

### 3-4. Using the rear seat entertainment system

## Rear seat entertainment system features (if equipped)

The rear seat entertainment system is designed for the rear passengers to enjoy audio and DVD video separately from the front audio system.

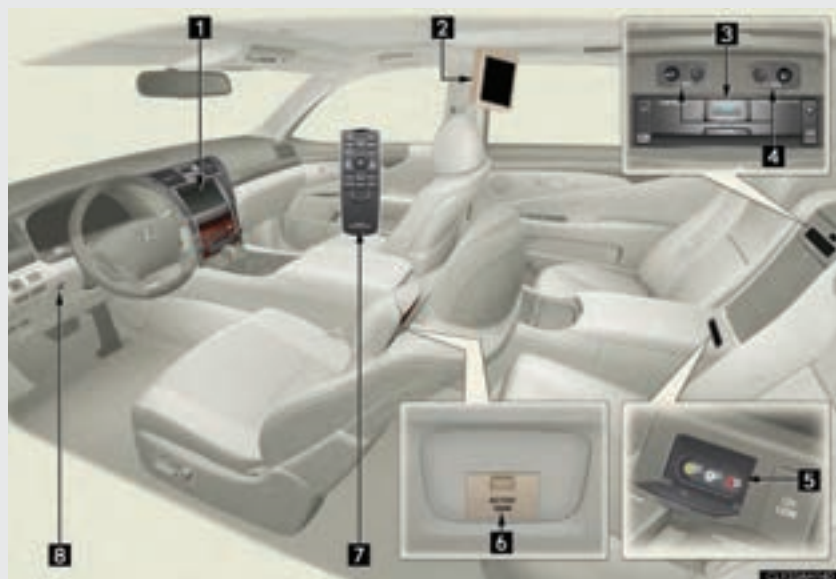
#### ► 5-seat models



- 1 Front audio system
- 2 Display
- 3 Rear seat entertainment system controller
- 4 A/V input adapter

### 3-4. Using the rear seat entertainment system

#### ► 4-seat models



- 1 Front audio system
- 2 Display
- 3 DVD player
- 4 Headphone volume control knobs and headphone jacks
- 5 A/V input adapter
- 6 Power outlet
- 7 Rear seat entertainment system controller
- 8 Power outlet main switch

## Rear seat entertainment system controller



To use the buttons under the cover, slide the cover down.

## Opening and closing the display

### ■ Opening and closing the display

#### ▶ Without navigation system



#### ● Open

Press **CLOSE** **OPEN** , **DVD** , **MAP** , **VIDEO** or **▶ ||** .

#### ● Close

Press **CLOSE** **OPEN** or **OFF** .

If the display is closed with an image shown, the image will automatically turn off. (The sound will not be turned off.)

Opening and closing operations can be performed from the front seat. (→P. 259)

► With navigation system



● Open

Press **CLOSE**  
**OPEN** , **DVD** , **VIDEO** or **▶ ||** .

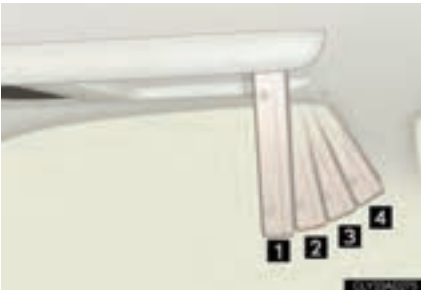
● Close

Press **CLOSE**  
**OPEN** or **OFF** .

If the display is closed with an image shown, the image will automatically turn off. (The sound will not be turned off.)

Opening and closing operations can be performed from the front seat. (→P. 259)

■ Tilting the display



The display angles change as follows each time **TILT** is pressed.

**1** → **2** → **3** → **4** → **1**

The display angle is memorized and will be recalled when the "POWER" switch is turned to "ACC" or "ON" mode again.

### ■ Caution screen



This screen appears for a few seconds when the rear display is opened. During this time, only

**CLOSE**  
**OPEN** can be operated.

### Headphone jacks (4-seat models)



To listen to the rear audio, use headphones.

- 1** To use the headphones  
Connect them to the jack.
- 2** To adjust the volume  
Turn the knob clockwise to increase the volume. Turn the knob counterclockwise to decrease the volume.

### Changing the source



Press **SOURCE** to display the audio source selection screen.



Select an audio source.

### Changing the speaker output



To play the rear audio over the speakers in the vehicle, turn **Speaker Output** on.

■ **The rear seat entertainment system can be used when**

The “POWER” switch is in “ACC” or “ON” mode.

■ **Jam protection function**

The display will stop closing and return to its previous position if something gets in the way of it closing.

■ **When  appears on the screen**

It indicates that the selected icon cannot be used at this time.

■ **Rear system lock**

→P. 259

■ **Before using the controller (for new vehicle owners)**



An insulating sheet is set to prevent the batteries from being depleted. Remove the insulating sheet before using the remote control.

■ **When the controller batteries are fully depleted**



Remove the depleted batteries and install new batteries.

■ **Headphones**

With some headphones generally available in the market, it may be difficult to catch signals properly. Lexus recommends the use of Lexus genuine wireless headphones.

Contact your Lexus dealer for further details.

### ■ Volume

- Adjust the volume when you connect the headphones to the jack. Loud sounds may have a significant impact on the human body.
- Conversational speech on some DVDs is recorded at a low volume to emphasize the impact of sound effects. If you adjust the volume assuming that the conversations represent the maximum volume level that the DVD will play, you may be startled by louder sound effects or when you change to a different audio source. Be sure to adjust the volume with this in mind.

### CAUTION

#### ■ When the rear seat entertainment system is not used

Keep the display closed.

In the event of an accident or sudden braking, an occupant may hit the opened display, resulting in injury.

#### ■ To prevent accidents and electric shock

Do not disassemble or modify the remote control.

#### ■ When the remote controller is not used

Stow the remote controller.

Injuries may result in the event of an accident or sudden braking.

#### ■ Closing the display

Never use any part of your body to intentionally activate the jam protection function.

#### ■ For vehicles sold in the U.S.A. and Canada

- Laser products (→P. 294)



 NOTICE**■ Cleaning the display**

Wipe the display with a dry soft cloth.

If the screen is wiped with a rough cloth, the surface of the screen may be scratched.

**■ To prevent damage to the remote control**

- Keep the remote control away from direct sunlight, high temperature and high humidity.
- Do not drop or knock the remote control against hard objects.
- Do not sit on or place heavy objects on the remote control.

**■ DVD player**

Never try to disassemble or oil any part of the DVD player. Do not insert anything other than a disc into the slot.

**■ Closing the display**

Do not close the display using your hand. Doing so may result in a malfunction.


### 3-4. Using the rear seat entertainment system

## Using the radio




Select radio mode on the source screen to display the control screen.

### Selecting a preset station

Press  $\wedge$  or  $\vee$  on  until the desired station band appears on the screen.

### Tuning the station

Press  $\wedge$  or  $\vee$  on  until the desired station appears on the screen.

Press  $\wedge$  or  $\vee$  on  and the stations will be searched automatically one after another.

### 3-4. Using the rear seat entertainment system


## Using the front DVD changer



- 1 Turning on DVD changer mode
- 2 Selecting a disc

### Selecting a disc



Press  $\wedge$  or  $\vee$  on  until the desired slot number appears on the screen.

- Audio CD, CD text →P. 362
- MP3/WMA disc →P. 363
- DVD video/audio →P. 365
- Video CD →P. 378

### 3-4. Using the rear seat entertainment system

## Using the rear DVD player (4-seat models)



Press **DVD** or select “Rr-DVD” on the source screen to display the control screen.

### Loading a disc

**STEP 1**



Open the cover.

**STEP 2**



Insert the disc into the slot with the label side up.

The “DISC” indicator light turns on while the disc is loaded.

The player will play the track or chapter, and will repeat it after it reaches the end.

**STEP 3** Close the cover.

## Ejecting a disc


STEP 1



Open the cover.

STEP 2



Press  and remove the disc.

STEP 3 Close the cover.

## Playing a disc



- Audio CD, CD text →P. 362
- MP3 disc →P. 363
- DVD video/audio →P. 365
- Video CD →P. 378


The rear DVD player cannot play WMA files.

### 3-4. Using the rear seat entertainment system


## Playing an audio CD/CD text

#### ■ Selecting a track



Press  $\wedge$  or  $\vee$  on  until the desired track number appears on the screen.

#### ■ Fast forwarding or reversing a track


Press and hold  $\wedge$  or  $\vee$  on  .

### 3-4. Using the rear seat entertainment system


## Playing WMA (front DVD changer only)/MP3 discs

#### ■ Selecting a file




Press  $\wedge$  or  $\vee$  on  until the desired file number appears on the screen.

#### ■ Selecting a folder

Press  $\wedge$  or  $\vee$  on  until the desired folder number appears on the screen.

#### ■ Fast forwarding or reversing a file

Press  $\wedge$  or  $\vee$  on .


### 3-4. Using the rear seat entertainment system

## Playing the HDD audio (vehicles with navigation system)




Select "HDD" on the source screen to display the control screen.


#### Selecting a track

Press  $\wedge$  or  $\vee$  on  until the desired track number appears on the screen.

#### Selecting a list

Press  $\wedge$  or  $\vee$  on  until the desired track number appears on the screen.

#### Fast forwarding or reversing a track

Press  $\wedge$  or  $\vee$  on  .



### 3-4. Using the rear seat entertainment system

## Playing DVD video/audio

#### ■ Controller

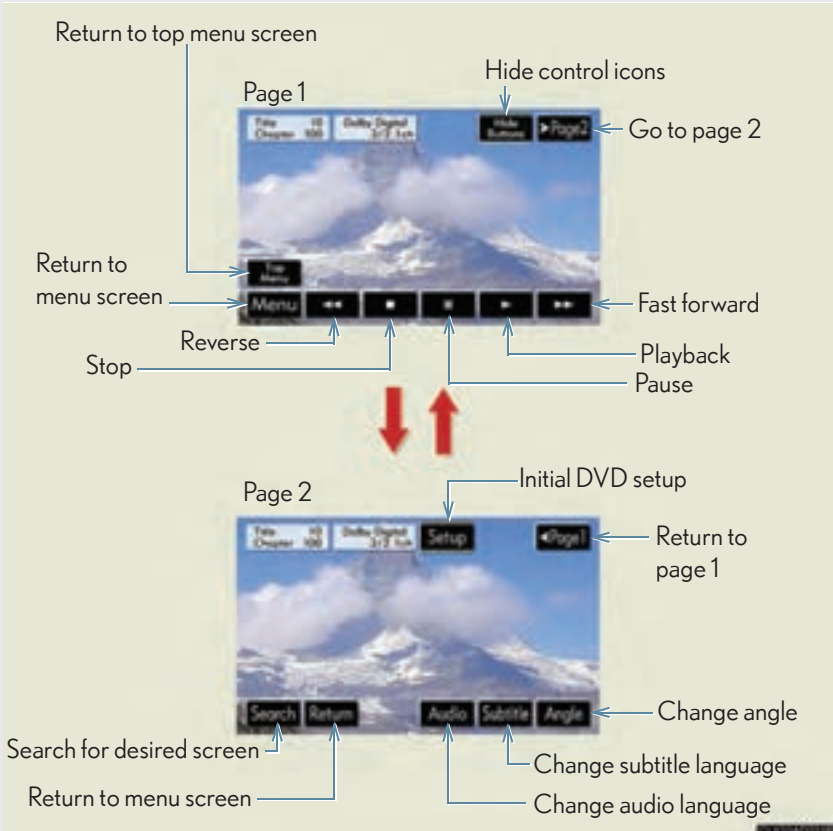



- 1 Turning on the DVD mode
- 2 Selecting a chapter/track
- 3 Reversing a disc
- 4 Turning on the title selection screen
- 5 Changing the subtitle language
- 6 Turning on the control icon screen
- 7 Changing the audio language
- 8 Stopping a disc
- 9 Turning on the menu disc
- 10 Fast forwarding a disc
- 11 Playing/pausing a disc
- 12 Selecting an icon
- 13 Inputting the selected icon

### ■ Control icon screen

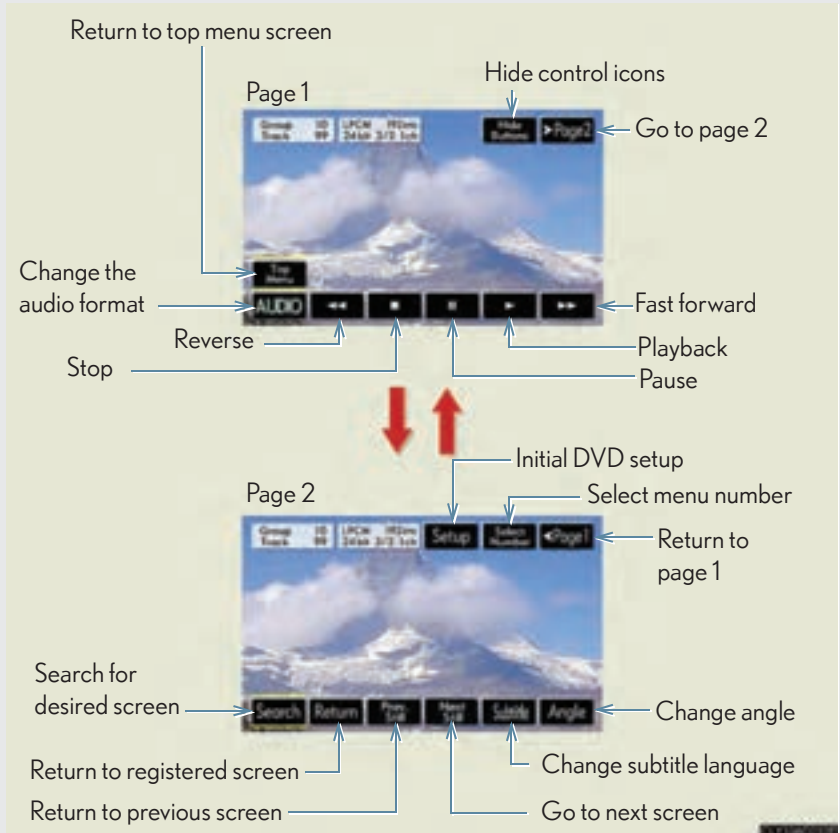
Press **OPTION** if no icons are shown while watching a DVD video, and the following screen appears.


