

## ***SECTION V***

### **AIR CONDITIONING**

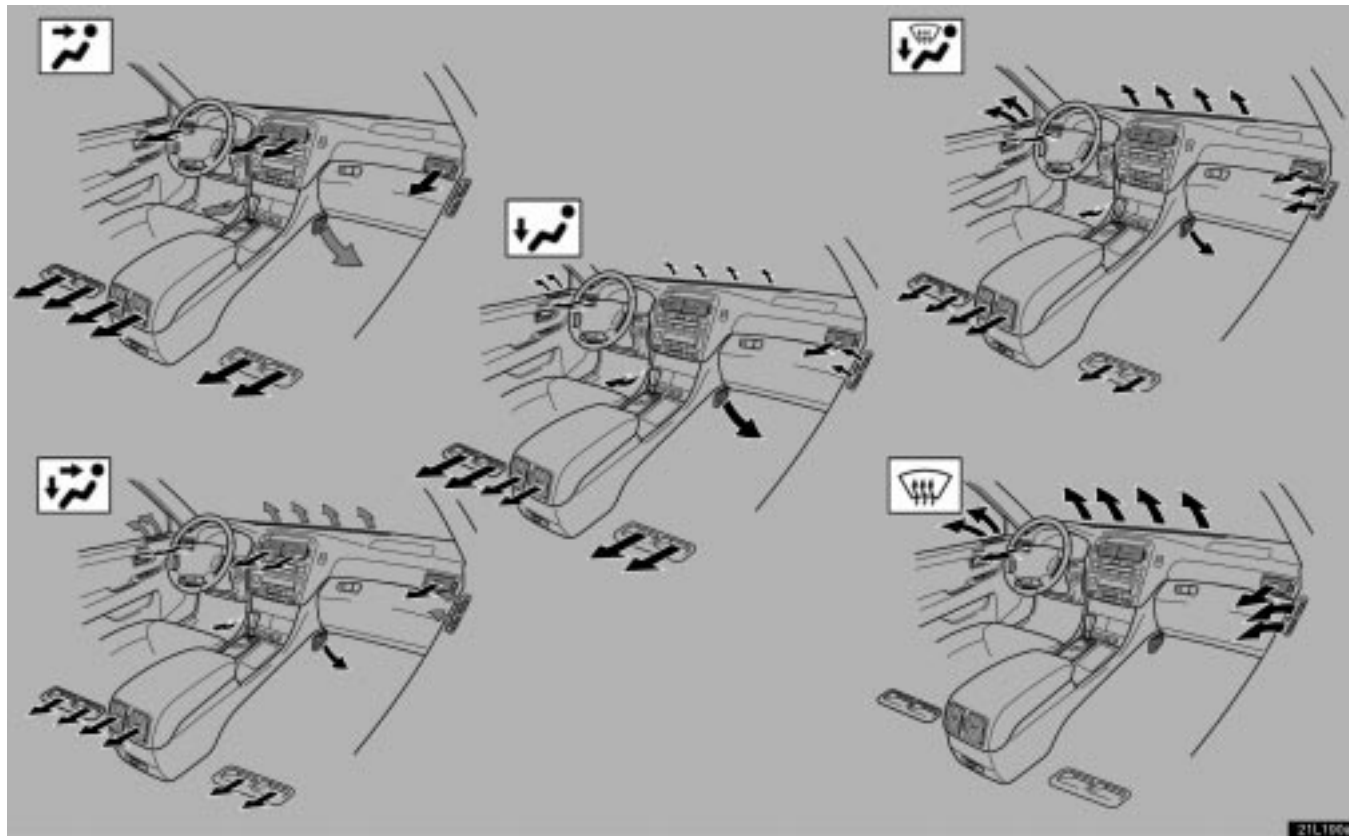
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Automatic air conditioning controls



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► Air flow selection



## AIR CONDITIONING

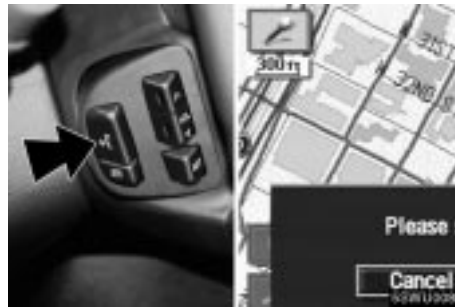
- **The automatic air conditioning automatically maintains the set temperature.**

This air conditioning features automatic fan speed and air flow control which automatically selects the most suitable fan speed and air flow to control the temperature. The ignition switch must be in the "ON" position.

