

SECTION 2 - 1

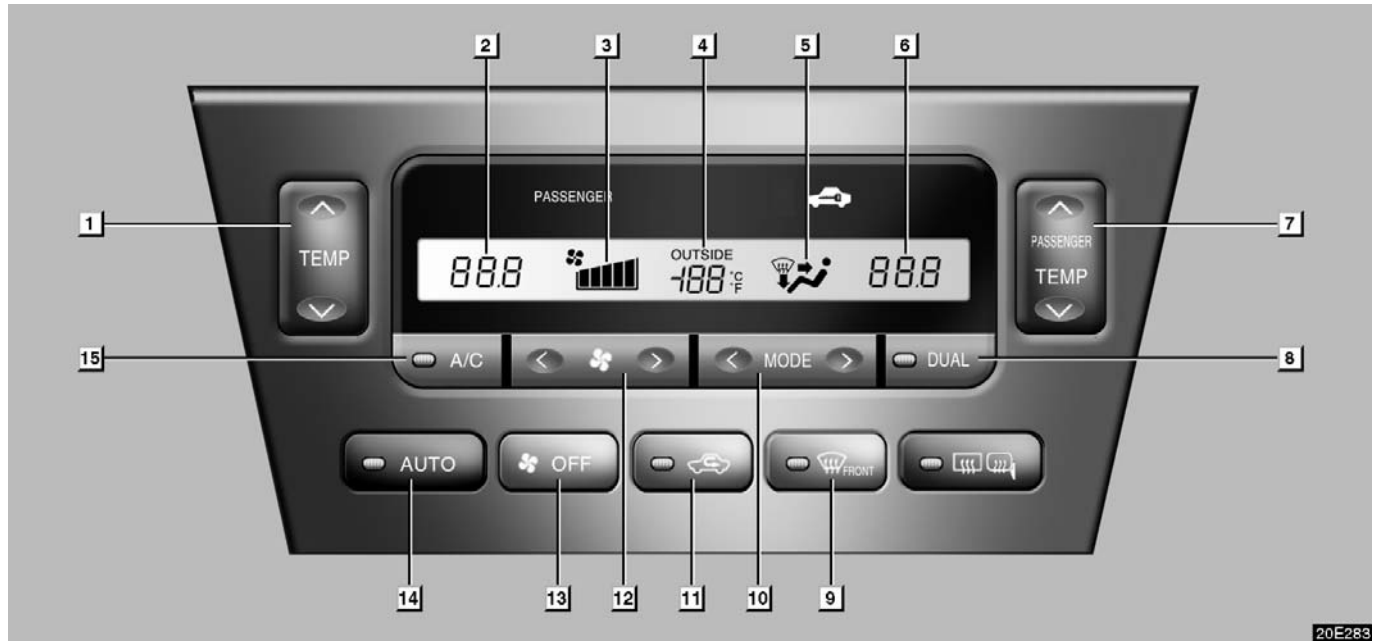
AIR CONDITIONING AND AUDIO

Air conditioning

Automatic air conditioning controls 160

AIR CONDITIONING

AUTOMATIC AIR CONDITIONING CONTROLS



The automatic air conditioning automatically maintains the set temperature.

In the automatic operation mode, the air conditioning selects the most suitable fan speed, air flow, air intake and on-off the air conditioning according to the temperature.

