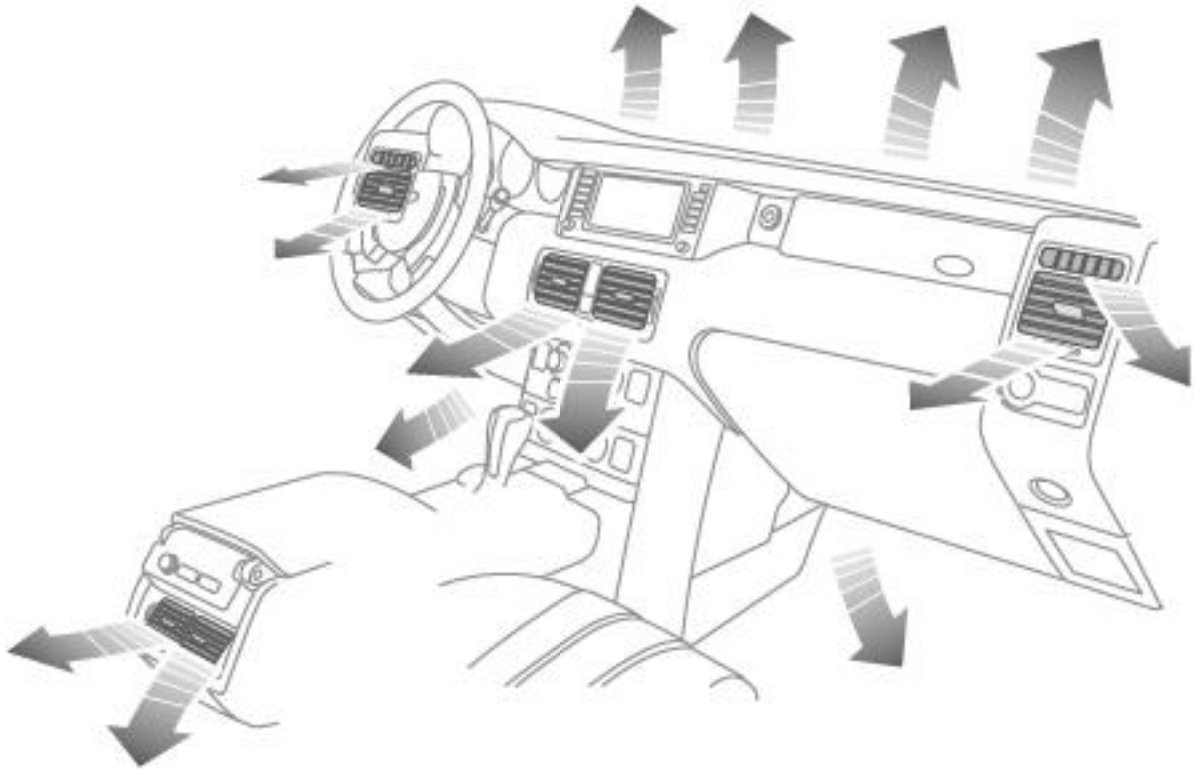


# Heating & Ventilation

## VENTILATION



H4696

The ventilation system provides fresh or heated air to the interior of the vehicle from the air intake grille in front of the windshield.

**NOTE:** Always keep the air intake grille clear of obstructions such as leaves, snow or ice.

Air outlets are provided to the windshield, face and feet - the location of those vents is shown in the illustration above. The temperature of the air supplied to the vents is controlled by the heater.

Information concerning the operation of the heating and ventilation system, appears on the following pages.

