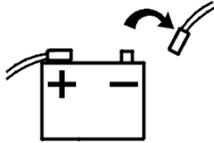
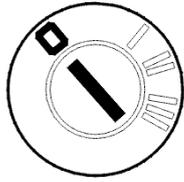


Replacing combined instrument panel

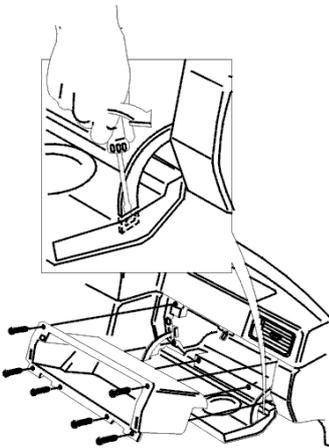
Note! In cars without an (SRS) passenger module start with [Removing of dashboard vents](#)

Preparations



- Make a note of radio code if anti-theft coded radio is installed.
- Ignition off.
- Disconnect the battery negative lead.

Removing glove compartment



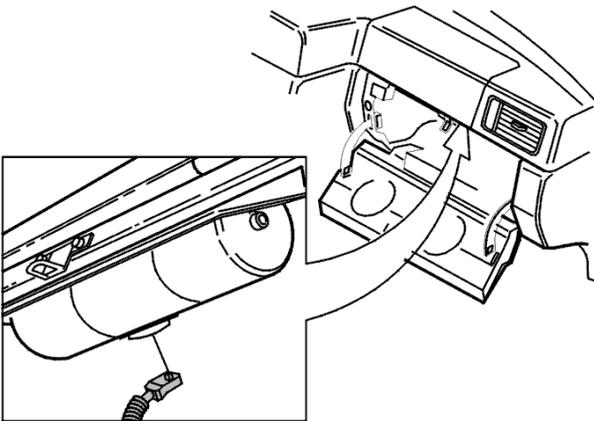
- Fold down glove compartment lid.
- Remove arms (x 2) from the glove compartment lid. Insert a small screwdriver between arm and lid, and prize out arm.
- Remove glove compartment insert (6 x Torx 25).

Removing connector from passenger module

Warning! The battery should not be connected when SRS ignition cable igniter connector is removed or installed.

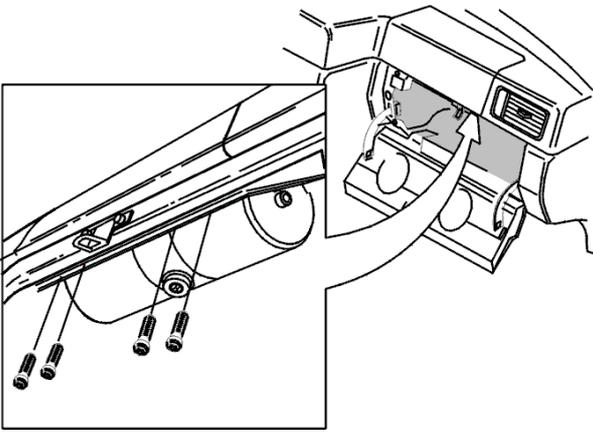
- Remove SRS ignition cable igniter connector from the underside of the passenger module.

Warning! Under no circumstances use an ohmmeter or other live measuring instrument to take readings on a disconnected, non-deployed airbag module. This could deploy the airbag!



Removing screw from passenger module mounting

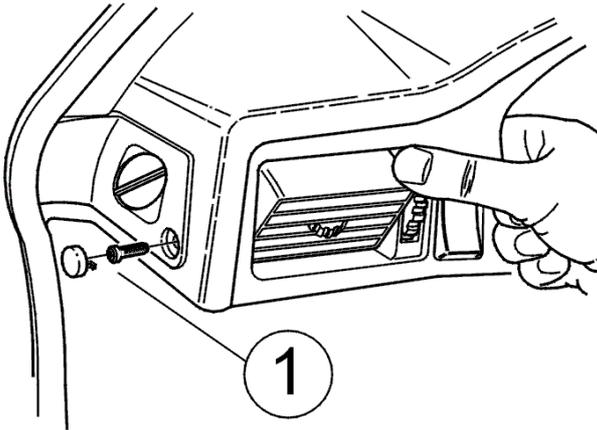
- Remove screws (4 x Torx 10 mm) from passenger module mounting. The screws are located on top of the glove compartment.



