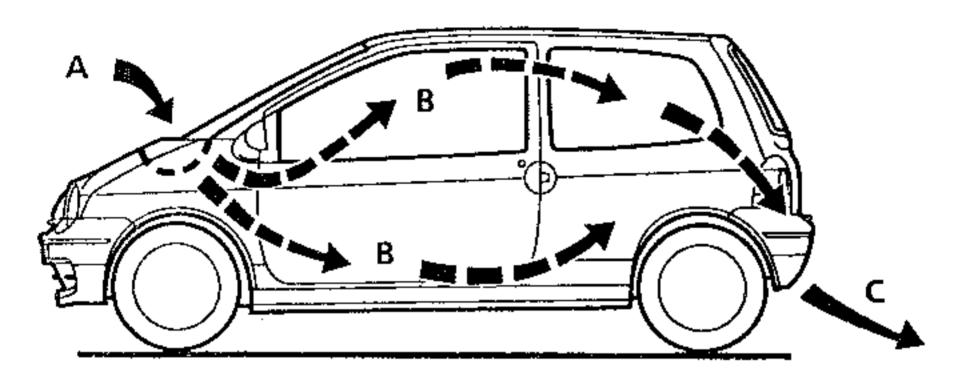
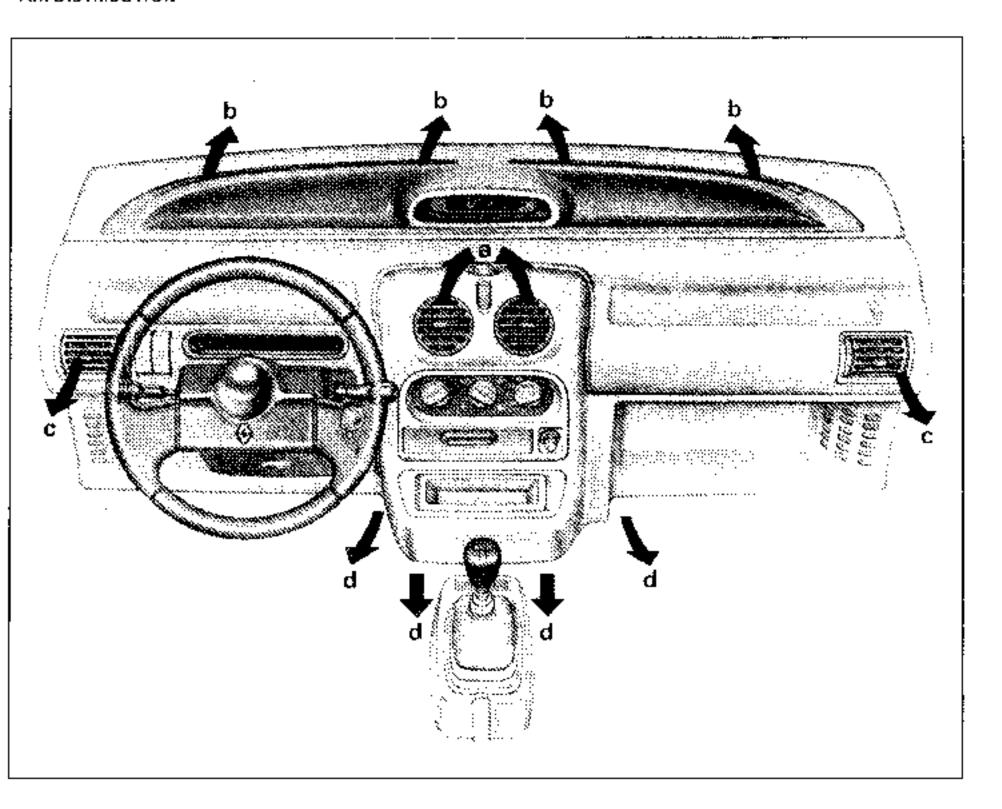
### AIR CIRCULATION



95 915-1 R

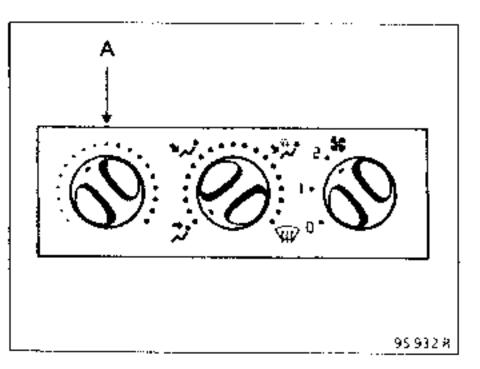
- A External air inlet
- **B** Distribution of air in the passenger compartment
- **C** Extraction of air through the luggage compartment

#### AIR DISTRIBUTION



- a Central vents
- Windscreen de-misting / de-icing vents
- c Side vents
- d Lower vents

## TEMPERATURE CONTROL KNOB (A)



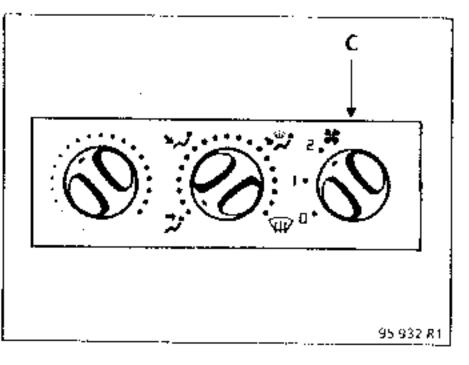
This controls the hot/cold air mixing flap.

When positioned to the extreme left, the air is not heated. It is at the minimum temperature possible.

The fan does not have a heating control and is permanently fed.

The mixing flap ensures the fresh air heating system operates correctly.

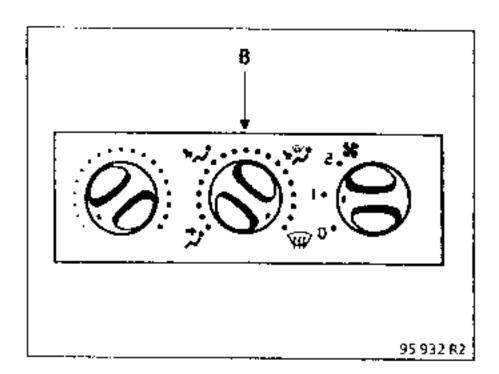
#### FAN SPEED KNOB (C)



Ventilation is by blown air.

The amount of air blown into the passenger compartment is determined by the position of knob (C).

## AIR DISTRIBUTION KNOB (B)



# Position 💯

The air flow is directed only to the dashboard vents (a) and  $(\zeta)$ .

Each vent has three settings:

- open or closed,
- pointed up or down,
- painted left or right.

# Position 😾

The air flow is directed to the lower vents (d) and the dashboard vents (a) and (c).

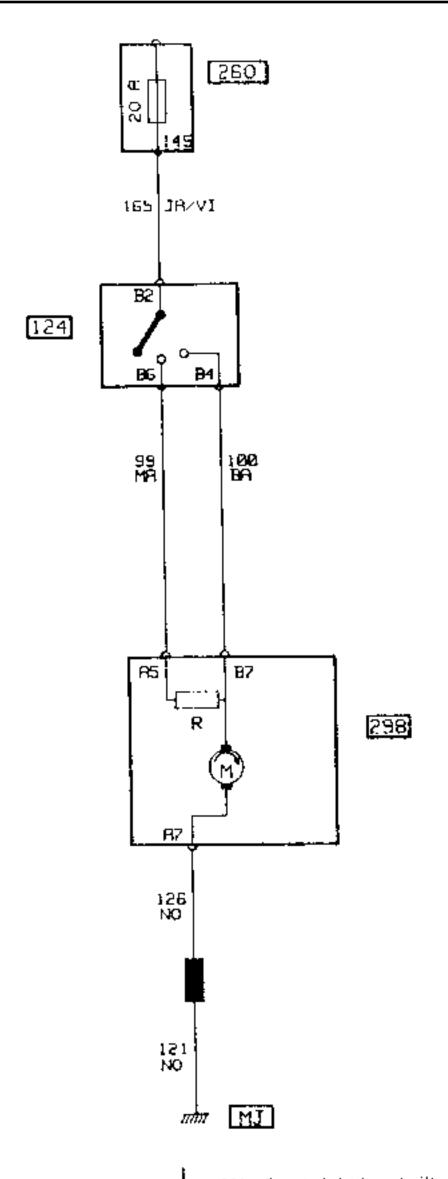
# Positian 😴

The air flow is distributed between all the vents (a), (b), (c) and (d).