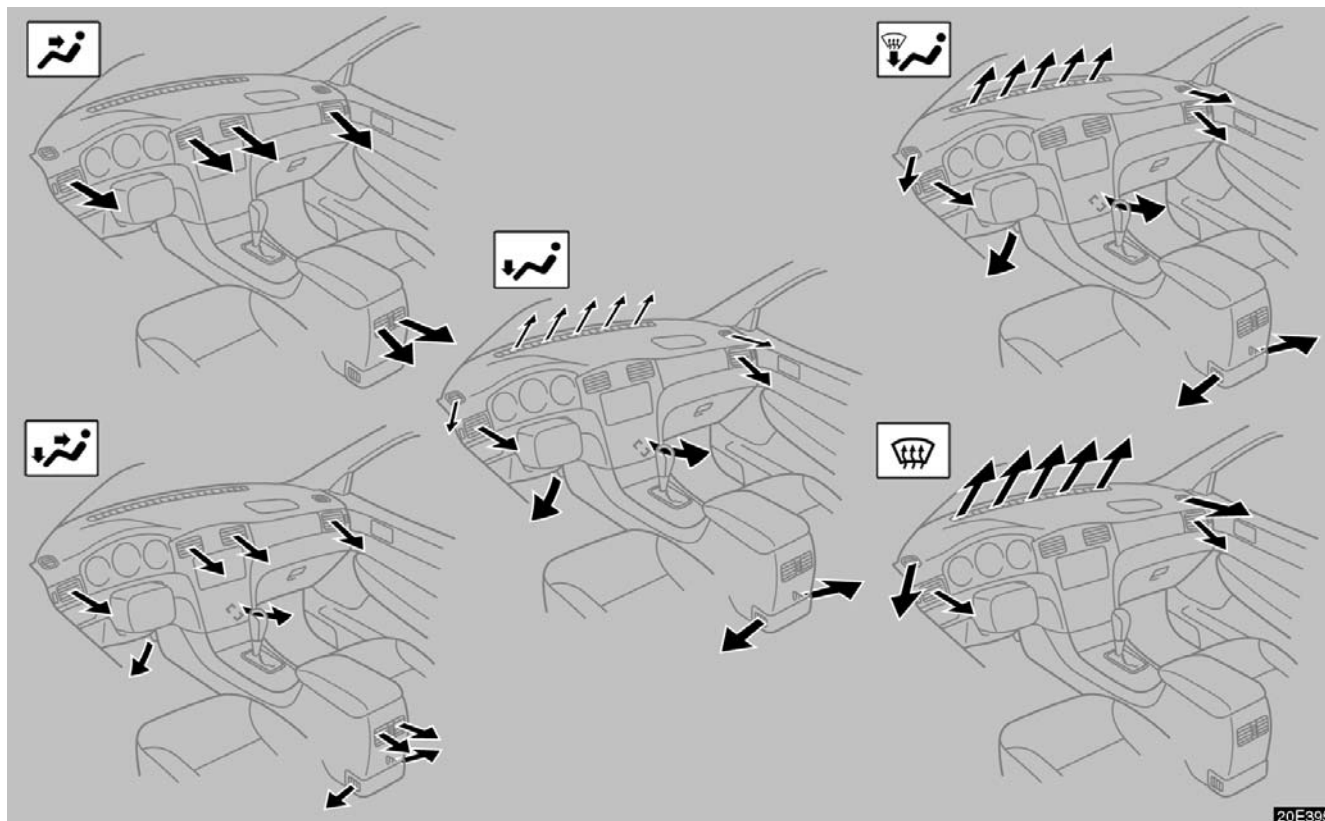
The ignition key must be in the "ON" position.

NOTICE

To prevent the battery from being discharged, do not leave the air conditioning on longer than necessary when the engine is not running.

- 1 ***"TEMP" (driver side temperature control) button***
- 2 ***Driver side temperature display (in degrees Fahrenheit or Centigrade)***
- 3 ***Fan speed display***
- 4 ***Outside temperature display***
- 5 ***Air flow display***
- 6 ***Passenger side temperature display (in degrees Fahrenheit or Centigrade)***
- 7 ***"PASSENGER TEMP" (passenger side temperature control) button***
- 8 ***"DUAL" (temperature setting mode change) button***
- 9 ***Windshield air flow button***
- 10 ***"MODE"(air flow control) button***
- 11 ***Air intake control button***
- 12 ***Fan speed control button***
- 13 ***"OFF" button***
- 14 ***"AUTO" button***
- 15 ***"A/C" button***

AIR CONDITIONING



► Air flow selection

(a) Climate control

SETTING OPERATION – automatic control



1. Push the “AUTO” button.

An indicator light will illuminate to show that the automatic operation mode has been selected.

Air flow quantity, switching of the diffusers, on–off of the air conditioning and switching of the air intake between RECIRCULATED AIR and OUTSIDE AIR are automatically adjusted. The operation status is shown by each indicator.

When one of the manual control buttons is depressed while operating in automatic mode, the operation corresponding to the button depressed is set. Other conditions continue to be adjusted automatically.

Push the “OFF” button to turn the air conditioning system off.