# Heating & Ventilation

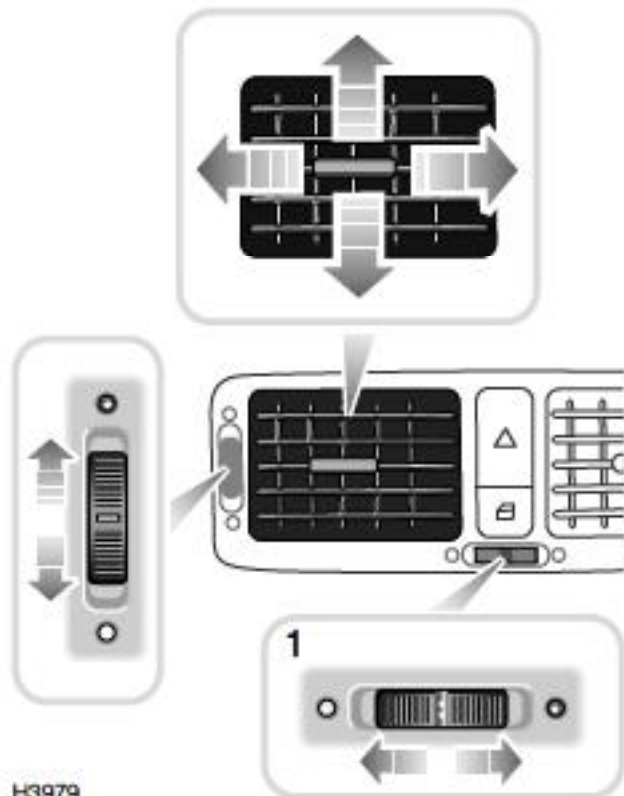
## Air Vents

The temperature of the air from all vents is controlled by the temperature settings of the heater.

Rotate the thumbwheel towards the green indicator to open, or the white indicator to close the vents. Direct the air flow by moving the control in the center of the louvres.

To ensure best ventilation and minimum noise, the vents should be fully open when the air conditioning air distribution control is set to face level.

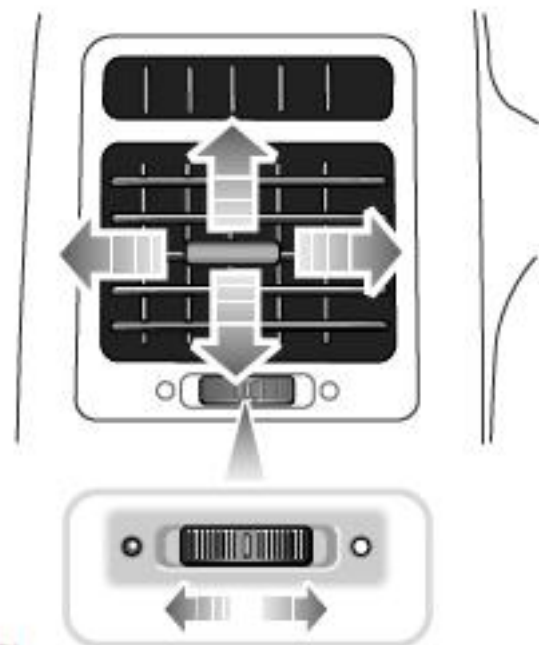
## Center foot/face level vents



H3979

When the air conditioning air distribution control is set to either 'Auto' or 'Face and Foot' outlet, the temperature of the air emitted through the foot/face level vents can be finely adjusted to differentiate between foot and face temperature. Rotate the thumbwheel (1), towards the left (red indicator) for warm air and to the right (blue indicator) for cooler air.

