

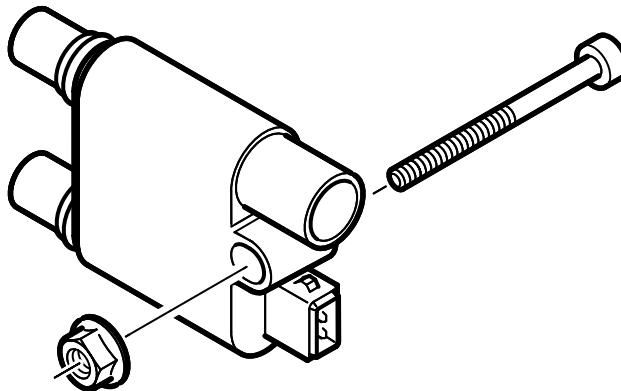


MONTERINGSANVISNING · INSTALLATION INSTRUCTIONS
MONTAGEANLEITUNG · INSTRUCTIONS DE MONTAGE

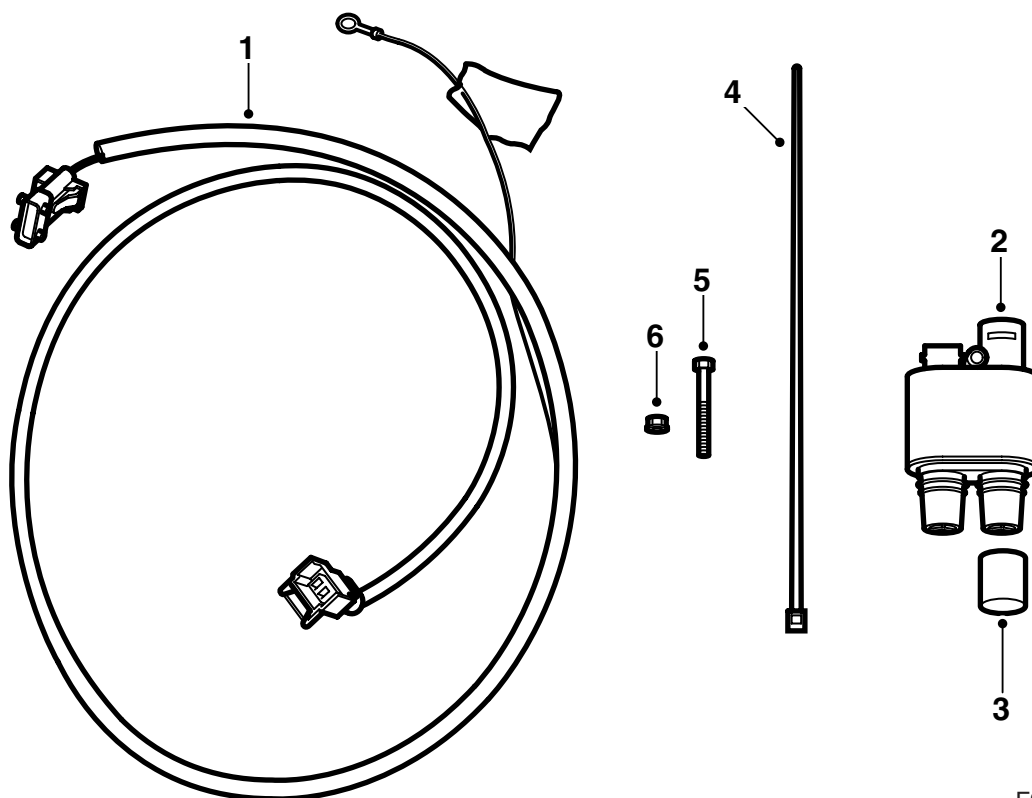
Saab 9-3 M03-07

Timer kit

Accessories Part No.	Group	Date	Instruction Part No.	Replaces
32 025 771	9:87-39	Dec 07	12 788 439	12 788 439 Jan 06

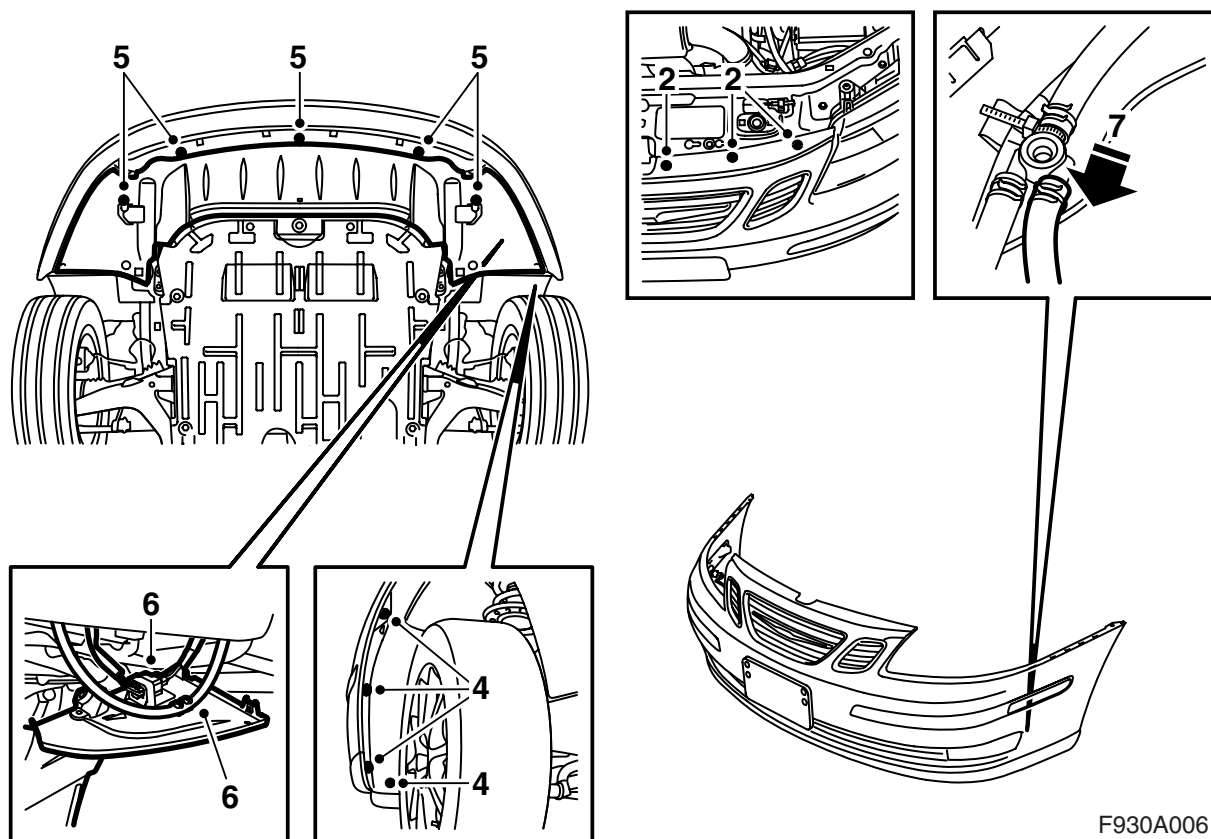


F930A040



F930A005

- 1 Wiring harness
- 2 Timer relay
- 3 Protective cap
- 4 Cable tie (x7)
- 5 Bolt
- 6 Nut