**CLIMATE:** Push this button to display switches for automatic air conditioning controls.

### NOTICE

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



**By pushing the switch above, you can operate the speech command system.**

For the operation of the speech command system and the command, see page 131 and 132.

### (a) Climate control

#### SETTING OPERATION – automatic control



#### 1. Push the "AUTO" button.

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. If you use the air purifier automatic mode at the same time, air purifying effect will be enhanced (If equipped). The operation status is shown by each indicator.

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.

Push the **“OFF”** button briefly to turn the air conditioning off. If you keep the **“OFF”** button pushed, the data for the air filter is reset.



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

**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 front and rear passenger sides (if rear air conditioning is equipped) simultaneously or individually. The figures on the panel indicate degrees Fahrenheit or Centigrade.

**“TEMP” button** – Changes the temperature on the driver and front and rear passenger sides (if rear air conditioning is equipped) simultaneously or the driver side only.

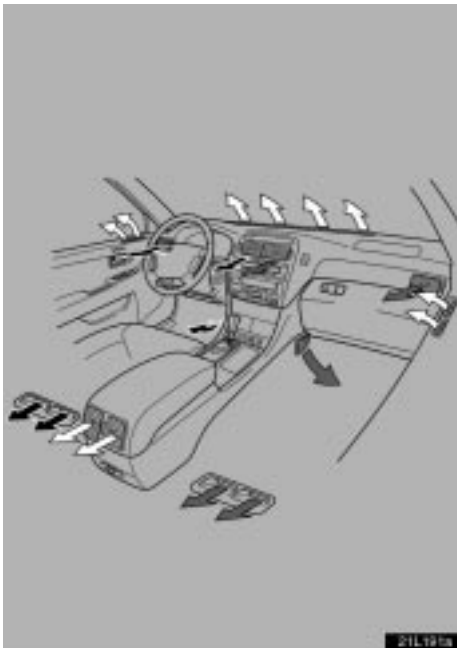
**“PASSENGER TEMP” button** – Changes the temperature on the passenger side only.

**“DUAL” button** – Changes the mode of the temperature setting.

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



## 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 touching the switch. 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.

The selected mode is highlighted in green.

If quick heating or cooling is desired –

Push the “TEMP” or “PASSENGER TEMP” button on either side and hold it until the maximum figure or minimum figure appears.

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 touching the appropriate air flow control switch. 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.

The selected mode is highlighted in green.

If manual switching of air intake is desired–



Each time you push the air intake control button, the mode changes in order from the RECIRCULATED AIR mode to AUTOMATIC mode to OUTSIDE AIR mode, then back to the RECIRCULATED AIR mode. Each indicator light shows which mode is now selected.

**1** RECIRCULATED AIR mode – If quick circulation of cooled air is desired, select this mode.

**2** EXHAUST GAS AUTOMATIC mode – If the outside air contains harmful substances like exhaust gas (i.e., when the vehicle running just in front of your vehicle accelerates rapidly), the system changes automatically from the OUTSIDE AIR mode (with indicators **2** and **3** on) to the RECIRCULATED AIR mode (with indicators **1** and **2** on). If you use the air purifier automatic mode at the same time, air purifying effect will be enhanced (If equipped).

**3** OUTSIDE AIR mode – The system will take fresh outside air into the vehicle.

Turning off the air conditioning manually will cancel the EXHAUST GAS AUTOMATIC mode. If you select the “AUTO” mode during fan operating, the air conditioning turns on and the EXHAUST GAS AUTOMATIC mode will operate.

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.



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To change the sensitivity of the sensor switching between the RECIRCULATED and OUTSIDE AIR in the AUTOMATIC mode, push the air intake control button for a few seconds. The display changes as illustrated below.

The sensitivity of the sensor can be adjusted only while the vehicle has been stopped.