#### ▶ DVD video mode



If  appears on the screen when you select an icon, the operation relevant to that control is not permitted.

## ▶ DVD audio mode





If  appears on the screen when you select an icon, the operation relevant to that control is not permitted.

#### Turning on or off the control icons



Press  to turn on the control icons.

Press  once again or select  to turn off the control icon.

#### Turning on the title selection screen




Press  or select  to turn on the title selection screen. For the operation of the title selection screen, see the separate manual for the DVD disc.

#### Turning on the menu screen (DVD video mode only)

Press  or select  to turn on the menu screen. For the operation of the menu screen, see the separate manual for the DVD disc.

#### Fast forwarding/reversing a disc

Perform either of the following:

● Select  or  on the screen by pressing and holding .

● Press and hold  $\wedge$  or  $\vee$  on .

#### Slow playback

Select  and then select . Video is played slowly when you select  by pressing and holding .

## Returning to the previous screen

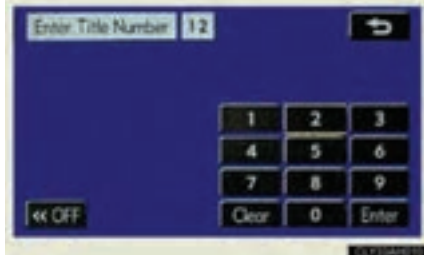
Select **Return** to return to the previous screen. For the operation of the menu screen, see the separate manual for the DVD disc.

## Searching for a desired screen

### ■ Searching by title (DVD video mode)

**STEP 1** Select **Search** on the control icon screen.

**STEP 2**



Input the desired title number and then select **Enter**.

**Clear**: deletes the last input number

**<< OFF**: hides the icons. To display the icons, select **>> ON**.

**↶**: returns to the previous screen

### ■ Searching by group (DVD audio mode)

**STEP 1** Select **Search** on the control icon screen.

**STEP 2**



Input the group number and then select **Enter**.

**Clear**: deletes the last input number

**<< OFF**: hides the icons. To display the icons, select **>> ON**.

**↶**: returns to the previous screen

■ **Playing a bonus group (DVD audio mode only, if the DVD has bonus options)**


**STEP 1** Select **Search** on the control icon screen.

**STEP 2**



Input the desired bonus group number on the group search screen and select **Enter**.

: deletes the number

: returns to the previous screen

■ **Searching by chapter/track**

Press  $\wedge$  or  $\vee$  on  to select a chapter/track.

■ **Selecting a menu number (DVD audio mode only)**

**STEP 1** Select **Select Number** on the control icon screen.

**STEP 2**



Input the desired menu number on the screen and select **Enter**.

## Changing the subtitle language

**STEP 1** Press **SUB TITLE** or select **Subtitle** on the control icon screen.

**STEP 2**



Select **Subtitle**.

Each time you press **ENT**, the next available language is selected.

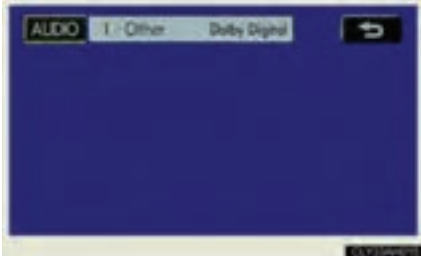
**Hide** : hides the control icons

**↩** : returns to the previous screen

## Changing the audio language (DVD video only)

**STEP 1** Press **AUDIO** or select **Audio** on the control icon screen.

**STEP 2**



Select **AUDIO**.

Each time you press **ENT**, the next available language is selected.

**↩** : returns to the previous screen

### Changing the audio format (DVD audio only)


**STEP 1** Press **AUDIO** or select **AUDIO** on the control icon screen.

**STEP 2**



Select **Audio**.

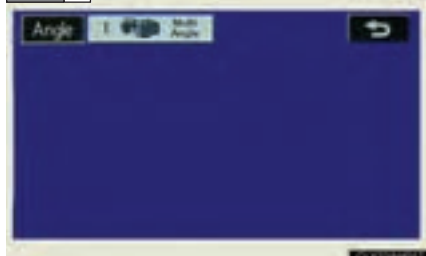
Each time you press , the next available audio format is selected.

: returns to the previous screen


### Changing the angle (If the angle option is available)


**STEP 1** Select **Angle** on the control icon screen.

**STEP 2**



Select **Angle**.

Each time you press , the next available angle is selected.

: returns to the previous screen

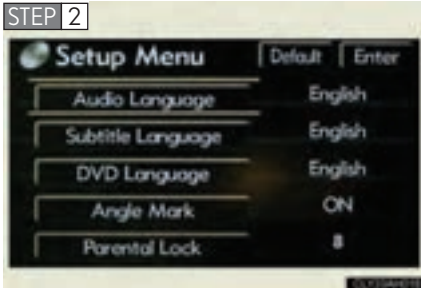


## Initial DVD setup

### ■ Displaying “Setup Menu” screen

**STEP 1** Select **Setup** on the control icon screen.

**STEP 2**



After you change the initial settings, select **Enter**.

**Default**: restores default settings

### ■ Setting audio language

**STEP 1** Select **Audio Language** on the “Setup Menu” screen.

**STEP 2** Select the desired language.

If you cannot find the desired language, select **Other** and input the desired language code. (→P. 375)

**↶**: returns to the previous screen

### ■ Setting subtitle language

**STEP 1** Select **Subtitle Language** on the “Setup Menu” screen.

**STEP 2** Select the desired language.

If you cannot find the desired language, select **Other** and input the desired language code. (→P. 375)

**↶**: returns to the previous screen

### ■ Setting menu language

**STEP 1** Select **DVD Language** on the “Setup Menu” screen.


**STEP 2** Select the desired language.

If you cannot find the desired language, select **Other** and input the desired language code. (→P. 375)

**↶**: returns to the previous screen

### ■ Setting angle mark “ON” or “OFF”

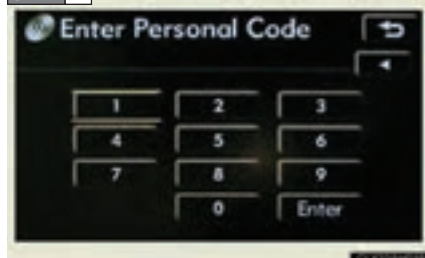
If the DVD has angle options, you can turn the angle mark on or off.

Select **Angle Mark** on the “Setup Menu” screen. Each time you press , the multi angle mark on the screen turns on or off alternately.

### ■ Parental lock

**STEP 1** Select **Parental Lock** on the “Setup Menu” screen.

**STEP 2**




Input the 4-digit password and then select **Enter**.

If you enter wrong numbers, select **Clear** to delete the numbers.

Select **Clear** 10 times to initialize the personal code.

**STEP 3** Select a parental level (1 - 8). (→P. 331)

: returns to the previous screen


### ■ Entering a language code

If you select **Other** on the “Select Audio Language” screen, “Select Subtitle Language” screen or “DVD Language” screen, you can select a language by entering the 4-digit language code if that language is available.



Input the 4-digit language code and then select **Enter**.

**Clear**: deletes the last input digit

: returns to the previous screen

### ● Language codes

Code	Language	Code	Language	Code	Language
0514	English	0207	Bulgarian	0712	Galician
0618	French	0208	Bihari	0714	Guarani
0405	German	0209	Bislama	0721	Gujarati
0920	Italian	0214	Bengali	0801	Hausa
0519	Spanish	0215	Tibetan	0809	Hindi
2608	Chinese	0218	Breton	0818	Croatian
1412	Dutch	0301	Catalan	0821	Hungarian
1620	Portuguese	0315	Corsican	0825	Armenian
1922	Swedish	0319	Czech	0901	Interlingua
1821	Russian	0325	Welsh	0905	Interlingue
1115	Korean	0401	Danish	0911	Inupiak
0512	Greek	0426	Bhutani	0914	Indonesian
0101	Afar	0515	Esperanto	0919	Icelandic
0102	Abkhazian	0520	Estonian	0923	Hebrew
0106	Afrikaans	0521	Basque	1001	Japanese
0113	Amharic	0601	Persian	1009	Yiddish
0118	Arabic	0609	Finnish	1023	Javanese
0119	Assamese	0610	Fiji	1101	Georgian
0125	Aymara	0615	Faroese	1111	Kazakh
0126	Azerbaijani	0625	Frisian	1112	Greenlandic
0201	Bashkir	0701	Irish	1113	Cambodian
0205	Byelorussian	0704	Scots-Gaelic	1114	Kannada

### 3-4. Using the rear seat entertainment system

Code	Language	Code	Language	Code	Language
1119	Kashmiri	1415	Norwegian	1914	Shona
1121	Kurdish	1503	Occitan	1915	Somali
1125	Kirghiz	1513	(Afan) Oromo	1917	Albanian
1201	Latin	1518	Oriya	1918	Serbian
1214	Lingala	1601	Panjabi	1919	Siswati
1215	Laothian	1612	Polish	1920	Sesotho
1220	Lithuanian	1619	Pashto, Pushto	1921	Sundanese
1222	Latvian	1721	Quechua	1923	Swahili
1307	Malagasy	1813	Rhaeto- Romance	2001	Tamil
1309	Maori	1814	Kirundi	2005	Telugu
1311	Macedonian	1815	Romanian	2007	Tajik
1312	Malayalam	1823	Kinyarwanda	2008	Thai
1314	Mongolian	1901	Sanskrit	2009	Tigrinya
1315	Moldavian	1904	Sindhi	2011	Turkmen
1318	Marathi	1907	Sangho	2012	Tagalog
1319	Malay	1908	Serbo- Croatian	2014	Setswana
1320	Maltese	1909	Sinhalese	2015	Tonga
1325	Burmese	1911	Slovak	2018	Turkish
1401	Nauru	1912	Slovenian	2019	Tsonga
1405	Nepali	1913	Samoan	2020	Tatar

Code	Language	Code	Language	Code	Language
2023	Twi	2209	Vietnamese	2515	Yoruba
2111	Ukrainian	2215	Volapük	2621	Zulu
2118	Urdu	2315	Wolof		
2126	Uzbek	2408	Xhosa		

### ■ Error messages

If “Region Code Error” is displayed, check if the region code printed on the DVD matches the player's region code.

If a different message is displayed: →P. 328

## 3-4. Using the rear seat entertainment system

### Playing a video CD

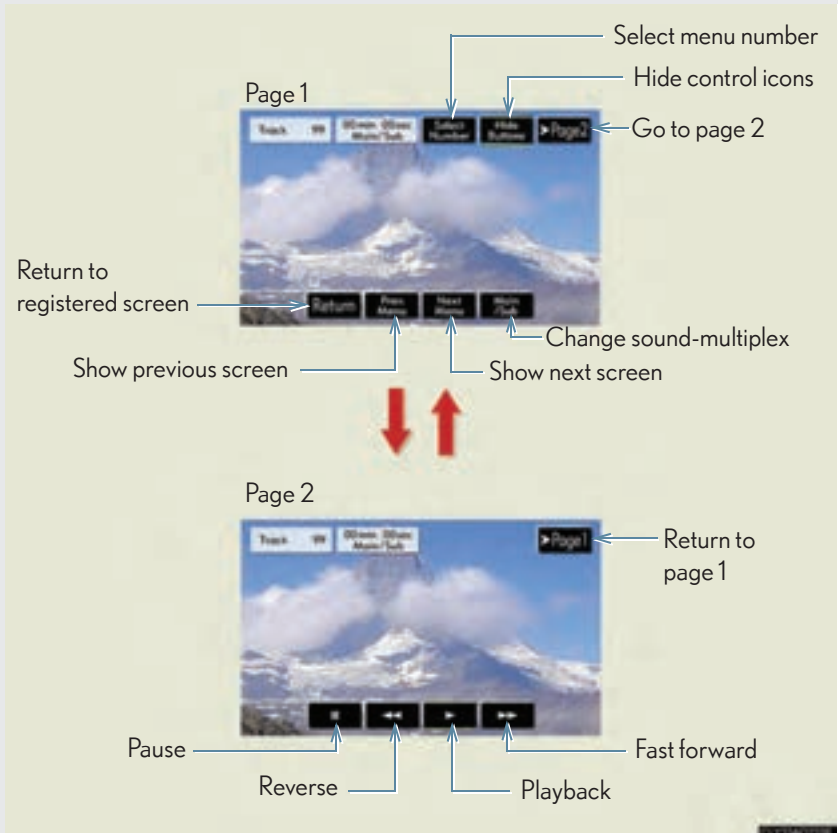
#### ■ Controller




- 1 Selecting a track
- 2 Reversing a disc
- 3 Turning on the control icon screen
- 4 Stopping a disc
- 5 Fast forwarding a disc
- 6 Playing/pausing a disc
- 7 Selecting an icon
- 8 Inputting the selected icon

### ■ Control icon screen




Press **OPTION** if no icons are shown while watching a video CD, and the following screen appears.