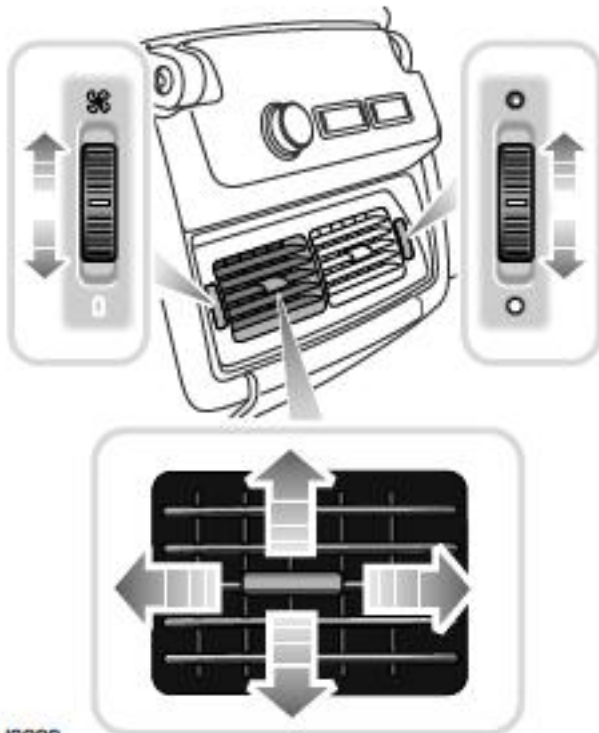
## Side face level vents



H3978

# Heating & Ventilation

## Rear vent controls



H3980

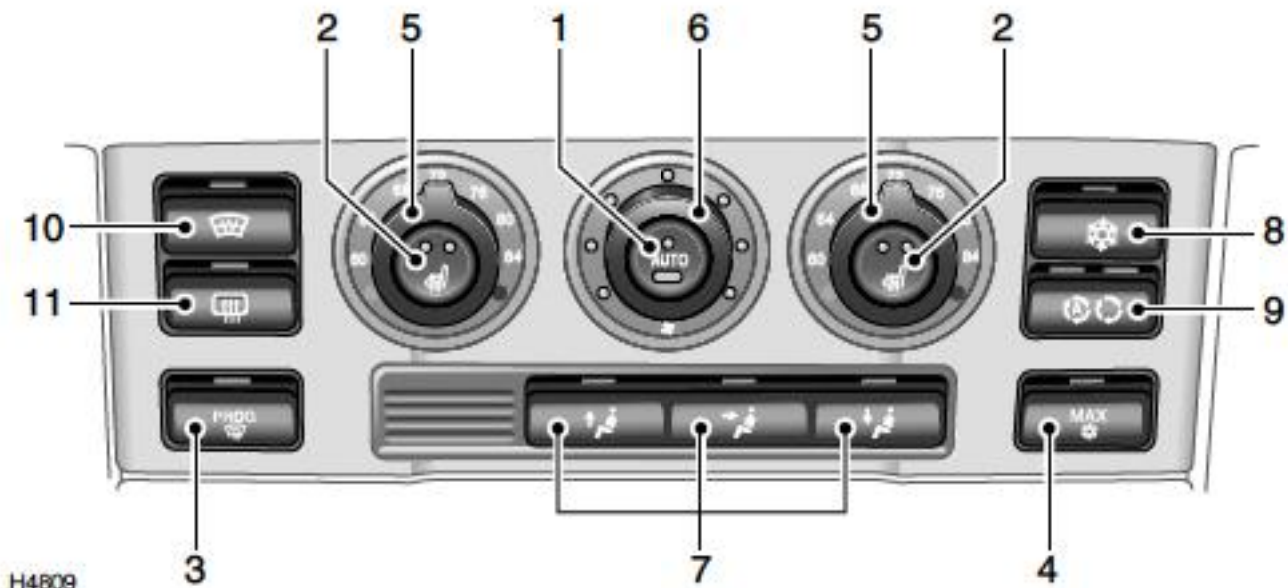
The left hand control operates the blower; rotate the thumbwheel upwards to increase the blower speed. The right hand control adjusts the temperature; rotate the thumbwheel upwards (red indicator) for warmer air, downwards (blue indicator) for cooler air.

**NOTE:** The temperature set by the front occupants restricts the maximum level of warm air the rear passenger can select.



# Heating & Ventilation

## FULLY AUTOMATIC AIR CONDITIONING



The air conditioning system features automatic temperature and air distribution control, which is programmed to maintain optimum levels of comfort within the vehicle in all but the most severe climatic conditions.

While the controls can be adjusted manually to satisfy individual requirements, allowing the system to function automatically (in Auto mode) is by far the simplest method of operation for the owner and is preferable in most operating conditions.

### 1. Auto mode

- Press 'AUTO' (1) for fully automatic operation (both indicator lights in the switch illuminate).
- Rotate the temperature controls (5) to select the required temperature.
- Let the automatic temperature control system do the rest.

In Auto mode, air conditioning, air distribution, blower speeds and air recirculation are adjusted automatically to achieve and then maintain the desired driving environment.

Both the air distribution and blower controls can be operated independently to override the automatic setting. In this case, the appropriate indicator light in the 'AUTO' switch extinguishes (the circular light represents the blower, the rectangular light represents air distribution). Press 'AUTO' again to re-establish automatic operation.

**NOTE:** If the air distribution and blower controls are operated independently, the system may not be able to achieve or maintain the required temperature settings.