2. Use the “TEMP” or “PASSENGER TEMP” button to set the desired temperature.

The “TEMP” or “PASSENGER TEMP” button is used to set the desired temperature. The temperature will be controlled on the driver and passenger sides simultaneously or individually.

“TEMP” button—Changes the temperature on the driver and passenger sides simultaneously or the driver side only.

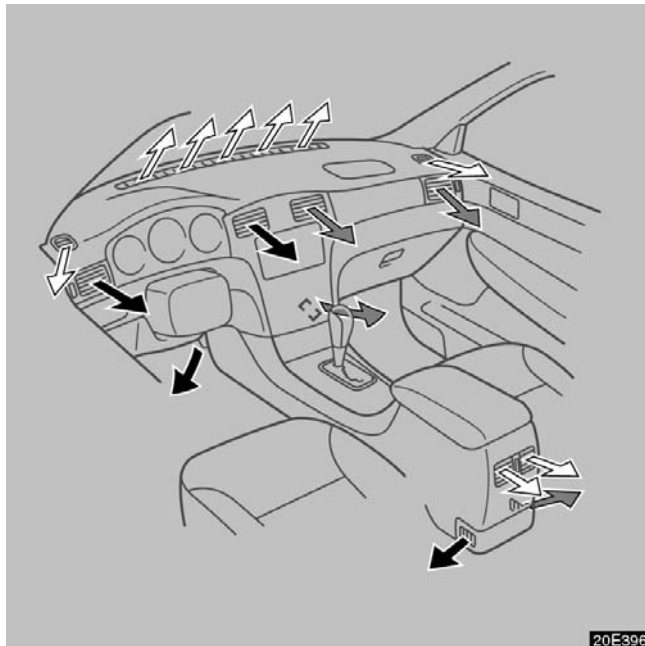
“PASSENGER TEMP” button—Changes the temperature on the passenger side only.

“DUAL” button—Changes the mode of the temperature setting.

The indicator on the “DUAL” button has two modes:

- **With the indicator on**—For individual temperature setting
- **With the indicator off**—For simultaneous temperature setting

AIR CONDITIONING

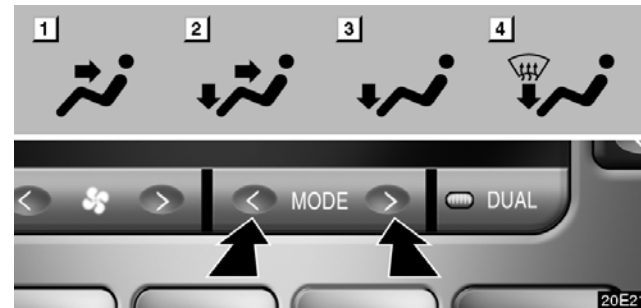


- ➡ Driver side setting
- ➡ Passenger side setting
- ↔ Mixed setting

SETTING OPERATION – manual control

When one of the manual control buttons is depressed while operating in automatic mode, the mode relevant to the depressed button is set. Other conditions continue to be adjusted automatically.

If manual air flow selection is desired –



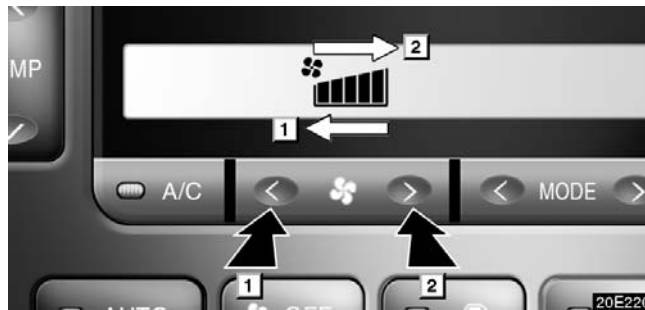
The outlets from which air is delivered can be selected manually by pushing the button. The function of each mode is as follows:

- 1 **Panel** – Air flows mainly from the instrument panel vents.
- 2 **Bi-level** – Air flows from both the floor vents and the instrument panel vents.
- 3 **Floor** – Air flows mainly from the floor vents.
- 4 **Floor/Windshield** – Air flows mainly from the floor vents and windshield vents.

If quick heating or cooling is desired –

Push the “TEMP” or “PASSENGER TEMP” button on either side and hold it until “MAX. HOT” or “MAX. COLD” appears on the display.

