

Introduction

This vehicle is fitted with one of the following climate control systems:

- Manually controlled system with air conditioning. See page 5-4.
- Automatic climate control system with an LCD (liquid crystal display) screen. See page 5-7.
- Automatic climate control system with touch screen (shared with the navigation and audio systems). See page 5-11.

Each system has a unique control panel located in the centre console above the radio and audio controls.

Operating instructions for each system are on the following pages, with general information, applicable to all three systems, given below.

The climate control systems may also be operated by spoken commands if the optional voice activation system is fitted. For full information on the use of this system, refer to the Voice Activation Handbook.

Recommended operation

Use of air conditioning

The manual and automatic climate control systems are fitted with air conditioning to provide cooling and dehumidified air.

The dry airflow is also effective in preventing misting of the windows. It is recommended that air conditioning is used in all climatic conditions throughout the year.

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

Use of air recirculation

The air conditioner/heater system is supplied with fresh air via an intake flap. The flap may be closed to allow 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.

On all systems, air recirculation may be manually selected either for an automatically timed period or to remain on continuously (latched recirculation).

When latched recirculation is selected, the air conditioning will switch on automatically to reduce condensation.

Automatic climate control systems

With automatic climate control systems, the air conditioning, recirculation and other functions are fully controlled in AUTO mode to provide optimum comfort under most driving conditions.

It is recommended that AUTO is selected as the normal operating mode on these systems.



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.

5-2 Climate control

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.
- Vehicles with automatic climate control systems have a solar sensor mounted on top of the fascia on the driver's side, as shown opposite (A). Ensure that this sensor is not covered.
- Air ducts under the front seats supply the rear passenger footwells (see illustration opposite). Objects or material placed under the seats may block or obstruct the open ducts.
- The external air intake to the air conditioner/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.

Panel illumination

With the exterior lighting switched on, the graphics on the panel controls are illuminated by low level backlighting.

The illumination level is adjusted by the common instrument panel dimmer control.