# Pasition 💮

The air flow is directed to the windscreen vents (b) and dashboard vents (a) and ( $\epsilon$ ).

For improved windscreen de-misting / de-icing efficiency, vents (a) and (c) should be closed.



96343

124 Heating control

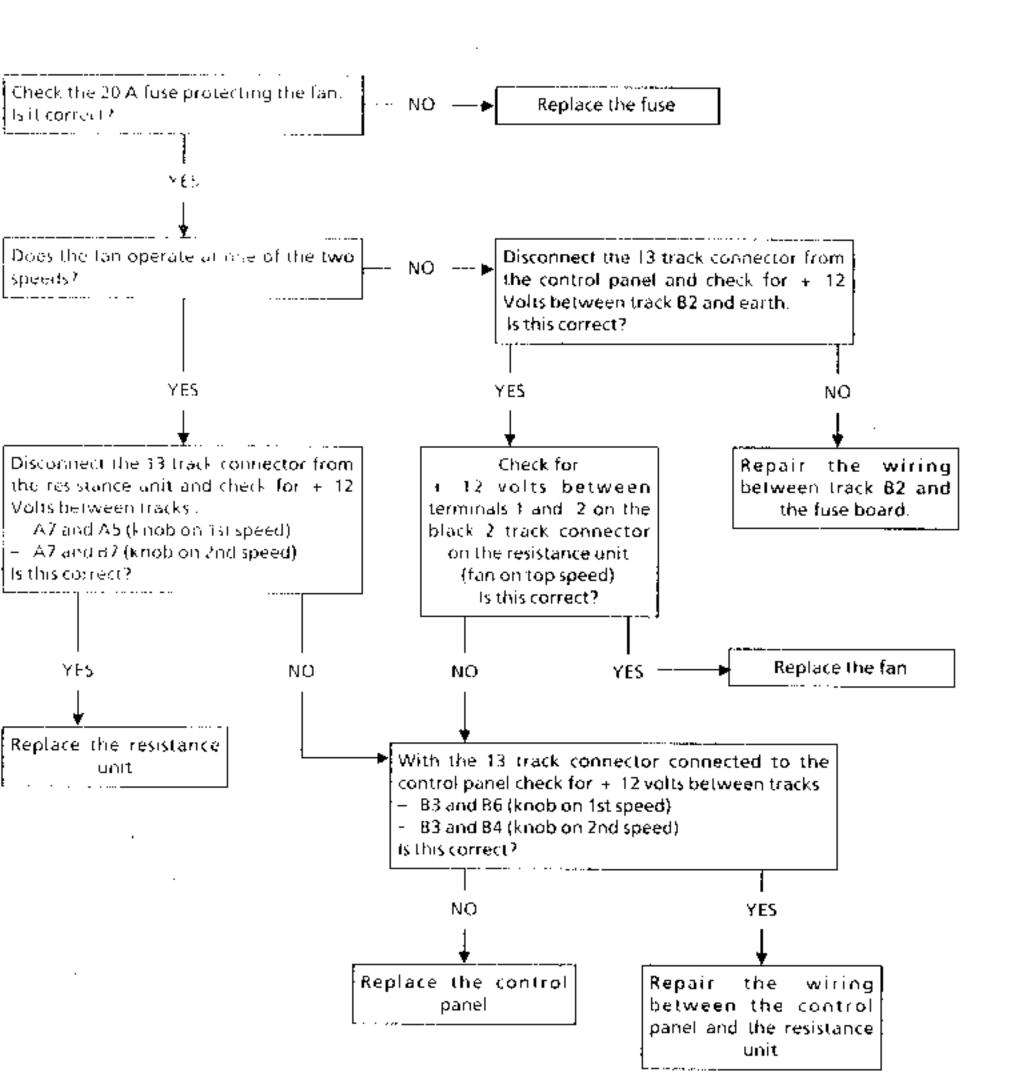
260 Fuse box

298 Heating unit.

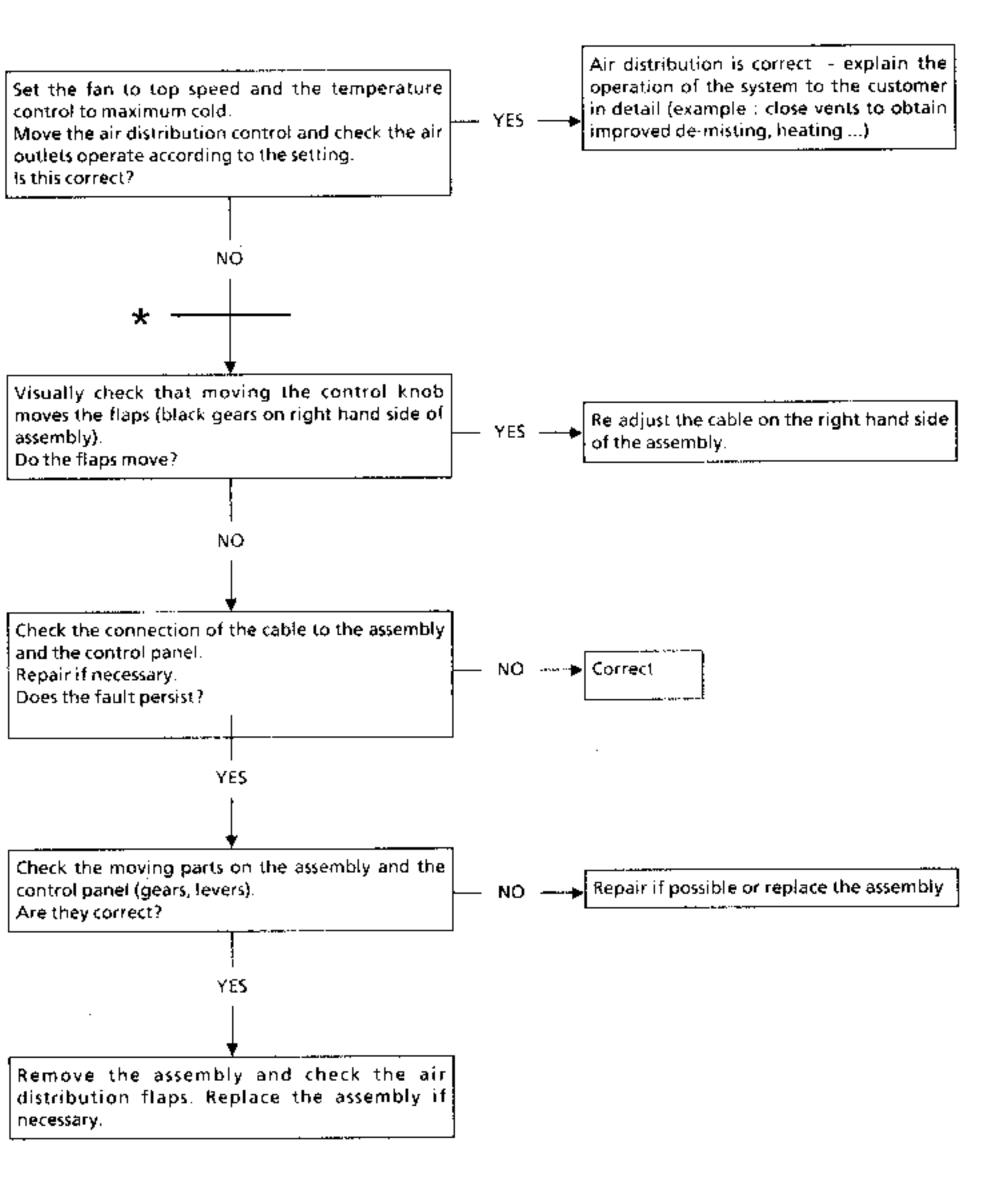
MJ Front right hand pillar earth

NOTE: this wiring diagram applies to all X06 vehicles but may be modified depending on technical changes made to the vehicle.