F930A006

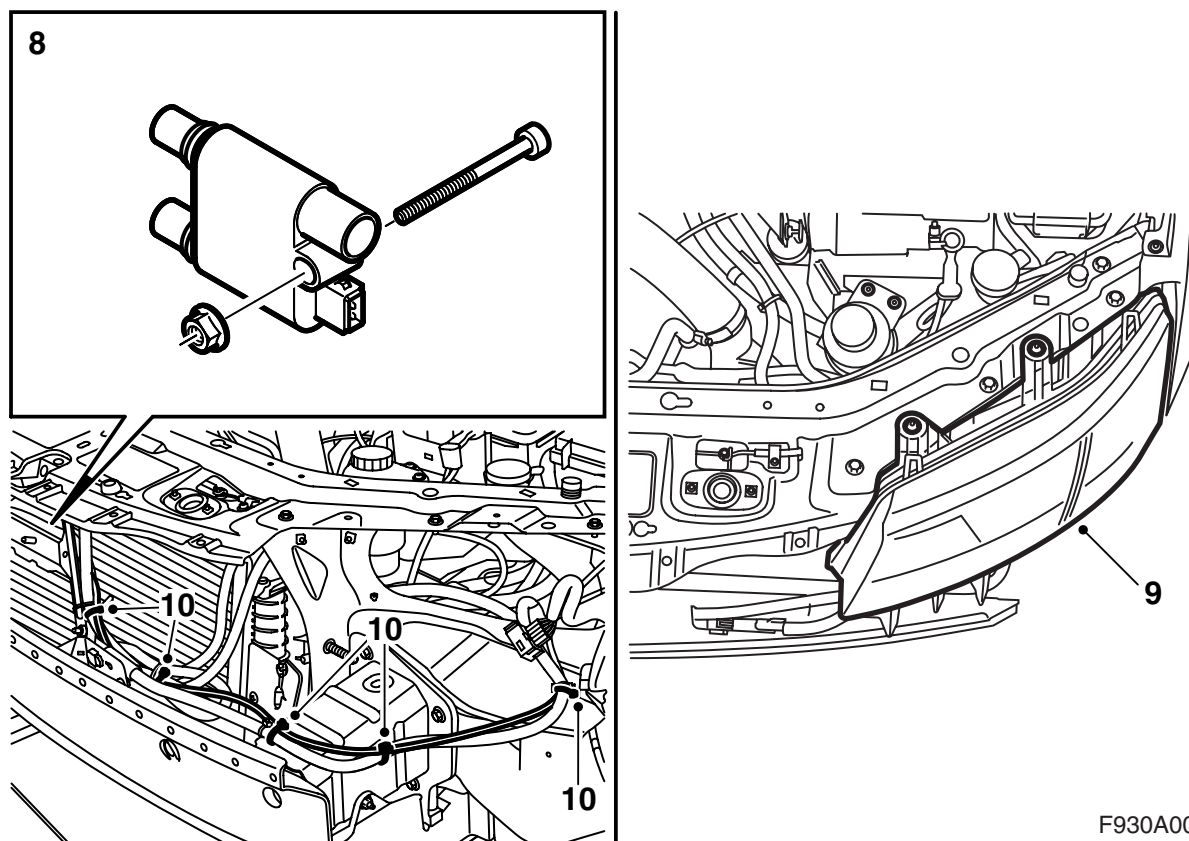
Fitting the timer relay

- 1 Disconnect the negative battery cable.
- 2 Remove the bumper shell clip from the upper radiator member.
- 3 Raise the car.
- 4 Remove the bumper bolt in the wheel housing.
- 5 Remove the spoiler shield.
- 6 Unplug the bumper connector and remove it from the holder on the spoiler shield.

Cars with headlamp washers: Unhook the hose from the spoiler shield.

- 7 Lower the car, pull out the bumper shell side pieces and remove the bumper.

Cars with headlamp washers: Detach the hose from the branching piece and plug the hose with an 8.5 mm drill.