If manual fan speed control is desired –

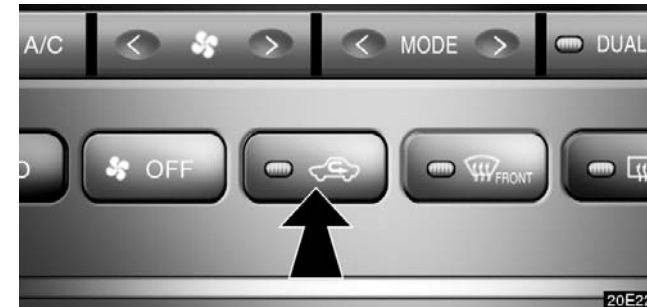


▶ **1 Fan speed at low 2 Fan speed at high**

The fan speed can be set to your desired speed by pushing the appropriate side of fan speed control button. The higher the fan speed is, the more air is delivered. Pushing the “OFF” button turns off the fan.

To remove exterior windshield frost, use the high speed setting.

If manual switching of air intake is desired –



The air intake control button is used to switch the air intake between the OUTSIDE AIR mode and RECIRCULATED AIR mode.

To turn the air source to the RECIRCULATED AIR mode, press the button. The indicator will come on. To turn the air source to OUTSIDE AIR mode, press the button again. The indicator will go off.

To prevent fogging up of the windshield, the air intake mode may change automatically to the OUTSIDE AIR mode depending on the condition of the air conditioning system.

For example, when the ambient temperature is low, the air intake mode may change automatically to the OUTSIDE AIR mode. This is not a malfunction.

If quick circulation of cooled air is desired, push the air intake control button for RECIRCULATED AIR. The indicator light will come on.

AIR CONDITIONING

For normal use, it is best to keep the air intake control button set to OUTSIDE AIR mode. If recirculated air is used during heating, the windows will fog up more easily.

If manual on-off of the air conditioning is desired –

Push the “A/C” button to turn the air conditioning on and push it again to turn the air conditioning off.

The air conditioning does not work if the outside temperature is lowered down to around 0°C (32°F).

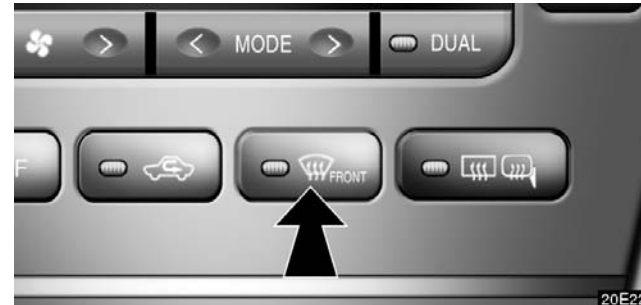
If the system is used for ventilation, heating in dry weather or removing frost or exterior fog on the windshield, turn the air conditioning off once it is no longer required. This will improve fuel economy. The air conditioning can be used for year-round automatic temperature control including cooling and dehumidifying operation.

If the air conditioning compressor does not operate, the indicator of the “A/C” button will blink. If the indicator of the “A/C” button blinks even when the “A/C” button is pushed again, have the compressor checked by your nearest Lexus dealer.

Displaying the outside temperature –

The temperature display ranges from –30°C (–22°F) up to 50°C (122°F).

(b) Windshield defogging and defrosting



To remove interior fog on the windshield –

Push the windshield air flow button.

To remove frost or exterior fog on the windshield –

1. Push the “TEMP” button to set the maximum temperature.
2. Push the windshield air flow button.
3. Push the fan speed control button on the right side to obtain a maximum air flow.
4. Leave the “A/C” button off.

When the windshield air flow button is pushed, air flows mainly from the windshield vents and turns on the defogging function with the purpose of clearing the front view.

Pushing this button once again returns the air flow mode to the last one used.

This button allows the air intake to select OUTSIDE AIR mode automatically. This is to clean up the front view more quickly. If you want to return the setting to RECIRCULATED AIR mode, push the air intake control button once again.

Push the "A/C" button for dehumidified heating or cooling. This setting clears the front view more quickly.

 **CAUTION**

Do not use the windshield air flow button during cooled air operation in extremely humid weather. The difference between the temperature of the outside air and that of the windshield could cause the outer surface of the windshield to fog up blocking your vision.

