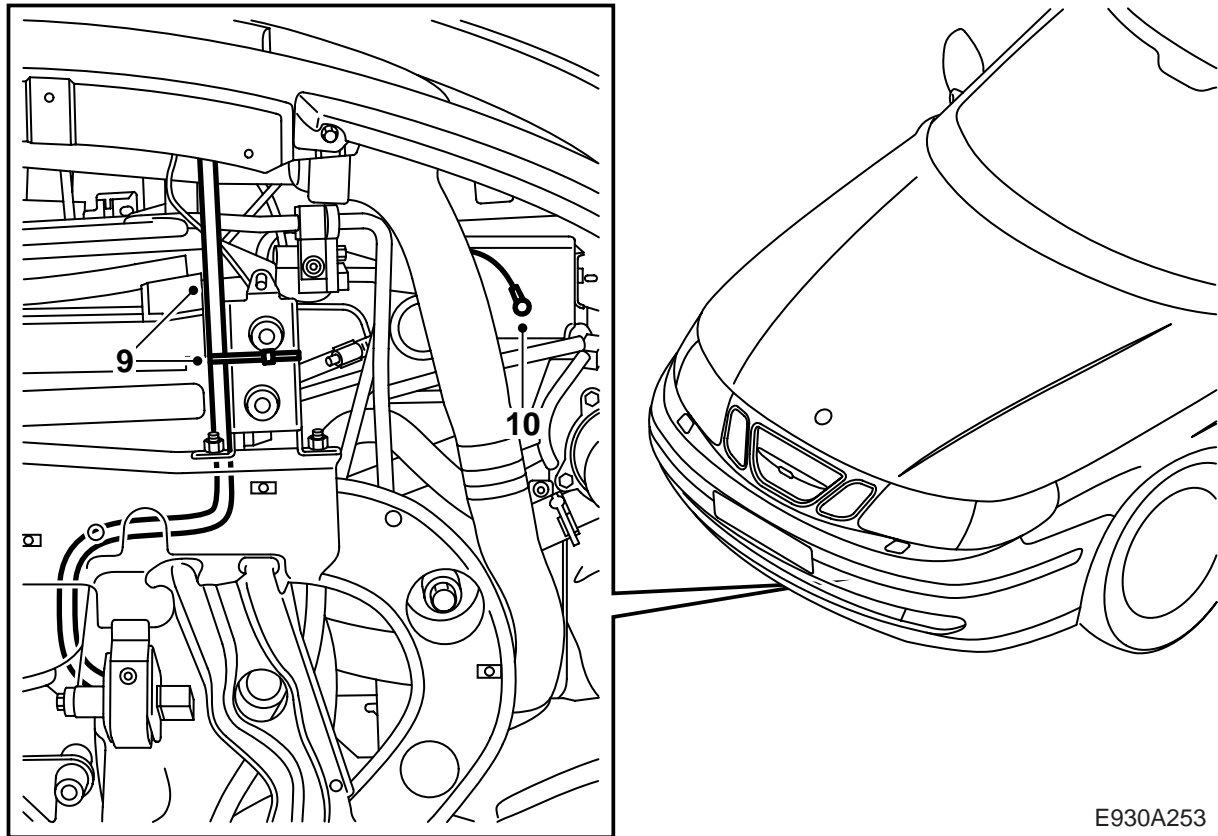
WARNING

Take care if the engine is hot as the coolant will also be very hot. There is also a danger of getting burnt on the exhaust manifold.

- 3 Raise the car. Use a receptacle to collect the coolant. Remove the air shield behind the bumper, connect a hose, open the drain plug and drain the coolant.
- 4 Undo the hose clip on the turbo delivery pipe from the charge air cooler. Leave the hose clip hanging on the charge air cooler.