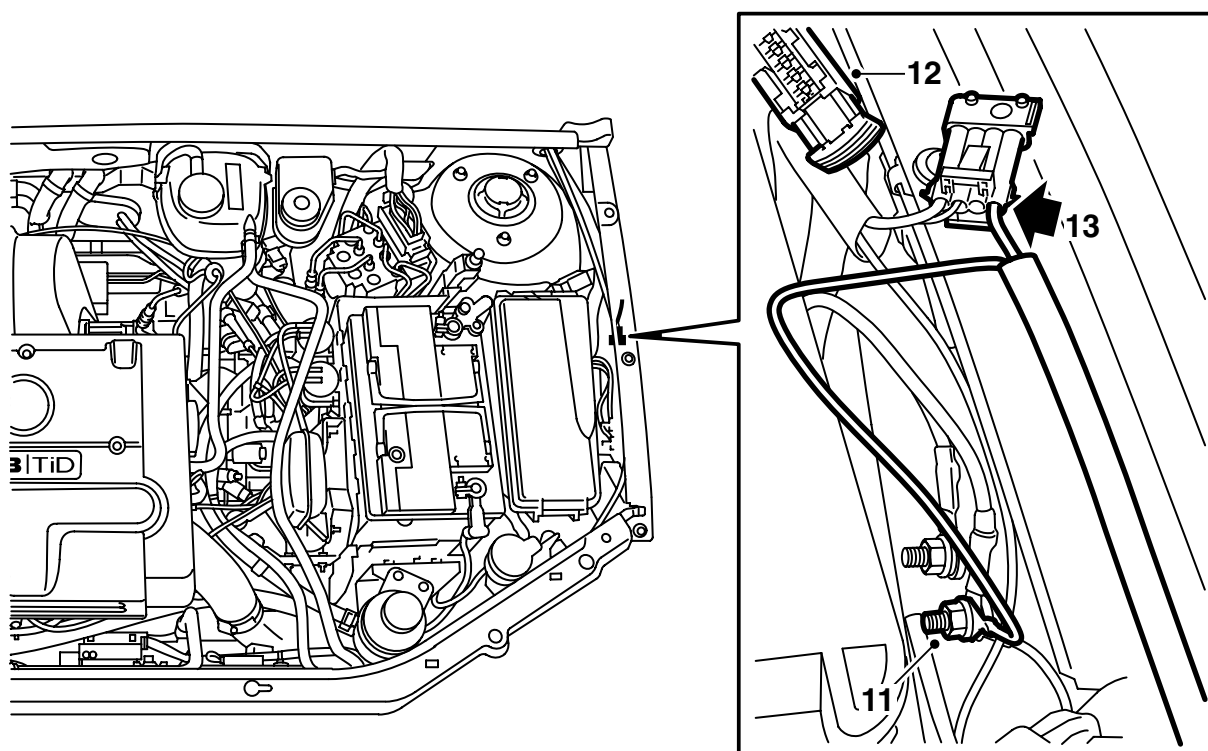


F930A007

- 8 If the car has been fitted with a branching kit:**
Remove the branch contact and connect the timer relay. Fit the relay in the mounting hole of the branch contact.
- If the car is not fitted with a branching kit:**
Proceed with "Additional measures when fitting a timer together with an engine block heater and cabin wall socket if the car is not fitted with a branching kit".
- If the car is fitted with an engine block heater only:** Proceed with "Additional measures when fitting a timer together with an engine block heater".
- 9** Remove the left-hand headlamp.
- 10** Connect the wiring harness to the timer relay, run the wiring harness along the connecting cable and then let it follow the horn wiring harness down to the bumper member and then the impact sensor wiring harness. Secure the timer relay wiring harness at the same points and the impact sensor wiring harness (5 off).

Important

The timer relay wiring harness must be placed next to the impact sensor wiring harness in the opening for the headlamp.



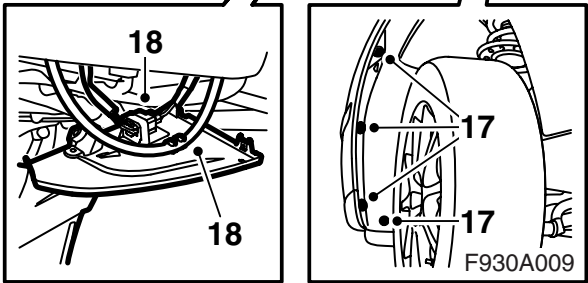
F930A008

- 11 Connect the ground cable to the front grounding point (G30A) in the engine bay main fuse box.
- 12 Locate the "Pre Acc" outlet between the engine bay main fuse box and the front wing and remove any adhesive tape or dummy connector.
- 13 Connect the wiring harness to the four pole "Pre Acc" outlet.

Note


If the four pole "Pre Acc" outlet is already used, connect into the existing connector as follows

- Unplug "Pre Acc"
- Remove the seal from the connector on the timer relay wiring harness and extract the cable.
- Insert the cable into the connector that was plugged into "Pre Acc", position 4.
- Plug in the connector to "Pre Acc".



- 15 Lift up the bumper.



 **WARNING**

Check that the wiring harness is not pinched. Incorrect fitting can damage the wiring harness and cause a short-circuit/fire.

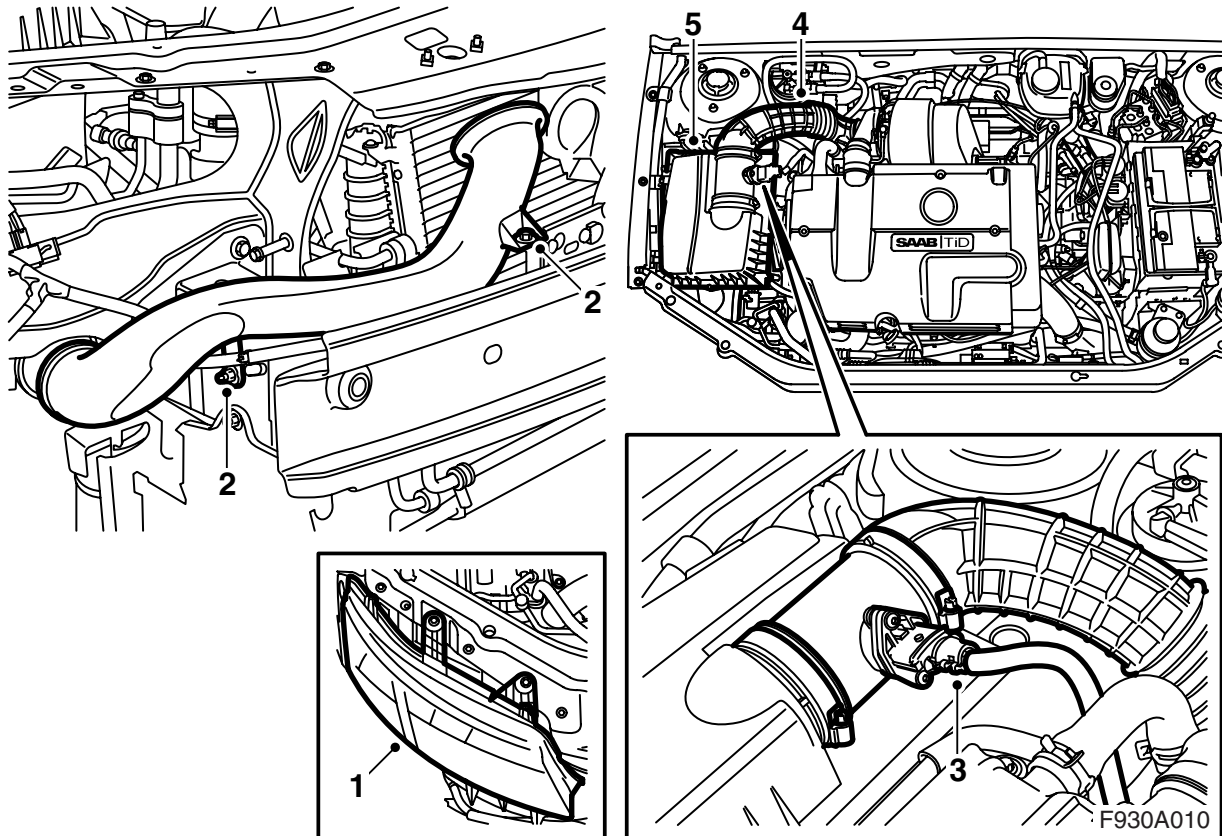


19 Lower the car and check the fit of the bumper.

- 20 Connect the negative battery cable.
- 21 Adjust the time and date.
- 22 **Cars with headlamp washers:** Check the function of the headlamp washers.
- 23 Connect the diagnostic tool, select car and model year, select "All", select "Add/Remove", select the accessory and then "Add".