(c) Operating tips

- To help cool down the interior after parking in the hot sun, drive for the first few minutes with the windows open. After the excess heat has blown away, close the windows.
- Make sure the air inlet grilles in front of the windshield are not blocked by leaves or other obstructions.
- If air flow control is not satisfactory, check the side vents and rear vents. (See "(d) Side vents and rear vents".)
- On humid days, do not blow cold air on the windshield. The windshield could fog up because of the difference in air temperature on the inside and outside of the windshield.
- Keep the area under the front seats clear to allow air to circulate throughout the vehicle.
- On cold days, set the fan speed to high for a minute to help clear the intake ducts of snow or moisture. This can reduce the amount of fogging on the windows.
- When driving on dusty roads, close all windows. If dust thrown up by the vehicle is still drawn into the vehicle after closing the windows, it is recommended that the air intake be set to the OUTSIDE AIR mode and the fan speed to any setting except "OFF".

AIR CONDITIONING

- If following another vehicle on a dusty road, or driving in windy and dusty conditions, it is recommended that the air intake be temporarily set to the RECIRCULATED AIR mode, which will close off the outside passage and prevent outside air and dust from entering the vehicle interior.

Heating

For best results, set controls to:

For automatic operation –

Push in the “AUTO” button.
Temperature – To the desired temperature
Air intake – OUTSIDE AIR
Air conditioning – OFF

For manual operation –

Fan speed – To the desired fan speed
Temperature – Towards high temperature
Air intake – OUTSIDE AIR
Air flow – FLOOR
Air conditioning – OFF

- For quick heating, select RECIRCULATED AIR for a few minutes. To keep the windows from fogging, select OUTSIDE AIR after the vehicle interior has been warmed.
- Push the “A/C” button on for dehumidified heating.
- Choose floor/windshield air flow to heat the vehicle interior while defrosting or defogging the windshield.

Air conditioning

For best results, set controls to:

For automatic operation –

Push in the “AUTO” button.
Temperature – To the desired temperature
Air intake – OUTSIDE AIR
Air conditioning – ON

For manual operation –

Fan speed – To the desired fan speed
Temperature – Towards low temperature
Air intake – OUTSIDE AIR
Air flow – PANEL
Air conditioning – ON

- For quick cooling, select RECIRCULATED AIR for a few minutes.

Ventilation

For best results, set controls to:

For automatic operation –

Push in the “AUTO” button.
Temperature – Towards low temperature
Air intake – OUTSIDE AIR
Air conditioning – OFF

AIR CONDITIONING

For manual operation –

Fan speed – To the desired fan speed
Temperature – Towards low temperature
Air intake – **OUTSIDE AIR**
Air flow – **PANEL**
Air conditioning – **OFF**

Defogging and defrosting

– The inside of the windshield

For best results, set controls to:

For automatic operation –

Temperature – Towards high temperature to heat;
low temperature to cool
Air intake – **OUTSIDE AIR**
Air flow – **WINDSHIELD**

For manual operation –

Fan speed – To the desired fan speed
Temperature – Towards high temperature to heat;
low temperature to cool
Air intake – **OUTSIDE AIR**
Air flow – **WINDSHIELD**

When the windshield air flow button is pushed, air flows mainly from the windshield vents and turns on the defogging function with the purpose of clearing the front view.

Pushing this button once again returns the air flow mode to the last one used.

This button allows the air intake to select **OUTSIDE AIR** mode automatically. This is to clean up the front view more quickly. If you want to return the setting to **RECIRCULATED AIR** mode, push the air intake control button once again.

Push the “A/C” button for dehumidified heating or cooling. This setting clears the front view more quickly.

- On humid days, do not blow cold air on the windshield – the difference between the outside and inside temperatures could make the fogging worse.

– The outside of the windshield

For best results, set controls to:

For automatic operation –

Temperature – Towards high temperature
Air intake – **OUTSIDE AIR**
Air flow – **WINDSHIELD**

For manual operation –

Fan speed – To the desired fan speed
Temperature – Towards high temperature
Air intake – **OUTSIDE AIR**
Air flow – **WINDSHIELD**

AIR CONDITIONING

When the windshield air flow button is pushed, air flows mainly from the windshield vents and turns on the defogging function with the purpose of clearing the front view.