#### FAULT: THE FAN DOES NOT OPERATE

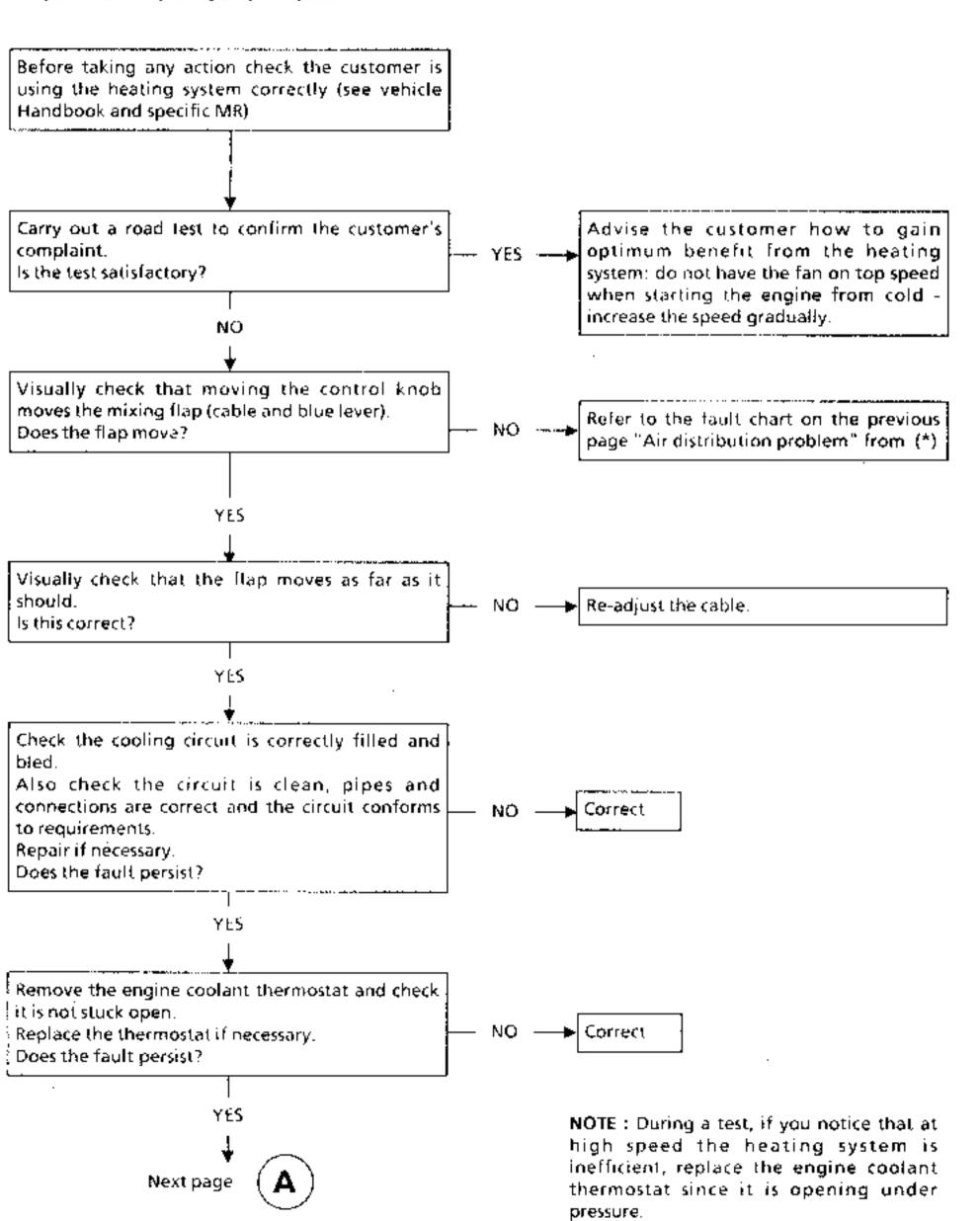


#### **FAULY: AIR DISTRIBUTION PROBLEM**

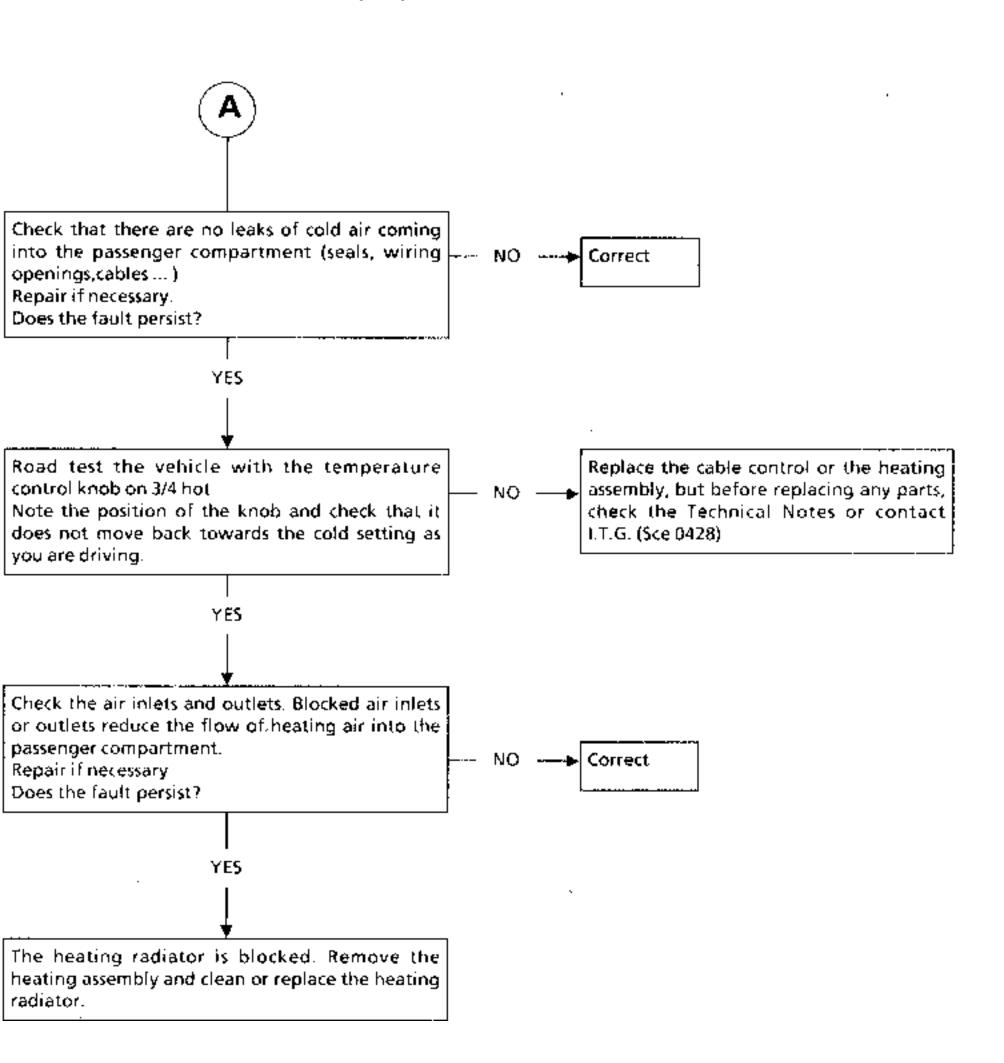


\* From the asterisk onwards this fault finding chart is also valid for the following faults: no hot air, air too hot and heating efficiency problems.

#### FAULT: HEATING EFFICIENCY PROBLEM

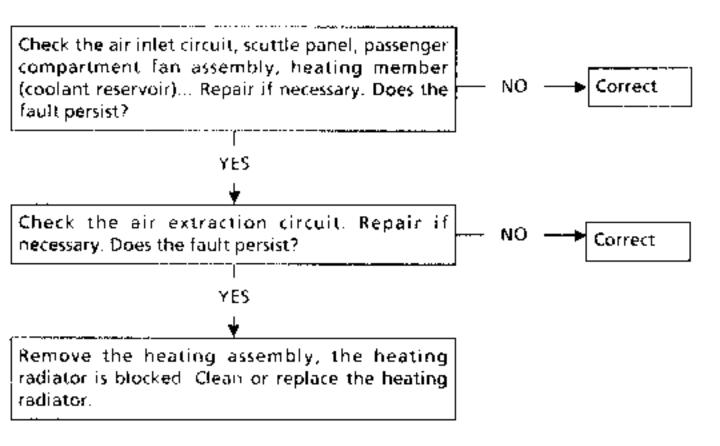


#### FAULT: HEATING EFFICIENCY PROBLEM (cont)



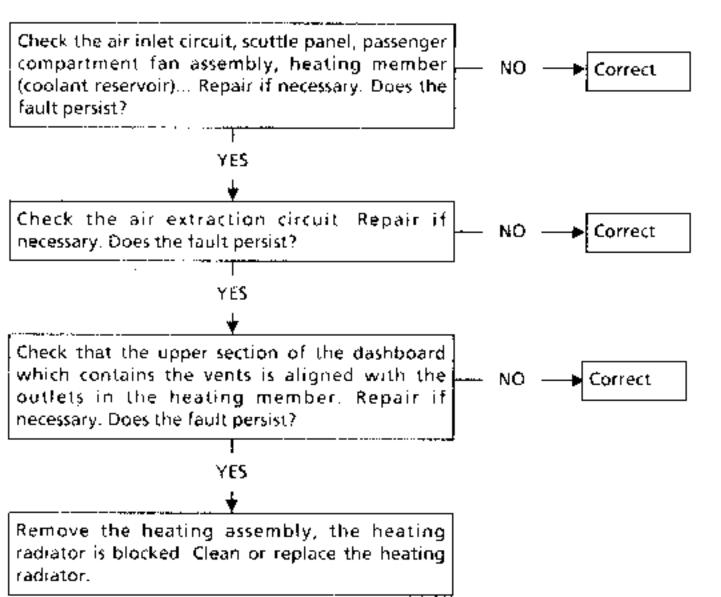
## FAULT: AIR FLOW PROBLEM (when the air distribution knob is set to position)