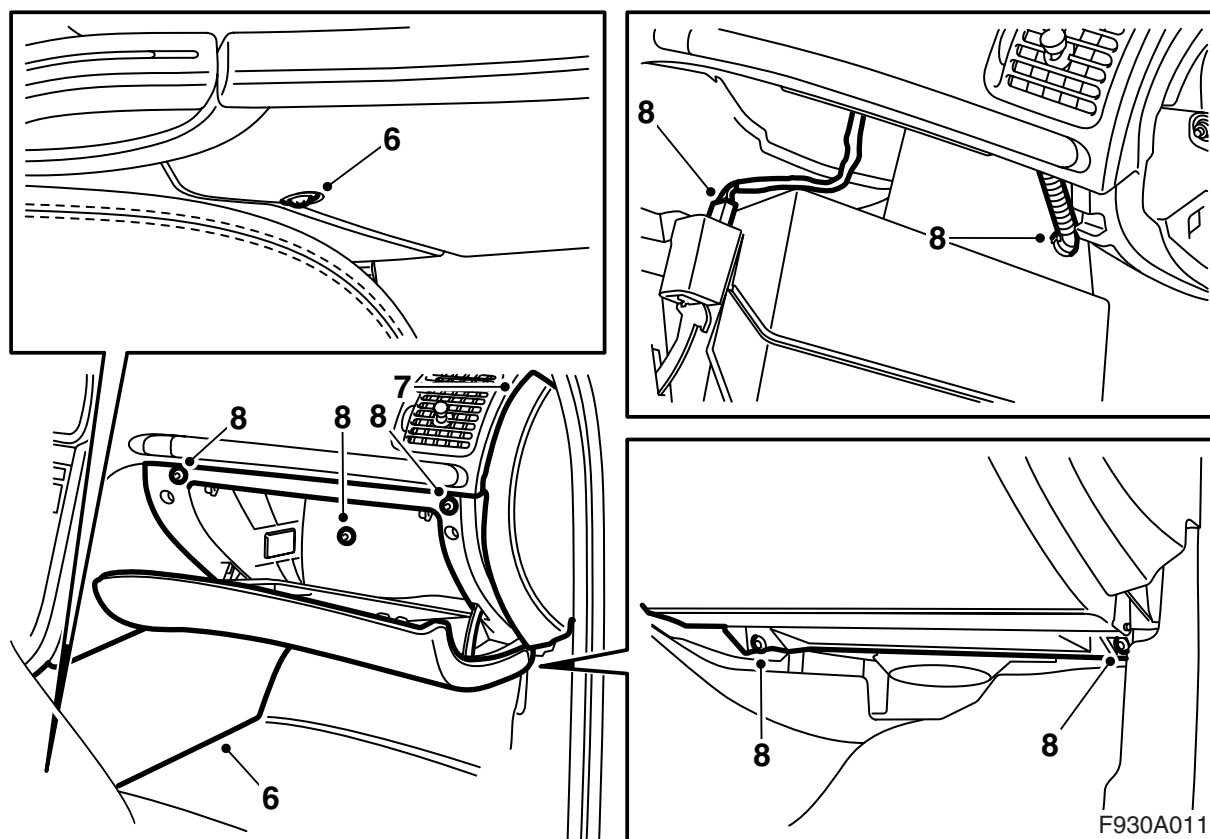
Occasionally, the diagnostic tool is required to procure a security code from TIS. Information regarding the appropriate procedures will be shown in the diagnostic tool display.

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- Saab 9-3 M03-07

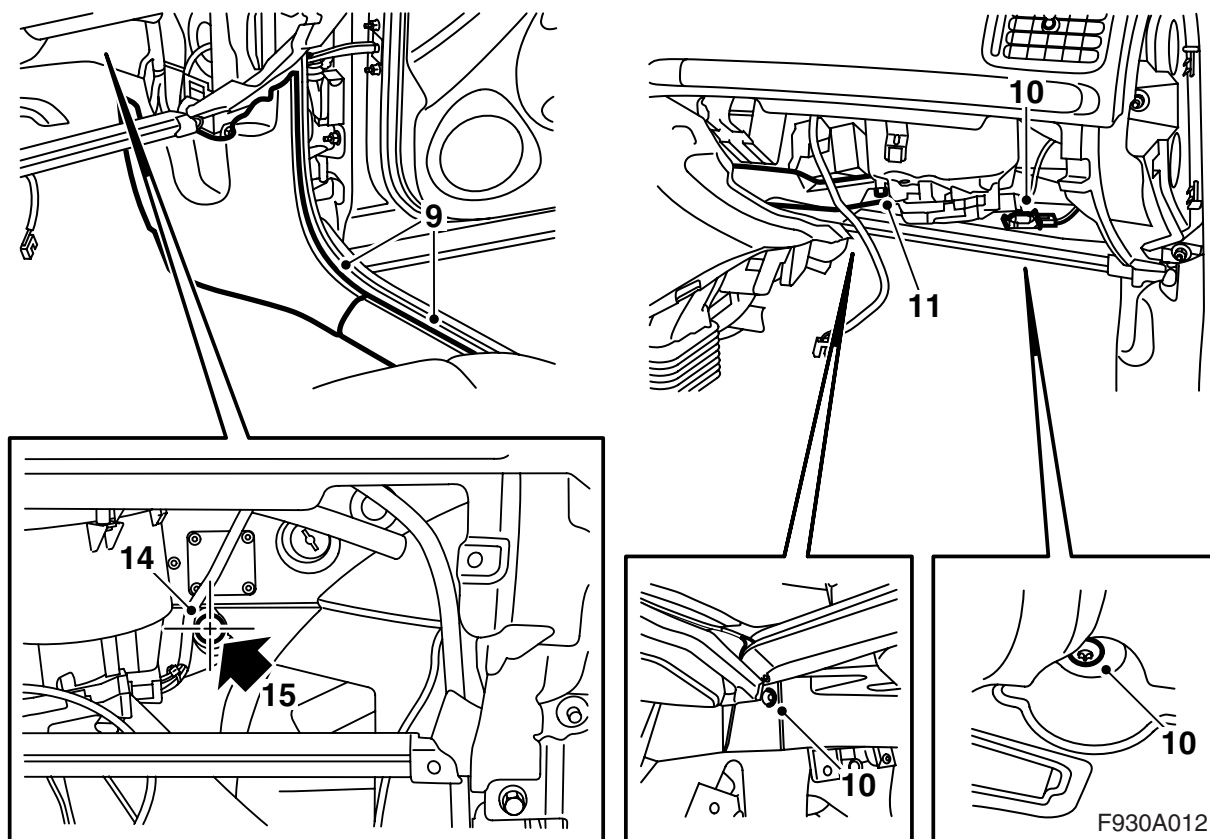


Additional measures when fitting a timer together with an engine block heater and cabin wall socket if the car is not fitted with a branching kit

- 1 Remove the right-hand headlamp.
- 2 Remove the intake pipe.
- 3 Unplug the mass air flow sensor connector.
- 4 Remove the intake hose from the mass air flow sensor.
- 5 Remove the air cleaner.



