



flammable, and may explode if thrown on a fire.

6 Fuel pump and gauge sender unit – removal and refitting

Note: *Observe the precautions in Section 1 before working on fuel system components.*

Removal

1 The fuel pump and gauge sender unit are combined in one assembly, mounted in the fuel tank. Access is via a hatch provided in the load space floor. Removal of the unit exposes

5 Pull down the flaps, undo the screws and remove the door sill trim panels

contents of the tank to the atmosphere, so extreme care must be exercised to prevent fire. The area inside and around the car must be well-ventilated to prevent a build-up of fuel vapour. If possible, remove the unit when the tank is nearly empty, or alternatively drain the fuel from the tank into a suitable container.

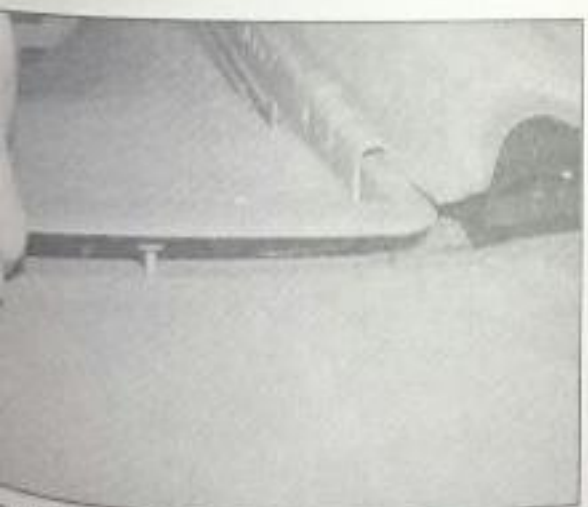
Depressurise the fuel system as described in Section 8.

Ensure that the vehicle is parked on a level surface, then disconnect the battery negative terminal (see Chapter 5A).

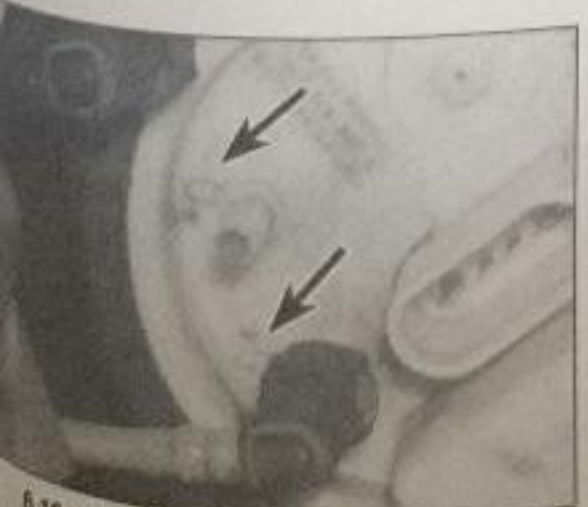
Pull the weatherstrips from the door sill trim panels.

Lever open the plastic flaps, undo the two screws each side, and remove both door sill trim panels (see illustration).

Depress the three retaining clips, and lift



6 Lift the trims and peel back the carpet



6.12 Note the arrows on the cover indicating supply and return (arrowed)



6.6a Depress the retaining clips and lift the cover away ...



6.6b ... then undo the two nuts and remove the centre vent

the floor-mounted centre rear air vent cover. Undo the two nuts and remove the vent (see illustrations).

7 Undo the screws securing seat mounting trims to the floor for the second row of seats.

8 Carefully prise up the trims at the front edge of the rear carpet, and fold the front half of the carpet to the rear (see illustration).

9 Undo the retaining bolts and remove the seat mounting rail over the access hatch.

10 Slacken and remove the access hatch screws and lift the hatch away from the floorpan (see illustration).

11 Unplug the wiring connector from the pump/sender unit (see illustration).

12 Release the clips and disconnect the fuel supply and return hoses (see illustration). Identify each hose for position - the blue hose is the return circuit.



6.10 Undo the three screws and remove the access hatch



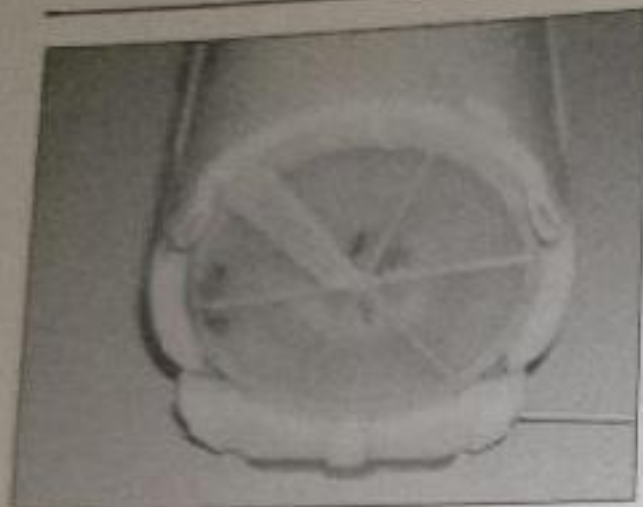
6.11 Disconnect the pump/sender unit wiring plug



6.13 Unscrew the plastic ring



6.14 Lift the pump/sender unit from the tank



6.15 At the base of the pump is a fine mesh filter

the sender unit wiper and track; clean off any dirt and debris that may have accumulated and look for breaks in the track. Note the fine mesh filter on the base of the pump unit (see illustration). At the time of writing, it would appear that the pump/sender unit is only available as a complete unit.