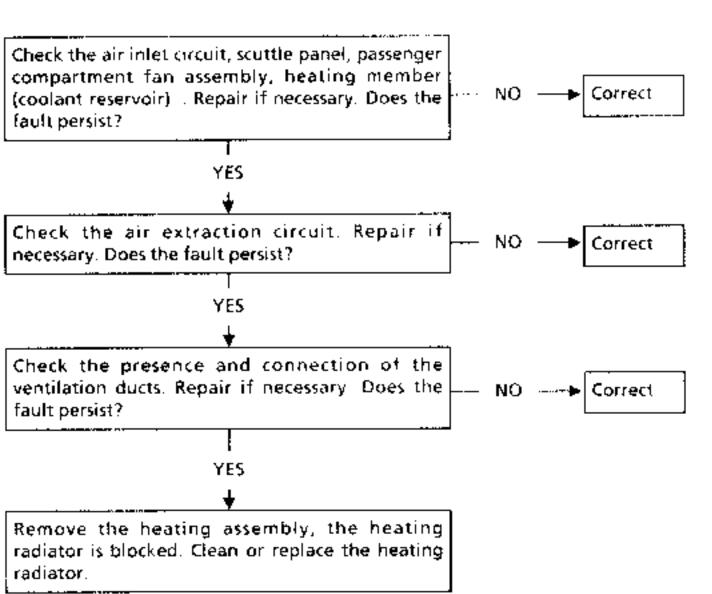


# FAULT: AIR FLOW PROBLEM (when the air distribution knob is set to position)

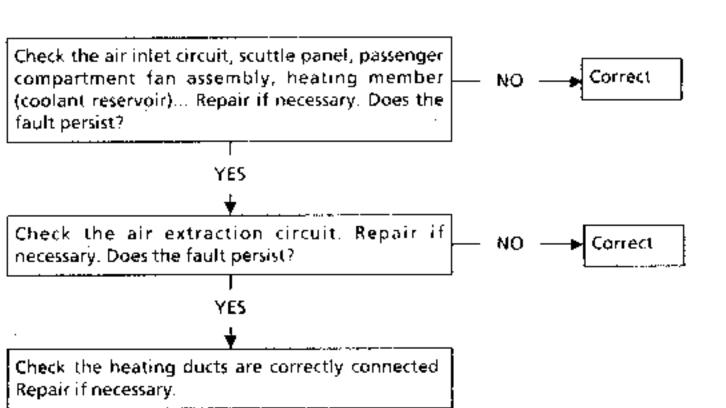




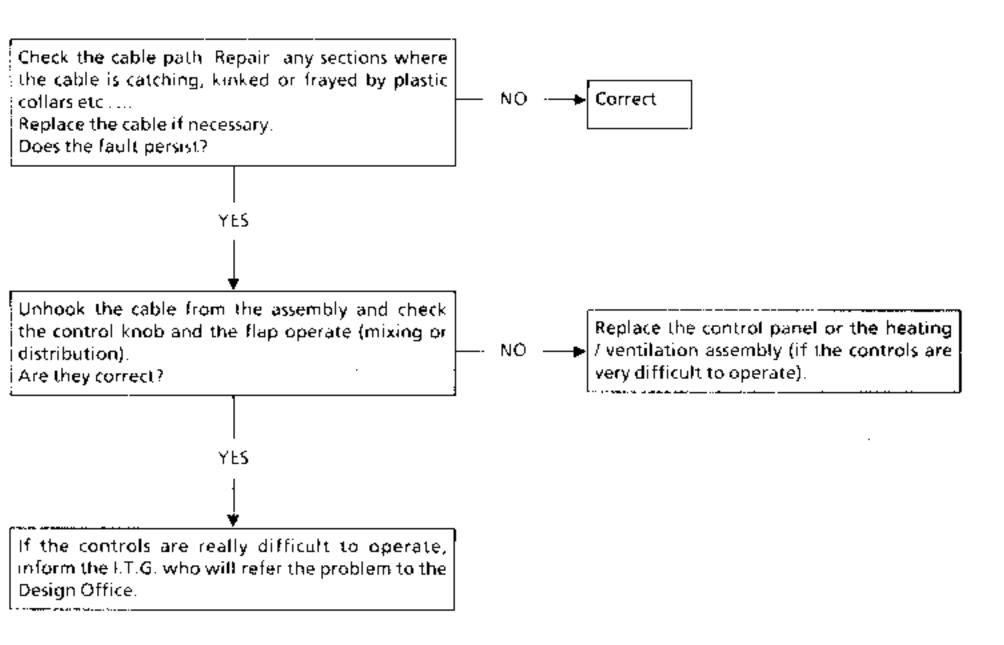
# FAULT: AIR FLOW PROBLEM (when the air distribution knob is set to position and the air mixing control is on maximum hot)



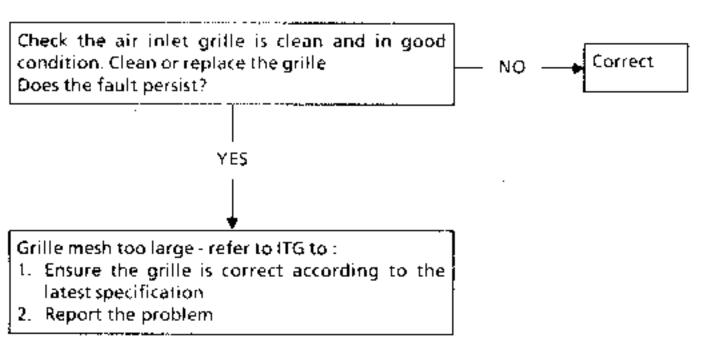
# FAULT: AIR FLOW PROBLEM (when the air distribution knob is set to position and the air mixing control is on maximum cold)



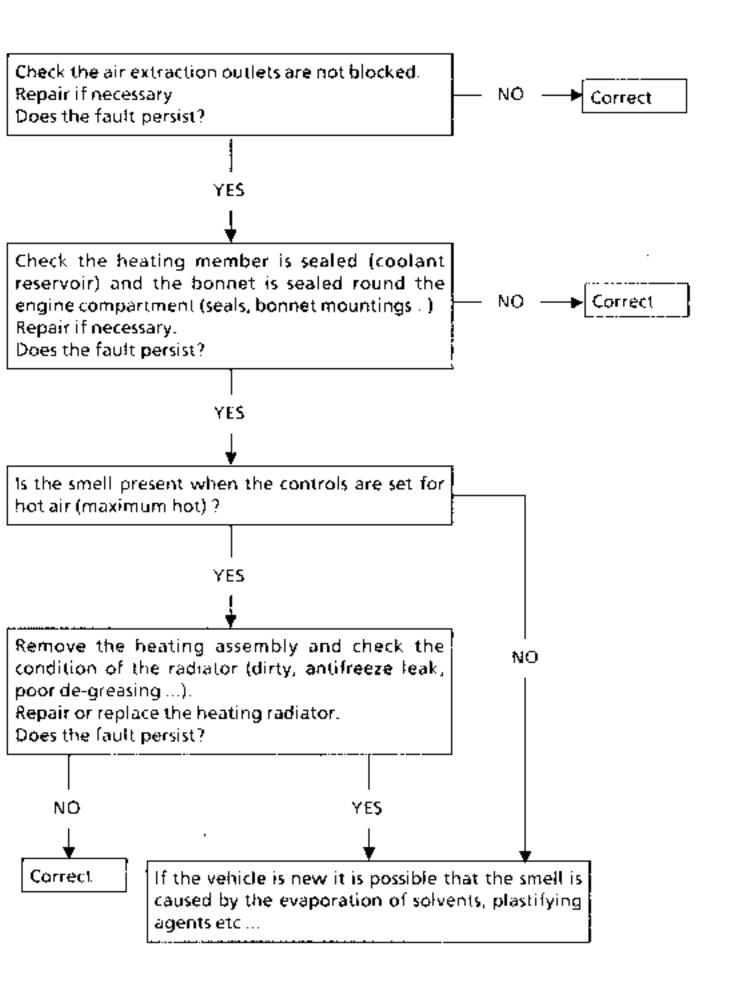
#### **FAULT: CONTROLS DIFFICULT TO OPERATE**