Removing of dashboard vents

Remove:

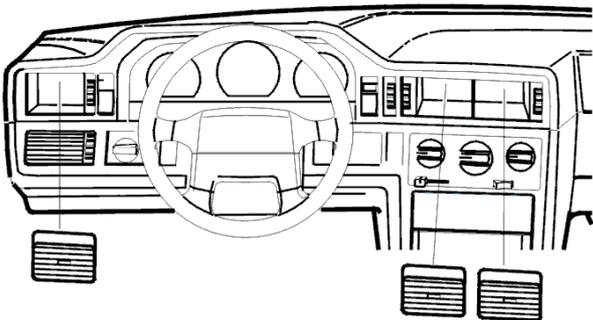
- Remove blind cover plugs, screws (2 x Torx 25) and right and left side defroster vents. See (1) in the illustration which shows the left-hand side.



Remove:

- Driver's side dashboard vent side defroster.
- The two center dashboard vents.

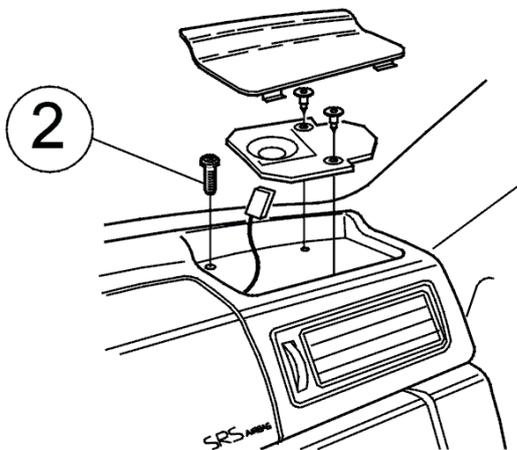
When removing dashboard vents. Twist vents downwards and pull out, or carefully prize with a screwdriver at the side and pull out.



Removing loudspeakers

Remove:

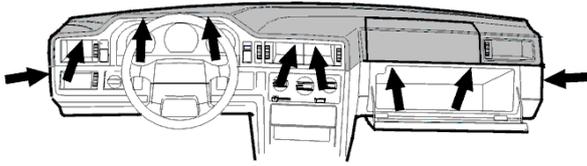
- Left and right loudspeaker grilles.
- plastic plugs (2) from left and right loudspeakers. Press the center of the plastic plug to loosen it before removing.
- Left and right loudspeakers.
- connectors from left and right loudspeakers.
- Right loudspeaker screws (Torx 25). See (2) in figure.



Removing cover (with passenger module)

Remove mounting screws (9 x Torx 25) from the as cover as follows.

Remove:



- screws (x 2) at each A-pillar
- screws (x 2) above combined instrument panel.
- screw (x 3) above the left and center dashboard vents.
- screws (2) above the glove compartment. If the car has no passenger module there are 3 screws.

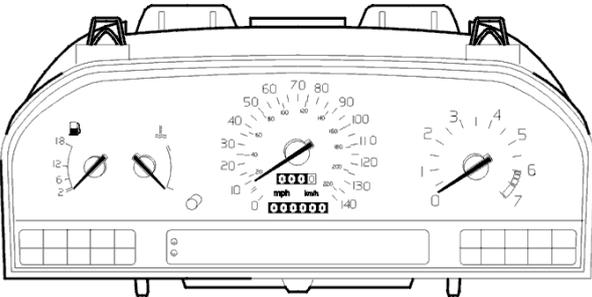
Pull cover (with passenger module) back to release it from its guide by the center dashboard vents. Carefully lift away the cover (with passenger module).

Caution! If a non-deployed passenger module is removed temporarily, it should be placed with the metal side (rear) downwards in a protected place.

Note! In cars with an (SRS) passenger module, connect the battery negative lead.

Removing/replacing combined instrument panel

Note! Read off the data from the control module before replacing the printed circuit board or combined instrument panel.



