

SECTION 9A

HEATER, VENTILATION

GENERAL DESCRIPTION	9A — 330
Heater Control	9A — 331
Ventilation	9A — 331
TROUBLESHOOTING	9A — 333
ON-CAR SERVICE	9A — 333
Wiring Diagram	9A — 333
Heater Blower Motor	9A — 334
Heater Blower Resistor	9A — 334
Heater Blower Motor Switch	9A — 334
Heater Unit	9A — 337

GENERAL DESCRIPTION

The heater equipped in this car is a warm water type heater which can be selected two positions, inside air circulation and fresh air intake. The best heating and ventilation is provided by installing ventilators in center, left and right on instrument panel, warm air outlet on the floor of the front passenger seat.

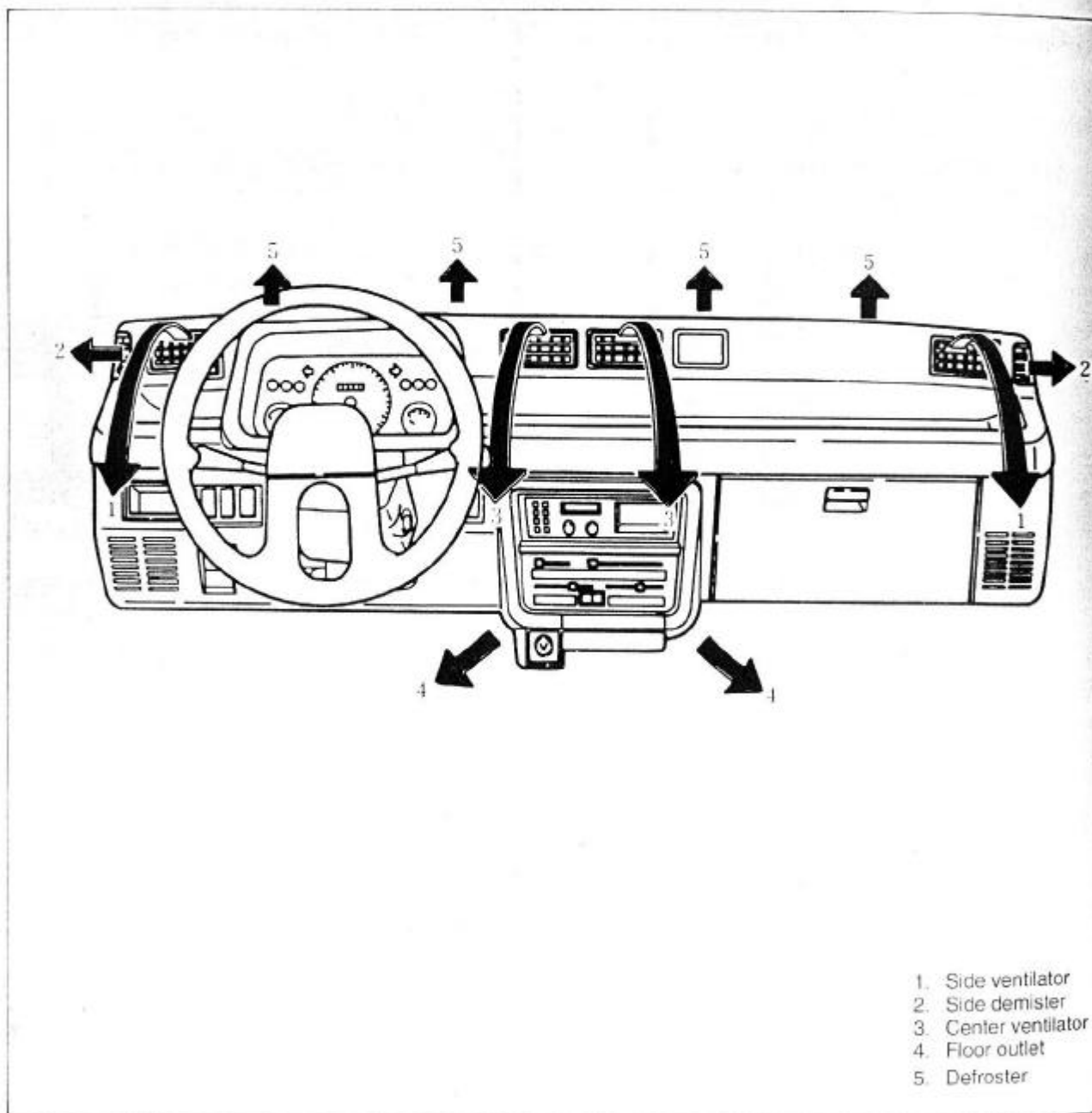


FIG. 9A — 1