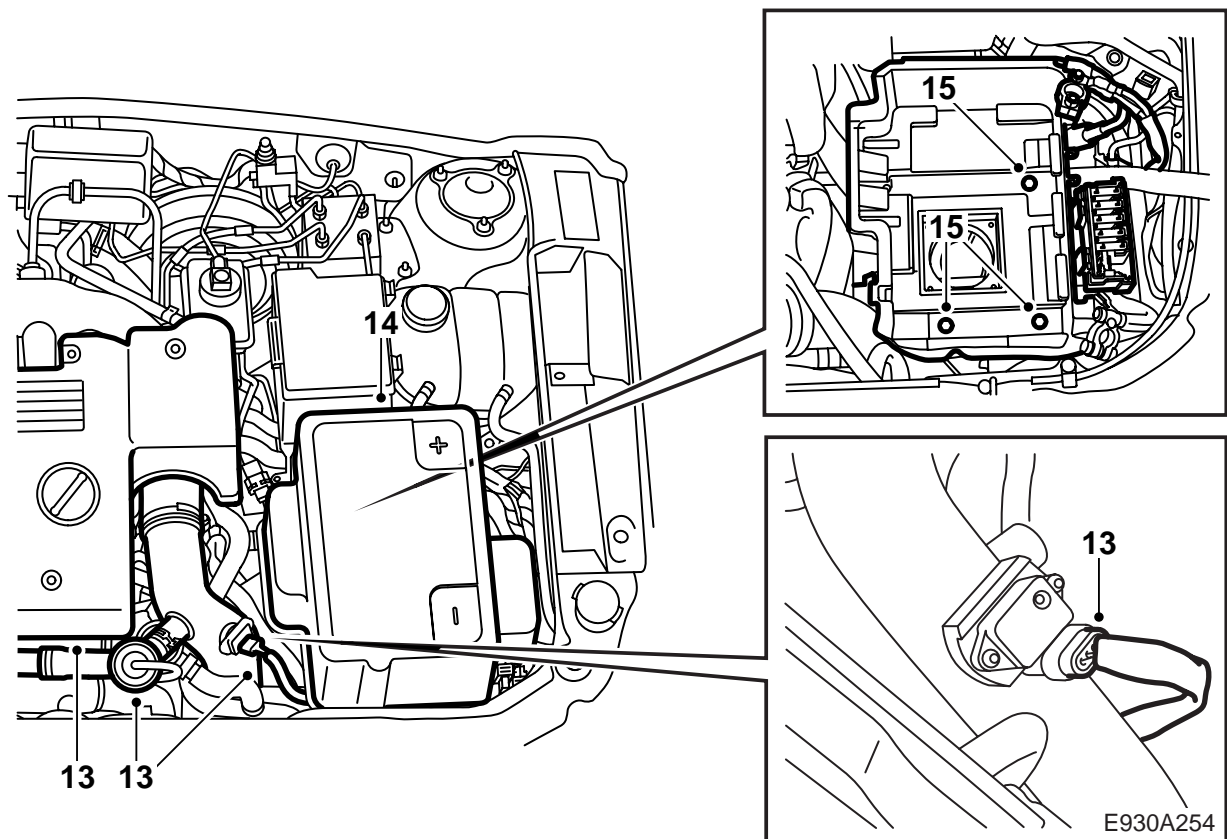


- 5 Lower the car to a suitable working height for fitting the connector plug to the bumper shell.
- 6 Mark the location for the supply connector bracket. The arrow on the bracket should point forwards. Make holes with a bradawl.
- 7 Place the supply connector in the bracket so that the cover opens upwards. Fit the bracket to the bumper.
- 8 Raise the car and close the drain plug.



E930A253

- 9 Run the connecting cable between the radiator and the subframe. Place the connecting cable connector on top of the gearbox and secure the cable as illustrated.
- 10 Drill a 3.5 mm diameter hole for the ground cable in the underside of the left-hand structural member.
- 11 Scrape off any paint to ensure a good ground connection and secure the ground cable with a screw and lock washer (place the lock washer between the ground cable terminal and the body). Apply light anti-corrosion agent, part no. 30 15 971. Secure the ground cable along the supply cable.
- 12 Fit the air shield and lower the car.

