

# Climate control

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## PRINCIPLE OF OPERATION

### Air conditioning

Air conditioning is an integral part of the heating and ventilation system, providing cooled and dehumidified air for occupant comfort. The dry airflow is effective in preventing misting of windows and is also beneficial at low external temperatures.

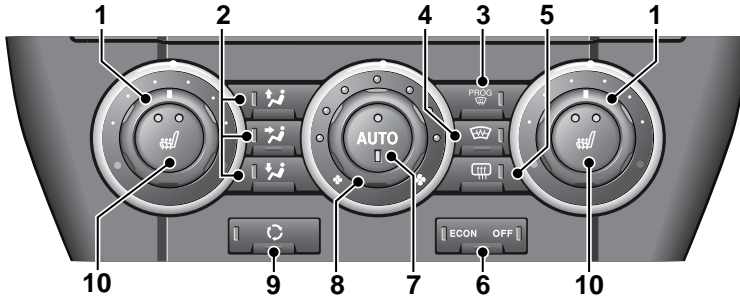
Air conditioning is automatically switched on and controlled whenever the system is not operating in **ECON** mode.

<b>External water deposits</b>
The air conditioning system removes moisture from the air and deposits excess water beneath the vehicle. Puddles may form, but this is no cause for concern.

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## AUTOMATIC CLIMATE CONTROL

### Controls



LAN1214

1. Left and right temperature controls, rotate either control to adjust.
2. Air distribution.  
Press the relevant button to set the air distribution to the required points. It is possible to select more than one option by pressing the required combination of buttons.
3. Maximum defrost program, press to switch on/off.
4. Heated front screen, press to switch on/off.
5. Heated rear screen, press to switch on/off.
6. Economy mode/climate control system, press repeatedly to toggle between:-
  - Air conditioning on- LEDs off.
  - ECON - Economy mode. Air conditioning off.
  - Off - Climate control system off.
7. AUTO mode, press to select fully automatic operation.
8. Blower speed, rotate to adjust air flow speed through the vents. In manual mode current speed selection is indicated by an illuminated LED.
9. Recirculation, press to switch on/off.
10. Seat heaters, press to switch on/off. Press once to turn on high, twice to turn on low, and a third time to turn off.

**Note:** The amber tell-tale lights in the switches will illuminate when the function is selected.

**Note:** In low temperatures it is advisable to close the centre face level vent, and direct air flow from the outer face level vents towards the side windows. This will help to keep the windows clear of ice.

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## Auto mode



Press **AUTO** to select automatic operation.

The system will adjust the heat output, blower speed, air intake and airflow distribution to maintain the selected temperature(s) and reduce misting without further adjustments.

There are two tell-tale indicators on the Auto button. The round indicator represents the blower control, and the rectangular indicator the air distribution control. In fully automatic mode both indicators illuminate, the round indicator will extinguish if the blower speed is changed manually, and the rectangular indicator extinguishes if the air distribution is changed manually.

To resume fully automatic operation at any time, press the **AUTO** button.

### Recommended mode

Select **AUTO** as the normal operating mode. This will help prevent window misting and odours from the climate control system.

## Temperature selection (Automatic system)

### Operating note

On the automatic system, it is not possible to achieve a temperature differential of more than 4°C (7°F) between the left and right.

## Air distribution control

An LED will illuminate in the selected switches.



Front screen and side window vents



Face level vents



Foot level vents

## Recirculation

When selected, the air is recirculated inside the vehicle. This helps to maintain a high or low temperature, and is useful for preventing fumes from entering the vehicle.



A single brief press will select recirculation for four minutes. The system will then revert to fresh air intake to prevent misting.

Pressing and holding the button will select recirculation until it is switched off. This state is indicated by three flashes of the tell-tale lamp in the switch.

**Note:** Prolonged use at low temperatures may cause the windows to mist.

## Economy mode/climate control system off



To change options press the switch repeatedly until the required option is selected.

1. Neither of the two LEDs are illuminated. Air conditioning/climate control on.
2. Left-hand LED illuminated. Climate control system is on, but air conditioning is off. With this option selected the system is in economy mode.
3. Right-hand LED illuminated. Climate control system is off.

In economy mode air conditioning is switched off. This reduces engine load and fuel consumption.

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## Maximum defrost program



Press to remove frost or heavy misting from the front screen. The system will automatically adjust the blower output for maximum clearing, in addition the front and rear screen heaters will be activated.

Press again to switch off defrost mode. The screen heaters will remain on.