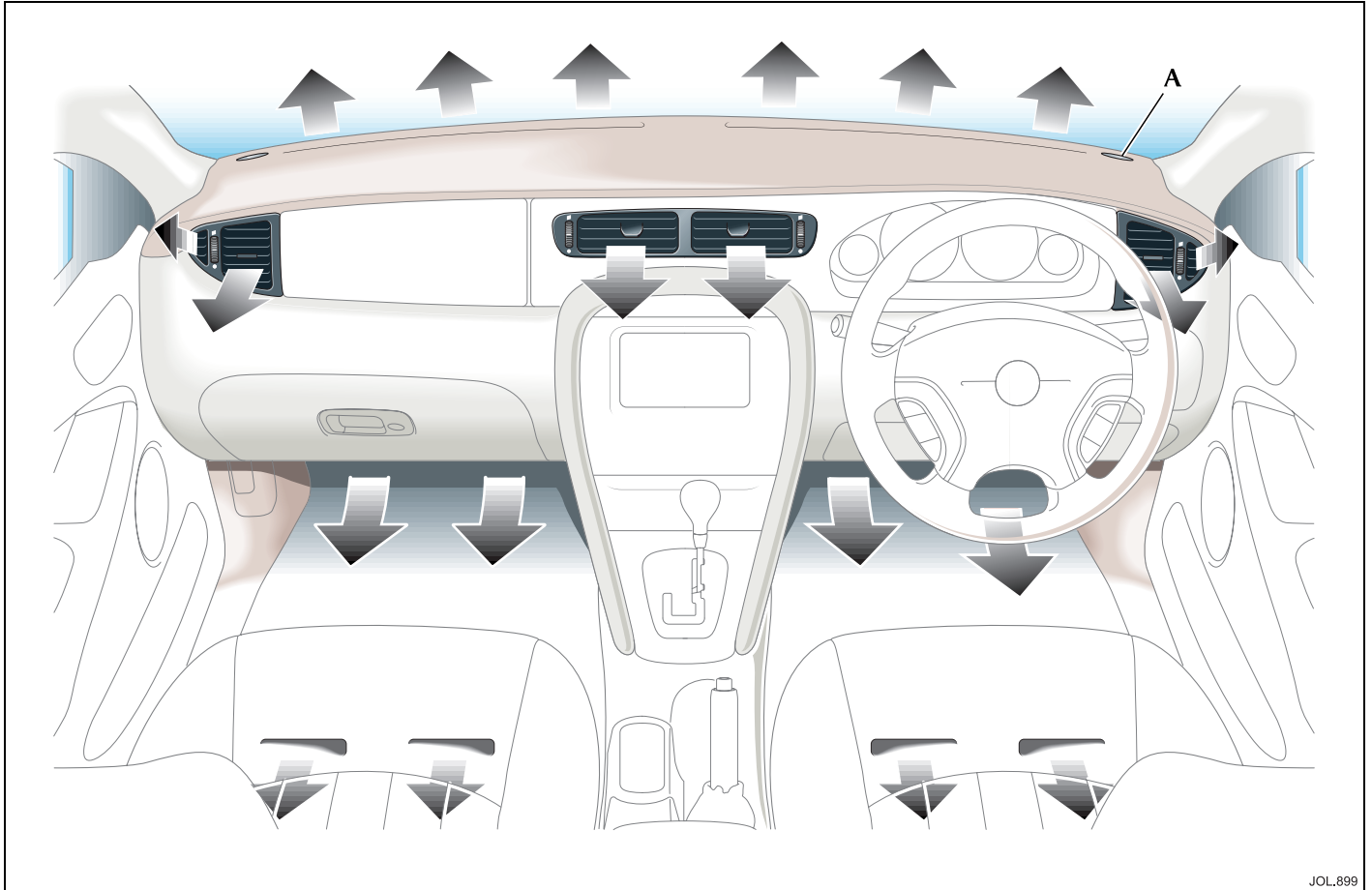
Air distribution

The illustration opposite shows the location of the air vents within the vehicle.

On all climate control systems, the distribution of air between the screen, fascia and floor level can be manually selected using the panel controls.

On vehicles fitted with automatic climate control, the appropriate air distribution is selected automatically when operating in AUTO mode.

The airflow from the fascia face level vents is regulated using thumbwheel controls and adjustable direction vanes.

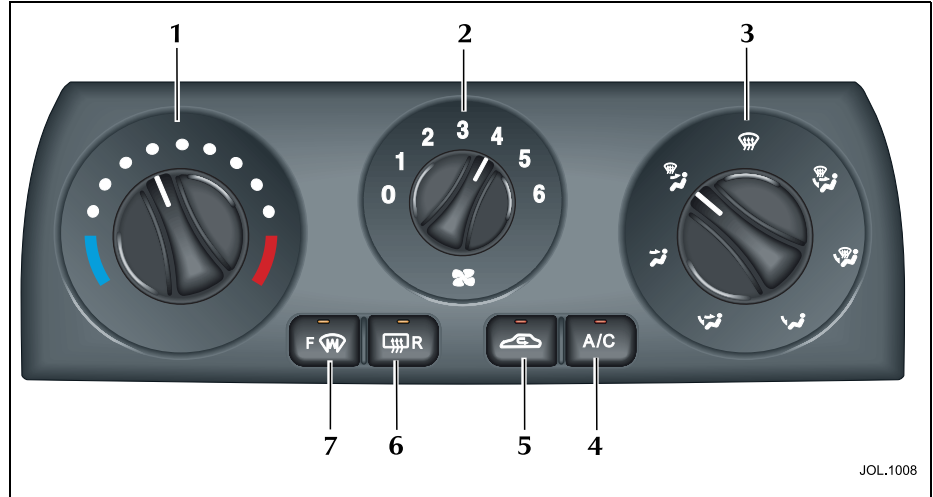


5-4 Climate control

Manual climate control

The manual climate control panel is shown here. The temperature, airflow distribution and volume of air from the interior vents are set using the rotary controls.

Push on/push off buttons control the air conditioning, screen heating and fresh or recirculated air. An amber or red LED on each button is illuminated when the selected function is operating.