If  appears on the screen when you select an icon, the operation relevant to that control is not permitted.

#### Fast forwarding/reversing the video CD

Perform either of the following:

- Select  or  on the screen by pressing and holding .

- Press and hold  or  on .



#### Slow playback

Select  and then select . Video is played slowly when you select  by pressing and holding .

#### Using the video CD menu

Select **Return**.

Refer to the manual that comes with the video CD for specific menu items.

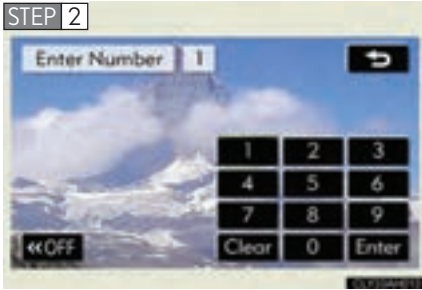


## Selecting a desired screen

### ■ Selecting a menu number


**STEP 1** Select **Select Number** on the control icon screen.

**STEP 2**




Input the desired menu number on the screen and select **Enter**.

### ■ Searching manually

Select **Prev. Menu** or **Next Menu** on the screen, or press  $\wedge$  or  $\vee$  on  until the desired screen appears.

## Changing the sound-multiplex mode

Select **Main/Sub** on the control icon screen. The mode cycles through each time the  is pressed.

“Main” → “Sub” → “Main/Sub”



## DVD player and DVD video disc information

#### ■ Error messages

→P. 328

#### ■ DVD video discs

- The DVD player conforms to NTSC color TV formats.
- Region code: Some DVD video discs have a region code indicating the region in which you can use the DVD video disc. If the DVD video disc is not labeled as "ALL" or "1", you cannot use it on this DVD player. If you attempt to play an inappropriate DVD video disc on this player, "Region Code Error" appears on the screen. Even if the DVD video disc does not have a region code, you may not be able to use it.
- The front DVD player supports multi-channel surround sound. The rear DVD player does not support multi-channel surround sound. (only 2-channel sound is output.)

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#### ■ Symbols shown on DVD video discs

→P. 329

#### ■ Discs that can be used

→P. 330

#### ■ DVD video disc information

→P. 330

#### ■ Sound

→P. 332

#### ■ MP3 and WMA files

→P. 332

### CAUTION

#### ■ DVD video precaution

→P. 335

 NOTICE**■ Discs and adapters that cannot be used**

→P. 336

**■ Player precautions**

Failure to follow the precautions below may result in damage to the discs or the player itself.

- Do not insert anything other than discs into the disc slot.
- Do not apply oil to the player.
- Store discs away from direct sunlight.
- Never try to disassemble any part of the player.

## 3-4. Using the rear seat entertainment system

### Using the video mode



Press **VIDEO** to select the video mode.

Before switching to the video mode, connect the audio-video equipment to the A/V input adapter.

### Using the adapter

#### ► 5-seat models



Open the cover.

The A/V input adapter is composed of 3 input adapters.

Yellow: Image input adapter

White: Left channel audio input adapter

Red: Right channel audio input adapter

#### ► 4-seat models



## Changing to PAL format



Press **DISPLAY**.



If the video does not appear, turn **PAL VIDEO** on.

**PAL VIDEO** will be displayed when PAL format equipment is connected to the A/V input adapter.

### ■ A/V input adapter

The rear seat entertainment system plays videos and sound when audio-video equipment is connected to the A/V input adapter. For details, refer to the manufacturer's instructions.

### ■ Power outlet

The power outlet is used to connect the audio-video equipment. (→P. 456)

### ⚠ NOTICE

#### ■ When the A/V input adapter is not in use

Keep the A/V input adapter cover closed.

Inserting anything other than an appropriate plug may cause electrical failure or a short circuit.

### 3-4. Using the rear seat entertainment system

## Changing other settings

### Setting the display mode



Pressing **SIZE** changes the display modes sequentially as follows:

Normal → Wide 1 → Wide 2



### Adjusting the screen



Press **DISPLAY**.

Select the brightness, contrast, tone or color, and make adjustments.

Press **DISPLAY** or **ENT** to input it.

"Color"	Red	Green
"Tone"	Lighter	Darker
"Contrast"	Weaker	Stronger
"Brightness"	Darker	Brighter

### Automatic closing of the rear display



Press **DISPLAY**.

If **Auto Close** is on, the display will automatically close when the "POWER" switch is turned to "OFF" mode.

The display will automatically open when the "POWER" switch is turned to "ACC" or "ON" mode.

### Displaying the map screen (with navigation system)



Press **MAP**.

The map screen will appear.

### 3-5. Using the hands-free system (for cellular phone)

#### Hands-free system (for cellular phone) (without navigation system)

The hands-free system is a function that allows you to use your mobile phone without touching it.

This system supports Bluetooth<sup>®</sup> mobile phones. Bluetooth<sup>®</sup> is a wireless data system that allows the mobile phone to wirelessly connect to the hands-free system and outgoing/incoming calls.

Owners of models equipped with a navigation system should refer to "Navigation System Owner's Manual".

#### ■ Telephone switch



- 1 Sending/Receiving/  
"Telephone" screen display  
(when stopped)
- 2 End call

#### ■ Microphone



The person you are speaking to can be heard from the driver's side speaker.

To use the hands-free system, you must register your Bluetooth<sup>®</sup> phone in the system. (→P. 393)










## Status display

You can check such indicators as signal strength and battery charge on the “Telephone” screen.



- 1 Connection status
- 2 Battery charge
- 3 Call area
- 4 Signal strength

Indicators	Conditions
Connection status	Blue: Good Yellow: Bad  : Not connected
12-volt battery charge	 : Full  : Low  : Empty
Call area	“Rm”: Roaming area “Hm”: Home area
Signal strength	 : Good  : Bad  : Not connected

#### ■ When using the hands-free system

- The audio system and voice guidance are muted when making a call.
- If both parties speak at the same time, it may be difficult to hear.
- If the incoming call volume is overly loud, an echo may be heard.
- Try to face toward the microphone as much as possible when speaking.
- In the following circumstances, it may be difficult to hear the other party:
  - When driving on unpaved roads
  - When driving at high speeds
  - If a window is open
  - If the air conditioning is blowing directly on the microphone
  - If the air conditioning is set to high

#### ■ Conditions under which the system will not operate

- If using a mobile phone that does not support Bluetooth<sup>®</sup>
- If the mobile phone is switched off
- If you are outside service range
- If the mobile phone is not connected
- If the mobile phone's battery is low

#### ■ Bluetooth<sup>®</sup> antenna

The antenna is built into the display. If the mobile phone is behind the seat or in the console box, or touching or covered by metal objects, connection status may deteriorate.

#### ■ Battery charge/Signal status

This display may not correspond exactly with the mobile phone itself.

#### ■ About Bluetooth<sup>®</sup>



Bluetooth is a registered trademark of Bluetooth SIG, Inc.

### ■ Compatible models

Compatible with HFP (Hands Free Profile) Ver. 1.0 and OPP (Object Push Profile) Ver. 1.1.

If your cellular phone does not support HFP, you cannot enter the Bluetooth<sup>®</sup> phone. If your cellular phone supports OPP alone, you cannot use the Bluetooth<sup>®</sup> phone.

### ■ Certification for the hands-free system

FCC ID: BABBT007A BABBT008A IC ID: 2024B-BT007A MADE IN JAPAN
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This device complies with Part 15 of the FCC Rules and RSS-Gen of IC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

## CAUTION

### ■ FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Radio Frequency Exposure.** This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated with at least 7.9 in. (20 cm) and more between the radiator and person's body (excluding extremities : hands, wrists, feet and legs).

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

### ■ Caution while driving

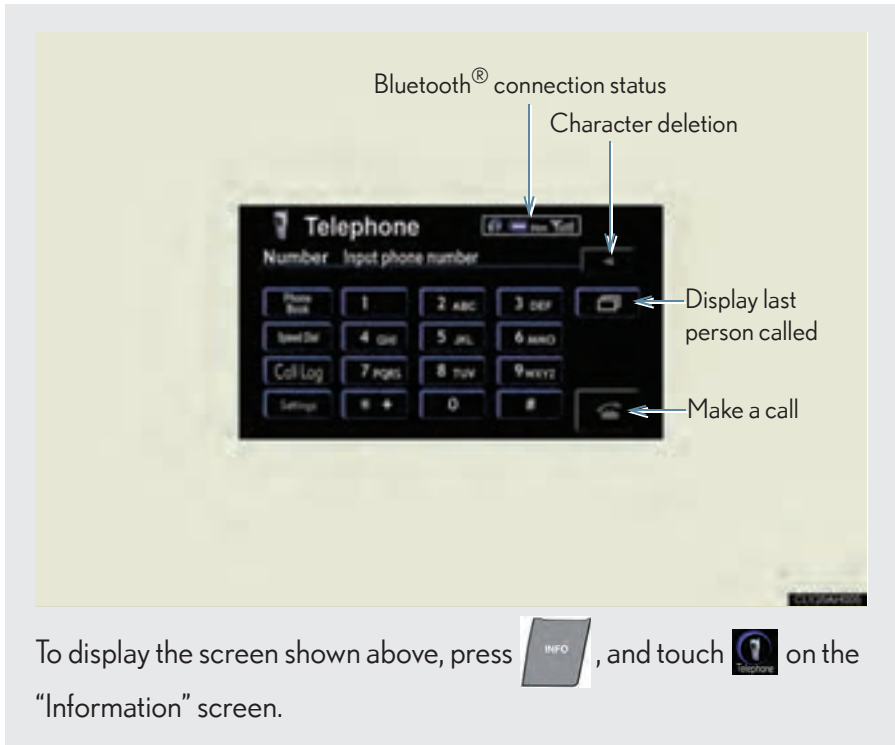
Do not use the mobile phone or connect the Bluetooth<sup>®</sup> system.

 NOTICE

■ **When leaving the vehicle**

Do not leave your mobile phone in the vehicle. The inside of the vehicle may become hot, causing damage to the phone.


### 3-5. Using the hands-free system (for cellular phone) Using a Bluetooth® phone




#### Registering a Bluetooth® phone

You can register up to 6 phones in the system.

**STEP 1** Press  .

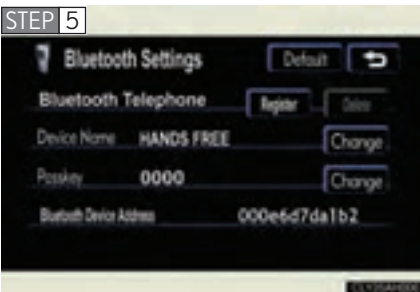
**STEP 2** Touch  on the "Information" screen.

**STEP 3** Touch  on the "Telephone" screen.

### 3-5. Using the hands-free system (for cellular phone)



Touch .



Touch .



Input the passkey displayed on the screen into your phone.

If the message “Bluetooth\* connection successful” is displayed, registration is complete.


If the message “Bluetooth\* connection failed. Please check the “Passkey” and the settings of the telephone” is displayed, start again from the beginning.


\*:Bluetooth is a registered trademark of Bluetooth SIG, Inc.

## Bluetooth® phone connection

There are two connection methods available—automatic and manual.

**STEP 1** Press .

**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** Choose one of the following methods:



### 1 Automatic connection

If the “POWER” switch is turned to “ACC” or “ON” mode, the system will automatically connect to the Bluetooth® phone. Touching “Auto Connect” will turn it on/off.

### 2 Manual connection

If automatic connection fails or is turned off, connection must be made manually.

If the message “Bluetooth\* connection successful” is displayed, connection is complete.

\*:Bluetooth is a registered trademark of Bluetooth SIG, Inc.

## Reconnecting to the Bluetooth® phone

If the system cannot connect due to poor signal strength with the “POWER” switch in “ACC” or “ON” mode, the system will automatically attempt to reconnect.