### 2. Front seat heaters\*



Press once to operate at a high level, press twice to heat the seats at a lower level. For further information concerning the operation of both front and rear seat heaters, please refer to 'SEAT HEATERS\*', page 98.



# Heating & Ventilation

## 3. Defrost mode



If the windshield is misting or covered in ice, press to activate the automatic defrost programme; the system will immediately direct its output to achieve maximum windshield clearing by:

- setting the blower speed and temperature to maximum.
- distributing air flow to the windshield only.
- deactivating the rear blower.
- deactivating air recirculation.

In addition, the rear and front windshield heaters will be switched on (or their timed operating cycle will recommence if they are already switched on).

Press the button a second time (or select 'AUTO' or any air distribution control) to leave the Defrost mode.

## 4. Maximum air conditioning



This mode automatically activates the air conditioning and air recirculation, and sets the blower speed at maximum and the air distribution to the face level vents. This mode overrides the current temperature settings.

## 5. Temperature controls

Rotate the controls to set the required temperature for the corresponding side of the passenger compartment (left hand switch for the left side of the vehicle, and right hand switch for the right side).

Temperatures above 82°F (28°C) and below 61°F (16°C) cannot be set.

The temperatures on the control surrounds are relative, target temperatures only and are not reflective of any specific temperature measured within the vehicle interior.

**NOTE:** *The system will not achieve temperatures on the passenger side of the vehicle that are more than 9°F (5°C) greater or less than the temperature set for the driver's side.*

## 6. Blower control

Rotate clockwise to increase and anti-clockwise to decrease airflow from the vents.

## 7. Air distribution control

Press the appropriate button to select the desired distribution setting:



Foot level vents



Face level vents



Windshield and side window vents

More than one setting can be selected at once, to get the desired distribution.



# Heating & Ventilation

## 8. Air conditioning control



With the engine running, press the button to manually activate the air conditioning, or to switch off the air conditioning if it has been previously selected (manually or automatically).

## 9. Air recirculation



Air recirculation prohibits the entry of air from outside the vehicle, alternatively recirculating the air inside the vehicle instead. This is useful to prevent the entry of traffic fumes.

**NOTE:** On some vehicles, there is also a remote air recirculation button on the steering wheel. This button is a simple on/off button and does not incorporate the automatic recirculation feature (see 'REMOTE AIR RECIRCULATION', page 99).

Press the button once to activate automatic recirculation. This feature automatically activates air recirculation when sensors fitted to the vehicle detect high levels of air pollution, therefore preventing the ingress of fumes into the vehicle (in a traffic queue, for example).

Press the button a second time to activate air recirculation.

Press the button a third time to deactivate air recirculation.

Air recirculation also significantly influences the dehumidifying and cooling performance of the air-conditioning system. Therefore, in Auto mode, air recirculation is regulated automatically to enable the air-conditioning system to achieve its optimum performance.

**NOTE:** Prolonged recirculation may cause the windows to mist.

## 10. Heated front windshield



Press to operate, the indicator light in the switch will illuminate whenever the windshield heater is on.

## 11. Heated rear windshield



Press to operate; the indicator light in the switch illuminates whenever the windshield heater is on.

**CAUTION:** DO NOT stick labels over the heating elements on the rear windshield, and DO NOT scrape or use abrasive materials to clean the inside of the rear windshield.

# Heating & Ventilation

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## **USING YOUR HEATER**

Fresh air enters the heater unit through the grille in front of the windshield and stale air is drawn out through vents in the rear of the vehicle.

The following examples of basic heater settings are intended as a general guide; the air distribution, temperature and blower controls can then be further adjusted to suit your comfort requirements. Always remember that full heating is not available until the engine has reached its normal operating temperature.

### **Maximum heating**

Set the temperature control to maximum and the air conditioning air distribution control to 'AUTO', with the blower at the slowest speed (position 1) until the temperature gauge indicates that the engine is warming up - the blower speed can then be increased. Set the center face ventilation temperature control fully towards the red indicator.

### **Demisting/defrosting**

Switch on the air conditioning and the windshield heaters, then set the temperature and blower controls to maximum. Set the air conditioning air distribution control to 'all air to windshield', to obtain the maximum flow of heated air from the windshield and side window vents. When defrosting, switching on air recirculation will help, but remember to switch off air recirculation as soon as defrosting has completed, to avoid windshield misting.