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Manual control panel

1. Temperature control.
2. Fan speed.
3. Air distribution.
4. Air conditioning.
5. Recirculated/fresh air.
6. Heated rear screen.
7. Heated front screen (where fitted).

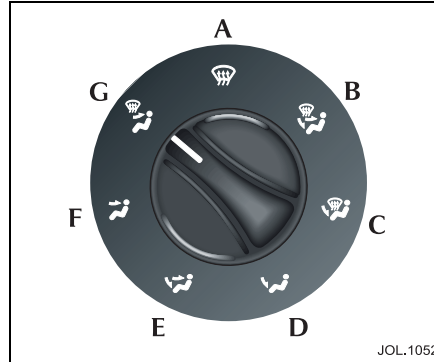
Temperature

Rotating the control knob (1) clockwise from the blue region to the red region increases the temperature of the airflow. The knob may be set to any position for optimum comfort.

Fan speed

The fan is off in position '0' of the rotary control (2) and switching through positions 1 – 6 provides stepped increases in fan speed.

With the fan switched off in position '0', the airflow results from the forward motion of the vehicle (ram air effect).



Air distribution

The rotary control has seven main air distribution positions but the air distribution changes continuously between positions as the knob is rotated. The control knob may therefore be set at any point for optimum comfort.



WARNING:

Directing cold air onto the screen in warm humid conditions can produce external condensation.

The air distribution settings are, from the top clockwise:



Air flow directed to windscreen only (A); select to remove frost or heavy misting.



Air flow distributed to the windscreen, face and foot levels (B).



Air flow distributed to the windscreen and feet (C); select to prevent or remove light misting and when heating the interior.



Air flow directed to foot level (D); select to heat interior.



Air flow distributed to the face and feet (E).



Air flow directed at face level only (F); select to cool interior.



Air flow distributed to the windscreen and face (G).

5-6 Climate control

Air recirculation



Press the button briefly to select timed air recirculation.

To select latched air recirculation, press and hold the button until the LED flashes four times then remains illuminated.

To deselect air recirculation and open the fresh air intake, press the button again (LED off).

Note that air recirculation cannot be selected in position **A** (defrost) of the air distribution control.

Select air recirculation:

- To stop outside odours from entering the vehicle.
- To improve the performance of the air conditioning in regions of high ambient temperatures or when the interior is extremely hot. Note that air recirculation is cancelled when the ignition is switched off, and must therefore be re-selected after each engine start if required.



WARNING:

Prolonged operation with recirculation selected in cold, damp conditions could result in interior condensation.

Air conditioning



The air conditioning only operates with the fan switched on and will switch off if fan position '0' is selected.

If the air distribution control is set to any of the screen defrost/demist positions (**A**, **B**, **C**, **G**), the air conditioner switches on automatically.

Air conditioning cannot be deselected in defrost position **A**.

Heated front and rear screens



Pressing the push button selects the front screen heater (if fitted), provided the engine is running.

The front heater switches off automatically after 3 minutes or can be switched off by pressing the button again.




Pressing the button selects the rear screen heater and both door mirror heaters, provided the engine is running.

The rear screen and door mirror heaters switch off automatically after 6 minutes or can be switched off by pressing the button again.

Windscreen defrost/demist

Frost and heavy misting

To remove frost or heavy misting from the windscreen:

1. Start the engine.
2. Turn the air distribution mode control to the defrost/demist position (**A**).
3. Set the temperature control to maximum to remove frost.
4. Select a fan speed, preferably maximum (position 6). The air conditioning will switch on automatically.
5. If fitted, select the front windscreen heater.
6. If required, select the rear screen heater; this control also switches on both door mirror heaters.

Light misting



To prevent or remove light windscreen misting, select air distribution position **C**.