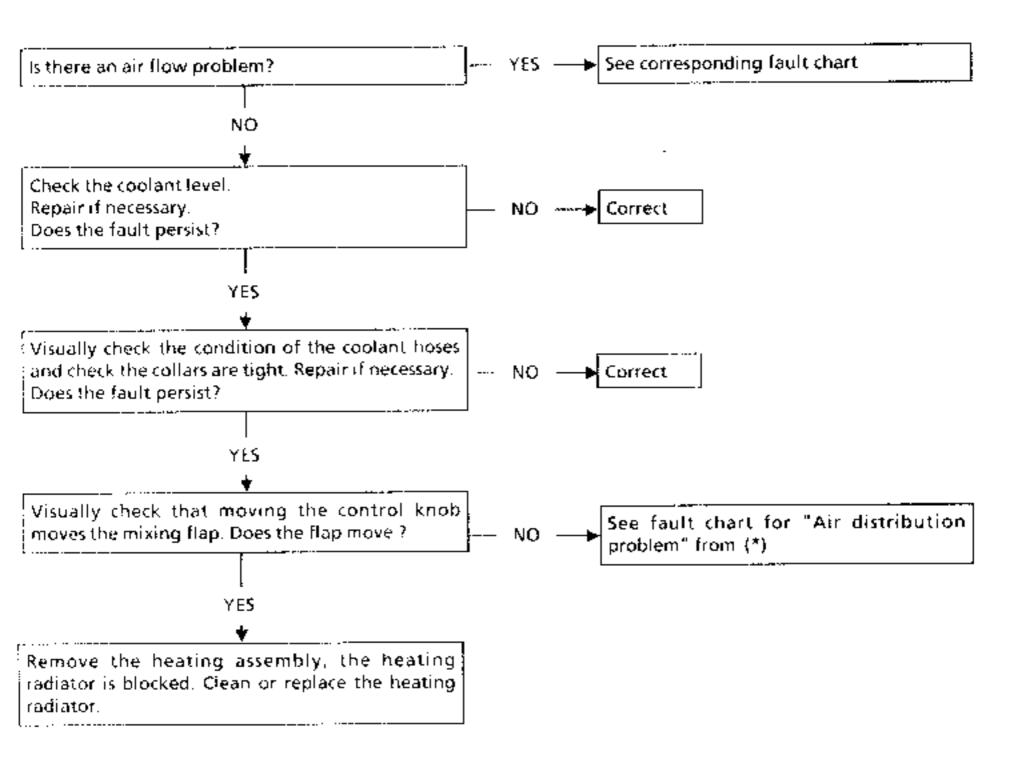
#### FAULT: FOREIGN BODIES EMITTED FROM VENTS



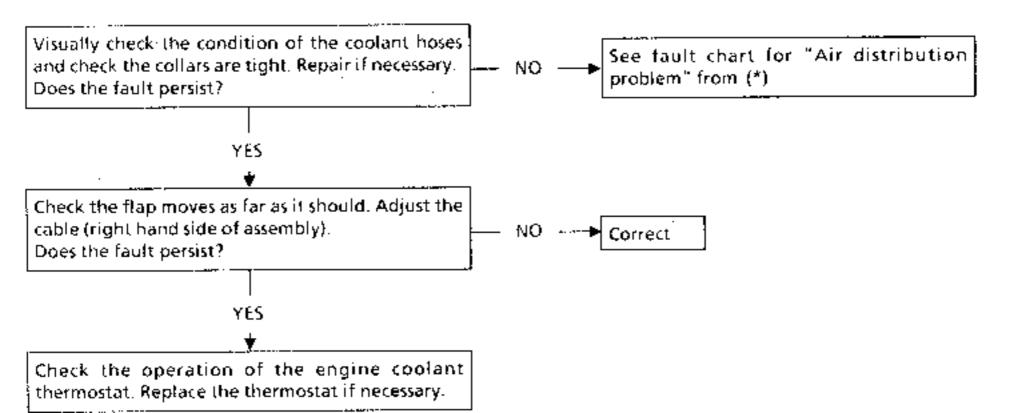
#### FAULT: SMELLS IN PASSENGER COMPARTMENT