HEATER CONTROL

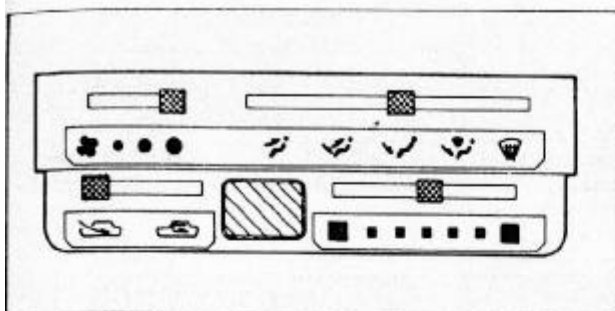


FIG. 9A — 2

A: Airflow Control Lever

	Defroster, side demister
	Defroster, side demister floor outlet
	Floor outlet
	Center and side ventilator, floor outlet
	Center and side ventilator

FIG. 9A — 3

VENTILATION

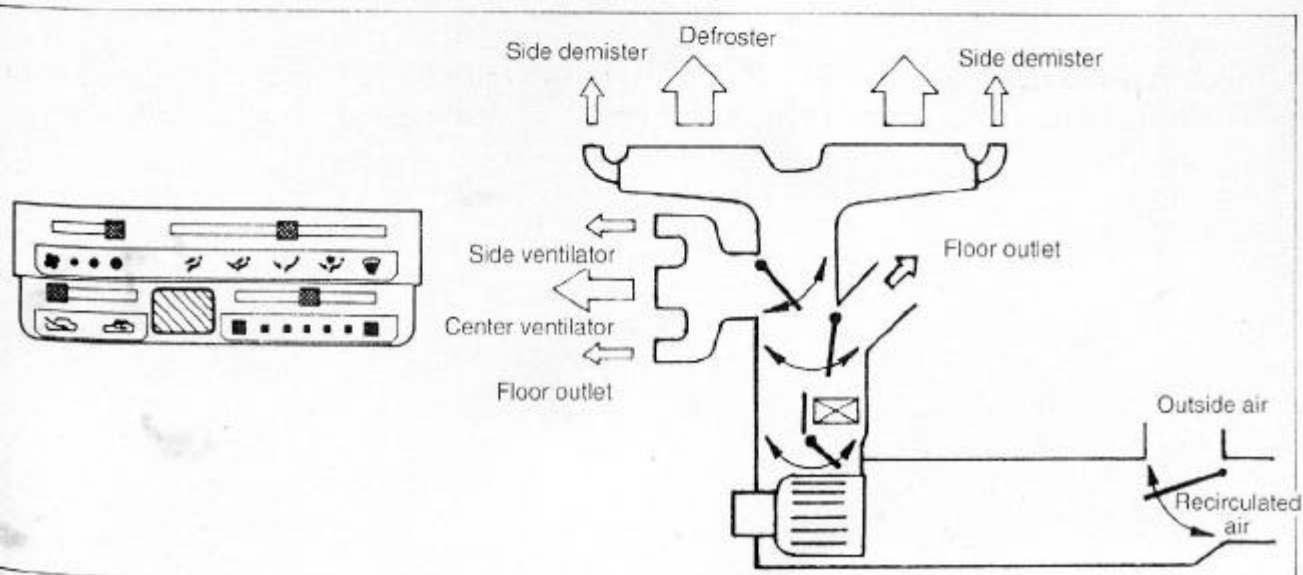


FIG. 9A — 5

B: Fresh Air Control Lever

	Recirculated air
	Fresh air

FIG. 9A — 4

C: Temperature Control Lever

Room air temperature control is provided by positioning this lever.

Setting this lever to right, the room temperature will be increased.

D: Fan Switch Lever

It controls amount of airflow if positioned fully right the maximum airflow will be supplied.