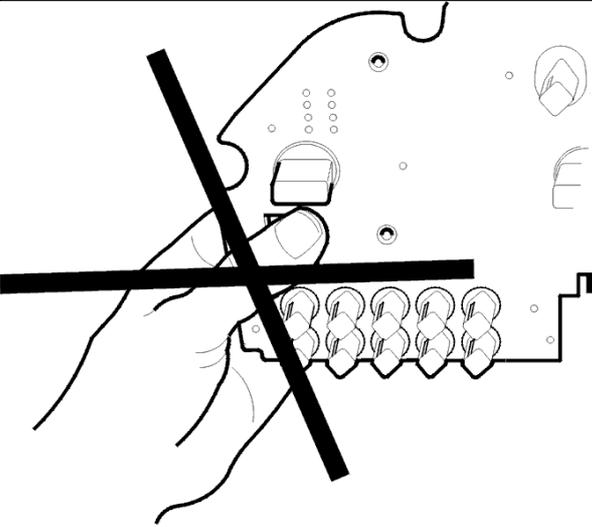
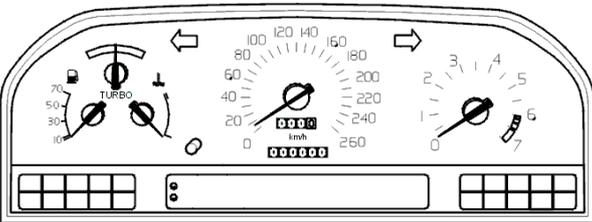
- Disconnect two combined instrument panel connectors.
- Disconnect vacuum hose to boost pressure gauge. This is located at the back of the boost pressure gauge.
- Release the two catches at the top and lift up the instrument slightly exposing the trip computer connector if the car has a trip computer.
- Lift out combined instrument panel.

Replacing combined instrument panel components

Note! When working on the combined instrument panel observe the following:

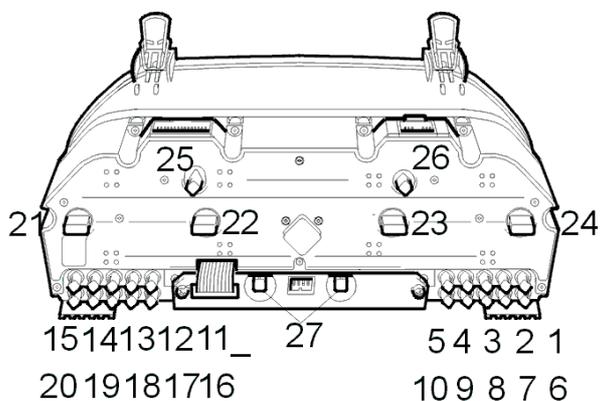
Cleanliness: the workplace must be free of dust, dirt, oil and solvent.

- Always wash your hands before disassembling the combined instrument panel. Do not use handcream or lotion after washing. Use protective gloves of thin cotton. Synthetic materials can cause static electricity.
- Do not expose the printed circuit board to static electricity.
- Do not touch connection plate or dial surfaces.
- Do not change the position of needles. They are factory calibrated. If the needles are moved the instrument may display the wrong reading.



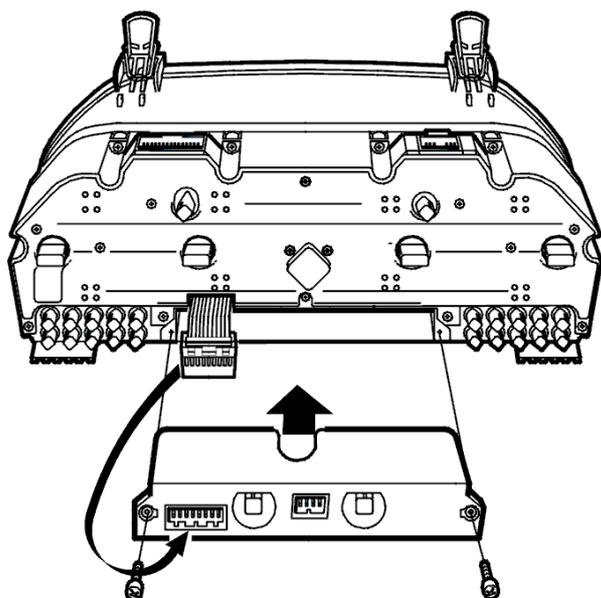
Replacing bulb

All warning lamps in the combined instrument panel should light when the ignition is switched on. Indicator lamps should light when the relevant function is



activated. Replace the bulb if lamps do not light. See Specifications, Bulbs for the correct type of bulb. For location see below.