- 6 Remove the floor console side trim.
- 7 Remove the right-hand end of the dashboard.
- 8 Remove the glove box, pull it out and unplug the connector for the lighting and the cooling hose if fitted.

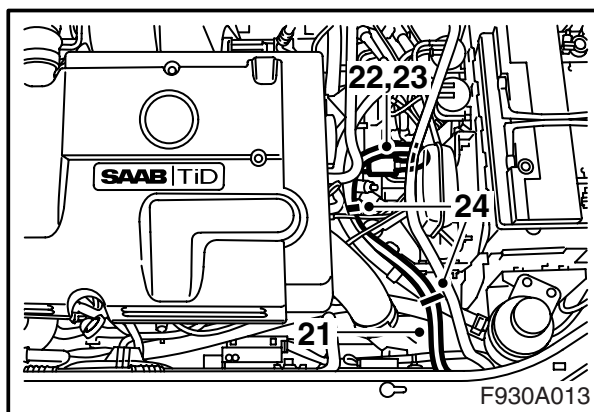
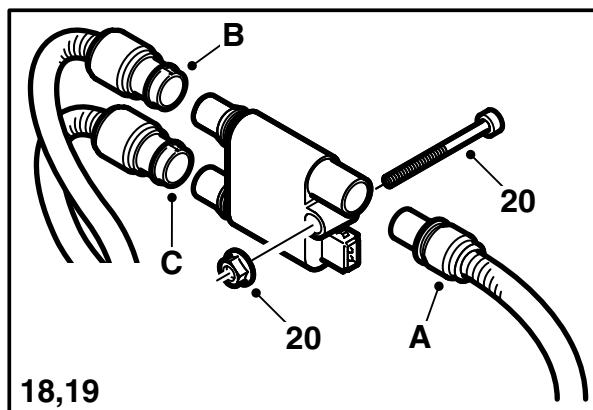
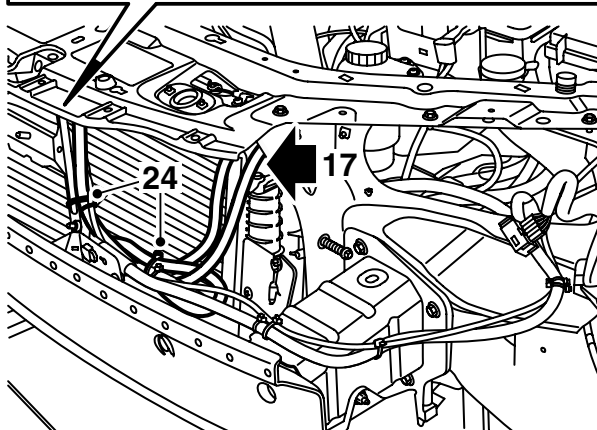
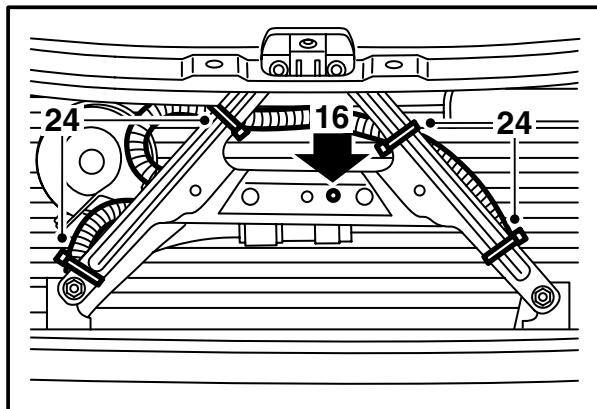


- 9 Remove the inner scuff plate and the A-pillar lower trim.
- 10 Unplug the floorwell lighting connector and remove the lower part of the glove box.
- 11 Remove the air duct.
- 12 Fold the carpet aside.

Important

Observe great care not to fold the carpet too much. If it cracks in the foam occur, the sound insulation will be impaired considerably.

- 13 Cut out a piece of the insulation mat to see where to drill the hole in the bulkhead (the area is indicated by the arrow 15 in the illustration).
- 14 Draw a cross in the round impression on the bulkhead with a marker pen. Centre punch the centre of the cross.
- 15 Drill a 3 mm hole in the mark first and then use a 22 mm hole saw.



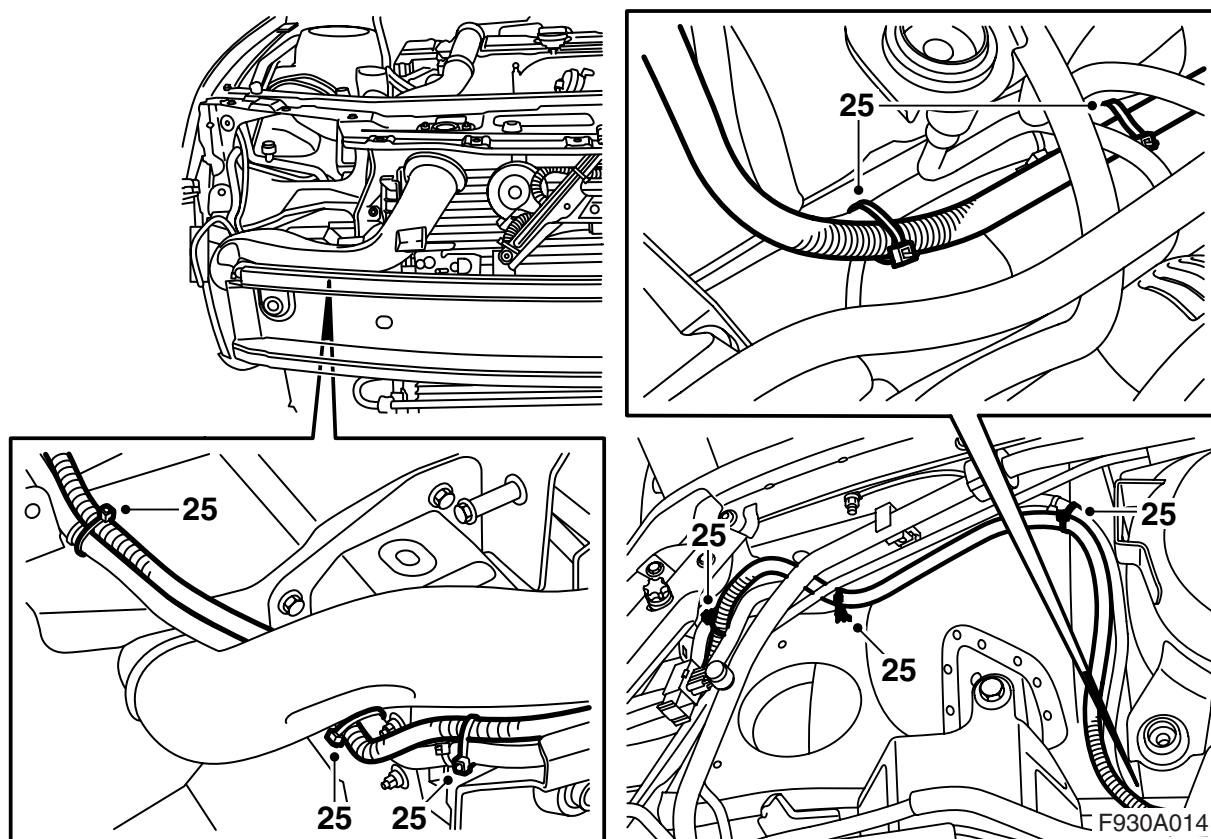
- 16 Drill a 6 mm hole in the horn bracket for the timer relay.

