

# Climate Control

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## PRINCIPLE OF OPERATION

The system can be overridden by manual controls.

The climate control panel is located in the touch-screen centre console. There are two control facilities:

- A dedicated switch control panel located below the audio and CD panel.
- A multi-function touch control and display unit shared with navigation and other systems.

### General points

To ensure the satisfactory operation of the climate control system, note the following points:

- Ensure that the external grille at the base of the windscreen, which provides fresh air for the climate control system, is kept clear of leaves, snow or obstructions.
- Temperature and humidity sensors are located behind the small grille (1) adjacent to the steering column, see illustration on page 120. Do not cover or obstruct the opening.
- A solar sensor is mounted on the centre top of the fascia (2), see illustration on page 120. Ensure that this sensor is not covered.
- The external air intake to the air conditioner and heater system is fitted with a filter. Ensure that the filter is changed at the specified service intervals to maintain efficient operation.

- If the air conditioning system is not used frequently, it should be run briefly at least once each week, with a cold setting, to prevent the seals from drying out with subsequent refrigerant leaks.
- Moisture removed from the air by the air conditioning unit is discharged onto the road underneath the vehicle. After stopping, puddles of water may form underneath the vehicle: this is normal.

### Use of air conditioning



#### WARNING:

**To prevent humidity build up inside the vehicle and possible screen misting, avoid driving with the air conditioning system off or in manual air recirculation for prolonged periods.**

Air conditioning is an integral part of the climate control system, providing cooled and dehumidified air for occupant comfort; the dry airflow is also effective in preventing misting of the windows.

While the air conditioner can be manually switched off, it is recommended that it is used in all climatic conditions throughout the year, preferably in **AUTO** mode.

Close all windows and the convertible top when the air conditioning is on to ensure satisfactory operation.

# Climate Control

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## Use of air recirculation

The air conditioner and heater system is supplied with fresh air via an intake flap.

Closing the flap causes the air inside the vehicle to be recirculated. This helps to prevent unpleasant odours from being drawn into the vehicle and also to improve the performance of the air conditioner in very hot conditions.

In **AUTO** mode, the air intake flap is controlled automatically. If required, air recirculation may be manually selected.

***Note:** When air recirculation is selected, the sound of the airflow will change: this is normal.*

## Automatic air recirculation

**Caution: Don't set the automatic air recirculation sensor to a needlessly high level in cold and damp conditions: this could result in interior misting.**



The automatic air recirculation sensor detects road traffic pollutants and automatically selects air recirculation when the level of pollution outside the vehicle reaches a certain level. The level of pollution at which the sensor will respond can be adjusted on the touch-screen.

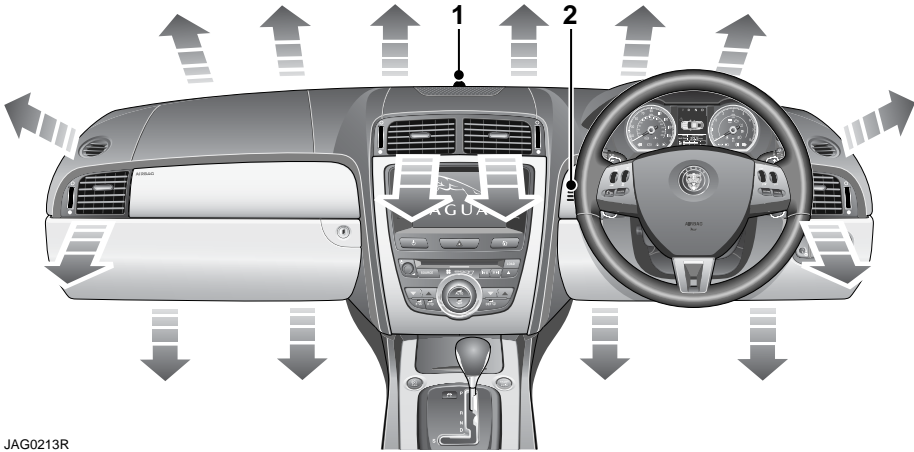
Once the level of pollutants decreases, air recirculation will switch off, subject to the normal operation of the automatic climate control system.

To set the level of the sensor:

- From the Climate Control **home** screen select **Settings**.
- Adjust the automatic air recirculation sensitivity setting as required by selecting the + or - buttons.

# Climate Control

## AIR VENTS



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The airflow from the fascia face level vents (see above illustration) is regulated using thumbwheel controls and adjustable direction vanes.

Air distribution between the windscreen, fascia and floor levels is selected automatically when operating in **AUTO** mode but can be selected manually via the touch-screen controls.

A solar sensor is mounted on the centre top of the fascia (**1**) and temperature and humidity sensors are located behind the small grille (**2**) adjacent to the steering column.

## AUTOMATIC CLIMATE CONTROL

Automatic climate control provides efficient regulation of the vehicle environment without constant adjustments from the occupant.

Sensors inside the vehicle monitor temperature, humidity (**2**) and direct sunlight (**1**). In response, the electronic control system automatically adjusts the heat input, blower speed, air intake and airflow distribution so as to maintain the selected temperature(s) and reduce misting.

Automatic operation provides optimum comfort under most driving conditions.