### Touch the desired switch.

When you push any button except the air intake control button, the above screen disappears.

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

Push the “A/C” switch to turn the air conditioning on and push it again to turn the air conditioning off. If you turn off the air conditioning manually, the EXHAUST GAS AUTOMATIC mode will be cancelled.

If the outside temperature is lowered down to around 0°C (32°F), the air conditioning will turn off automatically. At this time, the indicator on the A/C switch is off and the EXHAUST GAS AUTOMATIC indicator light remains on. However, the EXHAUST GAS AUTOMATIC mode does not operate. When the air conditioning turns on as with the raised temperature, the EXHAUST GAS AUTOMATIC mode resumes.

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.

### (b) Windshield defogging and defrosting



### To remove interior fog on the windshield–

Push the “FRONT WINDSHIELD” button.



**To remove frost or exterior fog on the windshield –**

1. Push the upper side of the temperature control button until maximum figure appears on the temperature display.
2. Push the “**FRONT WINDSHIELD**” button.
3. Push the “**HI**” of the fan speed control switch to obtain a maximum air flow.

When the “**FRONT WINDSHIELD**” button is pushed while operating in automatic mode, the air conditioning is set to operate and the OUTSIDE AIR mode is set.

If you push the “**FRONT WINDSHIELD**” button once again while in the FRONT WINDSHIELD mode, the mode then returns to the last mode used.

**CAUTION**

Do not use the “**FRONT WINDSHIELD**” 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.

When you turn the ignition switch on after the removal and installation of the battery terminal, the indicator light may flash and the operating sound of the motor may be heard. This does not indicate a malfunction.

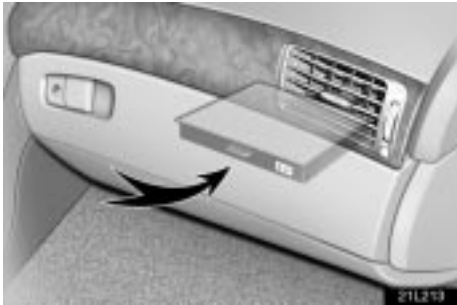
You may hear the operating sound of the motor about 70 seconds after the ignition switch is turned off. This is not also a malfunction.

**(c) Outside temperature display****Outside temperature is displayed on the screen.**

The displayed temperature ranges from  $-30^{\circ}\text{C}$  ( $-22^{\circ}\text{F}$ ) up to  $50^{\circ}\text{C}$  ( $122^{\circ}\text{F}$ ). If the temperature does not appear on the display or it shows “– –”, take your vehicle to your Lexus dealer.

## AIR CONDITIONING

### (d) Air filter



The air conditioning filter is behind the glove box.

The air conditioning filter prevents dust from entering the vehicle through the air conditioning vent.

If the "Change A/C Filter" appears on the multi-information display, change the air filter as soon as possible because the air filter might have clogged.

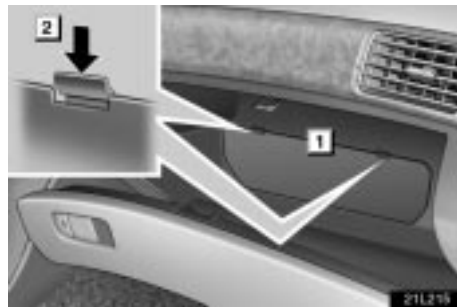
The air filter may clog after long use which will reduce the air flow.