FRESH AIR INTAKE HEATING

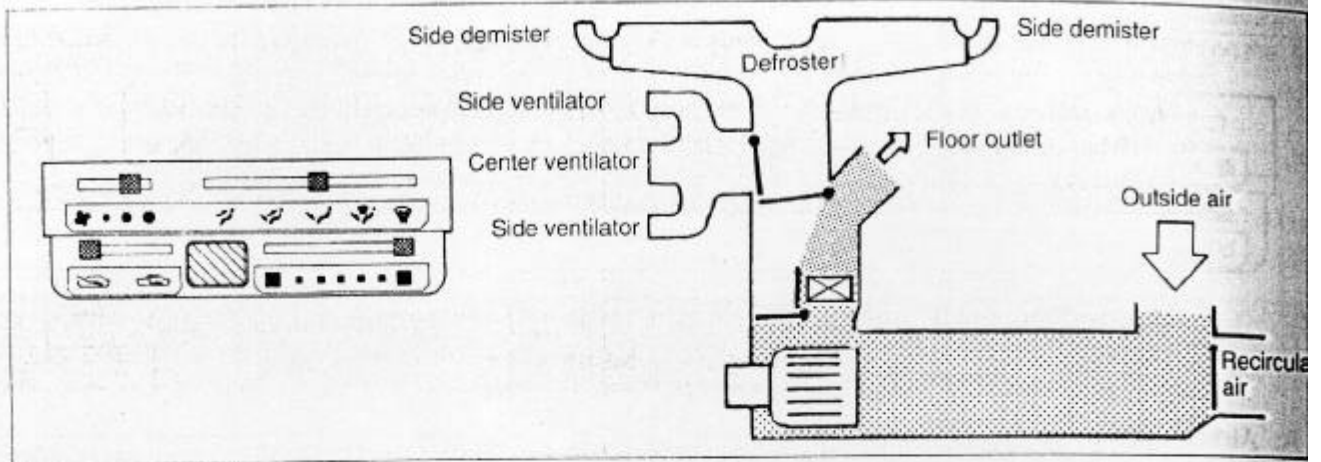


FIG. 9A — 6

INSIDE AIR CIRCULATION HEATING

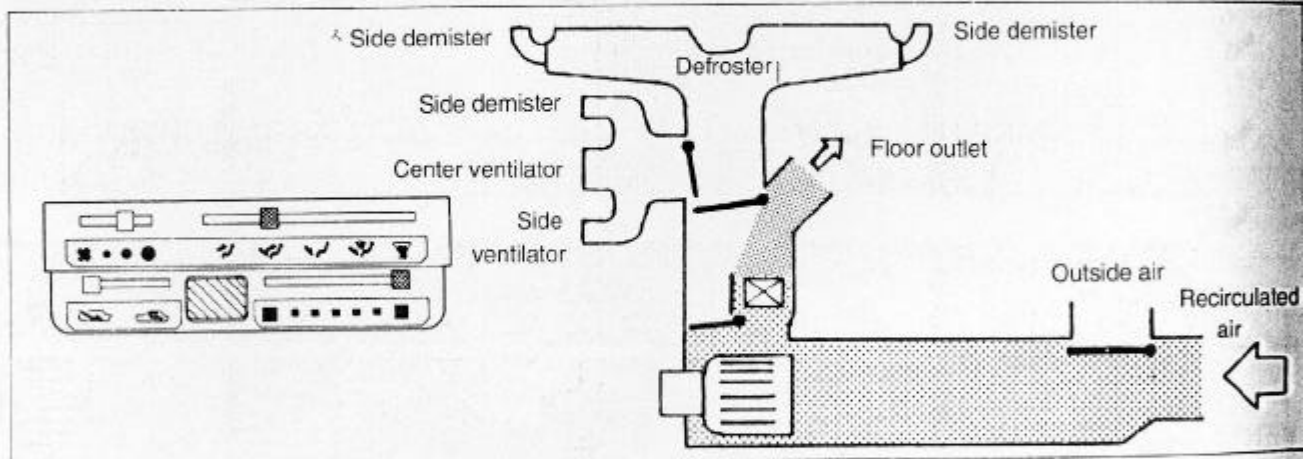


FIG. 9A — 7

UPPER COOLING AND LOWER WARMING HEATING

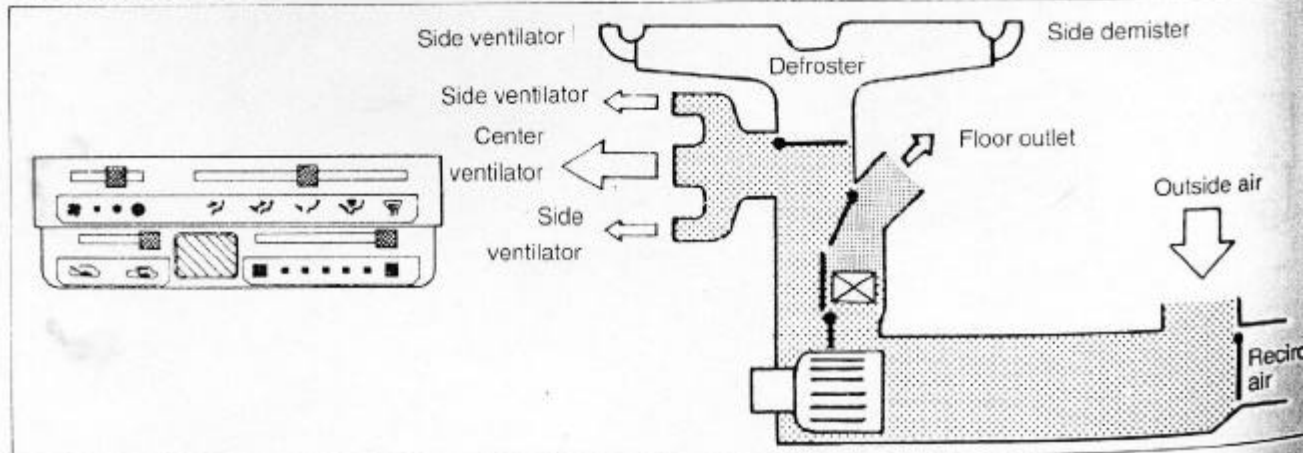


FIG. 9A — 8

TROUBLESHOOTING

Condition	Probable Cause	Correction
Heater blower won't work even when its switch is ON	<ul style="list-style-type: none"> • Heater fuse blown • Heater resistor faulty • Blower motor faulty • Wiring or grounding faulty 	<ul style="list-style-type: none"> • Replace fuse • Check resistor and replace it if necessary • Replace motor • Repair
Incorrect temperature output	<ul style="list-style-type: none"> • Heater control cables broken or operational control faulty • Air damper broken • Air duct clogged • Heater core leaking or clogged • Heater hoses leaking or clogged 	<ul style="list-style-type: none"> • Check cables for damage • Repair damper • Repair air ducts • Replace heater core • Replace hoses