**It is recommended that automatic control (AUTO) is selected as the normal operating mode.**

# Climate Control

## Centre console control panel



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1. Rear windscreen heat.
2. Front windscreen heat.
3. Temperature decrease, left-hand zone.
4. Temperature increase, left-hand zone.
5. Air recirculation and fresh air.
6. Auto climate control knob.
7. Blower speed rotary control.
8. Temperature decrease, right-hand zone.
9. Temperature increase, right-hand zone.
10. Windscreen defrost and demist.
11. Climate control main touch-screen.

### Non-touch-screen operation

The climate control functions are selected by push buttons and a rotary control knob: most buttons have an illuminated LED.

Automatic control (**AUTO**) may be overridden at any time. Defrost and demist operation is available and also manual selection of blower speed, recirculation, air conditioning and windscreen heating.

### Panel illumination

The illumination level is adjusted by the common instrument panel dimmer control, refer to page 127.

# Climate Control

## To switch the system on

With the ignition system ON, press the **AUTO** rotary control knob in the centre of the centre console control panel. The system will switch on in the auto operating mode.

**Note:** *It is advisable to allow the system to stabilise before making large changes to the temperature setting, particularly at the start of a journey, refer to 'Temperature selection'.*

For normal usage select **AUTO** mode.

## To switch the system off

The system can only be turned OFF from the ON/OFF button on the **Climate** home touch-screen, see page 124.

## AUTO mode

Automatic operation provides a controlled environment over a temperature range of 16°C to 28°C (59°F to 83°F) and should be regarded as the normal operating mode.



To select automatic climate control press the **AUTO** button, the LED illuminates to confirm selection.

Select the required temperature.

Front and rear screen heating and timed air recirculation may be selected in **AUTO** mode. Selecting any other control will cancel **AUTO** operation.

## Temperature selection



Separate controls allow the driver and passenger zone temperatures to be independently adjusted. Press the red buttons to increase temperature and the blue buttons to decrease temperature.

Both driver and passenger temperatures are displayed on the touch-screen.

Pressing the driver's buttons to select the maximum or minimum temperature settings causes the display to change to HI or LO respectively and cancel **AUTO** mode.

To quickly jump from HI or LO to a convenient mid range temperature of 22°C (72°F), press and hold **AUTO** for a few seconds.

## External temperature

The external temperature is displayed at the top of the climate touch-screen zone.

## Air recirculation

### Latched air recirculation



Press the recirculation button to select latched air recirculation. Selection is indicated by the screen symbol and the button LED illuminating.

To deselect air recirculation, press the recirculation button again, or select **AUTO**.

# Climate Control



## WARNING:

**Prolonged operation with recirculation selected in cold, damp conditions could result in screen misting.**

## Windscreen defrost and demist



To remove frost or heavy misting from the windscreen, press the **DEF** button.

- The blower switches on automatically at a high level speed but the speed can be adjusted manually if required.
- Air conditioning switches on automatically (to dehumidify the air) and cannot be deselected.
- Recirculation is cancelled and cannot be selected.
- The front screen heater and the rear screen heater and door mirror heaters switch on automatically, provided the engine is running.

To deselect defrost mode, press **AUTO** or press the **DEF** button again.

## Heated screens



The front (**F**), (where fitted) and rear (**R** or **REAR**) screen heaters may be switched on and off in any mode, including system off, but only operate when the engine is running.

The front screen heater switches off automatically after 6½ minutes. The rear screen and door mirror heaters switch off automatically after 21 minutes.

The windscreen heaters may be manually deselected during the timed period using the push buttons.

In cold ambient conditions, at the start of a journey, the front and rear screen heaters will switch on automatically for the timed period. The rear heated screen will come on below -1°C (30°F) and the front screen will come on below 5°C (41°F).

## Air conditioning



Press the **AUTO** rotary control knob to turn the air conditioning on.

The air conditioning system is controlled automatically in **AUTO** mode to maintain the desired temperature and humidity (even if higher temperature settings are selected).

The air conditioning system is also switched on automatically in defrost mode (**DEF**) in order to dehumidify the air.

## Blower speed



Set the blower speed as required by adjusting the **AUTO** rotary control knob.

# Climate Control

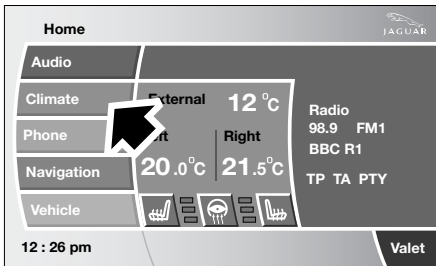
When operating in **AUTO** mode, blower speed is controlled automatically and AUTO is displayed on the touch-screen. Any adjustment of the knob will cancel **AUTO** mode.

**Note:** In **AUTO** mode, the blower only operates at low speed, if heating is required, until the engine is warm.

## Touch-screen operation

The climate control touch-screen is controlled via the **Home** touch-screen.

Press the **Climate** button on the **Home** touch-screen.



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The climate control main view is displayed, from which the climate control settings can be set.



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## Climate control display icons

The climate control display buttons and icons are as follows:



Auto climate control ON.



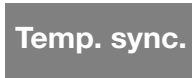
Distribution to windscreen.



Distribution to face.



Distribution to feet.



Synchronizes the driver and passenger climate control zones.



Blower speed control decrease and increase.

# Climate Control

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Climate 

Climate ON/OFF button.

Econ

Econ ON/OFF. With the engine running and the Econ button switched on, the climate control systems selects economy mode which reduces the power consumed by the system.

Settings

Access to the Settings control touch-screen to adjust personal climate zone settings, also access to the automatic air recirculation sensor control setting, see page 119.