If the phone is turned off, the system will not attempt to reconnect. In this case, connection must be made manually, or the phone must be re-selected.

## Making a call

Once the Bluetooth<sup>®</sup> phone is registered, you can make a call using the following procedure:


### ■ Dialing


**STEP 1** Press .

**STEP 2** Touch  on the “Information” screen.



Input the phone number.

To delete the inputted phone number, touch .

To dial the last inputted phone number, touch .

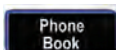
**STEP 4** Touch  or press  on the steering wheel.

### ■ Dialing from the phone book

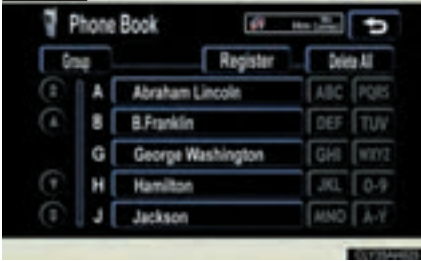
You can dial a number from the phone book data imported from your mobile phone. Up to 1000 entries may be stored in the phone book. (→P. 415)

**STEP 1** Press .

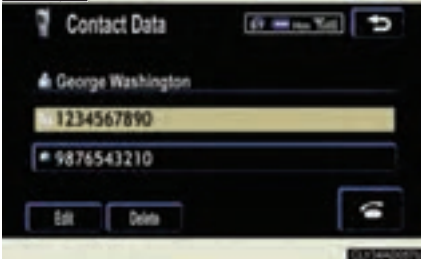
**STEP 2** Touch  on the “Information” screen.



**STEP 3** Touch  on the “Telephone” screen.



**STEP 4**

Choose the desired name to call from the list.

**STEP 5**


Choose the number and then touch  or press  on the steering wheel.


### ■ Dialing from history

You can make a call from past dialed numbers or incoming calls.

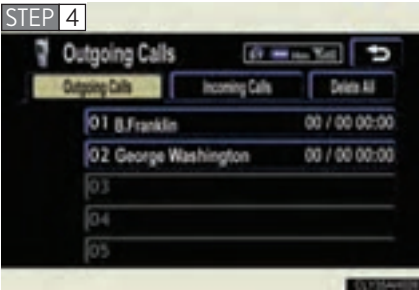
Up to 5 numbers are stored, with the last recent number being deleted to make room for a new number.

**STEP 1** Press .

**STEP 2** Touch  on the "Information" screen.

**STEP 3** Touch  on the "Telephone" screen.



### 3-5. Using the hands-free system (for cellular phone)



Choose the number to call from the list.

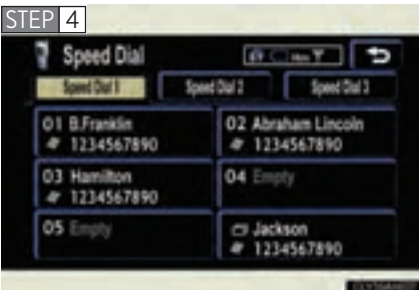
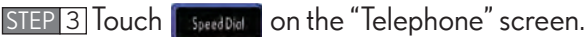
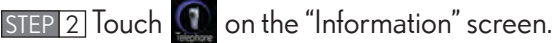
To choose a number from the incoming call history, touch **Incoming Calls** and choose a number to call.



Touch  or press  on the steering wheel.

#### ■ Calling using speed dial

You can make a call using numbers registered from the phone book and call history. (→P. 408)



Choose the desired number to make a call.

To change the page, touch **Speed Dial 2** or **Speed Dial 3**.

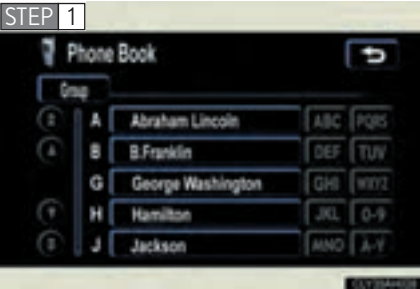
### ■ Calling using voice recognition

Using voice recognition, you can call by name from the “Phone Book” screen, call by number from the “Telephone” screen, and send tones from the “Call” screen. (→P. 403)



Talk switch

### ● Calling by name from the “Phone Book” screen




Pull .

**STEP 1** Following the system guidance, wait until a beep and then say the desired name.

If there are multiple entries for the same name, **Next** will be displayed.

To select the next candidate, touch **Next**.

**STEP 2** Following the system guidance, pull .

**STEP 3** Following the system guidance, wait until the beep and then say “Dial”.

### 3-5. Using the hands-free system (for cellular phone)

- Calling by number from the “Telephone” screen



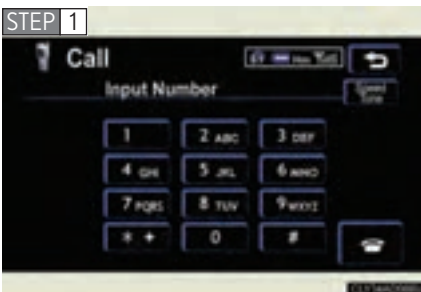
Pull .

**STEP 2** Following the system guidance, wait until a beep and then say the desired number.

**STEP 3** Following the system guidance, pull .

**STEP 4** Following the system guidance, wait until a beep and then say “Dial”.

- Sending tones from the “Call” screen





Pull .

**STEP 2** Following the system guidance, wait until a beep and then say the desired number.


**STEP 3** Following the system guidance, pull .

**STEP 4** Following the system guidance, wait until a beep and then say “Yes”.

### ■ Outgoing/incoming call history list

- If you make a call to or receive a call from a number registered in the phone book, the name is displayed in the call history.
- If you make multiple calls to the same number, only the last call made is displayed in the incoming call history.
-  is displayed to the left of the phone number for unanswered calls.
-  is displayed to the left of the phone number for refused calls.
- Calls where the number is unavailable, such as public telephones, are not stored in the call history.

### ■ When driving




- The functions “Dialing”, “Dialing from the phone book”, and “Dialing from history” are unavailable.
- If you press  on the steering wheel, the “Speed Dial” screen is displayed. At this time, phone numbers will not be displayed. Choose from the names displayed to make a call.

### ■ International calls

You may not be able to make international calls, depending on the mobile phone in use.

### ■ To display the voice recognition command list






**STEP 1** After pulling , touch . If the “Operating Guide” screen is displayed, touch .

**STEP 2** Touch .

### 3-5. Using the hands-free system (for cellular phone)




#### ■ To display the voice recognition operating guide



**STEP 1** After pulling , touch . If the "Command List" screen is displayed, touch .

**STEP 2** Touch .

#### ■ To cancel voice recognition

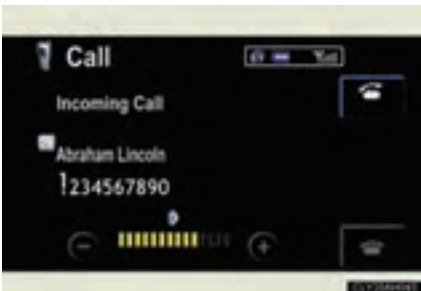
- Pull and hold .
- Press  on the steering wheel.
- Touch . (excluding command verification)



#### ■ When using voice recognition

Use correct commands and speak clearly, otherwise the system may not correctly recognize the command. Wind or other noises may also cause the system not to recognize the desired command.

## Receiving a call

When a call is received, the following screen is displayed together with a sound.





Touch  or press  on the steering wheel.

### ■ To refuse a call

Touch  or press  on the steering wheel.

### ■ To adjust the incoming call volume

Touch  or . You can also adjust the volume using the steering switches.

### ■ International calls



Received international calls may not be displayed correctly, depending on the mobile phone in use.

## Speaking on the phone

The following screen is displayed when speaking on the phone.



### ■ To adjust the incoming call volume

Touch  or . You can also adjust the volume using the steering switches.

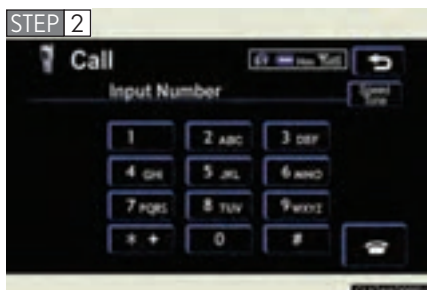
### ■ To prevent the other party from hearing your voice

Touch .

### ■ Inputting key tones

When using phone services such as an answering service or a bank, you can store phone numbers and code numbers in the phone book.

**STEP 1** Touch **0-9**.



Input the number.

If repeated tone symbols\* are stored in the phone book, **Send** and **Exit** are displayed on the right side of the screen.

\*:Repeated tone symbols are symbols or numbers displayed as p or w, that come after the phone number.  
(e.g. 056133p0123w#1\*)

**STEP 3** Confirm the number displayed on the screen, and touch **Send**.

If you touch **Exit**, this function will finish.

#### ■ To transfer a call

Touch **Transfer Call**.

#### ■ To hang up

Touch  or press  on the steering wheel.

---

#### ■ Transferring calls

- It is not possible to transfer from hands-free to the mobile phone while driving.
- If you transfer from the mobile phone to hands-free, the hands-free screen will be displayed, and you can operate the system using the screen.
- Transfer method and operation may vary according to the mobile phone used.
- For operation of the mobile phone in use, see the phone's manual.

#### ■ To send a tone by speed tone

Touch **0-9** and touch **Speed Tone**. Choose the desired number from the speed tone list displayed.

#### ■ While driving

Key input is unavailable.






### 3-5. Using the hands-free system (for cellular phone)

## Setting the hands-free system (for cellular phone)

You can speed dial, register in and edit the phone book data, and set the Bluetooth<sup>®</sup> phone.




To display the screen shown above, press , touch  on the "Information" screen, and touch  on the "Telephone" screen.


## Registering/Deleting a speed dial item


### ■ Registering a speed dial item

You can register a number from the phone book or the call history. Up to 17 entries may be stored.


**STEP 1** Press .

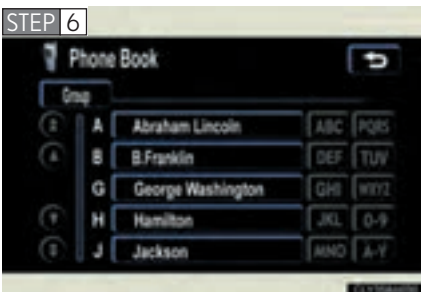
**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.

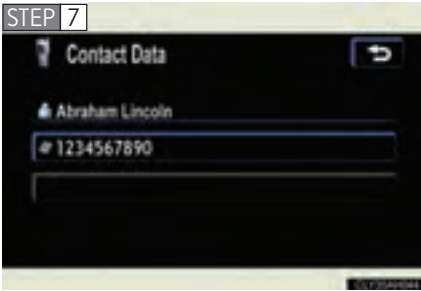
**STEP 4** Touch  on the “Settings” screen.



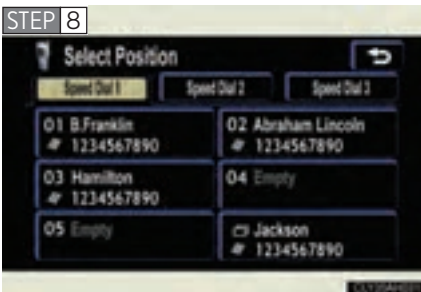
Touch  in the “Speed Dial” section of the “Speed Dial Settings” screen.



Select the data to be registered.



Select the number to be registered.



Touch the desired switch.

The last dialed number will be registered in position 6.

### ■ Deleting a speed dial item

**STEP 1** Press .

**STEP 2** Touch on the “Information” screen.

**STEP 3** Touch on the “Telephone” screen.



**STEP 4** Touch on the “Settings” screen.

**STEP 5** Touch in the “Speed Dial” section of the “Speed Dial Settings” screen.

**STEP 6** Select the data to be deleted, and a confirmation message will be displayed.

**STEP 7** If everything is correct, touch .

■ To delete all speed dial items


Follow the steps for “Deleting a speed dial item” until “STEP 5”. In the “Speed Dial” section of the “Speed Dial Settings” screen, touch . A confirmation message will be displayed. If everything is correct, touch .


**Registering/Editing/Deleting a speed tone**


■ Registering a speed tone

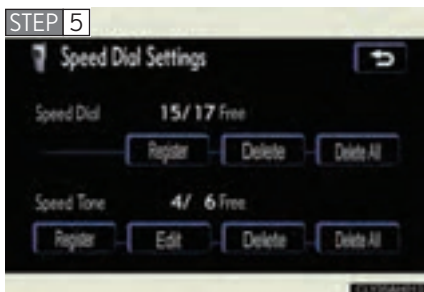
You can register up to 6 items.


**STEP 1** Press .

**STEP 2** Touch  on the “Information” screen.


**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** Touch  on the “Settings” screen.



Touch  in the “Speed Tone” section.