ON-CAR SERVICE

WIRING DIAGRAM

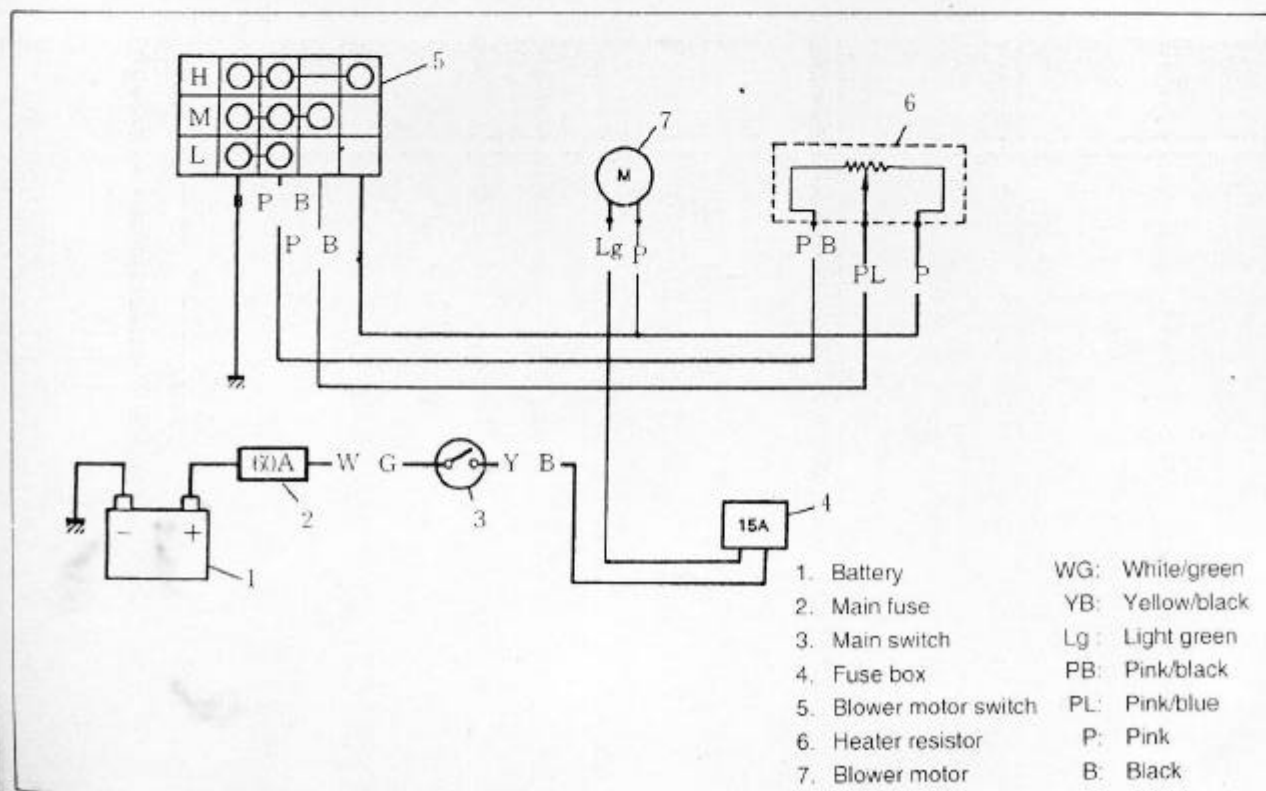


FIG. 9A — 9

HEATER BLOWER MOTOR

Removal

1. Disconnect \ominus terminal from battery.
2. Disconnect blower motor and resistor leadwires at couplers.
3. Remove three setscrew securing blower motor on blower motor unit.

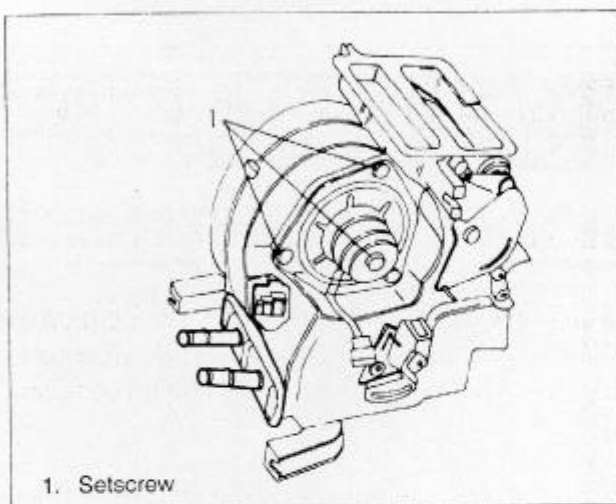


FIG. 9A — 10

Installation

It is the reverse of removal procedures.

HEATER BLOWER RESISTOR

Removal

Loosen setscrew and remove heater blower resistor motor.

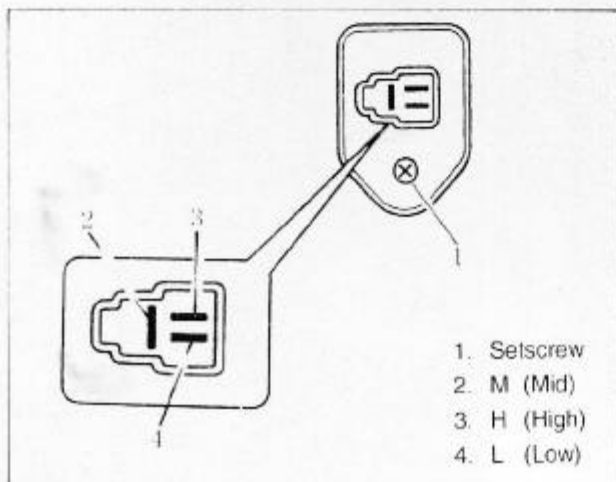


FIG. 9A — 11

Inspection

Measure resistances between resistor terminals.

CAUTION

When measuring resistance, it must be carried out after zero(0) setting of tester was done.

Terminal-to-terminal	Resistance(Ω)
H — M	1.3
H — L	3.0
M — L	1.7

If measured value does not proper, replace heater blower resistor.

CAUTION

Do not use wire or lead when coil is shorted but must be replaced resistor with same one.

Installation

Install heater blower resistor using screw.