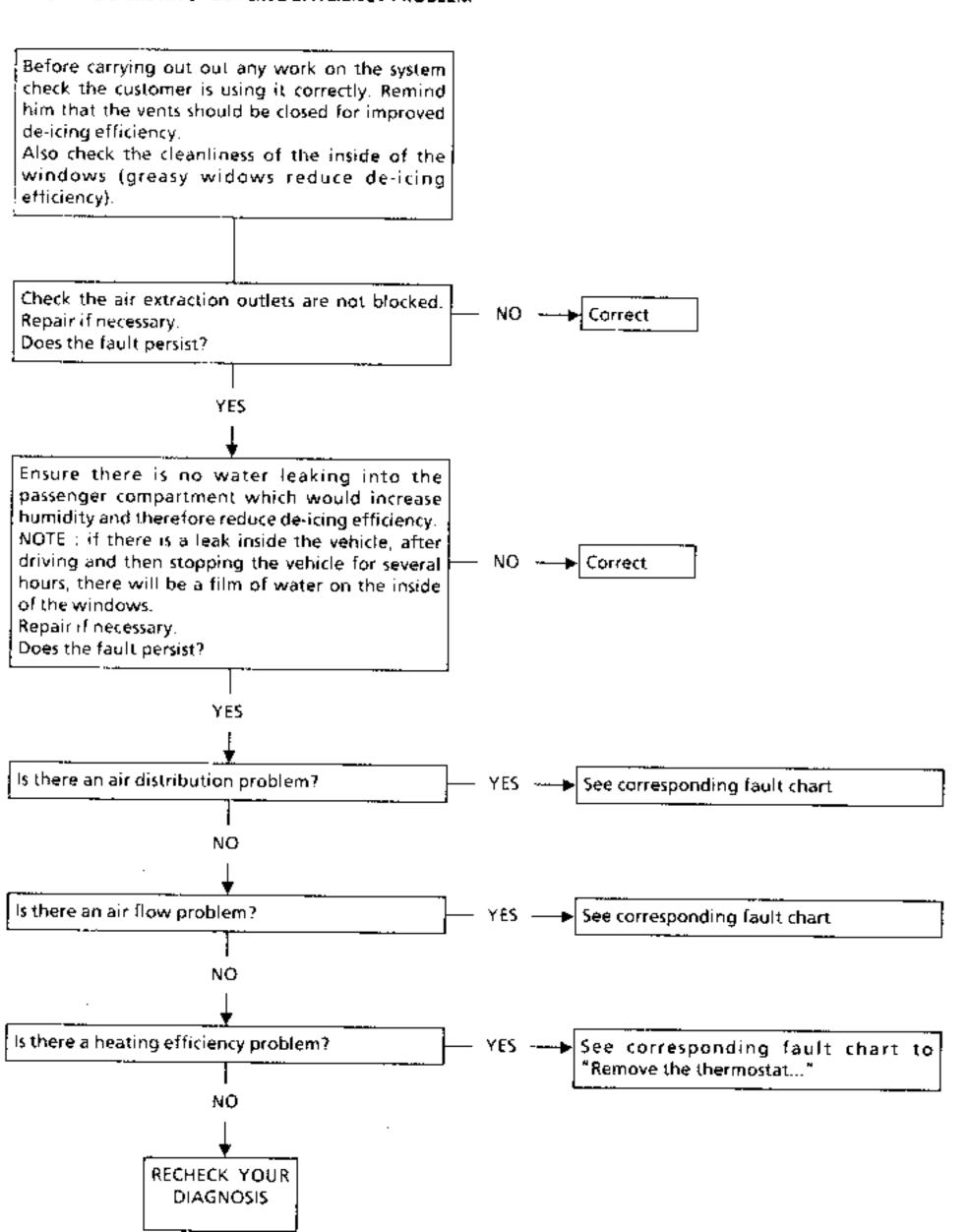
#### **FAULT: NO HOT AIR**



#### **FAULT: TOO MUCH HOT AIR**



## FAULT: DE-MISTING / OE-/CING EFFICIENCY PROBLEM



# **SPECIAL TOOLING REQUIRED**

Mot. 453-01 Hose clamps M.S. 583 Hose clamps

#### REMOVAL

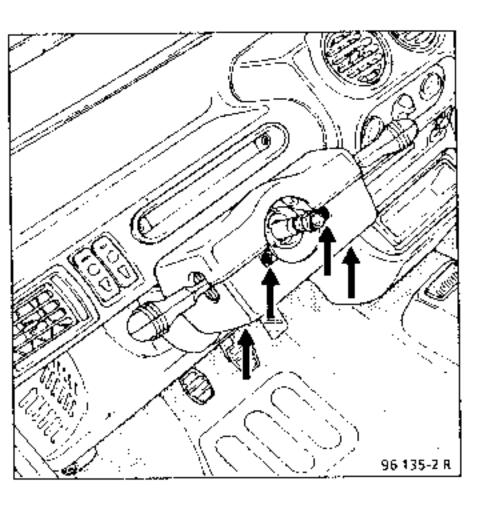
The dashboard must be removed to remove the distribution unit.

To do this:

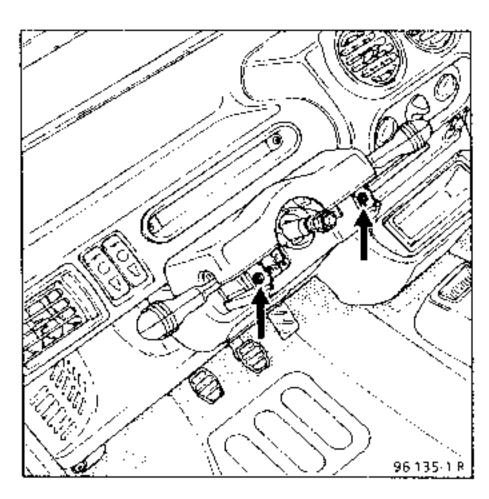
Disconnect the battery.

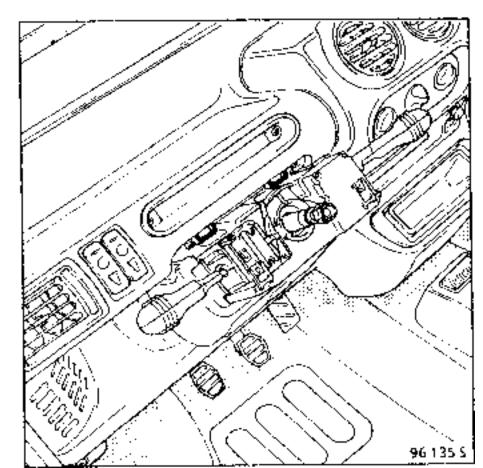
#### Remove:

- the steering wheel having marked its position,
- the half cowling under the steering wheel,

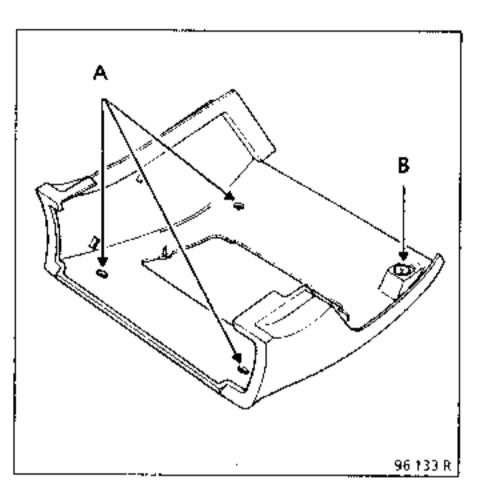


- the upper half cowling,

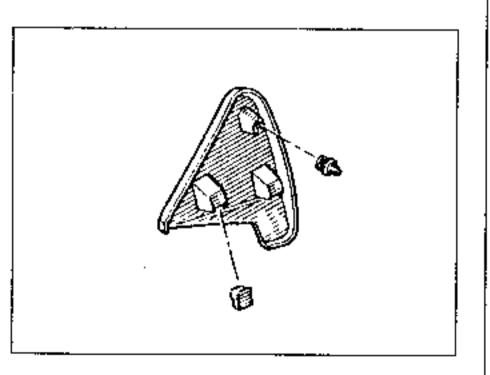




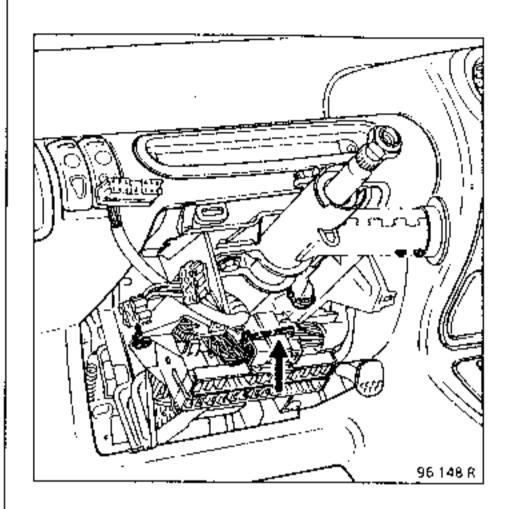
the steering column cover : three Torx bolts (A) and one clip (B),



- the lighting switch stalk : one bolt,
- the rear view mirror cover trim (or protector).

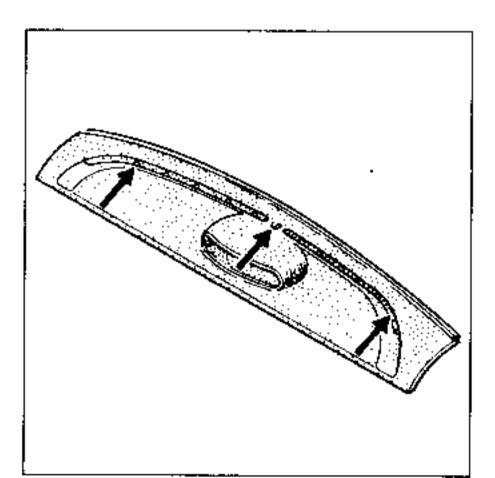


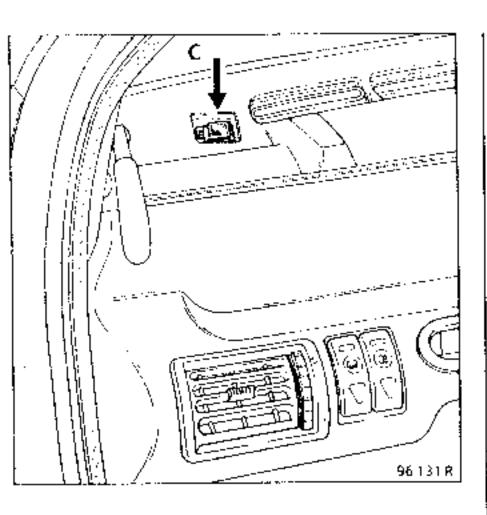
Disconnect the wiring harness.



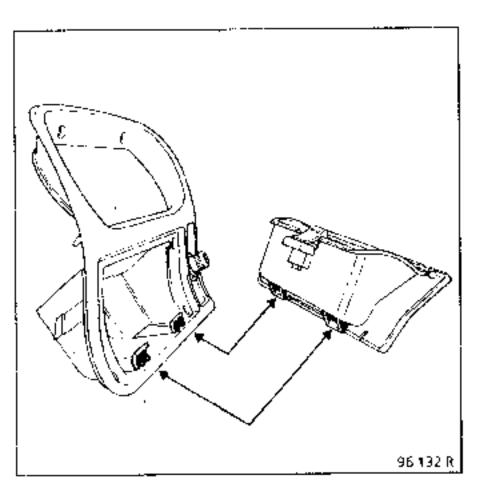
#### Remove:

 the upper section of the dashboard (three bolts). Clips (C) are sliding fittings, allowing the upper section of the dashboard to be centred.

