

Introduction

The cabin is supplied with filtered air from a fully automatic electronic climate control system which also provides individual selection of temperature (dual zone) by the front occupants. The system can be overridden by manual controls.

The climate control panel is located in the centre console above the radio and audio controls.

Recommended operation

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 and direct sunlight. In response, the electronic control system automatically adjusts the heat input, blower speed, air intake and air flow 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.

Use of air conditioning

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 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.

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.

However, the use of recirculated air will cause screen misting after a short period and should only be used as necessary.

In AUTO mode, the air intake flap is controlled automatically. If required, air recirculation may be manually selected for either a short or indefinite period.



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.
- A solar sensor is mounted on the centre top of the fascia, as shown opposite (A). Ensure that this sensor is not covered.
- Temperature and humidity sensors are located behind the small grille (B). Do not cover or obstruct the opening.
- 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.

Air distribution

The illustration opposite shows the location of the air vents within the vehicle. The airflow from the fascia face level vents 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.

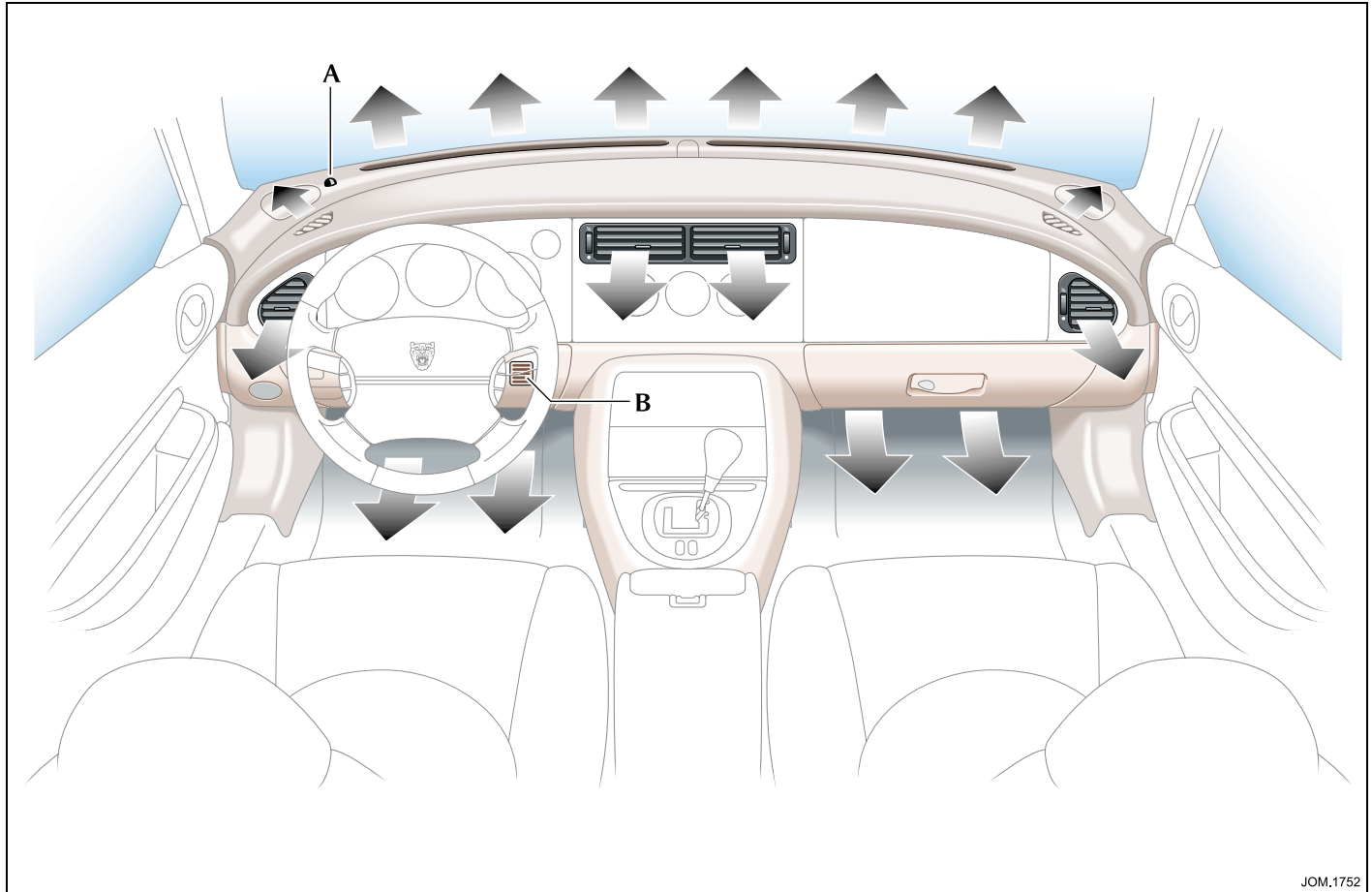
Item (A) shows the solar sensor.

System fault display

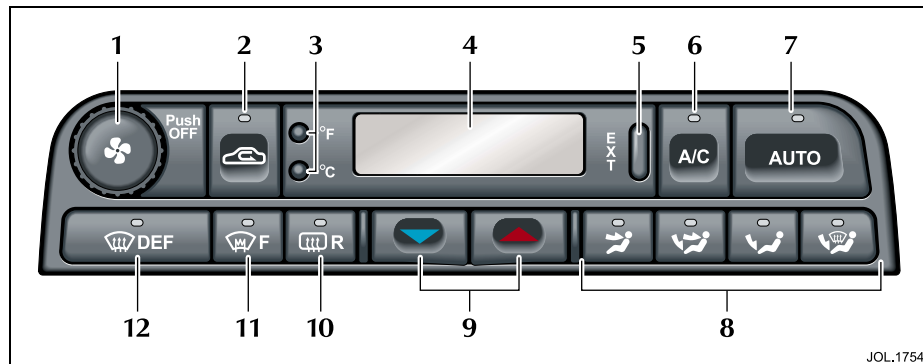
The climate control system is equipped with self diagnostics.