HEATER BLOWER MOTOR SWITCH

Removal and Inspection

1. Pull out the control lever.
2. Remove heater control lever panel garnish.
3. Remove heater control lever panel.
4. Unscrew heater control lever assembly.
5. Check for continuity between terminals on heater blower motor switch.

	B	P/B	P/L	P
H				
M				
L				

B: Black

P: Pink

P/B: Pink/Black

P/L: Pink/Blue

Installation

It is the reverse of removal procedures.

Adjustment

A. Airflow control cable

1. Set control lever in defroster position.

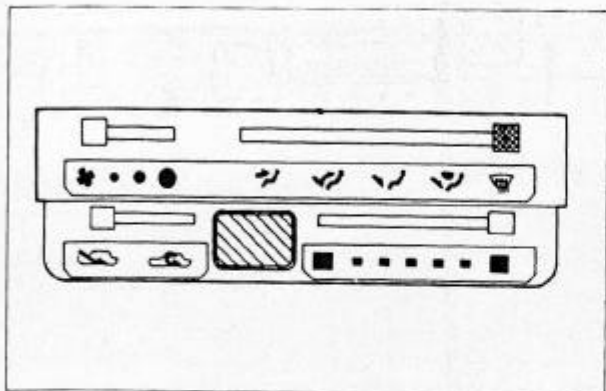


FIG. 9A — 12

2. Pull lever and link fully to arrow direction as shown in figure then secure cable.