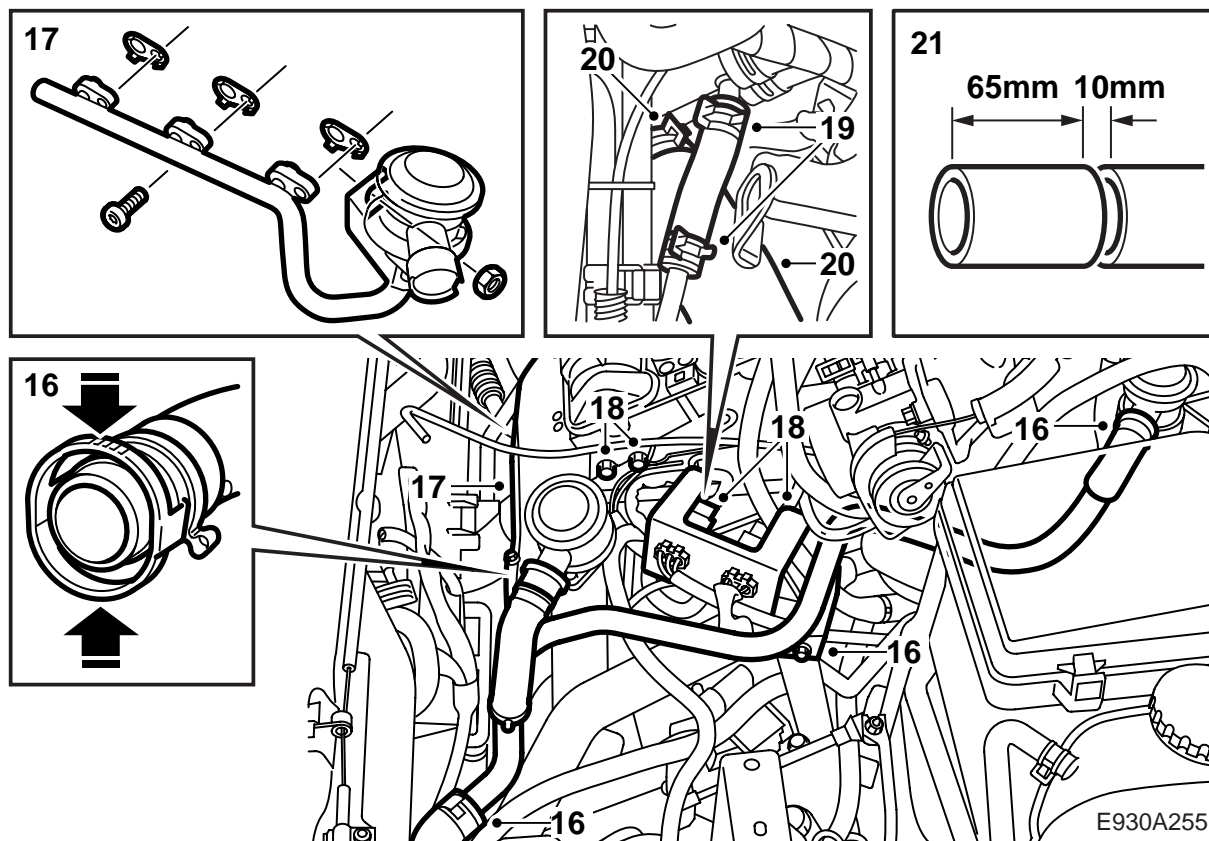


13 Remove the engine cover and the bypass pipe and valve. Plug the inlet of the pipe in the turbocharger intake pipe.

Unplug the temperature/pressure sensor connector and remove the turbocharger delivery pipe.