! WARNING

Pay attention so that the car's wiring harness is not damaged. Damage to the wiring harness may cause short circuits/fire.

- 17 **If the car has previously been equipped with an engine block heater:** Remove the connecting cable from the engine block heater and pull back the cable to the upper radiator member without undoing the cable tie. Run the connector cable under the radiator member between the left-hand headlamp and the radiator.
- 18 Plug the connecting cable into the timer relay (A).
- 19 Connect the 2.0 m extension cable for the engine block heater to the timer relay socket B and the 2.5 m extension cable for the cabin wall socket to the timer relay socket C.
- 20 Fit the timer relay to the horn bracket with the relay spacer heels against the bracket and fit the screw with its head facing the radiator. The extension cable connected to the timer relay B socket must be placed above the timer relay.

- 21 Run the 2.0 m extension cable along the connecting cable between the left-hand headlamp and the radiator, along the power steering hose and up to the engine block heater.
- 22 Apply non-acidic Vaseline, part no. 30 15 286, or equivalent to the connecting cable O-ring and plug the cable into the engine block heater.
- 23 Fit the lock clip over the connection. A click should be heard when the lock clip is fitted correctly.
- 24 Secure the extension cable with cable ties together with the connecting cable. Bend the cable evenly at the engine block heater so that it can absorb engine movement. Secure any excess extension cable behind the bumper member next to the horn bracket.



25 Run the 2.5 m extension cable into the cabin along the airbag wiring harness on the bumper member, under the AC pipes, along the wiring harness around the strut tower and into the cabin through the hole drilled in the bulkhead. Secure with cable ties.

26 Fit the cable grommet onto the extension cable from the cabin side.

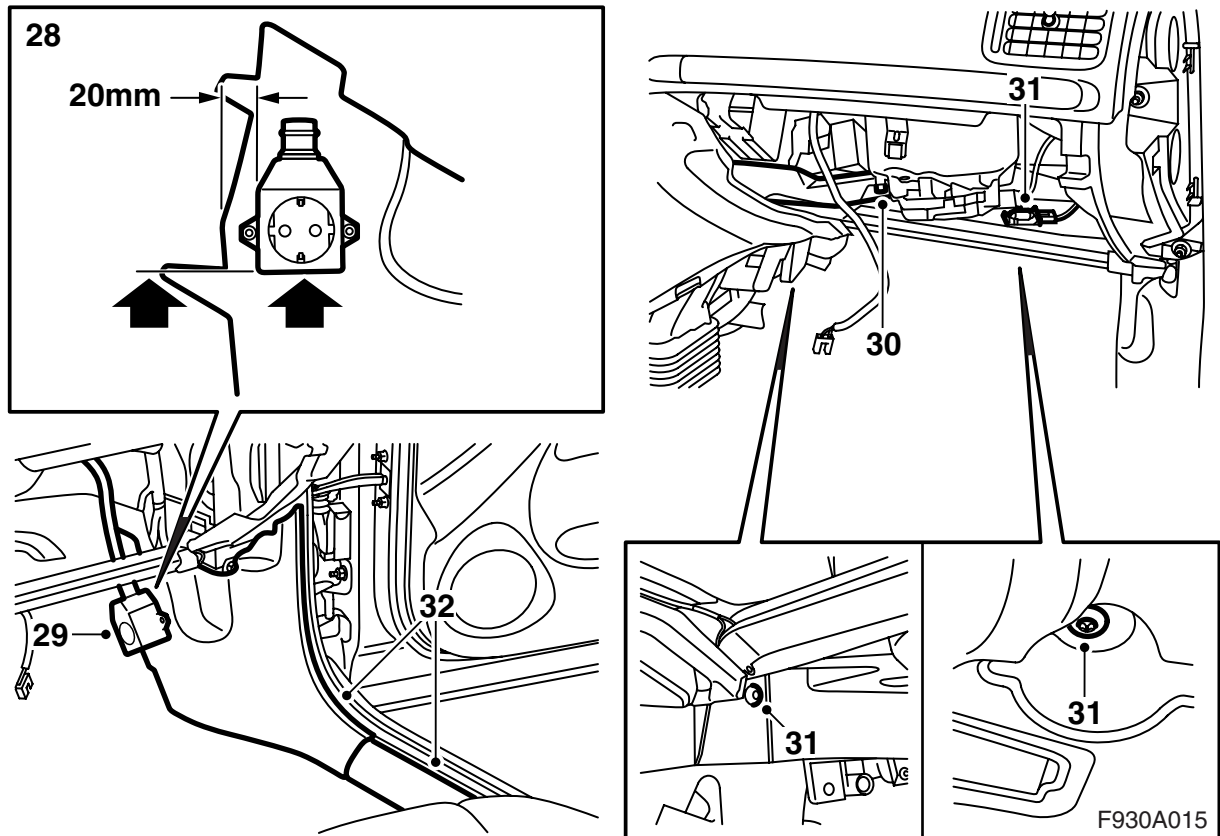
Note

A soap solution will facilitate fitting.