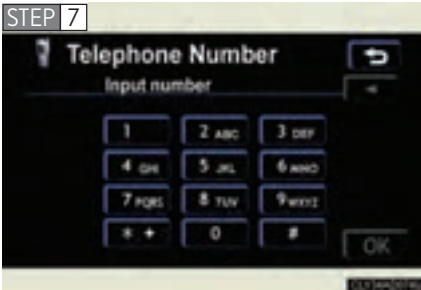
Input the desired name and touch .

,  : Letter input

 : Number/Symbol input

 : Space

 : Backspace




Input the number and touch **OK**.





Touch the desired switch.

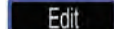
### ■ Editing a speed tone

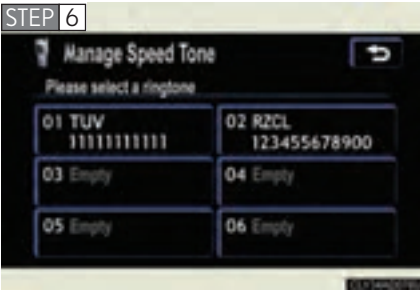
**STEP 1** Press .

**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** Touch  on the “Settings” screen.

**STEP 5** Touch  in the “Speed Tone” section of the “Speed Dial Settings” screen.




Touch the switch to be edited.


**STEP 6** Input the name and touch **OK**.


**STEP 8** Input the number and touch **OK**.


### ■ Deleting a speed tone

**STEP 1** Press .

**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** Touch  on the “Settings” screen.



**STEP 5** Touch  in the “Speed Tone” section of the “Speed Dial Settings” screen.

**STEP 6** Choose the data to delete, and a confirmation message will be displayed.

**STEP 7** If everything is correct, touch .

---

### ■ To delete all speed tone data

Follow the steps for “Deleting a speed tone” until “STEP 5”. In the “Speed Tone” section, touch . A confirmation message will be displayed. If everything is correct, touch .

## Setting the volume

**STEP 1** Press



**STEP 2** Touch



on the “Information” screen.

**STEP 3** Touch



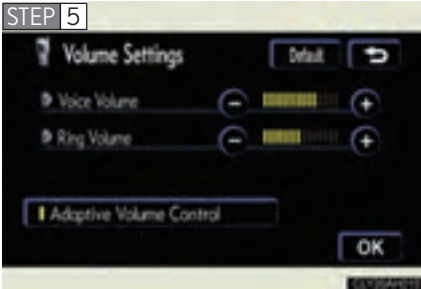
on the “Telephone” screen.

**STEP 4** Touch



on the “Settings” screen.

**STEP 5**



Touch or to lower or raise the volume.

Voice volume: changes the speaker volume

Ring volume: changes the ring volume

### Adaptive volume control

When traveling at 50 mph (80 km/h) or more, the system automatically raises the volume one level.

If the vehicle speed drops to 43 mph (70 km/h), the volume will return to its original level.

You can turn this function on/off by touching .

### To return to the default volume settings

Touch , and then .

## Changing the screen settings

The following settings can be changed:



- “Incoming Call Display”

The incoming call screen settings can be changed.

- “Auto Answer”

When a call is received, the system automatically switches to the talking screen after the set period of time, meaning you can speak without pressing anything.

- “Show Bluetooth\* connection status at startup”


You can set the system to show the status confirmation display when connecting.


\*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.




### ■ “Incoming Call Display” settings

**STEP 1** Press .

**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** Touch  on the “Settings” screen.


**STEP 5** Select the desired switch.


**Full** : The hands-free screen is displayed when a call is received, and you can operate the system from that screen.


**Icon** : A message is displayed at the top of the screen, and you can only operate the system with the steering switches.

### ■ “Auto Answer” settings

**STEP 1** Press .

**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.


**STEP 4** Touch  on the “Settings” screen.


**STEP 5** Touch  in the “Auto Answer” section of the “Screen Settings” screen.


**STEP 6** Set the wait time using  and . (1 - 60 seconds)

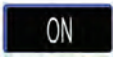
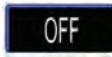
■ “Show Bluetooth\* connection status at startup” settings

STEP 1 Press  .

STEP 2 Touch  on the “Information” screen.

STEP 3 Touch  on the “Telephone” screen.

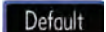

STEP 4 Touch  on the “Settings” screen.

STEP 5 Touch  /  in the “Show Bluetooth\* connection status at startup” section of the “Screen Settings” screen.

\*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

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■ To set the screen settings to default


Touch  , and then  .


## Phone book settings


Up to 1000 names, 2 items per name, can be registered.

### ■ Transferring mobile phone data

**STEP 1** Press  .

**STEP 2** Touch  on the “Information” screen.

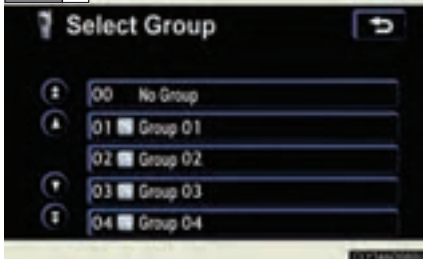
**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** Touch  on the “Settings” screen.

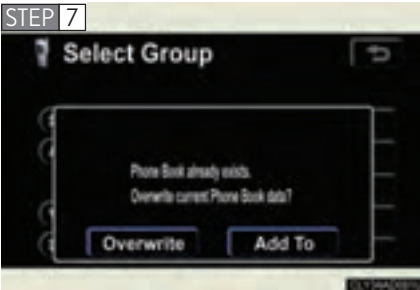
**STEP 5** Touch  .



**STEP 6** Select the group to transfer to.

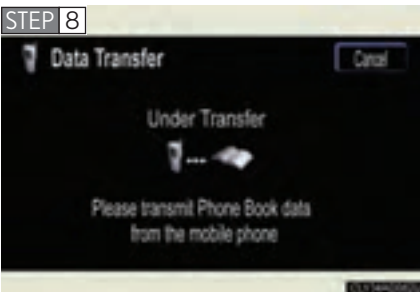


### 3-5. Using the hands-free system (for cellular phone)



To overwrite data, touch **Overwrite**.

To add to existing data, touch **Add To**.

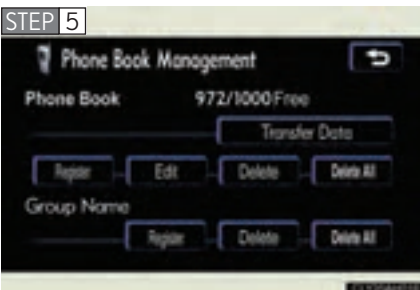
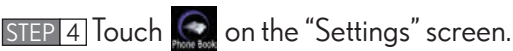
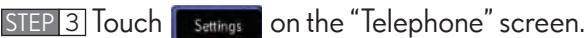
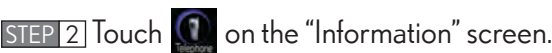


Transfer will begin. If you wish to cancel the transfer before it is finished, touch **Cancel**.

Transfer is complete when "Transfer completed" is displayed.

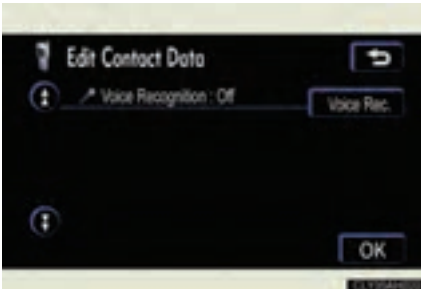
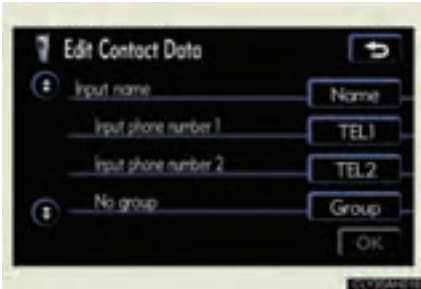
If "Transfer failed" is displayed, restart the process from the beginning.

#### ■ Registering by input



Touch **Register** in the "Phone Book" section.

**STEP 6** Choose the switch to register.



**Name** : Input the name on the "Name" screen.

**TEL1** and **TEL2** : Input the number(s) on the "Telephone Number" screen. When you touch **OK**, the "Select Icon" screen will appear.

Choose the desired icon.

- **Mobile phone1**
- **Mobile phone2**
- **Home**
- **Work**
- **Other**

**Group** : Select the desired group from the "Select Group" screen. (No Group, 01 - 09)


**Voice Rec.** : Select the desired phone number and touch **REC** to record a voice tag.


To play the voice tag, touch **PLAY**. To delete the voice tag, touch **Delete**.

**STEP 7** Once input is complete, touch **OK**.


■ Adding call history data to a registered entry

**STEP 1** Press  .

**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** Choose the desired number from the list.







To choose from the incoming call history, touch  and select the desired number.

**STEP 5**  Touch  .





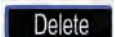
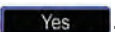
**STEP 6** Choose the phone book entry to be added to.

**STEP 7** Check the data to be added, and touch  .





### ■ Editing phone book data

- STEP 1** Press  .
- STEP 2** Touch  on the “Information” screen.
- STEP 3** Touch  on the “Telephone” screen.
- STEP 4** Touch  on the “Settings” screen.
- STEP 5** Touch  in the “Phone Book” section of the “Phone Book Management” screen.
- STEP 6** Choose the data to edit.
- STEP 7** Choose the switch to edit.
- STEP 8** After editing, touch  .

### ■ Deleting phone book data

- STEP 1** Press  .
- STEP 2** Touch  on the “Information” screen.
- STEP 3** Touch  on the “Telephone” screen.
- STEP 4** Touch  on the “Settings” screen.
- STEP 5** Touch  in the “Phone Book” section of the “Phone Book Management” screen.
- STEP 6** Select the data to delete.
- STEP 7** A confirmation message will be displayed. If everything is correct, touch  .


### ■ To delete all data


Follow the steps for “Deleting phone book data” until “STEP 5”. In the “Phone Book” section of the “Phone Book Management” screen, touch . To delete all data within a group, touch , and select the group to delete. To delete all contact data, touch . Check that everything is correct, and touch .

### ■ Registering/Editing/Deleting from the phone book


You can register data in the phone book, edit registered data, and delete items.



**STEP 1** Press .

**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** To register data, touch  on the “Phone Book” screen.

To delete all data, touch .

To delete or edit specific data, select the data to delete/edit, and touch  to delete, or  to edit.

### ■ The phone book


The method for transferring phone book data from the phone to the system varies with phone model. See the phone’s manual.





## Changing the phone book group name settings


### ■ Registering a group name

**STEP 1** Press .

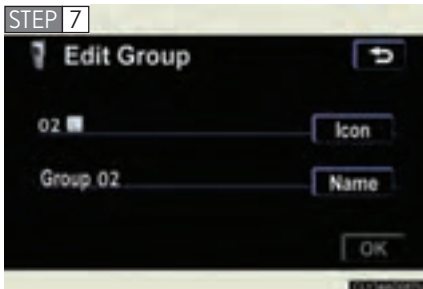
**STEP 2** Touch  on the "Information" screen.

**STEP 3** Touch  on the "Telephone" screen.

**STEP 4** Touch  on the "Settings" screen.

**STEP 5** Touch  in the "Group Name" section of the "Phone Book Management" screen.

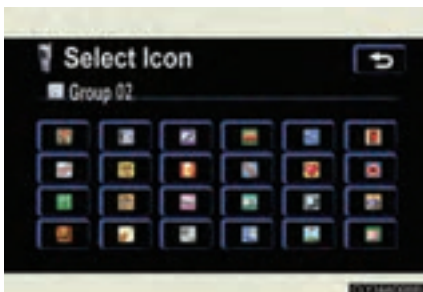
**STEP 6** Select the group to register ("01" - "19").



Select the switch to be edited.

**Icon**: The below screen will be displayed. Select the desired icon.

**Name**: Input the name on the "Name" screen.





**STEP 8** Once editing is complete, touch .

### ■ Deleting a group name

**STEP 1** Press  .

**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** Touch  on the “Settings” screen.



**STEP 5** Touch  in the “Group Name” section of the “Phone Book Management” screen.

**STEP 6** Select the group name to delete, and a confirmation message will be displayed.

**STEP 7** If everything is correct, touch  .


---


### ■ To delete all data

Follow the steps for “Deleting phone book data” until “STEP 5”. In the “Phone Book” section of the “Phone Book Management” screen, touch  . A confirmation message will be displayed. If everything is correct, touch  .


## Deleting the history

**STEP 1** Press .

**STEP 2** Touch  on the “Information” screen.

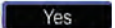
**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** Select the data to delete from the list.





To delete data from the incoming call history, touch , and select the data to delete.



Touch .

**STEP 6** Check that everything is correct, and touch .

### To delete all data

Follow the steps for “Deleting a group name” until “STEP 4”. Touch  on the “Outgoing Calls” screen. To delete all incoming call history data, touch , and touch . Check that everything is correct, and touch .


## Changing the security settings


You can disable certain hands-free system functions. Use the security settings when you do not wish other people to see the registered data, for example when having the vehicle valet parked at a hotel.


To enable or disable security, the security code (4 digits) is required. The default code is “0000”. Be sure to change the security code before use.