1. When you replace the air filter, be sure to turn off the fan.



▶ **1** Partition

2. Open the glove box and remove the partition.



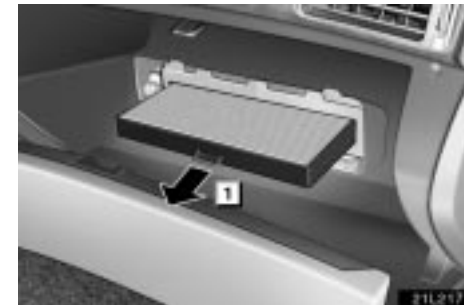
▶ **1** Cover **2** Levers

3. Push the levers and remove the cover.



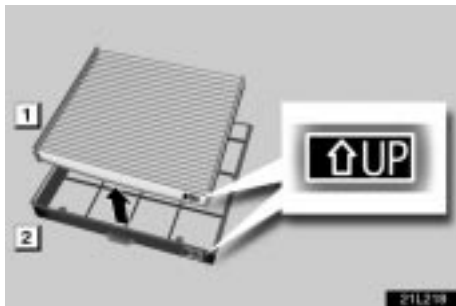
▶ **1** Filter cover **2** Levers

4. Push up the levers and remove the filter cover.



▶ **1** Filter case

5. Pull the filter case toward you.



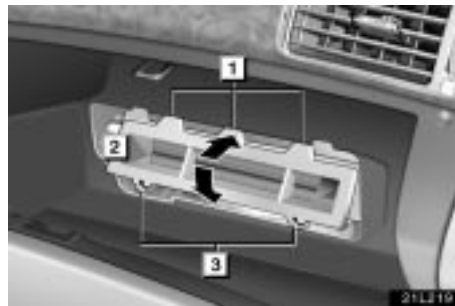
► 1 Filter 2 Filter case

6. Take the filter out of the filter case and replace it with a new one.

7. Install it in the reverse order of removal.

**NOTICE**

*When installing, the UP marks shown on the filter and filter case should be noted and fitted as shown.*



► 1 Tabs 2 Filter cover 3 Levers

8. When installing the filter cover, insert the 3 upper tabs and then 2 lower levers.



9. After the replacement, push and hold the "OFF" button for the front air conditioning for more than 4 seconds to reset the air filter clogging data. The "A/C Filter Reset" appears on the multi-information display and a tone sounds to inform you that the data has been reset.

**NOTICE**

*The air filter should be installed properly in position. The use of air conditioning with the air filter removed may cause the malfunction of the air conditioning system.*



## AIR CONDITIONING

### (e) Operating tips

- 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 dashboard vents. (See “Center vents”, “Side vents” and “Rear vents”.)
- 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.
- 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 control button be left to the OUTSIDE AIR mode and the air flow control switch be selected to anywhere except the “OFF” button.
- If following another vehicle on a dusty road, or driving in windy and dusty conditions, it is recommended that the air intake control button be temporarily pressed in to the RECIRCULATED AIR mode, which will close off the outside passage and prevent outside air and dust from entering the vehicle interior.

### Center vents



The center vents may be opened or closed as shown.



Push the “SWING” button to swing the vanes.

The vanes directly aimed at the driver and front passenger will swing wider as the room temperature nears the desired temperature. The swinging angle will also change from narrow to wide depending on the room temperature.



When you push the “SWING” button with no passenger on the front seat and “DUAL” button ON (with the indicator on):

The vanes directly aimed at the driver and rear passenger will swing wider as the room temperature nears the desired temperature. The swinging angle will also change from narrow to wide depending on the room temperature.

When you push the “SWING” button with no passenger on the front seat and “DUAL” button OFF (with the indicator off):

The vanes directly aimed at the driver will swing wider as the room temperature nears the desired temperature. The swinging angle will also change from narrow to wide depending on the room temperature.

### Side vents



The side vents may be opened or closed as shown.

### Rear vents

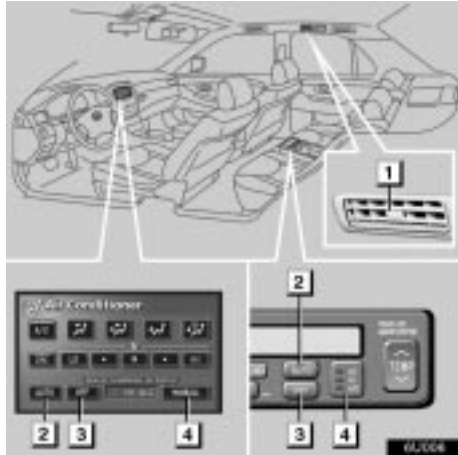


The rear vents may be opened or closed as shown.



## AIR CONDITIONING

### Rear air conditioning controls



- ▶ **1** Rear air vent
- 2** AUTO button
- 3** OFF button
- 4** LO HI A/C or Manual

These are the controls added to the front air conditioning when your vehicle is equipped with a rear air conditioning. The controls for the rear passenger and for the front passengers both work the same, so operation can be made with the controls on either panel.