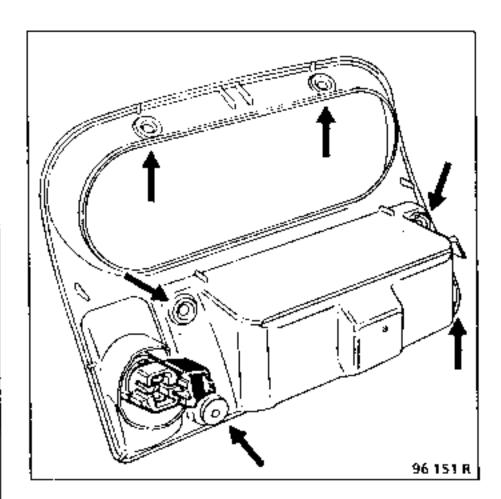




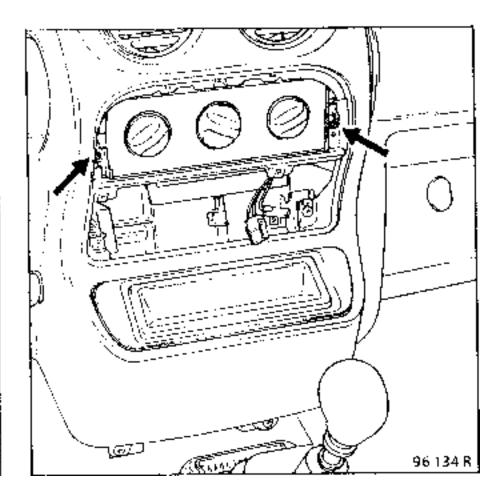
- the ashtray,



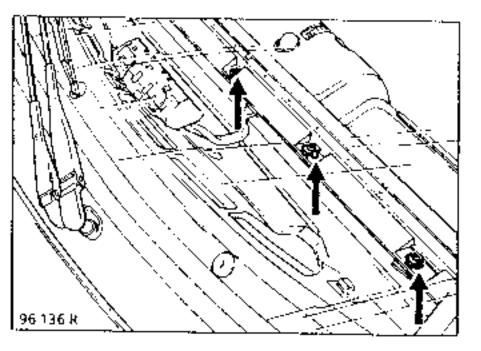
the heating control panel surround (six bolts),



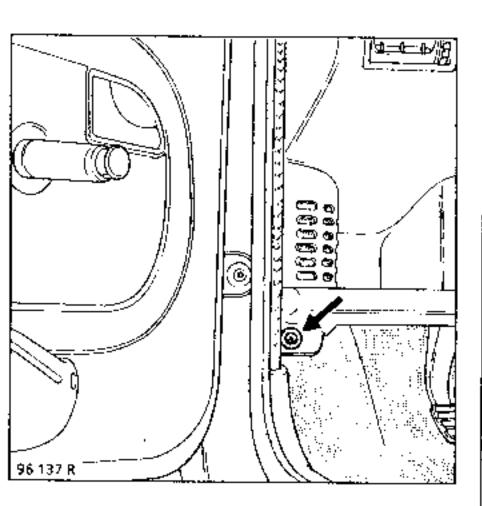
the two heating control unit bolts,



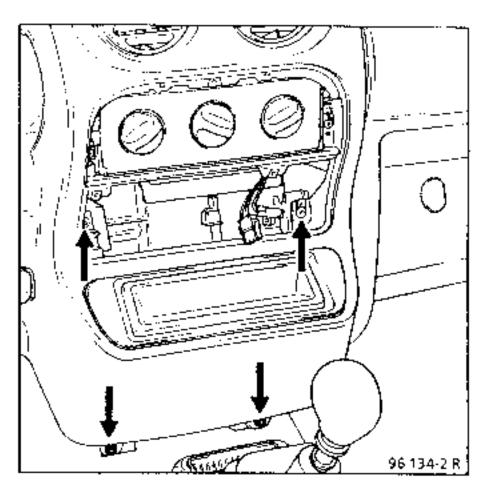
 the five upper dashboard section mounting bolts.



the lower side mountings,



- the lower centre mountings,



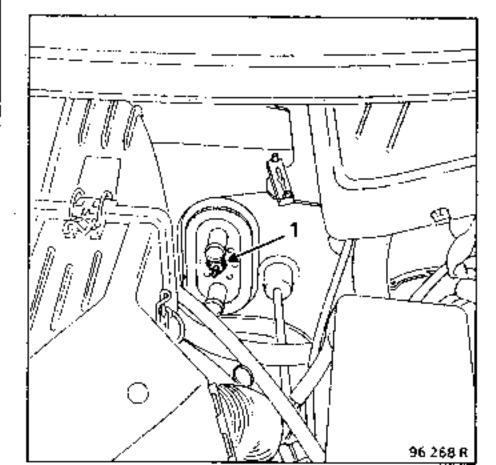
Disconnect the connectors and remove the dashboard carefully.

### Then:

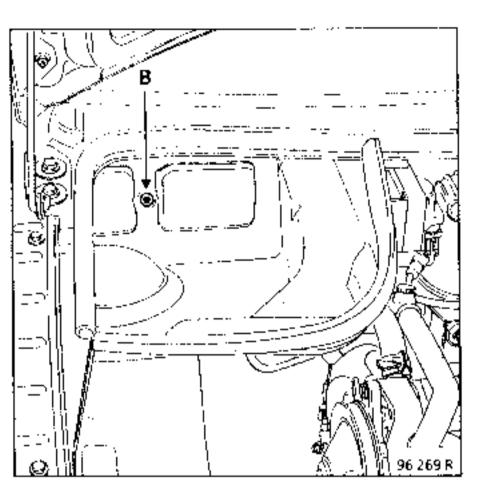
- remove the air filter.
- fit the hose clamps Mot. 453-01 or M.S. 583.

#### Remove:

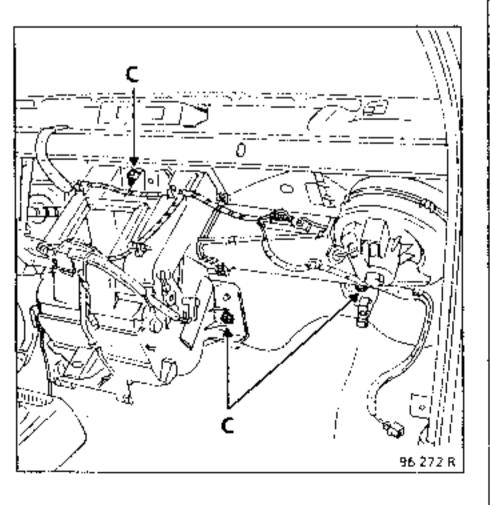
- the two heating hoses,
- the nut (1),



 mounting bolt (B) which secures the fan in the external air inlet partition.



Remove the wiring from the unit and remove the three mounting bolts (C)



#### Remove the distribution unit.

#### REFITTING

There are no special points for refitting.

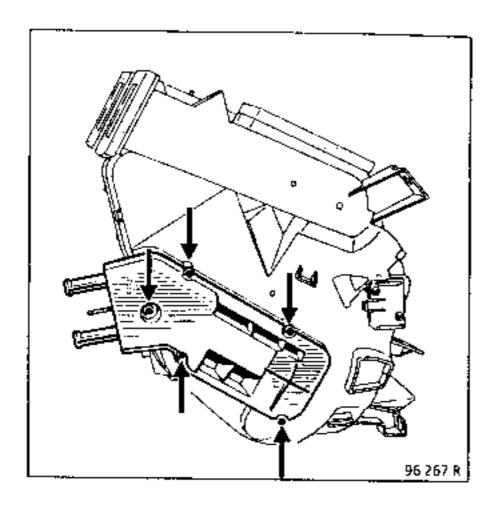
Refitting is the reverse of removal.

Bleed the engine coolant circuit (if necessary).

#### REPLACEMENT

The radiator is replaced after removing the air distribution unit (previous section).

Remove the five mounting bolts from the radiator cover.

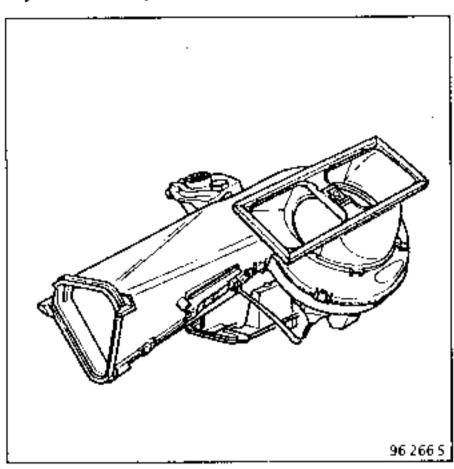


Use a screwdriver to remove the air distribution unit cover, which is held in place by a foam seal

Remove the radiator taking care not to damage the fins.