Lamp position and function:			
1	-	15	ABS
2	Low washer reservoir level	16	Automatic transmission gear position indicator
3	Low fuel level	17	Low coolant level
4	Fog tail lamps	18	TRACS
5	High beam	19	Malfunction indicator lamp (MIL)
6	Spare	20	Service interval, SRI
7	Bulb failure warning sensor	21	Instrument lighting
8	Turn signal lamps, trailer, certain markets	22	Instrument lighting
9	Glow plug indicator lamp (Diesel) or Exhaust temperature (certain markets)	23	Instrument lighting
10	SRS	24	Instrument lighting
11	Battery charging	25	Turn signal flasher right
12	Low oil pressure	26	Turn signal flasher left
13	Brake circuit failure	27	Clock module lighting
14	Parking brake	28	



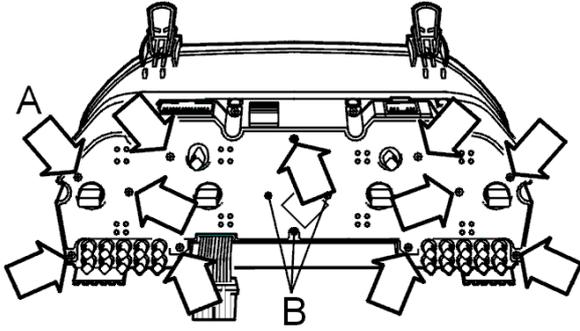
Removing trip computer module

- Remove time/temperature/trip computer module located at the bottom in the middle. Disconnect connector and remove the two screws.

Removing combined instrument panel cover

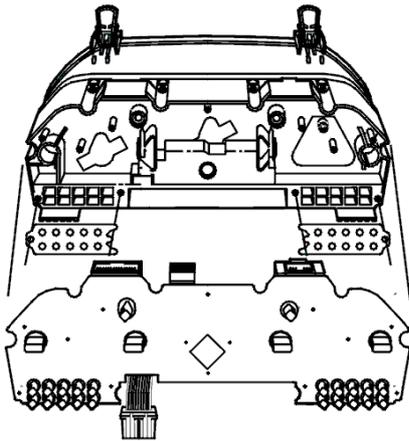
- Remove rear combined instrument panel cover. Undo the 11 screws marked A and three screws marked B.
- Remove boost pressure gauge nut on turbocharger (TC) variants.

The screws marked B secure the odometer to the base plate.



Removing combined instrument panel printed circuit board

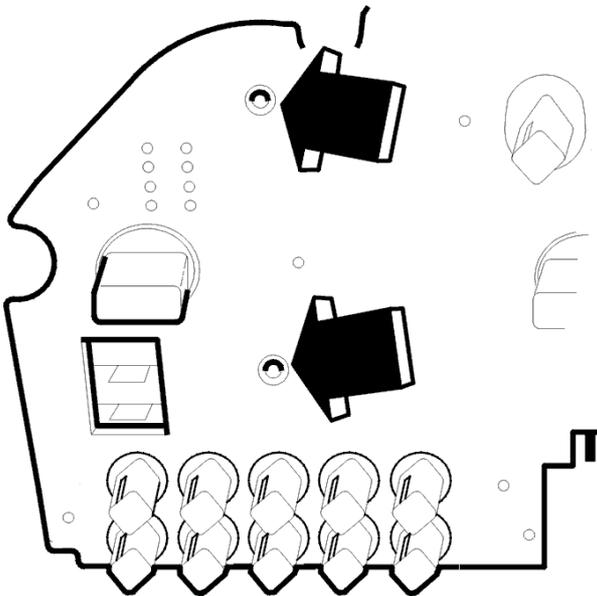
- Lift the printed circuit board away from the base plate. The printed circuit board is pressed into the base plate and must be removed carefully.
- Remove shims for lamps.



Replacing fuse

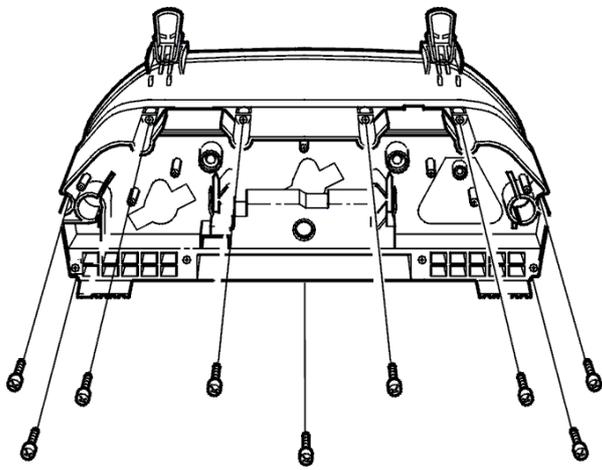
- Replacing fuse
The fuse should be installed on the outside of the printed circuit board. The arrows in the illustration point to two screw holes for the new fuse.