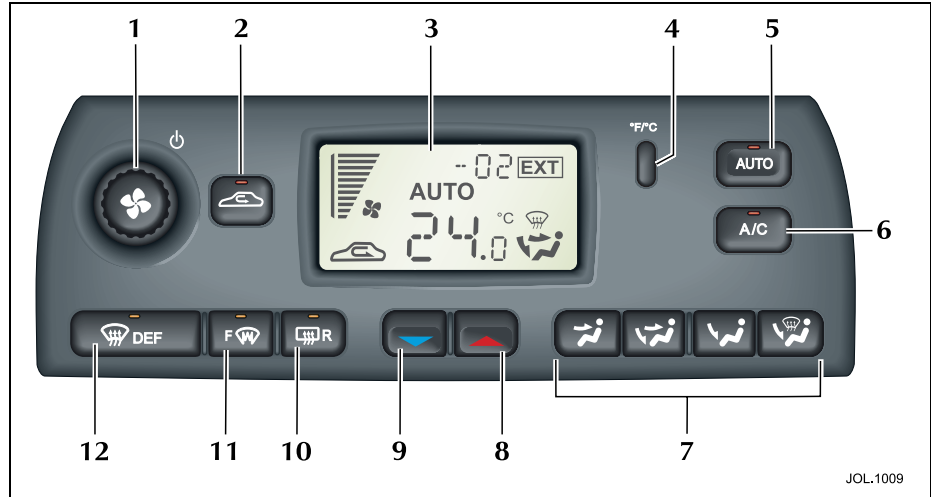
Automatic climate control with LCD screen

The automatic climate control system maintains the interior of the vehicle at the temperature selected by the occupant. The heat input, air conditioning, fan speed, air intake and distribution are adjusted automatically to maintain the desired temperature.

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

The climate control functions are selected by push buttons and a rotary control. When a button is pressed, selection is confirmed by a beep and illumination of the button LED.

Most functions also have associated graphic symbols displayed on the LCD (liquid crystal display) screen.



Control Panel

1. Fan speed and system on/off.
2. Recirculation/fresh air.
3. Display panel with typical symbols.
4. Celsius/Fahrenheit selector.
5. Automatic operation.
6. Air conditioner on/off.
7. Air distribution.
8. Increase temperature.
9. Decrease temperature.
10. Heated rear screen/door mirrors.
11. Heated front screen.
12. Defrost.

5-8 Climate control

To switch the system on

The climate control system operates in position 'II' (run) of the ignition switch.

With the ignition key turned to the run position, the system will switch on in the operating mode last set.

For normal usage select AUTO mode.

AUTO mode

Automatic operation provides a controlled environment over a temperature range of 61°F (17°C) to 89°F (31°C) and should be regarded as the normal operating mode.



To select automatic climate control press the AUTO button; the word AUTO appears on the LCD screen 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.

Automatic operation cannot be deselected using the AUTO button.

To exit AUTO mode, select another mode or press the fan control knob to switch the system off.

Temperature selection



Set the required interior temperature with the red and blue arrowed buttons. Press the red button to increase temperature and the blue button to decrease temperature.

The selected temperature will appear on the lower part of the LCD screen.

Pressing the 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 midrange temperature of 73°F (23°C), press and hold AUTO for a few seconds.

External temperature

The external (EXT) temperature is displayed at the top of the screen.

Celsius/Fahrenheit selection



Press the button to change the scale between degrees Celsius (°C) and degrees Fahrenheit (°F) for the displayed internal and external (EXT) temperatures.

Air recirculation

Timed air recirculation



Press the button briefly to select timed air recirculation.

The fresh air intake is opened and the button LED extinguished at the end of the time out period.

Latched air recirculation



Press and hold the button for a few seconds to select latched air recirculation. Selection is indicated by the screen symbol, two beeps and the button LED flashing four times then remaining illuminated.

Selecting latched air recirculation cancels AUTO operation.

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



WARNING:

Prolonged operation with recirculation selected in cold, damp conditions could result in interior condensation.

Windscreen defrost/demist

Frost and heavy misting



To remove frost or heavy misting from the windscreen, press the

DEF button.

- The fan switches on automatically at maximum speed but the speed can be reduced manually if required.
- Air conditioning switches on automatically and cannot be deselected.
- Recirculation is cancelled and cannot be selected.
- The front screen heater and the rear screen heater/door mirror heaters switch on automatically, provided the engine is running.

To deselect defrost mode, press AUTO (recommended operating mode).