### (a) Controls and functions

#### REAR AIR CONDITIONING ON-OFF-

Push the “AUTO” button to turn the air conditioning on, and push the “OFF” button to turn it off.

#### AIR FLOW CONTROL-

The mode changes every time the “LO HI A/C” or “Manual” button is pushed.

**AUTO mode**—Turns the fan operation to automatic.

**LO speed mode**—Turns the fan at low speed.

**HI speed mode**—Turns the fan at high speed.

### (b) Rear cooling

1. Turn the front air conditioning on. The rear cooler will not turn on if the front air conditioning is off.

2. Turn the rear air conditioning on. The fan speed and rear cooler are adjusted automatically.

3. Use “Manual” or “LO HI A/C” buttons to adjust the desired fan speed and the rear cooler. Each indicator light shows which mode is now selected.

**(c) Air purification**

The air purifier operates whenever the rear fan operation is on, regardless of front air conditioning activation.



Push the “**AUTO**” or “**Manual**” switch for the rear fan speed controls to operate the air purifier.

**(d) Replacing the photocatalyst filter for the rear seats**

**This rear air conditioning is equipped with dustproof and deodorant filter with photocatalyst.**

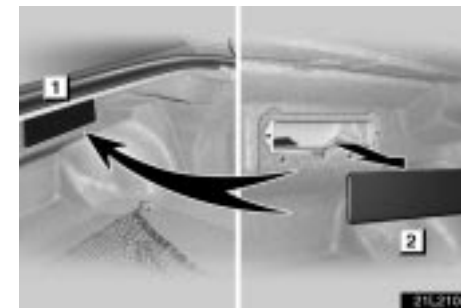
Replace the air filter when the use of rear air conditioning or air purification function reduces air flow or deodorant performance.

This filter is an interchangeable type. Do not clean the filter by washing or air blowing. The use of filter after washing or cleaning may cause a malfunction of the system. Be sure to replace it with a new one.

The filter is located in the trunk.

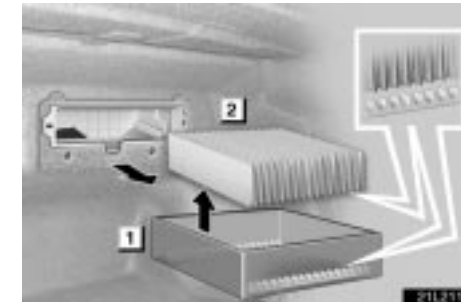
Replace the filter using the following procedures.

1. Be sure to turn the ignition switch to “**LOCK**”.



- **1 Air purifier** **2 Filter cover**

2. Open the trunk and remove the filter cover in the trunk.



- **1 Filter case** **2 Filter**

3. Pull out the filter case toward you.



## AIR CONDITIONING

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### 4. Replace the filter.

When you install the filter, face the filter surface (gray) downward and fit the filter folds properly in the case as shown.

### 5. Install the filter in the reverse order of removal.

The gray surface in the filter may turn to yellow (yellow spots) because of ultraviolet rays included in the light, however it is no problem for use.

When the ignition switch is turned on, the xenon tube comes on even if the rear air conditioning or rear fan is not operating. This does not indicate a malfunction but is required for the long use of the photocatalyst.

### NOTICE

- ***Do not look into the xenon tube in the air purifier through the filter slot and do not expose your skin directly to the light in the xenon tube also. Although the xenon tube scarcely issues less than 300nm ultraviolet rays which are thought harmful for the human body, some people may have symptoms such as eye sore, vision trouble, skin inflammation, etc.***
- ***Do not disassemble the air purifier, or it may cause a malfunction. As some part in the purifier is under high voltage, you may get an electric shock when you touch it.***
- ***The filters should be installed properly in position. The use of rear air conditioning controls with the filter removed may cause the malfunction of the rear air conditioning controls.***
- ***Turn on the air conditioning with a filter in position. The activation without an filter may not only cause a malfunction of the system but also dirty the interior by spouting dust.***