## Seat heaters



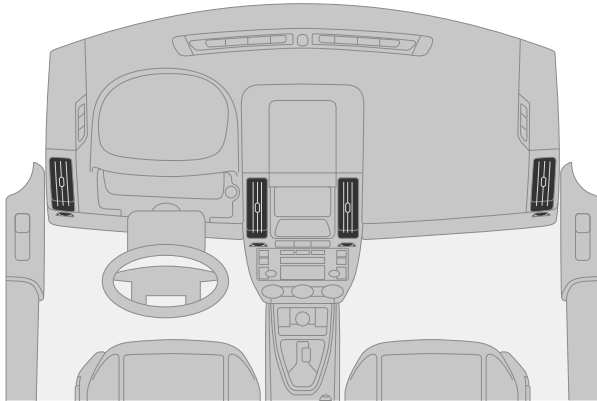
Press the relevant button to operate the required seat heater at high level. Both LEDs will illuminate.

Press a second time to heat the seat at a lower level. One LED will extinguish.

Press a third time to switch off.

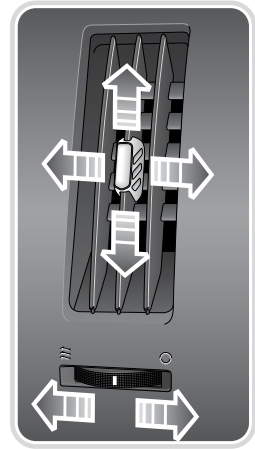
# Climate control

## AIR VENTS



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Adjust the direction and volume of air flow to suit your requirements.



## HEATED MIRRORS

The heated mirrors operate automatically when the heated rear screen is switched on.

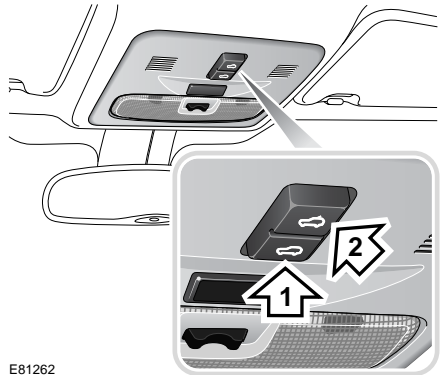
## ELECTRIC SUNROOF

### WARNING



Extreme care must be taken to ensure that none of the occupants have any part of their body in a position where it could be trapped by the panoramic sunroof when closing. Although an anti-trap mechanism is fitted, serious injuries can occur.

## Operation



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1. Front switch, closes or tilts the sunroof.
2. Rear switch, fully opens or closes the sunroof.

The panoramic sunroof can only be operated with the ignition on.

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## Tilt

With the roof closed, press and release the front of the switch. The sunroof will move to the tilted position automatically. It can be stopped at any point by pressing the button again.

## Fully open

With the sunroof closed, press and release the rear of the switch. The sunroof will move to the fully open position automatically. It can be stopped at any point by pressing the button again.

## Close

- From the fully open position, press and release the front of the switch. The roof will return to the closed position automatically.
- From the tilted position, press and hold the rear of the switch. Keep the switch pressed until the roof is fully closed.

## Anti-trap mechanism

### WARNING



The anti-trap mechanism does not operate when closing the roof from the tilted position. The sunroof can cause serious injury should a body part become trapped. Always ensure that the sunroof is free from obstructions before closing.

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If the sunroof encounters resistance when closing it will stop, and then open slightly. This is to prevent serious injury or damage to the mechanism.

## Override

### CAUTION



Wherever possible remove any snow, ice, dirt, leaves etc. from the sunroof mechanism before closing. Failure to do so may damage the sunroof mechanism.

The anti-trap mechanism can be overridden to allow the roof to be closed when movement is restricted by dirt or ice. To override the anti-trap mechanism, press and hold the front of the switch until the roof reaches the closed position.

## Calibration

If the battery is disconnected, or the power supply is interrupted, whilst the sunroof is partially open it will need to be recalibrated.

Once the battery is reconnected, or the power supply is restored, recalibrate the sunroof as follows :-

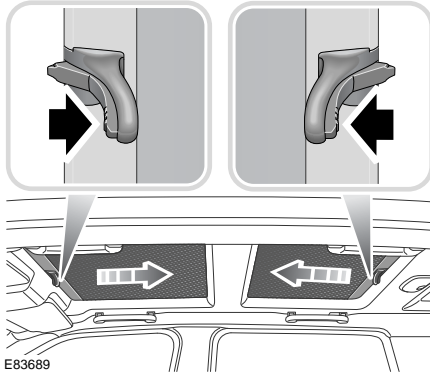
1. Switch the ignition on.
2. Press the front of the sunroof switch, and hold for twenty seconds.
3. After twenty seconds the sunroof will begin to move. Keep the front of the switch pressed until the sunroof has fully opened, then closed.
4. Once the open/close cycle has completed and the sunroof has stopped moving, release the switch.

The sunroof can now be operated as normal.

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## Sunroof blinds



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When opening the sunroof blinds, hold the catch firmly, then press the catch release button and allow the sunroof blind to open smoothly.