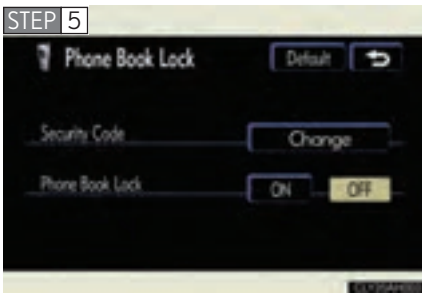
### ■ Changing the security code

**STEP 1** Press  .

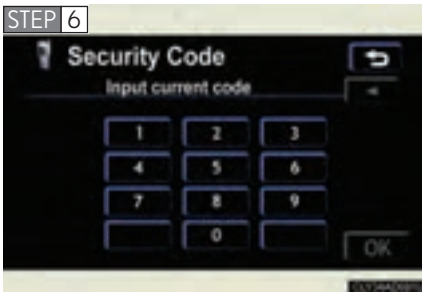
**STEP 2** Touch  on the “Information” screen.


**STEP 3** Touch  on the “Telephone” screen.


**STEP 4** Touch  on the “Settings” screen.



Touch  in the “Security Code” section.



Input the current security code, and touch  .


**STEP 7** Input the new security code, and touch  . A confirmation message will appear.


**STEP 8** If everything is correct, touch  .

### ■ Enabling security

**STEP 1** Press  .

**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.


**STEP 4** Touch  on the “Settings” screen.

**STEP 5** Touch  in the “Phone Book Lock” section of the “Phone Book Lock” screen.


**STEP 6** Input the security code, and touch  .

### ■ Setting the security code to default


**STEP 1** Press  .

**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** Touch  on the “Settings” screen.

**STEP 5** Touch  on the “Phone Book Lock” screen.

**STEP 6** Input the security code on the “Security Code” screen, and touch  . A confirmation message will appear.

**STEP 7** If everything is correct, touch  .

### ■ If “Phone Book Lock” is set

If the security code is input and “Phone Book Lock” is set, the following functions are locked:

- Display of the phone book screen and transferring, registering, editing and deleting the phone book data
- Display of the speed dial screen, registering, deleting the speed dial and speed dialing
- Display of the other party's name for calls being received or made
- Display of the dialed numbers screen and incoming call screen, deleting the dialed numbers and received numbers
- Display of the phone information screen
- Changing the security code

The speed dial screen is not displayed while driving.

### ■ When changing the security code


- Be sure to choose a number difficult for strangers to guess.
- Do not forget the security code. Even your Lexus dealer will be unable to disable the security. If you do forget the code, initialize all personal data. (→P. 259)


## Setting a Bluetooth® phone

### ■ Selecting a Bluetooth® phone

If multiple Bluetooth® phones are registered, follow the procedure below to select the Bluetooth® phone to be used. You may only use one phone at a time.

**STEP 1** Press .


**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.





Touch .



Select the phone to be used, and touch .

If no phones are registered, “Empty” will be displayed.

If “Bluetooth\* connection successful” is displayed, registration was successful.

If another Bluetooth® phone is already connected, a confirmation message is displayed. Touch  or .


\*: Bluetooth is a registered trademark of Bluetooth SIG, Inc.


### ■ Displaying Bluetooth® information


You can check the device address and device name.

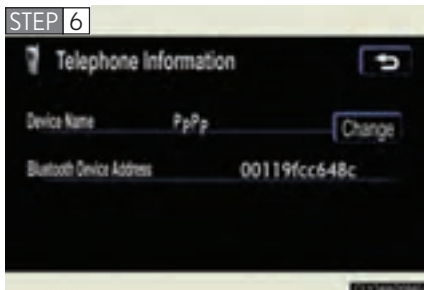
STEP 1 Press .


STEP 2 Touch  on the “Information” screen.

STEP 3 Touch  on the “Telephone” screen.

STEP 4 Touch  on the “Settings” screen.

STEP 5 On the “Select Telephone” screen, select the desired phone and touch .





To change the device name, touch  in the “Device Name” section, and input the name on the “Name” screen (max. 20 characters).


### ■ To change the Bluetooth® settings

You can change the device name and passkey.

STEP 1 Press .

STEP 2 Touch  on the “Information” screen.

STEP 3 Touch  on the “Telephone” screen.

STEP 4 Touch  on the “Settings” screen.






To change the device name, touch **Change** in the “Device Name” section, and input the name on the “Name” screen (max. 20 characters).


To change the passkey, touch **Change** in the “Passkey” section, and input 4 - 8 digits on the “Passkey” screen.

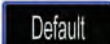
### ■ Setting the Bluetooth® settings to default

**STEP 1** Press .

**STEP 2** Touch  on the “Information” screen.

**STEP 3** Touch  on the “Telephone” screen.

**STEP 4** Touch  on the “Settings” screen.


**STEP 5** Touch  on the “Bluetooth\* Settings” screen, and a confirmation message will be displayed.


**STEP 6** If everything is correct, touch .


\*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

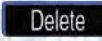
■ To delete the Bluetooth® settings


STEP 1 Press  .



STEP 2 Touch  on the “Information” screen.

STEP 3 Touch  on the “Telephone” screen.

STEP 4 Touch  on the “Settings” screen.

STEP 5 Touch  in the “Bluetooth\* Telephone” section of the “Bluetooth\* Settings” screen.

STEP 6 On the “Delete Telephone” screen, select the phone to delete.  
To check the device address, touch  .

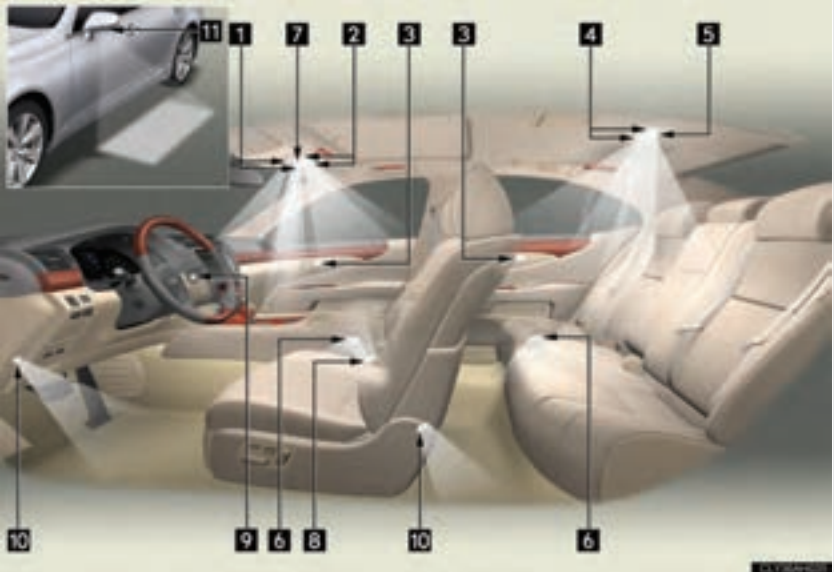
STEP 7 If you touch  , a confirmation message is displayed. If everything is correct, touch  .

\*: Bluetooth is a registered trademark of Bluetooth SIG. Inc.

## 3-6. Using the interior lights

### Interior lights list

Your Lexus is equipped with the illuminated entry system to assist in entering the vehicle. Owing to the function of the system, the lights shown in the following illustration automatically turn on/off according to the presence of the electronic key, whether the doors are locked/unlocked, whether the doors are opened/closed, and the “POWER” switch mode.



- 1 Front personal lights (→P. 433)
- 2 Front interior lights (→P. 433)
- 3 Inside door handle lighting
- 4 Rear personal lights (→ P. 433)
- 5 Rear interior light
- 6 Door courtesy lighting
- 7 Shift lever lighting (when the “POWER” switch is in “ACC” or “ON” mode)

- 8 Seat belt buckle lighting
- 9 "POWER" switch lighting
- 10 Footwell lighting
- 11 Outer foot lights

## Interior lights



- 1 "OFF"
- 2 Door position on/off
- 3 "ON"

## Personal lights

### ► Front



- 1 On/off

### ► Rear (without rear seat entertainment system)



- 1 On/off

► Rear (with rear seat entertainment system)



1 On/off

■ To prevent the 12-volt battery from being discharged

If the interior lights remain on when the door is not fully closed and the interior light switch (door position on/off) is on, the lights will go off automatically after 20 minutes.

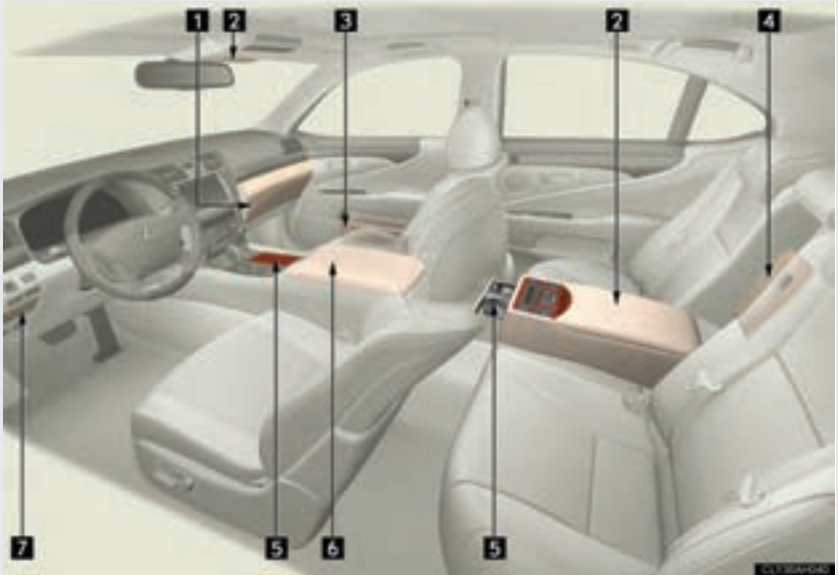
■ Customization

Settings (e.g. The time elapsed before lights turn off) can be changed. (→P. 661)

## 3-7. Using the storage features

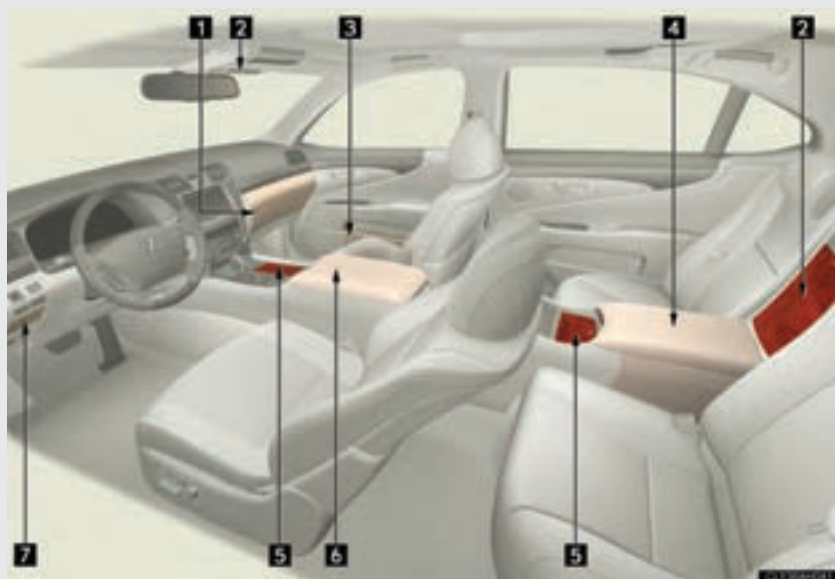
### List of storage features

#### ► 5-seat models



- 1 Glove box
- 2 Auxiliary boxes
- 3 Door pockets
- 4 Cool box/auxiliary box (if equipped)
- 5 Cup holders
- 6 Console box
- 7 Coin holder

► 4-seat models



- 1 Glove box
- 2 Auxiliary boxes
- 3 Door pockets
- 4 Cool box
- 5 Cup holders
- 6 Console box
- 7 Coin holder



## Glove box



- 1 Open (push button)
- 2 Lock with the mechanical key
- 3 Unlock with the mechanical key

### ■ Trunk opener main switch

The trunk opener main switch is located in the glove box. (→ P. 69)

### ⚠ CAUTION

#### ■ Caution while driving

Keep the glove box closed.  
Injuries may result in the event of an accident or sudden braking.

### Coin holder



Press in the button.

#### CAUTION

##### Caution while driving

Keep the coin holder closed.  
Injuries may result in the event of an accident or sudden braking.

### Door pockets (front)



The front door pockets can be opened and closed.

#### CAUTION

##### Caution while driving

Keep the door pockets closed.  
Injuries may result in the event of an accident or sudden braking.

## Cup holders

### ► Front



Press down and release the right side of the cup holder lid.

### ► Rear (5-seat models)



Press in and release the cup holder.

### ► Rear (4-seat models)



Press in and release the button.

**⚠ CAUTION****■ Items unsuitable for the cup holder**

Do not place anything other than cups or aluminum cans in the cup holders. Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury. If possible, cover hot drinks to prevent burns.