Light misting



To prevent or remove light windscreen misting, select manual air distribution to windscreen and feet. See page 5-10.

Heated screens and door mirrors



The front (F) and rear (R) screen heaters may be switched on and off in any mode, including system off, but only operate when the engine is running. The door mirror heaters are also controlled by the rear screen heater button.

The front screen heater switches off automatically after 3 minutes. The rear screen and door mirror heaters switch off automatically after 6 minutes.

The windscreen heaters may be manually deselected during the time out 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 time out period.

Air conditioning



Press to switch the air conditioning on or off.

The air conditioning system is controlled automatically in AUTO mode. Deselecting A/C cancels AUTO mode.

The air conditioning system is also switched on automatically in defrost mode (DEF) but cannot be deselected.

Fan speed



Set the fan speed as required with the rotary control knob. Fan speed is shown as a series of bars on the LCD screen.

When operating in AUTO mode, fan speed is controlled automatically (but not displayed) and any adjustment of the knob will cancel AUTO mode.

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

5-10 Climate control

Manual air distribution

Air distribution is automatically controlled in AUTO and defrost modes.

Press one of the four air distribution buttons to cancel the current mode and select manual operation. The symbol for the selected air distribution will appear on the LCD screen.

The air distribution options are:



Air flow directed at face level only; select to cool the interior.



Air flow distributed to the face and feet.



Air flow directed to foot level; select to heat the interior.



Air flow distributed to the windscreen and feet; select to prevent or remove light misting and when heating the interior.

To switch the system off



Press in the fan rotary control knob to switch the climate control system off.

If the fan control knob is pressed again, the system will switch on in the previous mode set.

Ram air

With the climate control system switched off, air recirculation is automatically selected (intake flap closed). To select fresh air with the system off, press one of the air distribution buttons.

With the fan switched off, the fresh airflow results from the forward motion of the vehicle (ram air effect).

Automatic climate control with touch screen

Operating modes

The automatic climate control system maintains the interior of the vehicle at the temperature selected by the occupant. The heat input, air conditioning, fan speed, air intake and distribution flaps are adjusted automatically to maintain the desired temperature.

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

Controls and displays

Multi-function console

The system is controlled from the multi-function centre console which also provides user control of other facilities (such as audio, telephone, navigation system).

Climate controls

The climate control system has its own, manually selected, touch screen displays providing 'soft' control buttons. Touching the screen button with a finger has the same effect as pressing a push button. Refer to the general description and usage of the touch screen in Section 1 of this Handbook.

Note that using other systems and touch screens, such as audio or navigation, does not affect the climate control settings.

A number of push buttons are also used for climate control and are located around the touch screen. When a push button is pressed, selection is confirmed by a beep and illumination of an LED on the button (except temperature controls).