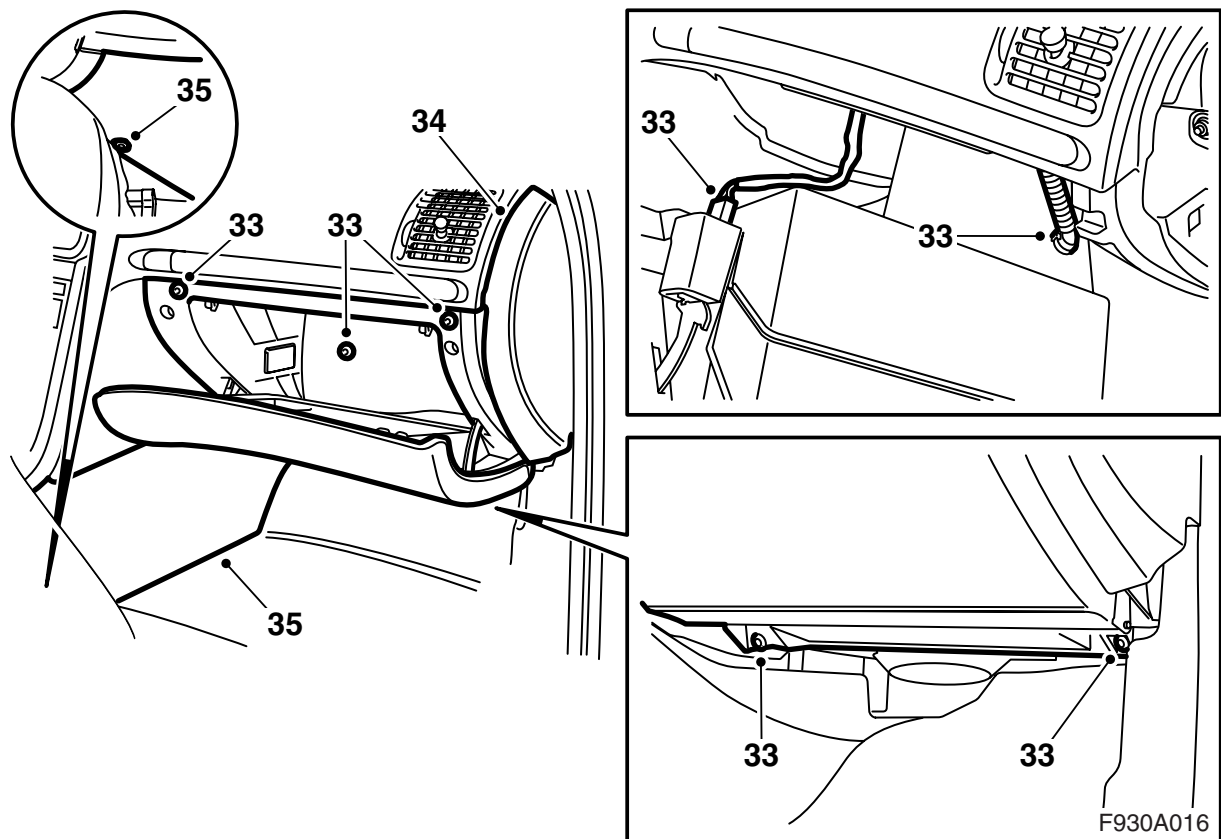
Place the cable grommet about 400 mm from the connector inside the car.

Important

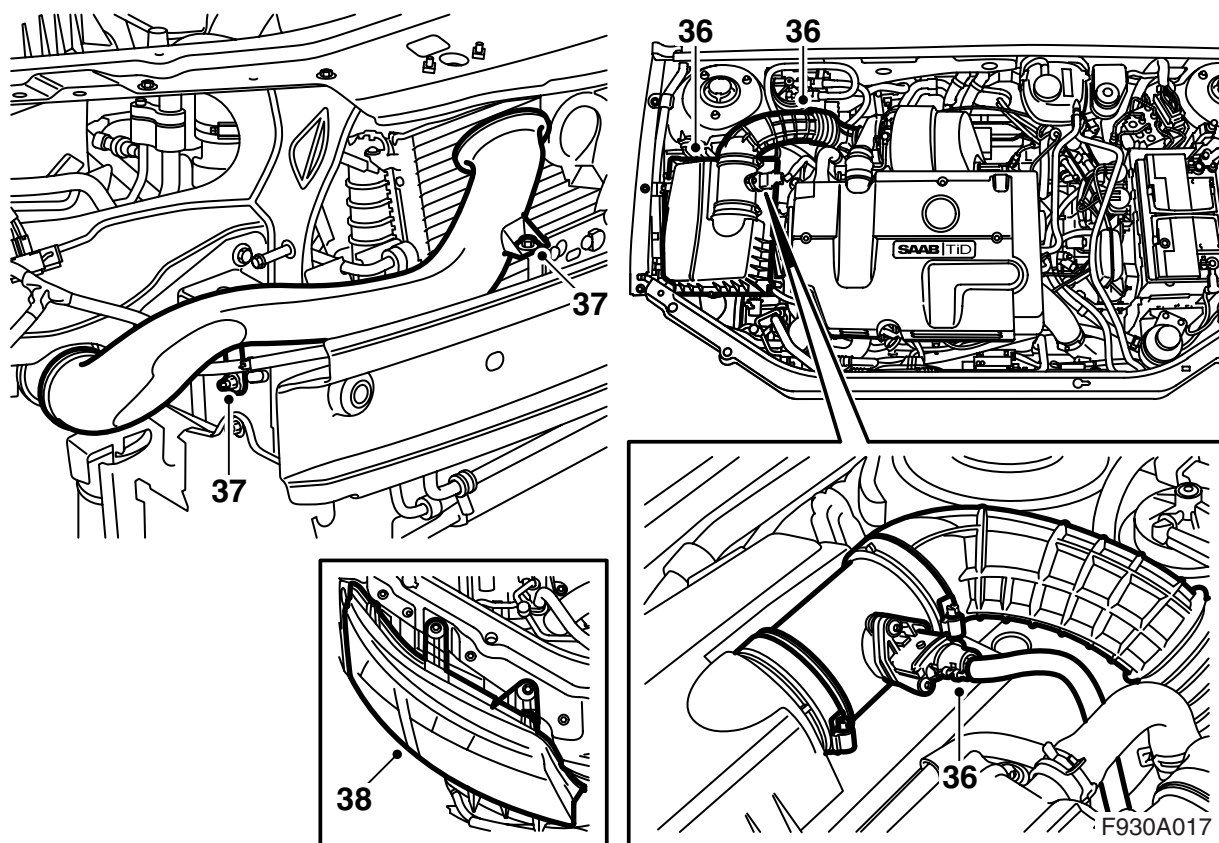
Make sure the cable grommet seals against the bulkhead.