**■ When not in use**

Keep the cup holders closed. Injuries may result in the event of an accident or sudden braking.

**Console box**

- 1 Slide the armrest while pushing the knob.
- 2 Lift the armrest.

**■ Tray in the console box**

The tray can be raised backward.

**■ Opening and closing assist function**

When the console box is opened or closed partway, this function will apply force in the appropriate direction, helping open or close the console box.

 **CAUTION****■ Caution while driving**

Keep the console box closed.

Injuries may result in the event of an accident or sudden braking.

 **NOTICE****■ Tray**

Do not insert items exceeding the height of the tray. Doing so may prevent opening and closing of the lid.

### Cool box/auxiliary box (if equipped)

Your vehicle is equipped with either a cool box or auxiliary box, depending on the grade.

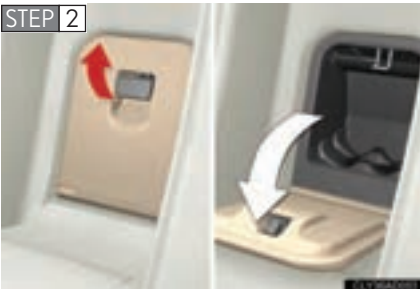
► 5-seat models

STEP 1



Pull down the armrest.

STEP 2



Pull the lever.

STEP 3



Open the cool air intake lid.

► 4-seat models



Pull up the lever to release the lock and lift the lid.




Open the cool air intake lid.

### ■ Operating conditions (cool box)

#### ▶ 5-seat models



- The rear air conditioning system is on.
-  is displayed on the rear control panel.

#### ▶ 4-seat models





### ■ Using a cool box as a storage compartment

#### ▶ 5-seat models



Close the cool air intake lid to turn off the cool box system.

#### ▶ 4-seat models



Close the cool air intake lid to turn off the cool box system.

### ■ Items unsuitable for the cool box

- Drinks in unsealed containers
- Fragile items, perishables or anything with strong odor

### ⚠ CAUTION

#### ■ Caution while driving

Always keep the cool box closed to reduce the chance of injury in case of an accident or sudden stop.

## Auxiliary boxes

### ► Overhead



Press in the button.

This box is useful for temporarily storing sunglasses and similar small items.

### ► Rear seat (5-seat models)



STEP 1

Pull down the armrest.



STEP 2

1 Press the button to release the lock.

2 Lift the lid.

► Rear console box (4-seat models)



Press in the lid.

This box is useful for storing DVD discs and headphones.

**⚠ CAUTION**

■ **Items that should not be left in the auxiliary box (overhead type)**

Do not leave glasses or lighters in the box.

If the interior of the vehicle becomes hot, lighters may explode and glasses may warp or crack.

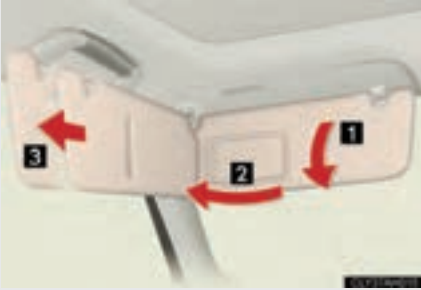
■ **Caution while driving**

Do not leave the auxiliary box open while driving.

Items may fall out and cause death or serious injury in case of an accident or sudden stop.

### 3-8. Other interior features

## Sun visors



- 1 Forward position:  
Flip down.
- 2 Side position:  
Flip down, unhook, and swing to the side.
- 3 Side extender:  
Place in side position, then slide backward.

## Vanity mirrors

► Front



Slide the cover to open.

The light turns on when the cover is opened.

► Rear



Press the button to open.

The vanity light turns on.

 NOTICE

■ **When not in use**

Keep the rear vanity mirror closed.

■ **To prevent the 12-volt battery from being discharged**

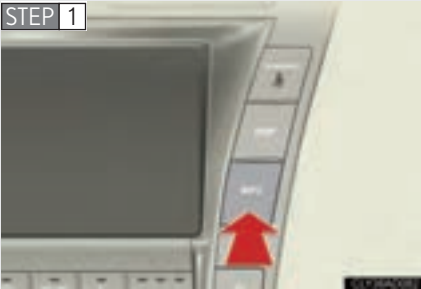
Do not leave the vanity lights on for extended periods while the hybrid system is off.

## 3-8. Other interior features

# Clock

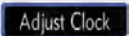
The clock is displayed when the “POWER” switch is in “ACC” or “ON” mode. Perform the following procedure to adjust the clock:

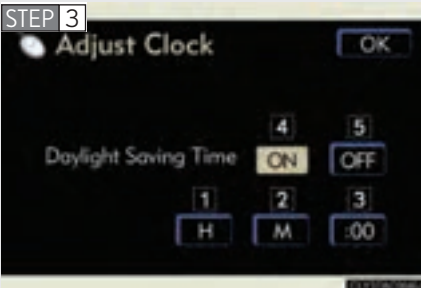
► Vehicles without navigation system




STEP 1

Press  .

STEP 2 Touch  .



STEP 3

- 1 Adjusts the hour
  - 2 Adjusts the minutes
  - 3 Rounds to the nearest hour\*
  - 4 Turns daylight saving time on
  - 5 Turns daylight saving time off
- After setting, touch  .

\*: e.g. 1:00 to 1:29 → 1:00  
1:30 to 1:59 → 2:00

- ▶ Vehicles with navigation system  
Refer to “Navigation System Owner’s Manual.”

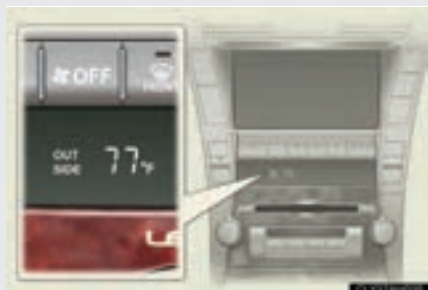
- 
- **When the 12-volt battery is disconnected**  
The time display will automatically be set to 1:00.

### 3-8. Other interior features

## Outside temperature display

The displayed temperature ranges from  $-40^{\circ}\text{F}$  ( $-40^{\circ}\text{C}$ ) up to  $122^{\circ}\text{F}$  ( $50^{\circ}\text{C}$ ) when the “POWER” switch is in “ON” mode.

► For U.S.A.



► For Canada



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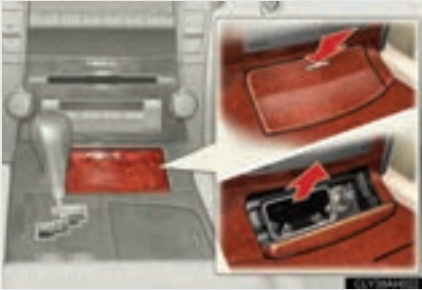
#### ■ When “- -” or “E” is displayed

The system may be malfunctioning. Take your vehicle to your Lexus dealer.



## Ashtrays

► Front



Push the front part of the lid to open. Push the lid again to close.

To remove, pull the ashtray upwards.

► Rear



Open the ashtray lid.

To remove, pull the ashtray upwards.

**⚠ CAUTION**

■ **When not in use**

Keep the ashtray closed.

Injuries may result in the event of an accident or sudden braking.

■ **To prevent fire**

● Fully extinguish matches and cigarettes before putting them in the ashtray, then make sure the ashtray is fully closed.

● Do not place paper or any other type of flammable object in the ashtray.

## 3-8. Other interior features

### Cigarette lighters

#### ► Front



Push the front part of the lid to open, and push the cigarette lighter down.

The cigarette lighter will pop up when it is ready for use.

#### ► Rear (5-seat models)



Push the cigarette lighter.

The cigarette lighter will pop out when it is ready for use.

#### ► Rear (if equipped)




Open the auxiliary box and push the cigarette lighter.

The cigarette lighter will pop out when it is ready for use.

#### ■ The cigarette lighter can be used when

The "POWER" switch is in "ACC" or "ON" mode.

 **CAUTION****■ To avoid burns or fires**

- Do not touch the metal parts of the cigarette lighter.
- Do not hold the cigarette lighter down. It could overheat and cause a fire.
- Do not insert anything other than the cigarette lighter into the outlet.

**■ When not in use**

Keep the ashtray closed.

Injuries may result in the event of an accident or sudden braking.

## 3-8. Other interior features

### Power outlets

The power outlet can be used for the following components:

12V: Accessories that run on less than 10 A

115 VAC: Audio devices that use less than 100 W

► Inside the console (12V)



► Inside the armrest (12V)\*



\*: If equipped

▶ On the back surface of the console (115VAC)\*



**1** Main switch

To use the power outlet, turn on the power outlet.

**2** Power outlet socket

\*: If equipped

■ The power outlet can be used when

▶ 12 V

The "POWER" switch is in "ACC" or "ON" mode.

▶ 115 VAC

The "POWER" switch is in "ON" mode.

 NOTICE

■ **To avoid damaging the power outlet**

Close the power outlet lid when the power outlet is not in use.  
Foreign objects or liquids that enter the power outlet may cause a short circuit.

■ **To prevent the fuse from being blown**

▶ **12 V**

Do not use an accessory that uses more than 12 V 10 A.

▶ **115 VAC**

Do not use a 115 VAC appliance that requires more than 100 W.

If a 115 VAC appliance that consumes more than 100 W is used, the protection circuit will cut the power supply.

■ **To prevent the 12-volt battery from being discharged**

Do not use the power outlet longer than necessary when the hybrid system is off.

■ **Appliances that may not operate properly (115 VAC)**

The following 115 VAC appliances may not operate properly even if their power consumption is under 100 W:

- Appliances with high initial peak wattage
- Measuring devices that process precise data
- Other appliances that require an extremely stable power supply

## Heated steering wheel

The heated steering wheel can be used to heat the leather portion of the steering wheel.



### On/off

The indicator light comes on when the heater is operating.

#### ■ Operating condition

The "POWER" switch is in "ON" mode.

#### ■ Timer

The heated steering wheel will automatically turn off after about 30 minutes.

#### ■ If the indicator light flashes

Press the button to turn the heated steering wheel off and then press the button again. If the indicator light still flashes, a malfunction may be occurring. Turn the heated steering wheel off and have the vehicle inspected by your Lexus dealer.

 **CAUTION**

■ **Burns**

Only appropriately qualified and capable non-impaired persons should operate the vehicle. However, care should be taken to prevent injury if anyone in the following categories comes into contact with the steering wheel when the heated steering wheel is on:

- Babies, small children, the elderly, the sick and the disabled
- Persons with sensitive skin
- Persons who are fatigued
- Persons who have taken alcohol or drugs that induce sleep (sleeping drugs, cold remedies, etc.)

 **NOTICE**

■ **To prevent the 12-volt battery from being discharged**

Turn the switch off when the hybrid system is off.



## Climate control seats/seat heaters

The temperature of the seats can be adjusted individually.

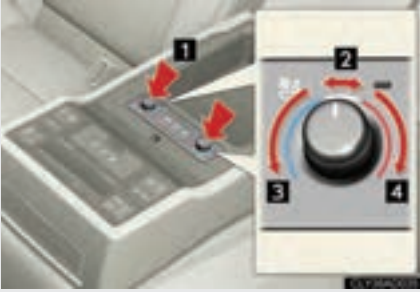
### ■ Front climate control seats



- 1 Press the knob to release it, and turn the knob to the desired temperature setting.
- 2 Off  
Press the knob to lock it when not in use.
- 3 Ventilation
- 4 Cool air
- 5 Warm air

■ Rear climate control seats (if equipped)

▶ 5-seat models



**1** Press the knob to turn the system on, and turn the knob to the desired temperature setting.

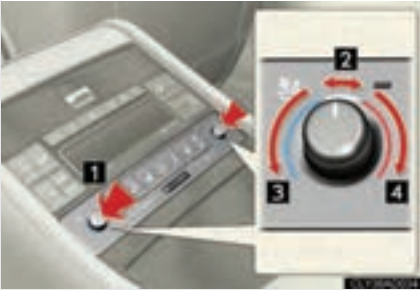
Press the knob again to turn the system off.

**2** Ventilation

**3** Cool air

**4** Warm air

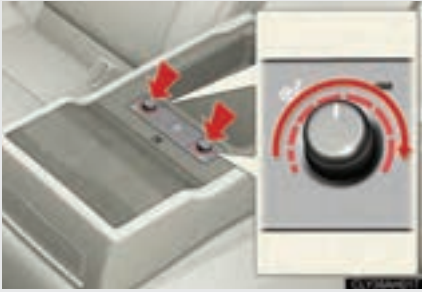
▶ 4-seat models



The rear climate control seats can also be turned on and off from the front seats.



### ■ Rear seat heaters (if equipped)



Press the knob to turn the system on, and turn the knob to the desired temperature setting.

The further you turn the knob clockwise, the warmer the seat temperature becomes. Press the knob again to turn the system off.



The rear seat heaters can also be turned on and off from the front seats.

### ■ Operating condition

The "POWER" switch is in "ON" mode.