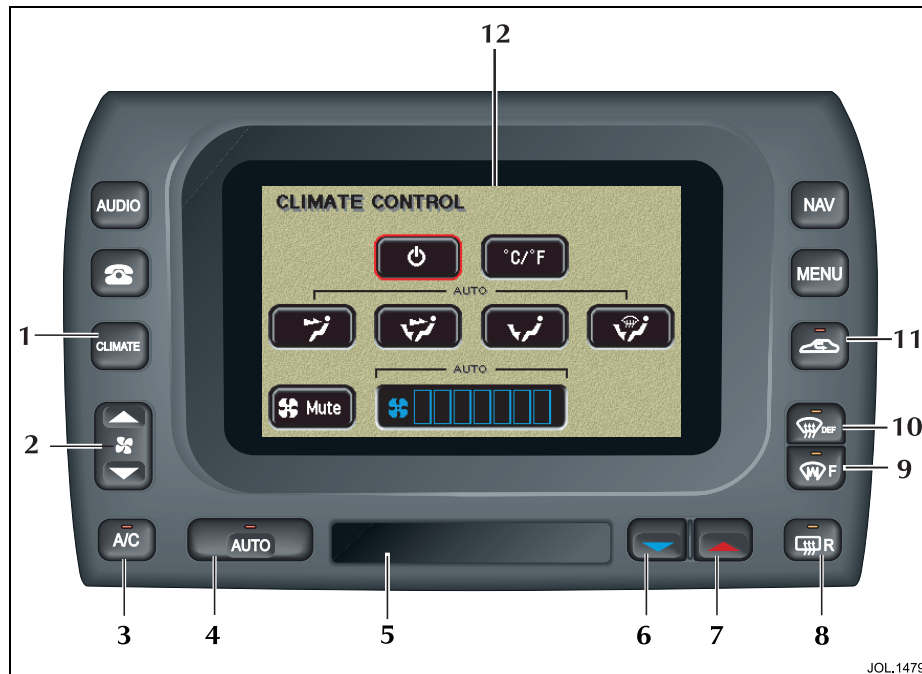
LCD screen

An LCD screen below the touch screen shows clock time, external (EXT) ambient temperature and the required interior temperature set by the occupant.

5-12 Climate control

Controls

1. Select climate control touch screen.
2. Fan speed.
3. Air conditioner on/off.
4. Automatic operation.
5. LCD screen: Interior/exterior temperatures and clock.
6. Decrease set temperature.
7. Increase set temperature.
8. Heated rear screen/door mirrors.
9. Heated front screen.
10. Defrost operation.
11. Select recirculated air.
12. Touch screen.



Ignition on

The climate control system operates in position 'II' (run) of the ignition switch.

When the ignition is switched to run or the engine is started, the Jaguar logo will be displayed briefly followed by the last touch screen selected (e.g. radio).

The climate control system will be set to the climate operating mode selected previously.

Climate control touch screen displays

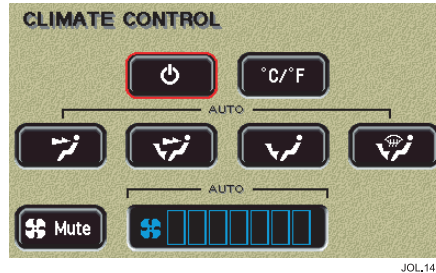
There are two climate control touch screens displays, one for the system on state and the other for system off/ram air mode. Smaller overlay displays appear briefly when selecting air recirculation or adjusting the fan speed.

Most climate functions can be selected using the peripheral push buttons without displaying the climate touch controls.



To select the touch screen display, press the CLIMATE button.

To exit the climate control screen, select another system function, e.g. AUDIO.



AUTO mode

Automatic operation provides a controlled environment over a temperature range of 61°F (17°C) to 89°F (31°C) and should be regarded as the normal operating mode.



To select automatic climate control press the AUTO button.

Select the required temperature.

The AUTO mode touch screen is shown above. If the touch screen is not displayed, press the CLIMATE button.

Front and rear screen heating and timed air recirculation may be selected while remaining in AUTO mode. Selecting any other climate control push button or touch screen button will cancel AUTO operation.

Automatic operation cannot be deselected using the AUTO button. To exit AUTO mode, select another climate mode or touch the SYSTEM ON/OFF screen button to switch the system off.

Temperature selection



Set the required interior temperature with the red and blue arrowed

buttons. Press the red button to increase temperature and the blue button to decrease temperature.



The selected temperature will appear on the LCD screen.

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

To quickly jump from HI or LO to a convenient midrange temperature of 73°F (23°C), press and hold AUTO for a few seconds.

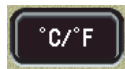
5-14 Climate control

External temperature



The external (EXT) temperature is displayed on the LCD screen.

Celsius/Fahrenheit selection



Touch the screen button to change the scale between degrees Celsius (°C) and degrees Fahrenheit (°F) for the displayed internal and external (EXT) temperatures.



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Timed air recirculation



Press the button briefly to select air recirculation for a timed period only; the overlay screen shown above will appear for a few seconds on top of the currently selected touch screen.

The fresh air intake is opened and the button LED extinguished at the end of the time out period.



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Latched air recirculation

To latch air recirculation (so that it remains selected), press and hold the air recirculation button until the overlay screen changes from the timed to the latched recirculation symbol.

Selection is also indicated by two beeps and the button LED flashing four times then remaining illuminated.