Pushing this button once again returns the air flow mode to the last one used.

This button allows the air intake to select OUTSIDE AIR mode automatically. This is to clean up the front view more quickly. If you want to return the setting to RECIRCULATED AIR mode, push the air intake control button once again.

Push the "A/C" button for dehumidified heating or cooling. This setting clears the front view more quickly.

- To heat the vehicle interior while defrosting the windshield, choose floor/windshield air flow.

(d) Side vents and rear vents



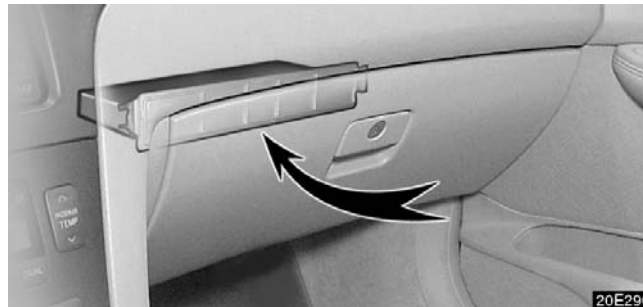
► *Side vents*



► *Rear vents*

If air flow control is not satisfactory, check the side vents and rear vents. The side vents and rear vents may be opened or closed as shown.

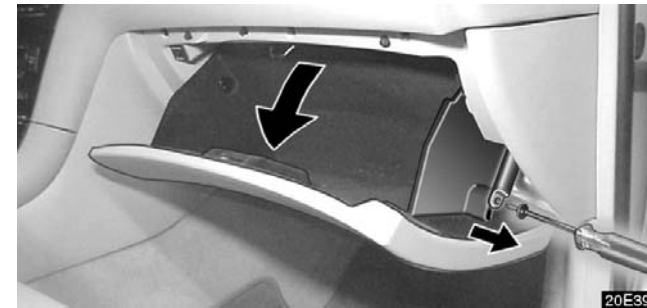
(e) Checking and replacing the air conditioning filter



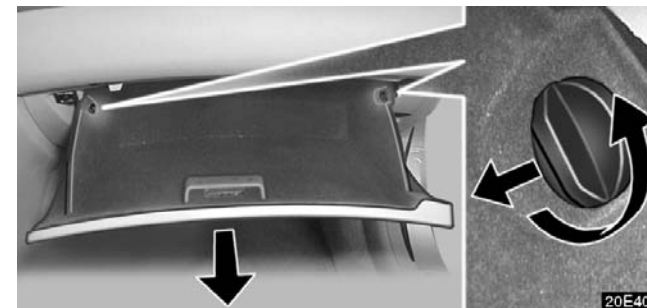
The air conditioning filter is behind the glove box.

The air conditioning filter may clog after long use. The filter may need to be replaced if the air flow of the air conditioner and heater experiences extreme reductions in operating efficiency, or if the windows become to fog up easily.

To maintain the air conditioning efficiency, inspect and replace the air conditioning filter according to the maintenance schedule. (For scheduled maintenance information, please refer to the “Owner’s Manual Supplement/Scheduled Maintenance”.)



1. Open the glove box. Remove the screw with a Phillips-head screwdriver.

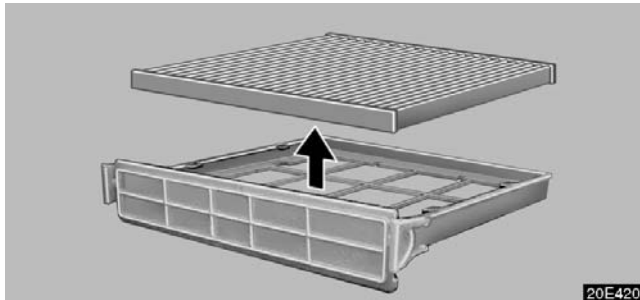


2. Remove the 2 pins installed on the upper part of the glove box and lower the glove box.

AIR CONDITIONING



3. Take out the filter case.



4. Remove the filter from the filter case.

5. Inspect the filter on the surface.

If it is dirty, it should be replaced.

INFORMATION

The air conditioning filter should be installed properly in position. The use of air conditioning with the filter removed may cause deteriorated dustproof performance and then affect air conditioning performance.