14 Remove the cover from the battery, disconnect the battery cables and breather hose and remove the battery.

15 Remove the battery tray.

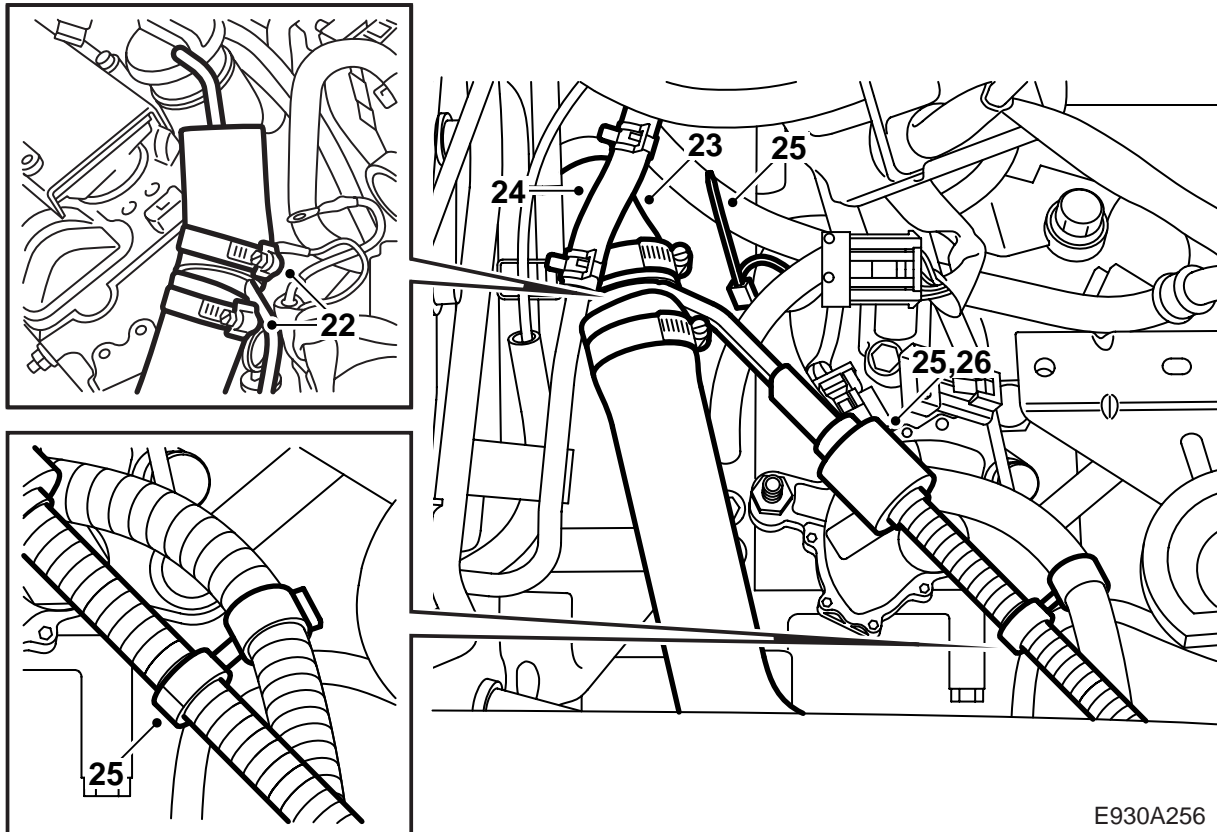


- 16 Disconnect the air injection pipe from the valves and supply hose, and remove the bracket and air injection pipe.
- 17 Remove the heat shield and the valve with pipe.

Important

Discard the three seal. New seals must **always** be fitted if the pipe is removed.

- 18 Remove the wiring harness bracket from the engine and gearbox and undo the grounding point on the cylinder head. Move the bracket aside.
- 19 Detach the turbo junction hose from the coolant pipes.
- 20 Undo the coolant hose on the pipe end.
- 21 Mark with tape or similar and cut off the coolant hose 65 mm from the coolant inlet on the engine and remove about 10 mm as illustrated.