Selecting latched recirculation cancels AUTO mode.



WARNING:
Prolonged operation with recirculation selected in cold, damp conditions could result in interior condensation.

Latched fresh air

Pressing the air recirculation button when the button LED is illuminated will cancel recirculation and allow fresh air into the vehicle.

Deselecting air recirculation cancels AUTO mode.

Windscreen defrost/demist

Frost and heavy misting



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

- The fan switches on automatically at maximum speed but the speed can be reduced manually if required.
- Air conditioning switches on automatically and cannot be deselected.
- Recirculation is cancelled and cannot be selected.
- The front screen heater and the rear screen heater/door mirror heaters switch on automatically, provided the engine is running.

To deselect defrost mode, press AUTO (recommended operating mode).

Light misting



To prevent or remove light windscreen misting, select manual air distribution to windscreen and feet. See page 5-16.

Heated screens and door mirrors



The front screen heater (F) and the rear screen heater (R) may be switched on and off in any mode, including system off, but only operate when the engine is running. The door mirror heaters are also controlled by the rear screen heater switch.



The front screen heater switches off automatically after 3 minutes. The rear screen and door mirror heaters switch off automatically after 6 minutes.

The windscreen heaters may be manually deselected during the time out 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.

5-16 Climate control

Air conditioning



Press the A/C button to switch the air conditioning on or off.

The air conditioning system is controlled automatically in AUTO mode. Deselecting A/C cancels AUTO mode.

The air conditioning system is also switched on automatically in defrost mode (DEF) but cannot be deselected.

Fan speed



Set the fan speed as required using the rocker button. Fan speed is shown as a series of bars on the touch screen.

If the fan speed is changed while a non climate control touch screen is displayed, an overlay display showing the fan speed bars will appear for a short period.

When operating in AUTO mode, fan speed is controlled automatically (but not displayed) and any adjustment of the control button will cancel AUTO mode.

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

Fan MUTE



To reduce the interior noise level, the fan speed may be quickly reduced to a preset level by touching the MUTE screen button.

Selecting MUTE will cancel AUTO mode but touching the MUTE button again will return operation to the previous state.

If voice activation is fitted, the climate control system will automatically prevent any increase in fan speed while speech commands are given.

Manual air distribution

Air distribution is automatically controlled in AUTO and defrost modes.

Touch one of the four air distribution buttons on the screen to cancel the current mode and select manual operation.

The air distribution options are:



Air flow directed at face level only; select to cool the interior.



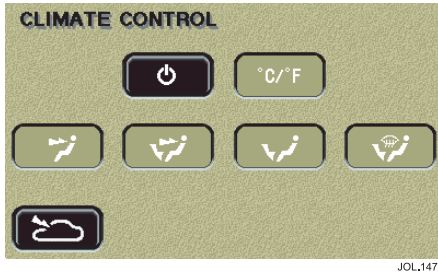
Air flow distributed to the face and feet.



Air flow directed to foot level; select to heat the interior.



Air flow distributed to the windscreen and feet; select to prevent or remove light misting and when heating the interior.



Switching climate control off

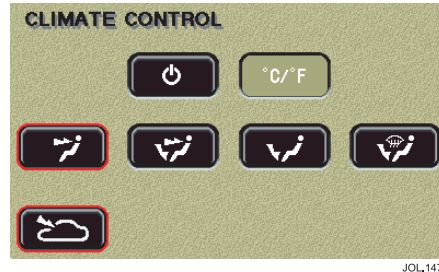


To switch the system off, touch the System On/Off button on the CLIMATE

CONTROL screen. The touch screen will change to the system off/ram climate control screen above.

Pressing the System On/Off button will return the system to the previous state.

It is recommended to select AUTO to switch the system on again.



Ram air

With the climate control system switched off, air recirculation is automatically selected (intake flap closed).

To select fresh air with the system off, touch the ram air screen button (bottom left on illustration). The intake flap will open with air distribution to face level automatically selected.

Any of the other air distribution modes may be selected manually using the touch screen.

With the fan switched off, the fresh airflow results from the forward motion of the vehicle (ram air effect).