### **Maximum ventilation**

Set the temperature control to your preferred interior temperature. Switch on the air conditioning and select air recirculation. Set the air distribution control set to 'Air to face vents'. Ensure the face level vents are open and set the center face vent temperature control fully towards the blue indicator. Adjust the blower speed to maximum.

Opening a window or the sunroof may improve ventilation. Remember; do not open a window or the sunroof, if the air conditioning is operating.



# Heating & Ventilation

## GENERAL NOTES

- For optimum operating efficiency, ensure all the air vents (including those in the rear of the vehicle) are open.
- For the automatic temperature control system to function efficiently, all windows (and the sunroof) should be closed, and the air intake vents free from ice, snow, leaves or other debris.
- In very humid conditions, slight windshield misting may be experienced when the air conditioning system is turned on. This is a natural occurrence on most automotive air conditioning systems. It is not a fault and misting will clear after a few seconds once the air conditioning system is operating.
- The air conditioning compressor will not function unless the engine is running.
- Surplus water produced by the dehumidifying process is expelled from the system via drain tubes beneath the vehicle. This may result in a small pool of water forming on the road when the vehicle is stationary and is not a cause for concern.

## SEAT HEATERS\*



H4334

*Front seat heaters*



H4037

*Rear seat heaters*



# Heating & Ventilation

With the starter switch turned on, the seat cushion and seat back can be heated at two different levels.

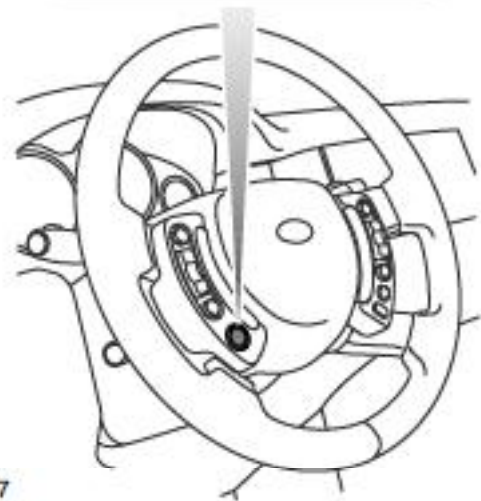
- Press once to operate at a high level (both indicator lights illuminate).
- Press twice to heat the seats at a lower level (right hand indicator light extinguishes).
- Press the switch a third time to turn off the heater manually (both indicator lights will extinguish).

The seat heaters are thermostatically controlled and will operate intermittently to maintain a predetermined temperature. The indicator lights in the switches will remain illuminated until the heaters are either manually turned off, or if the starter switch is turned off.

## IMPORTANT INFORMATION

The seat heaters consume considerable power from the battery. For this reason, they should **ONLY** be operated while the engine is running.

## REMOTE AIR RECIRCULATION



H4087

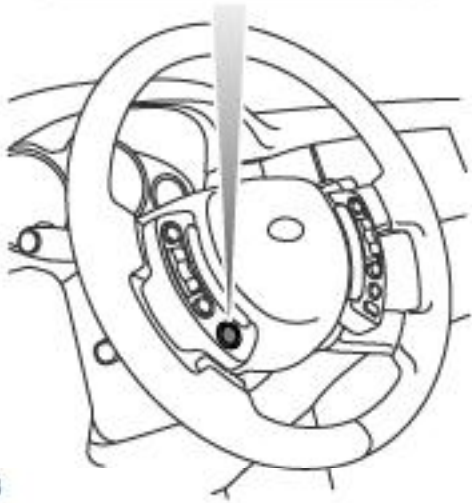
Press to turn air recirculation on or off. The indicator light in the main recirculation control will illuminate when air recirculation is active.

**NOTE:** On vehicles fitted with a heated steering wheel, the remote air recirculation switch is not fitted.

# Heating & Ventilation

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## HEATED STEERING WHEEL \*



H4086

Press to activate the steering wheel heating elements. The heating elements are thermostatically controlled and operate intermittently (when switched on) to maintain a comfortable temperature. Press the switch again to manually deactivate the heater.