If a fault is detected, the symbol 'Er' will appear in the display accompanied by a series of beeps for 5 seconds. In this unlikely event the vehicle should be returned to the Jaguar Dealer at the earliest convenience.

'Er' will be displayed on each subsequent vehicle start until the fault is rectified.



5-4 Climate control



Climate control system

The climate control system fitted to this vehicle offers automatic control of temperature, blower speed and air distribution to maintain optimum comfort under most driving conditions.

Manual controls are provided to allow the driver to override the automatic operation.

Control panel

1. a) Push to switch ON or OFF.
b) Rotate for manual blower speed selection.

2. Manual recirculation/outside air.
3. Fahrenheit/Celsius selection buttons.
4. Display panel.
5. External temperature.
6. Air conditioning.
7. Automatic operation.
8. Manual distribution (from left to right):
 - Face only.
 - Bi-level (Face and feet).
 - Feet only.
 - Demist (Screen and feet).

9. Temperature selection:
Blue – Decrease.
Red – Increase.
10. Heated rear screen.
11. Heated front screen (Canada only).
12. Defrost.

System operation and button functions

Switching the system on

The system can be switched on by pressing one of the following:

1. 'AUTO' button – Switches the system on in automatic mode.
2. 'DEF' button – Switches the system on in defrost mode.
3. 'A/C' button – Switches the system on in the last setting and with the refrigeration system working.
4. 'Push Off' knob – Switches the system on in the last setting.

Automatic operation



Note: The blowers will not operate until the engine is warm (except in defrost).



Press 'AUTO' for optimum automatic control under most

operating conditions. The word 'AUTO' will appear in the display panel and the temperature, blower speed and distribution will be controlled automatically.

Air conditioning



Press to switch off the refrigeration system. Press again to switch on. The refrigeration system is automatically engaged when 'AUTO' is selected.

All the year use of air conditioning is recommended for optimum comfort and to reduce interior misting.

Temperature selection



The selected interior temperature is shown in the display panel. Press the 'red' button to increase the temperature. Press the 'blue' button to decrease the temperature.

Automatic temperature control operates between 61°F and 89°F (17°C to 31°C). In addition, 'HI' and 'LO' settings provide maximum heating or cooling at maximum blower speed. Blower speed can be manually reduced as required.

Defrost



Press 'DEF' to direct air to the front and side screens at maximum blower speed. This also switches on the heated front screen (if fitted). Blower speed can be manually reduced as required. Press 'DEF' again to return to the last setting or 'AUTO' for automatic control.



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

Manual air recirculation



Closes the outside air intakes and re circulates air within the vehicle. Prevents unpleasant odours being drawn into the vehicle.

Two options of control are available:

1. Press the button to provide recirculation of interior air for approximately 5 minutes.
2. Press and hold the button until two 'beeps' are heard for continuous recirculation of interior air. Press the button again to switch off.



WARNING:
Avoid using Manual Air Recirculation for prolonged periods in cold weather as this may result in interior misting of screens.

5-6 Climate control

Heated front screen (Canada only)



With the engine running, press to switch on the heated front screen for rapid defrost/demist.

It is automatically engaged when 'DEF' is selected but can be independently switched on or off at any time. Automatically switches off after approximately 6 minutes.

Heated rear screen



With the engine running, press to switch on the heated rear screen and heated door mirrors for rapid defrost/demist. It can

be independently switched on or off at any time. Automatically switches off after approximately 20 minutes.

Fahrenheit/Celsius selection



Press "F" to display temperature in Fahrenheit.

Press "C" to display in Celsius.

Manual blower speed



Note: In 'AUTO' the blowers will not operate until the engine is warm.

Turn the rotary knob clockwise to increase or anti-clockwise to decrease air flow.

Blower speed is

displayed as a series of bars, and the word 'AUTO' will disappear.

Press 'AUTO' to resume automatic control.

External temperature

Two options are available for displaying the external temperature:

1. Press the button to provide a display for approximately 4 seconds.
2. Press and hold the button until two 'beeps' are heard to provide a continuous display of external temperature. Press the button again to switch off.



Switching off/ventilation airflow



Press the 'Off' knob to switch off the climate control system and prevent outside air from entering the vehicle.

If ventilation is required with the system off, press the desired manual air distribution button. This will provide unconditioned air only when the vehicle is moving.

Heated screen and external temperature display functions can be selected when the system is off.

Manual air distribution

The following options are available:



Face only.



Bi-level (Face and feet).



Feet only.



Demist (Screen and feet).



WARNING:

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

Press the required button (the word 'AUTO' will disappear from the display panel).

Press the button again or press 'AUTO' to resume automatic control.

Operating tips

If the vehicle has been parked in the sun the interior will cool faster if you follow these guidelines:

- Before sitting in the vehicle, leave door(s) open for a short time to allow the hot air to escape.
- Drive for a short time with the windows open to force the hot air out of the vehicle.

All the year use of air conditioning is recommended for optimum comfort and to reduce interior misting.



WARNING:

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

Convertible vehicles

When driving with the convertible top down it is recommended that manual overrides are selected.