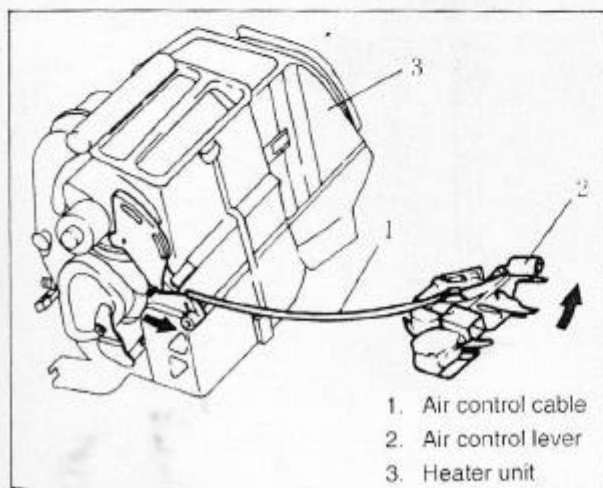


FIG. 9A — 13

3. After securing cable, check for operation

B. Temperature control cable

1. Put control lever at COOL position.

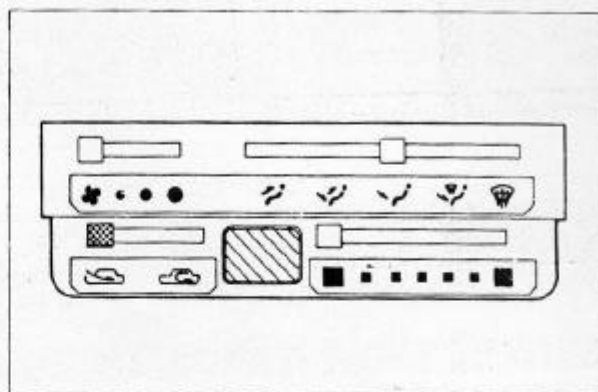


FIG. 9A — 14

2. Pull lever link fully to arrow position as shown below and then secure cable.

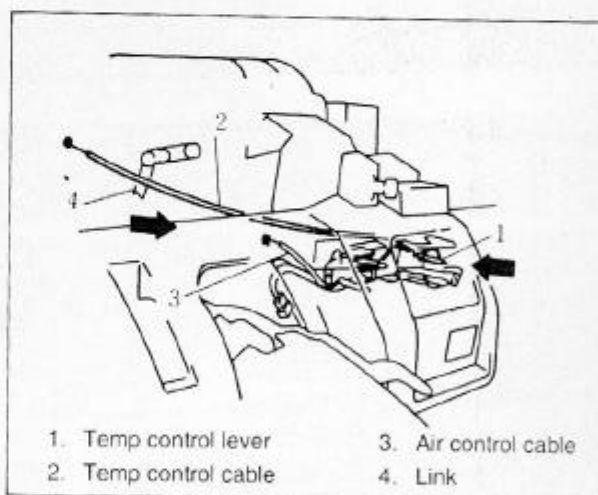


FIG. E 9A — 15

3. After securing cable check for operation.

C. Fresh air control cable

1. Put control lever at circulation position.

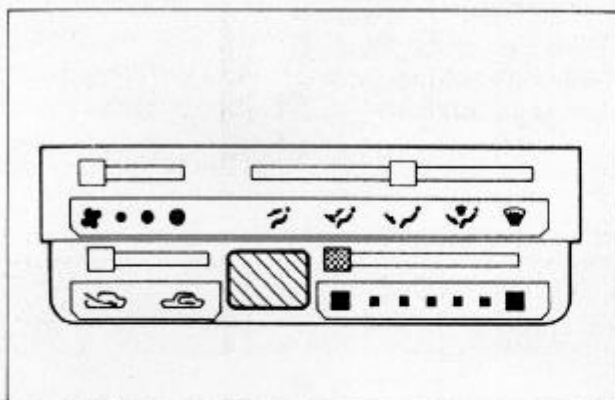


FIG. 9A — 16

2. Pull lever fully to arrow direction as shown in figure then secure cable.

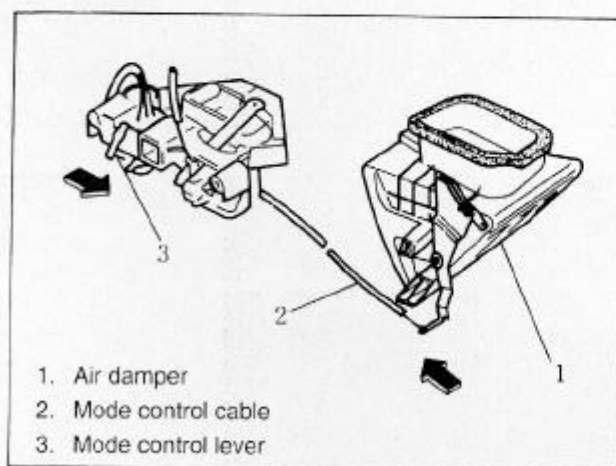