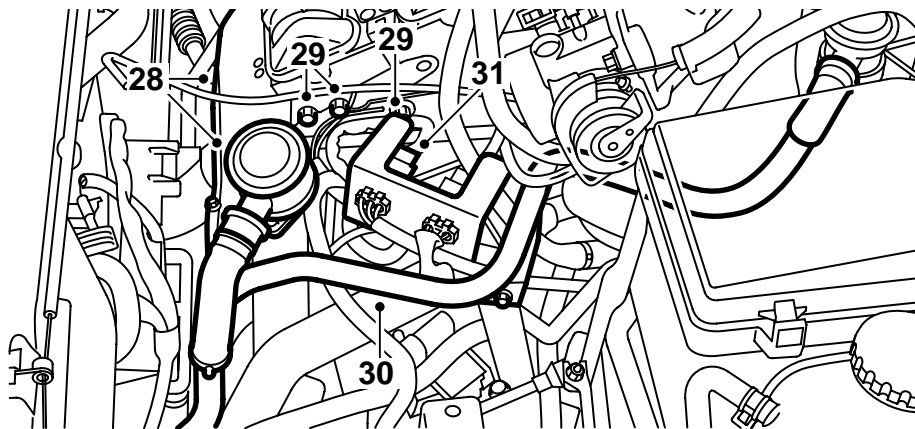
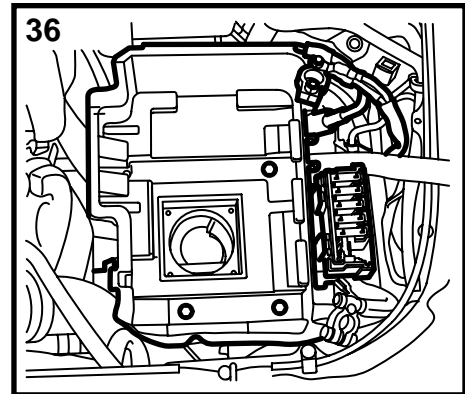
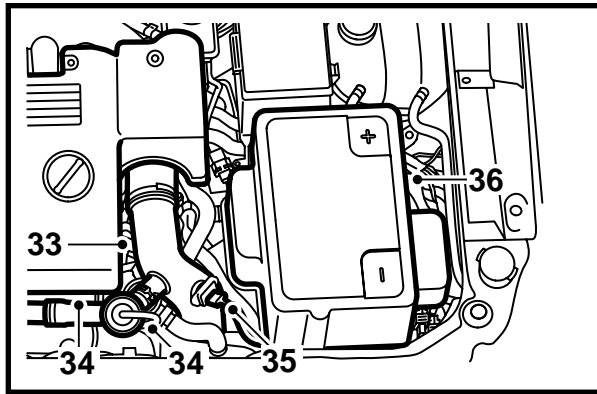


E930A256

- 22 Fit the heater to the hose with two hose clips. Check the position of the heater in the hose making sure that the heating element is not touching anything. The hose clips must be positioned so that any subsequent necessary adjustments can be made.
- 23 Fit the coolant hose to the pipe end.
- 24 Fit the junction hose on the coolant pipe to the turbo.
- 25 Pull out the connector cable and grease the O-ring with acid-free vaseline. Connect the connector cable to the heating element. Secure the cable to the gearbox cable with the double clip, and to the left-hand structural member with a cable tie.
- 26 Fit the lock clip over the connection. A click should be heard when the lock clip is fitted correctly.

⚠ WARNING

Make sure the cable is not resting on moving parts, sharp edges or hot surfaces. Secure the cable with cable ties.



E930A257

- 27 Put back the mounting.
28 Fit the valve with pipe.

Important

Always fit new gaskets when the valve with pipe has been removed.

Fit the heat shield.

- 29 Fit the mounting with cable harness. Screw on the ground cables.
30 Connect the air injection pipe to the valves, bracket and supply hose.

Important

Make sure the pipe is connected correctly to the valves, see illustration.

- 31 Fit and plug in the connectors to the bracket by the crankcase ventilation pipe.
32 Check the ground connection between the ground pin on the connector plug, the heater casing and the car body.
33 Lower the turbocharger delivery pipe and connect it to the charge air cooler and throttle body. Raise the car and check that the pipe is connected correctly. Tighten the hose clamp securing the turbocharger delivery pipe to the charge air cooler. Lower the car.
34 Remove the plug, grease the O-ring with petroleum jelly and fit the bypass pipe and valve. Fit the engine cover.