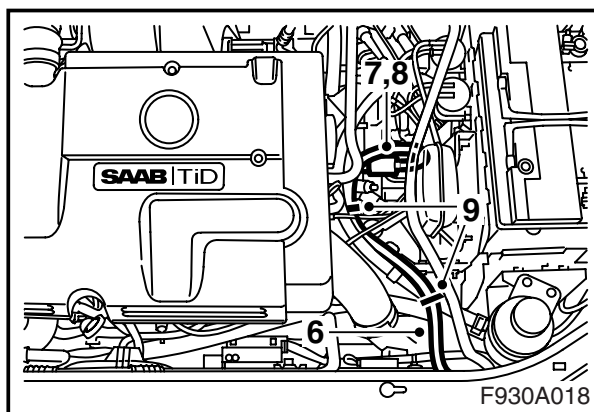
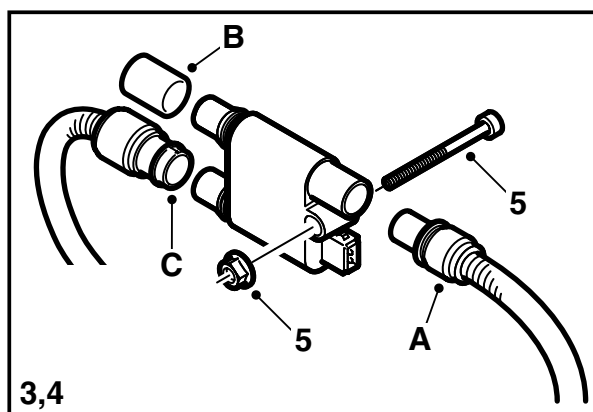
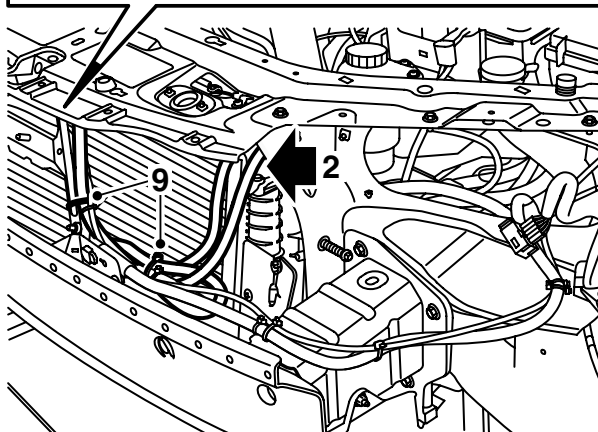
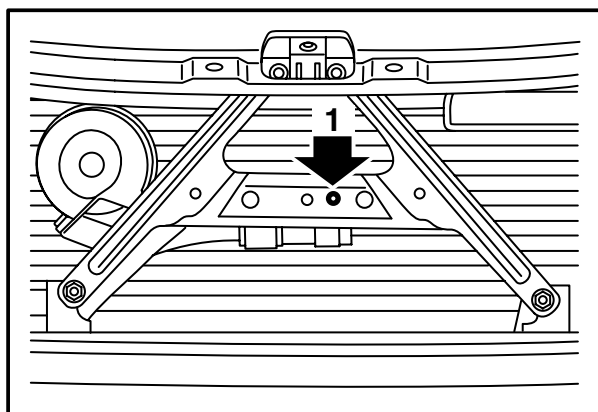
- 27 Bend the carpet back into place.
- 28 Mark out the position for the cabin wall socket on the A-pillar lower trim using the socket as a template. The socket must be located 20 mm from the edge with the bottom edge of the socket in line with the top edge of the lower guide pin. Drill two 3 mm holes and fit the cabin wall socket.
- 29 Apply non-acidic Vaseline, part no. 30 15 286, or equivalent to the extension cable O-ring and connect the cable to the socket.
- 30 Fit the air duct.
- 31 Fit the lower part of the glove box and connect the floorwell lighting.
- 32 Fit the A-pillar lower trim and the inner scuff plate.



- 33 Position the glove box, plug in the lighting connector and connect the cooling hose where appropriate. Fit the glove box.
- 34 Fit the right-hand end of the dashboard.
- 35 Fit the floor console side trim.



- 36 Fit the air cleaner and connect the intake hose and plug in the mass air flow sensor.
- 37 Fit the intake pipe.
- 38 Connect and fit the right-hand headlamp.
- 39 Proceed with "Fitting the timer relay" step 9.



Additional measures when fitting a timer together with an engine block heater

- 1 Drill a 6 mm hole in the horn bracket for the timer relay.

WARNING

Pay attention so that the car's wiring harness is not damaged. Damage to the wiring harness may cause short circuits/fire.

- 2 **If the car has previously been equipped with an engine block heater:** Remove the connecting cable from the engine block heater and pull back the cable to the upper radiator member without undoing the cable tie. Run the connector cable under the radiator member between the left-hand headlamp and the radiator.
- 3 Plug the connecting cable into the timer relay (A).
- 4 Connect the extension cable for the engine block heater to socket C and fit the protective cover over socket B.

WARNING

Check that the connection where the protective cap is to be fitted is clean and dry. The protective cap must be turned at least one rotation when being pressed into place.

- 5 Fit the timer relay to the horn bracket with the relay spacer heels against the bracket and fit the screw with its head facing the radiator.
- 6 Run the extension cable along the connecting cable, in between the left-hand headlamp and the radiator, along the power steering hose and up to the engine block heater.
- 7 Apply non-acidic Vaseline, part no. 30 15 286, or equivalent to the connecting cable O-ring and plug the cable into the engine block heater.
- 8 Fit the lock clip over the connection. A click should be heard when the lock clip is fitted correctly.
- 9 Secure the extension cable with cable ties together with the connecting cable. Bend the cable evenly at the engine block heater so that it can absorb engine movement. Secure any excess extension cable behind the bumper member next to the horn bracket.
- 10 Proceed with "Fitting the timer relay" step 9.

User instructions

- The extension lead must be a rubber cable, resistant to oil and approved for outdoor use with an area of at least 3x1.5 mm².
- The heater system may only be connected to a grounded socket.
- Treat all cables with caution. Watch out for damage caused by jamming the cable between the hood (bonnet) and the car body, and for cuts caused by sharp metal objects.



WARNING

Check the ground connection between the connecting cable ground pin, the heater casing and the car body regularly to prevent electric shocks.

- Inspect the extension lead regularly for damage and ageing. A damaged lead must be replaced immediately.

Note

The function of the heater can be at risk if:

- the coolant is polluted
- the coolant level is too low or if there is air in the system
- ice sludge is present in the system
- radiator cement is used