Hint: Use the replacement part fuse set P/N. 912 8110-5. The fuse may have blown because of an external short-circuit.



Removing combined instrument panel base plate

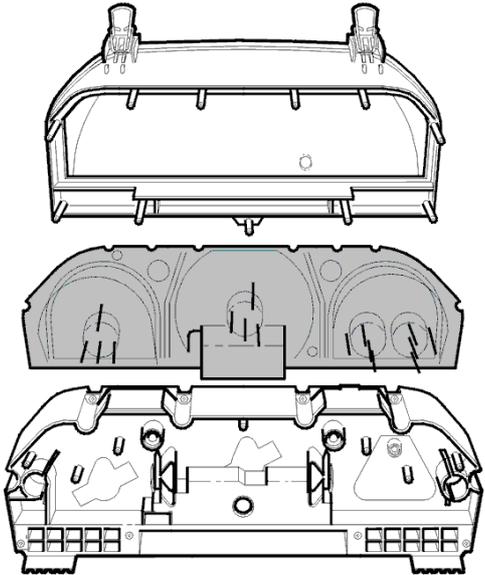
- Remove the instrument housing from the base plate. Remove the 9 screws



Replacing instrument panel

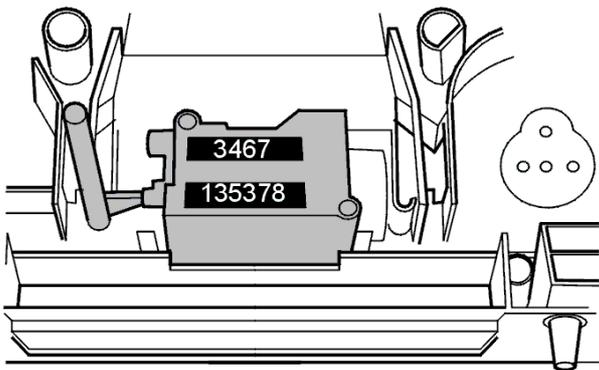
- Lift out instrument panel

Note! Do not touch the instrument panel or needles.



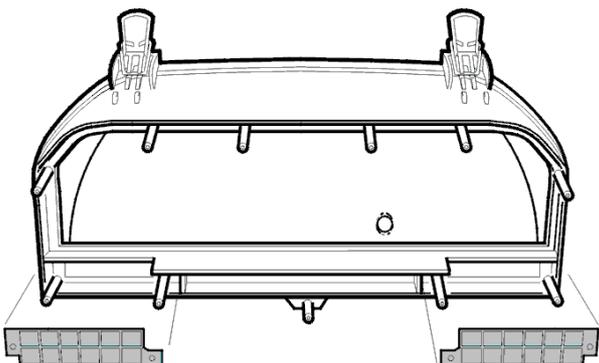
Removing odometer

- Remove odometer with reset button.
- To replace the reset button pull it straight out of the odometer.



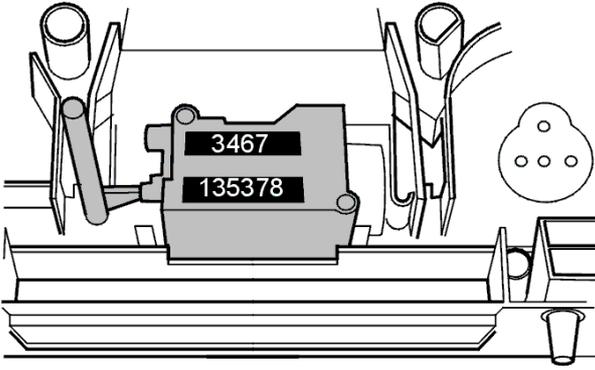
Replacing dial faces

- Carefully remove the dial faces which are located on two plastic pins in the instrument housing.
- Replace and install the new dial faces.