FIG. 9A — 17

3. After securing cable, check for operation.

HEATER UNIT

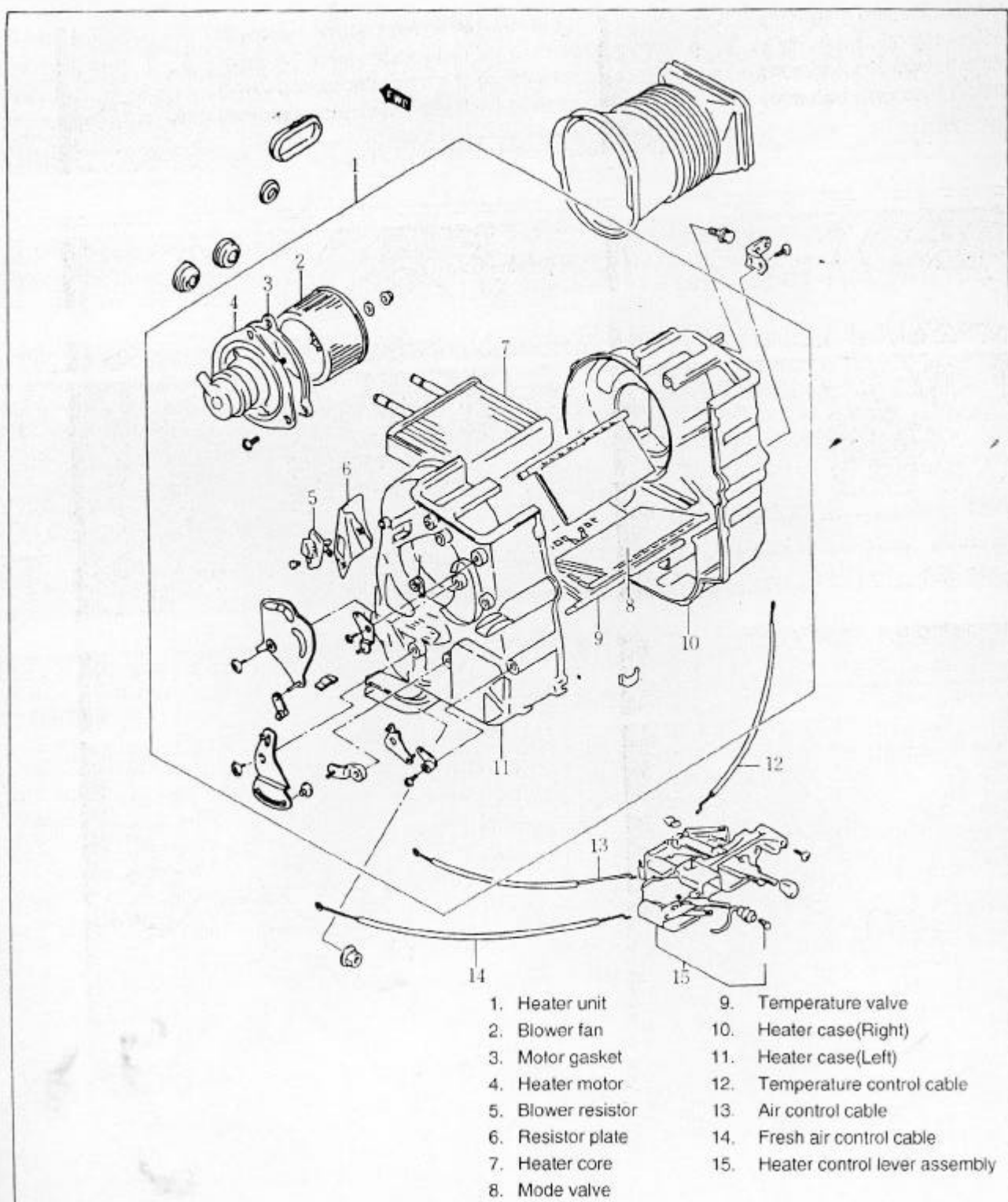


FIG. 9A — 18

Removal

1. Loosen radiator drain bolt and drain cooling water. Remove hoses(2) from heater unit.
2. Remove instrument panel and its associated parts.
3. Disconnect coupler on wiring panel.
4. Remove heater case mounting bolts and nuts.

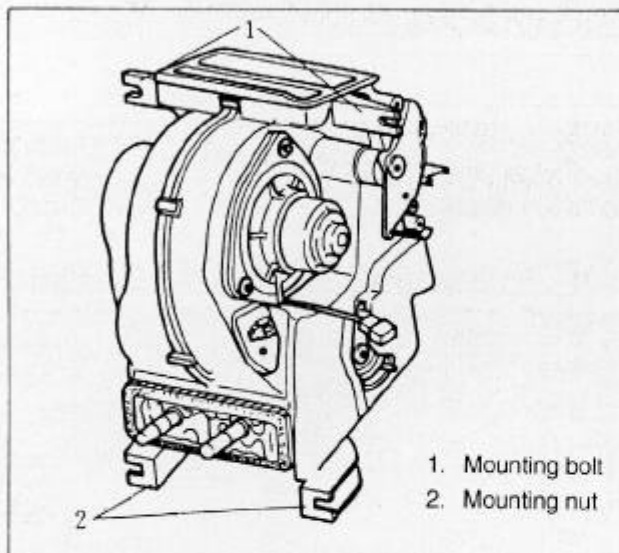


FIG. 9A — 19

5. Pull out heater core from heater unit.

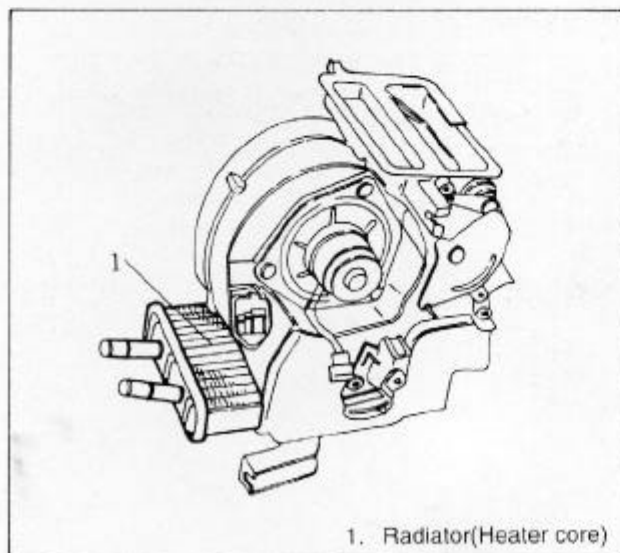


FIG. 9A — 20

Installation

It is the reverse of removal procedures . Take care of the followings.

- Adjust control cable.
- Fill specified coolant.