When refitting, insert the radiator into the distribution unit with its foam sealing strips.

The fan cannot be removed from the fan assembly. The assembly is sold as a complete unit by the Parts Department.

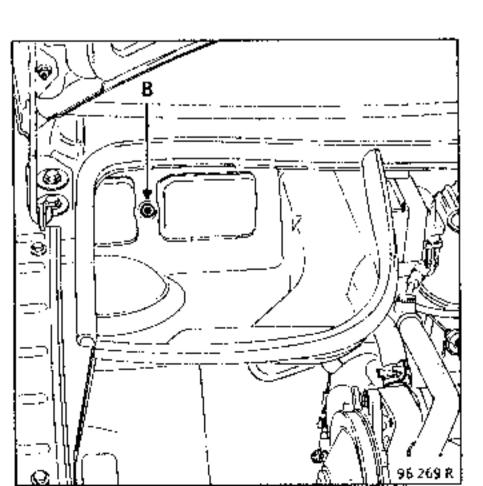


#### REPLACEMENT

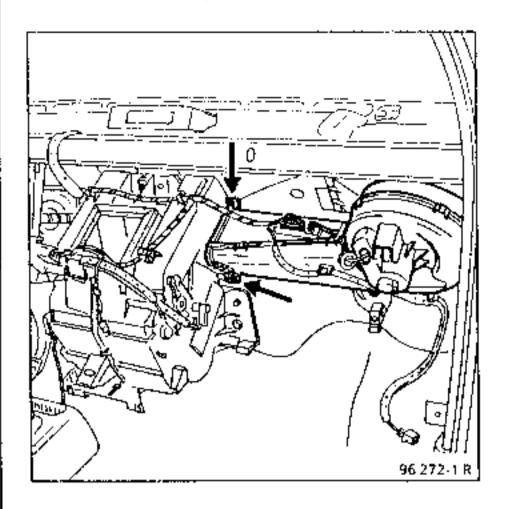
To remove the fan unit, the dashboard must be removed (see "Distribution unit" section).

#### Then remove:

- the resistance unit connector and release the wiring.
- the fan assembly mounting bolt (B) from the external air inlet partition,



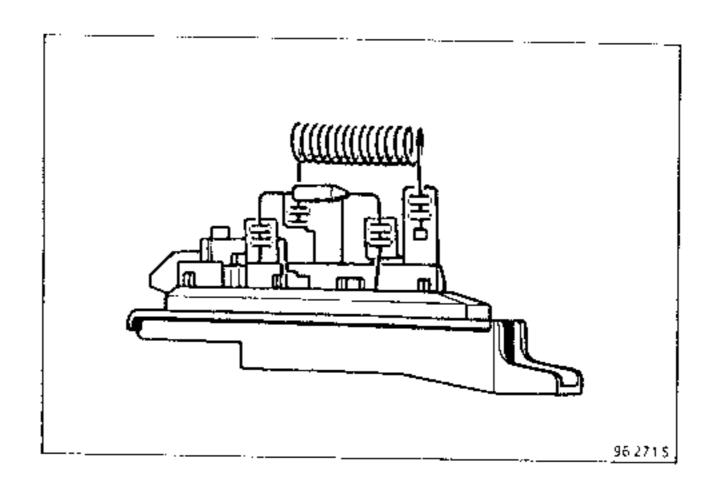
the two mounting bolts on the distributor unit,



- the fan assembly.

#### REFITTING

Refitting is the reverse of removal.

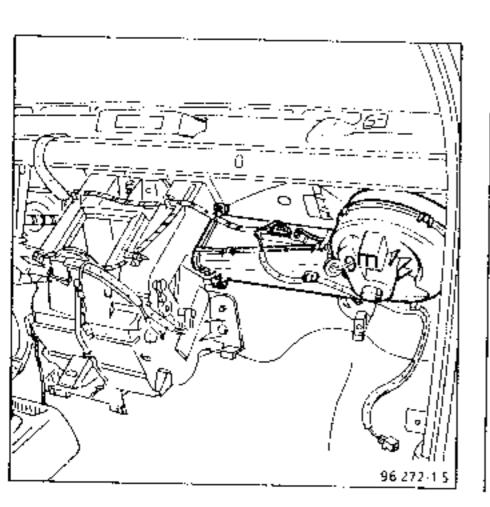


#### REPLACEMENT

The dashboard must be removed for this operation (see "Distributor Unit" section)

Remove the resistance unit connector and the unit mounting bolt

Remove the resistance unit from the fan assembly



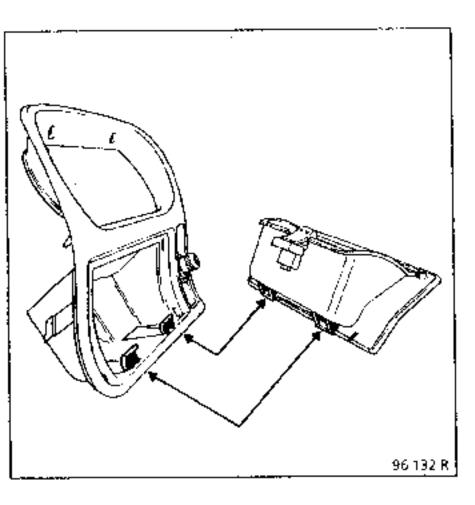
**NOTE**: if the resistance unit has been removed as it was damaged, check the fan is rotating freely (from the external air inlet partition), otherwise replace it

There are no special notes for refitting.

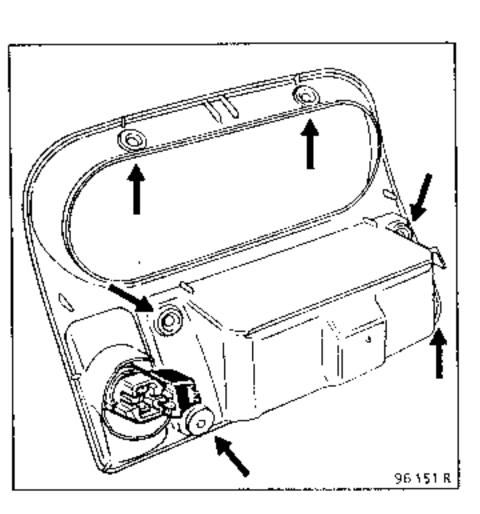
#### REPLACEMENT

#### Remove:

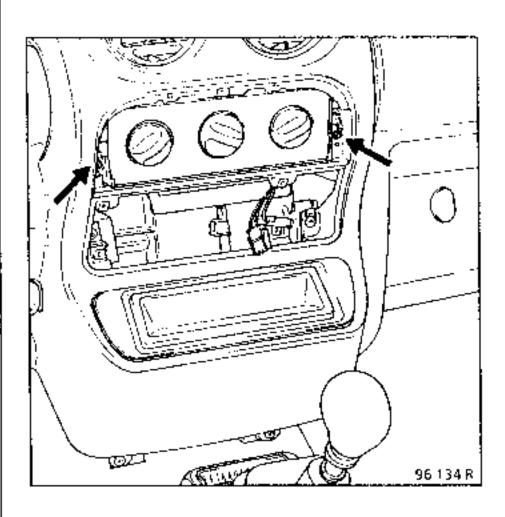
the ashtray,



the heating control panel surround (six bolts),



the two heating control panel mounting bolts



Release and remove the cables.

Release the connector and remove the the control panel.

When refitting, hook the cables to the control panel so the cable sleeves are on the stop.

#### AIR MIXING CABLE

The air mixing cable can be replaced without having to remove the dashboard

#### REMOVAL

Disconnect the battery.

#### Remove:

- the control panel (see corresponding section),
- the clips on the control panel and on the distributor unit then remove the cable.

#### REFITTING

#### Control panel side

Clip the cable on the control panel with the cable sleeves on the stops.

#### Distributor unit side

Position the control panel temperature knob and the mixing flap on maximum cold.

Hook the cable on and clip the cable sleeve stop into position

Refit the control panel.

Reconnect the battery.

NOTE: there is no adjustment on the control panel side

#### AIR DISTRIBUTION CABLE

The dashboard must be removed to replace the air distribution cable (see "Distribution Unit" section).

#### REFITTING

#### Control panel side

Clip the cable on the control panel with the cable sleeves on the stops.

#### Distributor unit side

Position the control panel distribution knob and the mixing flap on position

Hook the cable on and clip the cable sleeve stop into position.

Refit the dashboard.

**NOTE**: there is no adjustment on the control panel side