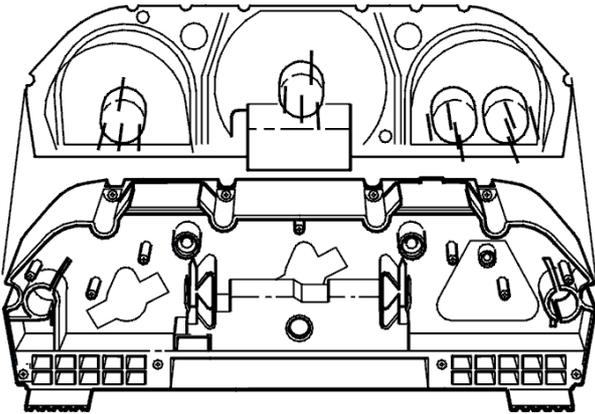
Assembling combined instrument panel

- Position odometer on the base plate.



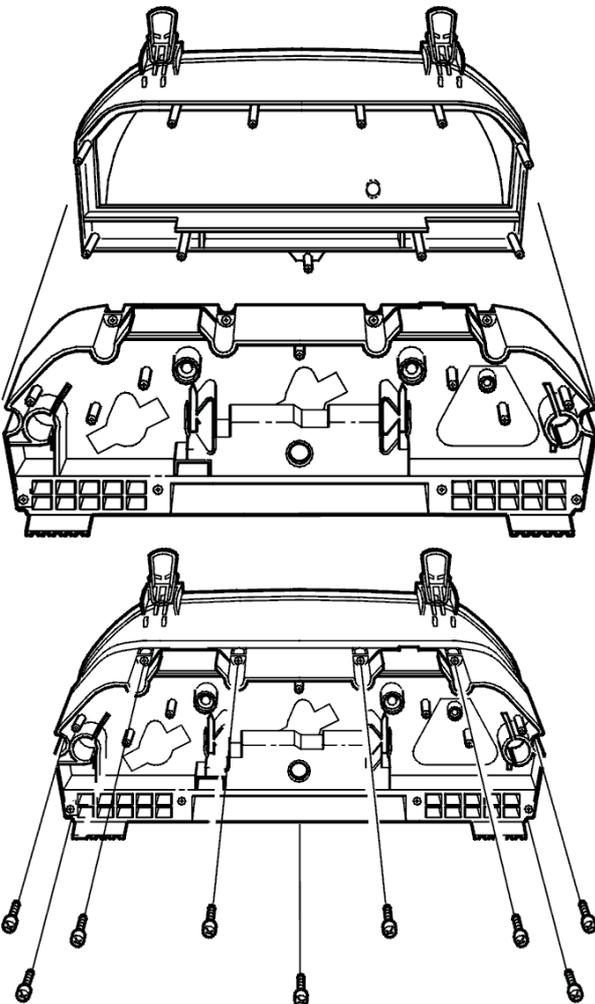
Installing instrument panel

- Position instrument panel on the base plate.
- Ensure that the reset button is properly located in the instrument panel and that the instrument panel is correctly positioned on the base plate. Press together.

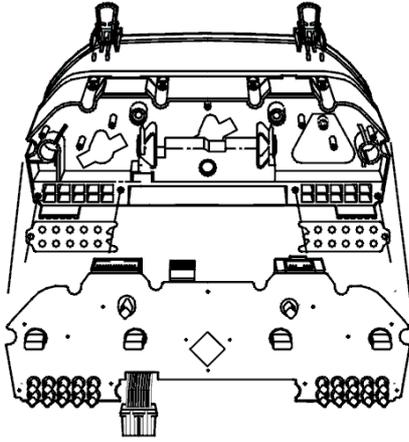


Assembling base plate and instrument housing

- Assemble base plate and instrument housing.
- Install the 9 screws.



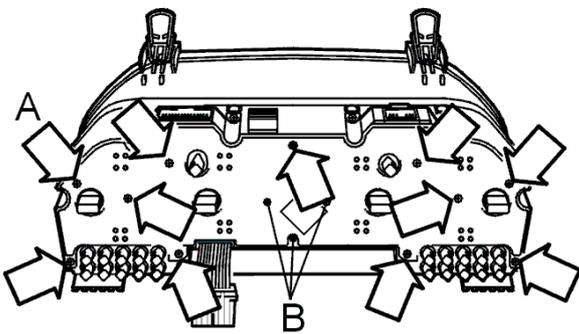
Installing printed circuit board



- Install shims for lamps.
- Install printed circuit board by carefully pressing on the bulb holders to press in the terminal pins.