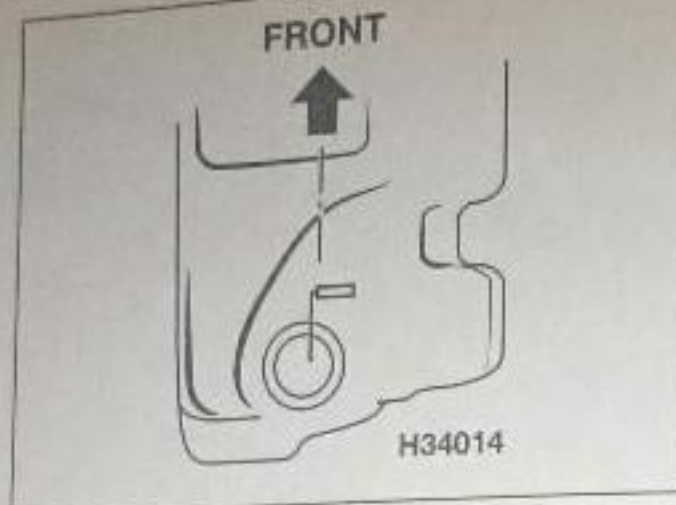
Refitting

16 Smear the new rubber seal with clean fuel, then locate it on the flange.

17 Where applicable, insert the fuel pump/sender unit into the tank, then press down and twist it clockwise, or insert the pump/sender unit into the tank aperture. Ensure that the unit is fitted into its original position (see illustration).

18 Ensure that the arrow on the cover aligns with the mark on the fuel tank (see illustration).

19 Refit and tighten the plastic ring. To ensure the alignment arrows are opposite each other when the ring is fully tight, turn the



6.17 Install the sender unit with the float arm pointing to the front of the vehicle

cover slightly anti-clockwise while the ring is being tightened.

20 Reconnect the fuel supply and return hoses and tighten the clips.

21 Reconnect the wiring connector to the pump/sender unit.

22 Refit the access hatch and tighten the screws.

23 Refit the trim to the load space floor.

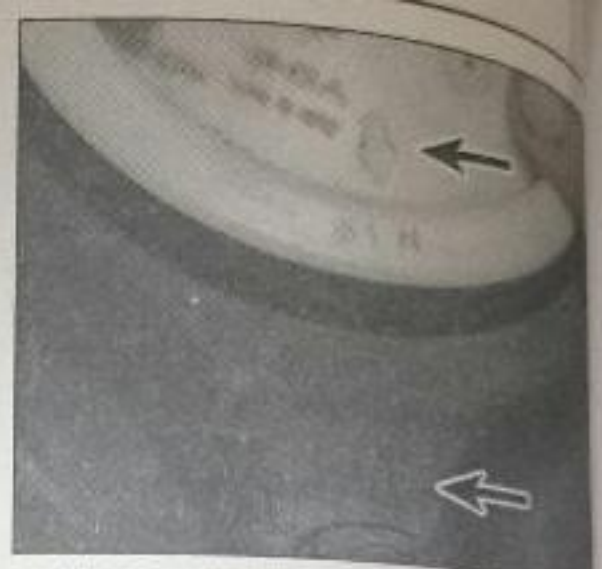
24 Reconnect the battery negative (earth) lead (see Chapter 5A).

7 Fuel tank – removal and refitting

Note: Observe the precautions in Section 1 before working on fuel system components.

Removal

1 Before the tank can be removed, it must be



6.18 Ensure the arrow on the cover aligns with the arrow on the tank (arrowed)

drained of as much fuel as possible. If a drain plug is provided, it is preferable to remove the tank when it is nearly empty. Alternatively, syphon or hand-pump the fuel from the tank into a suitable safe container.

2 Disconnect the battery negative lead (see Chapter 5A).

3 Fold back the front section of the carpet from the load space floor as described in Paragraphs 4 to 9 of the previous Section.

4 Slacken and remove the access hatch screws and lift the hatch away from the floorpan (see illustration 6.10).

5 Unplug the wiring connector from the pump/sender unit, and disconnect the fuel supply and return hoses. Identify each hose for position. The blue hose is the return hose.

6 Chock the front wheels, then jack up the rear of the vehicle and support on axle stands (see Jacking and vehicle support).

7 Support the fuel tank with a trolley jack and a suitable piece of wood, to prevent the head damaging the tank.