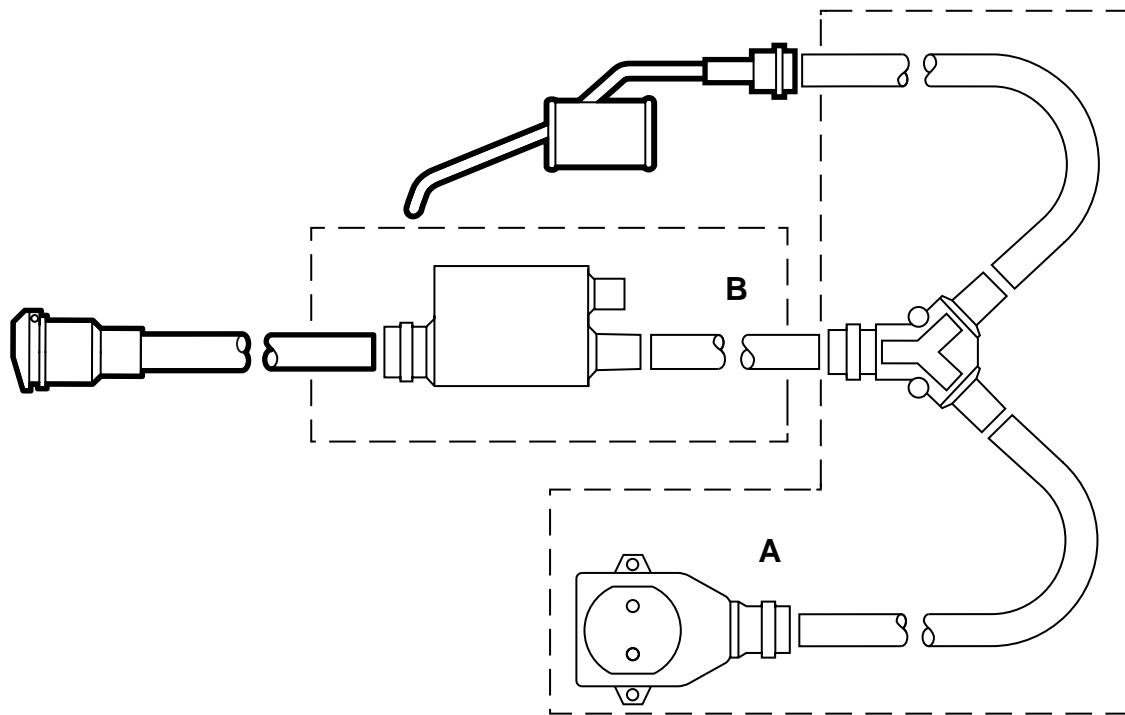
- 35 Plug in the connector for the temperature/pressure sensor on the turbocharger deliver pipe.
36 Fit the battery tray and the battery. Connect the battery and refit the battery cover.
37 Fill up with coolant and check the system for leaks.
38 Bleed the cooling system in the following way:

Note

The A/C or ACC should be turned OFF.

Fill the system to MAX, close the cap on the expansion tank, start the engine and warm it up at varying engine speeds until the radiator fan starts. Carefully open the cap on the expansion tank and let the engine run at varying accelerator position until the radiator fan has started three more time. Stop the engine and top up to MAX as necessary. Check the function of the heater.

- 39 Adjust the time and date on the car clock and program the radio code where applicable.
40 Place the installation instructions in the car and draw the customer's attention to the user instructions.



E930A082

- A Branch cable set
- B Timer kit

User instructions

- The extension cable must be made of oil-resistant rubber and approved for outdoor use with a cross-sectional area of at least 3x1.5 mm².
- The engine heater must be connected to a grounded outlet only.
- Handle all cables with care. Pay particular attention to the risk of pinching between the bonnet and the body of the car and the risk of cuts on sharp metal components.

 **WARNING**

Check regularly the ground connection between the ground pin in the connector plug, the heater casing and the car body.

- Inspect regularly the extension cable for damage or ageing. Damaged cables must be renewed immediately.

Note

The function of the heater will be at risk if:

- there are impurities in the coolant
- the coolant level is too low or if there is air in the system
- there is ice slush in the system
- radiator sealant is used