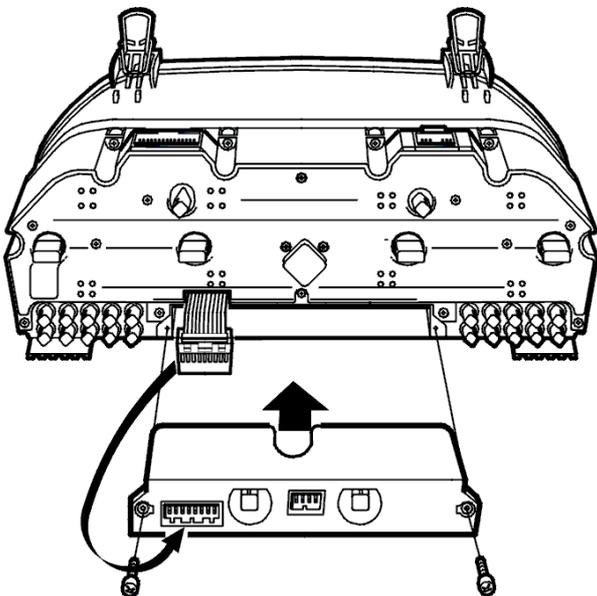
Note! Ensure that terminal pins are correctly positioned.

Installing cover



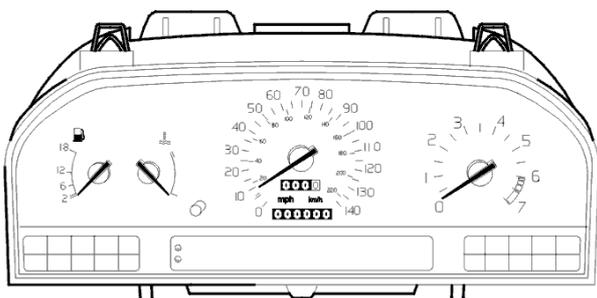
- Position cover and screw together combined instrument panel with screws A and B as illustrated (11 + 3).
- Screw boost pressure gauge nut into place.

Installing trip computer module



- Position time/temperature/trip computer module, screw into place with the two screws and connect connector.

Installing combined instrument panel



- Connect trip computer connector if the car has a trip computer.
- Install combined instrument panel.
- Connect vacuum hose to boost pressure gauge.

Note! If the customer wants the combined instrument panel sealed so that the odometer cannot be tampered with, install contact protector P/N 912 88113 onto the 30-pin connector.

Cars with an (SRS) passenger module

- Disconnect the battery negative lead.

Note! After replacing the printed circuit board or combined instrument panel the new control module must be programmed.

Note! The combined instrument panel in the 850 TDI within the following range of chassis numbers is incorrectly programmed:

854 TDI 310519-326389.

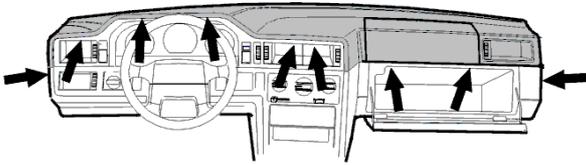
855 TDI 222951-248456.

See [Programming combined instrument panel 850 TDI](#).

Installing cover (with passenger module)

- Install cover (with passenger module).

Install mounting screws (9 x Torx 25) to the cover as follows.



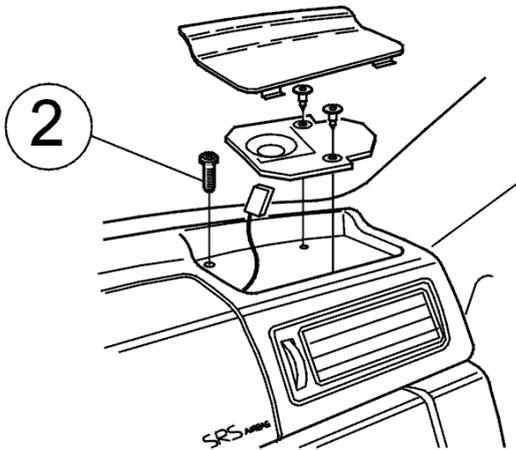
Install:

- screws (2) at each A-pillar
- screws (2) above combined instrument panel.
- screw (3) above the left and center dashboard vents.
- screws (2) above the glove compartment. If the car is not equipped with a passenger module there are three screws.

Installing loudspeakers

Install:

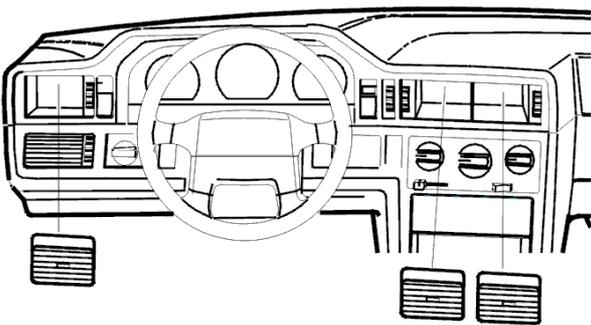
- Left and right loudspeaker connectors.
- Left and right loudspeakers.
- Plastic plugs (2) to left and right loudspeakers.
- Right loudspeaker screws (Torx 25). See (2) in figure.
- Left and right loudspeaker grilles.



Installing loudspeakers

Install:

- The two center dashboard vents.
- Driver's side dashboard vent side defroster.
- Right and left side defroster vents, screws (2 x Torx 25) and blind cover plugs.



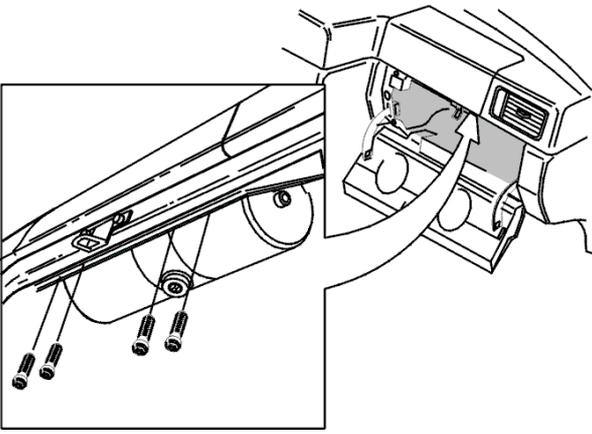
Installing passenger module mounting screws

Note! [Installing passenger module mounting screws](#)

– **Final check** cars with an (SRS) passenger module

Install:

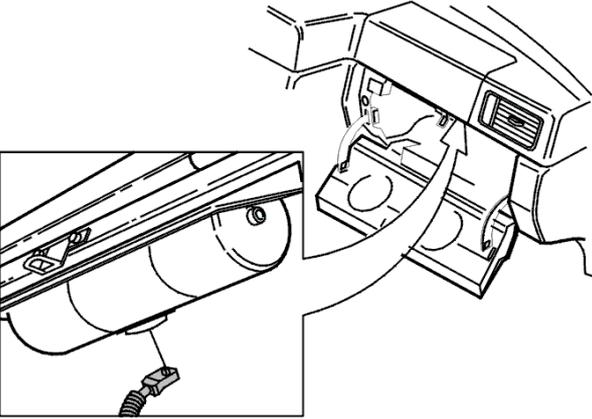
- Install passenger module mounting screws (4 x 10 mm). The screws are located on top of the glove compartment. Passenger module tightening torque = 7 Nm.



Connecting connector to passenger module

Install:

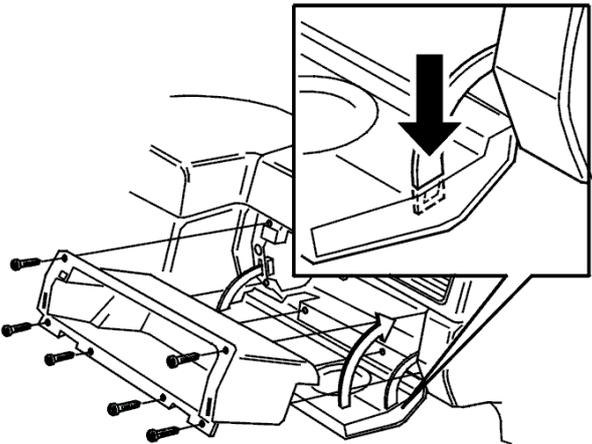
- SRS ignition cable igniter connector to the underside of the passenger module.



Installing glove compartment

Install:

- Glove compartment insert (6 x Torx 25).
- Arms (2) to glove compartment lid.



Final check

Warning! Ensure that nobody is in the car when the battery is being connected.

When all components have been reinstalled

- Turn ignition to position II.
- Connect battery negative lead.