### ■ Replacing the air filters

Filters are installed in the climate control seats. For replacement of the filters, contact your Lexus dealer.

 **CAUTION**

■ **Burns/excessive cooling**

- Use caution when seating the following persons in a seat to avoid the possibility of burns or excessive cooling:
  - Babies, small children, elderly persons, sick persons and persons with a physical disability
  - Persons who have sensitive skin
  - Persons who are fatigued
  - Persons who have taken alcohol or drugs which induce sleep, such as sleeping drugs and cold remedies
- Do not cover the seat with anything when using the climate control seat or seat heater. Using the climate control seat or seat heater with a blanket or cushion may increase or decrease the temperature of the seat, resulting in overheating or overcooling.
- Do not use the climate control seat or seat heater more than necessary. Doing so may cool the occupants excessively or may cause minor burns or overheating.

 **NOTICE**

■ **To prevent damage to the climate control seat and seat heater**

Do not put heavy objects that have an uneven surface on the seat and do not stick sharp objects, such as needles and nails, into the seat.

■ **To prevent the 12-volt battery from being discharged**

Do not leave the system on longer than necessary when the hybrid system is off.

### 3-8. Other interior features

## Armrest (5-seat models)



Pull the armrest down for use.

#### NOTICE

- **To prevent damage to the armrest**  
Do not place too much strain on the armrest.

### 3-8. Other interior features

## Rear seat relaxation system (4-seat models)

Pneumatic chambers and vibration units built into the right-hand rear seat provide the occupant with 3 speeds and intensities of pressure and 7 speeds of vibration.



- 1 "ON/OFF" - turns the system on and off  
If no buttons are selected for about 3 minutes, the system will automatically turn off.
- 2 "SHIATSU" - starts the "SHIATSU" program
- 3 "STRETCH" - starts the "STRETCH" program
- 4 "SHOULDER" - starts manual operation for the upper back
- 5 "BACK" - starts manual operation for the lower back
- 6 "INTENSITY" - adjusts the intensity of air pressure
- 7 "SPEED" - adjusts the speed of the air unit
- 8 "VIB." - turns the vibration on and off

📌 “VIB. SPEED” - adjusts the vibration speed

The vibration function can be operated along with the “SHIATSU”, “STRETCH”, “BACK” or “SHOULDER” function. If these functions are operated together, pressing either the “VIB”. button or the previously selected button (“SHIATSU”, “STRETCH”, “BACK” or “SHOULDER”) stops the corresponding operation.

■ **Programmed operations**

- “SHIATSU”  
Partial pressure for the whole back
- “STRETCH”  
Stretches and relaxation of the whole back

■ **Timer function**

Each operation will automatically stop about 15 minutes after it starts.

■ **Operating condition**

The “POWER” switch is in “ON” mode.

 **CAUTION**

■ **Using the rear seat relaxation system**

- Those who are pregnant, have recently given birth, or suffer from ailments requiring rest (heart disease etc.) should consult a doctor before use.
- Do not allow children to use the relaxation function.
- Do not use immediately after a meal or for an extended period of time.
- If you feel sick while using the relaxation function, immediately discontinue use.

### 3-8. Other interior features

## Retractable table (4-seat models)



Slide the lever to raise the table.

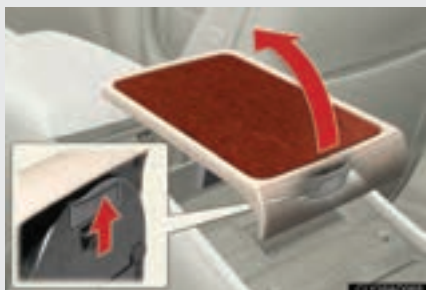


Pull the table up and pull down the table.



The position of the table can be changed. Before using the table, make sure that the table is securely locked.

When the table is in use, the front seats will stop if they are going to contact the table.  
(→P. 75)



When returning the table, pull it up while pulling the lock release lever.



 **CAUTION****■ When not in use**

To avoid injury, return the table.

**■ Caution while driving**

Keep the table stowed properly in its place. In the event of an accident, contact with the table may result in death or serious injury.

**■ When using the table**

Observe the following precautions. Failure to do so may result in death or serious injury.

- Make sure the table is securely locked.
- Do not lean on the table.
- Do not put anything heavier than 22 lb. (10 kg) on the table.

 **NOTICE****■ To prevent damage to the table**

Do not place too much strain on the table.

### 3-8. Other interior features

## Rear sunshade

The rear sunshade can be raised and lowered by operating any of the buttons shown below.

- ▶ From front seat



Extend/retract

- ▶ From rear seat (5-seat models)



- ▶ From rear seat (4-seat models)



### ■ The rear sunshade can be used when

The "POWER" switch is in "ON" mode.

### ■ Operating the rear sunshade after turning the hybrid system off

The rear sunshade can be operated for approximately 60 seconds even after the "POWER" switch is turned to "ACC" or "OFF" mode.

### ■ Reverse operation feature

To ensure adequate rear visibility, the rear sunshade automatically lowers when the shift lever is shifted to "R".

However, the rear sunshade is raised again if any of the following occurs:

- The button is pressed again.
- The shift lever is shifted to "P".
- The shift lever is shifted out of "P" or "R", and the vehicle reaches a speed of 9 mph (15 km/h).

If the hybrid system is off when the rear sunshade has been lowered due to the reverse operation feature, it will not be raised even when the hybrid system is turned on again and the vehicle reaches a speed of 9 mph (15 km/h). To raise the sunshade again, press the button.

### ■ Button lock function

To prevent inadvertent operation, some buttons on the rear armrest can be locked. (→P. 287)

## CAUTION

### ■ When the rear sunshade is being raised or lowered

Do not place fingers or any objects in the shade mechanism or in the opening as injury may result.

 NOTICE

■ **To prevent the 12-volt battery from being discharged**

Do not operate the rear sunshade when the hybrid system is off.

■ **To ensure normal operation of the sunshade**

Observe the following precautions:

- Do not place excessive load on the motor or other components.
- Do not place objects where they may hinder opening and closing operations.
- Do not attach items to the rear sunshade.
- Keep the opening clean and clear of obstructions.
- Do not operate the rear sunshade continuously for long periods of time.

### 3-8. Other interior features

## Rear door sunshades (if equipped)

The rear door sunshades can be extended and retracted by operating any of the buttons shown below.

► From front seat



Extend/retract

The rear door sunshades can be extended only when both left and right rear door sunshades are retracted. Pressing the button with either side retracted will cause both sides to be retracted.

► From rear seat (5-seat models)



Extend/retract

► From rear seat (4-seat models)



Extend/retract

### ■ Operating conditions

- The "POWER" switch is in "ON" mode.
- The rear windows are fully closed.  
The rear door sunshades automatically retract when the rear windows are opened.

### ■ Operating the rear door sunshades after turning the hybrid system off

The rear door sunshades can be operated for approximately 60 seconds even after the "POWER" switch is turned to "ACC" or "OFF" mode.

### ■ Jam protection function

If an object becomes caught between a rear door sunshade and the window frame, the jam protection function will cause the sunshade to detach from its drive mechanism and retract.

- ▶ If the jam protection function operates when extending the rear door sunshades

Pressing the button will reconnect the sunshade.

Pressing the button again will allow the sunshades to be operated.

If the sunshade does not operate after the button is pressed, press the button again.

- ▶ If the jam protection function operates when retracting the rear door sunshades


Press and hold the button to re-extend the rear door sunshades, and continue pressing for more than 5 seconds after the sunshades have fully extended and stopped.

### ■ Button lock function

To prevent inadvertent operation, some buttons on the rear armrest can be locked. (→P. 287)

### ■ When reconnecting the 12-volt battery

The rear door sunshades will always be retracted the first time the button is pressed.

 **CAUTION****■ When the rear door sunshades are being extended or retracted**

Do not place fingers or any objects in the shade mechanism or in the opening as injury may result.

**■ Jam protection function**

Never use any part of your body to intentionally activate the jam protection function.

 **NOTICE****■ To prevent the 12-volt battery from being discharged**

Do not operate the rear door sunshades when the hybrid system is off.

**■ To ensure normal operation of the sunshades**

Observe the following precautions:

- Do not place excessive load on the motor or other components.
- Do not place objects where they may hinder opening and closing operations.
- Do not attach items to the rear door sunshades.
- Keep the opening clean and clear of obstructions.
- Do not operate the rear door sunshades continuously for long periods of time.

### 3-8. Other interior features

## Coat hooks

- ▶ Without rear air conditioning system



To use the coat hook, push it on.

- ▶ With rear air conditioning system



### CAUTION

#### ■ Items that must not be hung on the hook

Do not hang a coat hanger or other hard or sharp objects on the hook. If the SRS curtain shield airbags deploy, these items may become projectiles that cause death or serious injury.



## Floor mat

Securely place a mat that matches the size of the space on the carpet.



Secure the floor mat using the hooks provided.

### CAUTION

#### ■ When inserting the floor mat

Make sure the floor mat is properly placed on the floor carpet. If the floor mat slips and interferes with the movement of the pedals during driving, it may cause an accident.

### 3-8. Other interior features

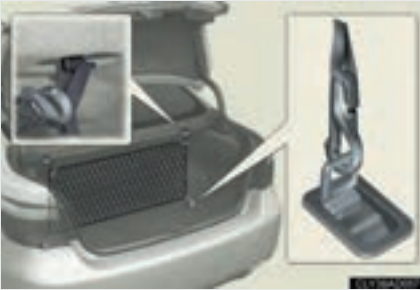
## Trunk features

#### ■ Cargo net



The cargo net is provided for securing loose items on the floor or items inside the trunk.

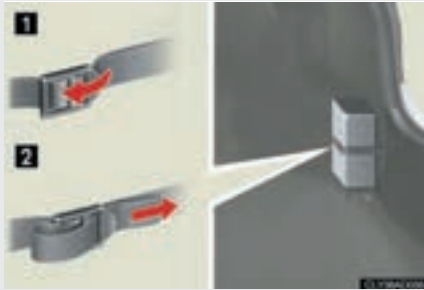
Raise the cargo hooks on the floor. Hook the net on the cargo hooks.



#### ■ Shopping bag hooks



### ■ First-aid kit storage belt



1 Loosen

2 Tighten

### ■ Luggage mat



Pull the lever upwards when lifting the luggage mat up.



The lever can be hooked on the edge of the trunk.

### ⚠ CAUTION

#### ■ When the cargo net is not in use

To avoid injury, always return the cargo hooks on the floor to their stowed positions.

 NOTICE

■ **When closing the trunk**

Do not leave the luggage mat lever hooked on the edge of the trunk.  
The luggage mat may get damaged.

## Garage door opener

The garage door opener can be programmed to operate garage doors, gates, entry doors, door locks, home lighting systems, security systems, and other devices.

The garage door opener (HomeLink® Universal Transceiver) is manufactured under license from HomeLink®.

### Programming HomeLink® (for U.S.A. owners)

The HomeLink® compatible transceiver in your vehicle has 3 buttons which can be programmed to operate 3 different devices. Refer to the programming method below appropriate for the device.



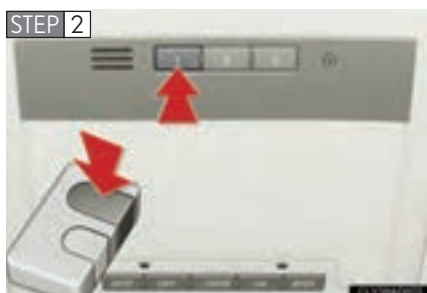
- 1 Indicator
- 2 Buttons

### ■ Programming HomeLink®



Point the remote control transmitter for the device 1 to 3 in. (25 to 75 mm) from the HomeLink® buttons.

Keep the HomeLink® indicator light in view while programming.



Press and hold one of the HomeLink<sup>®</sup> buttons and the transmitter button. When the HomeLink<sup>®</sup> indicator light changes from a slow to a rapid flash, you can release both buttons.

If the HomeLink<sup>®</sup> indicator light comes on but does not flash, flashes rapidly for 2 seconds and remains lit, the HomeLink<sup>®</sup> button is already programmed. Use the other buttons or follow the “Reprogramming a HomeLink<sup>®</sup> button” instructions. (→P. 484)



Test the HomeLink<sup>®</sup> operation by pressing the newly programmed button.

If a HomeLink<sup>®</sup> button has been programmed for a garage door, check to see if the garage door opens and closes. If the garage door does not operate, see if your remote control transmitter is of the rolling code type. Press and hold the programmed HomeLink<sup>®</sup> button. The remote control transmitter is of the rolling code type if the HomeLink<sup>®</sup> indicator light flashes rapidly for 2 seconds and then remains lit. If your transmitter is of the rolling code type, proceed to the heading “Programming a rolling code system”.

**STEP 4** Repeat the steps above to program another device for each of the remaining HomeLink<sup>®</sup> buttons.

### ■ Programming a rolling code system

If your device is rolling code equipped, follow the steps under the heading “Programming HomeLink®” before proceeding with the steps listed below.

**STEP 1** Locate the training button on the ceiling mounted garage door opener motor. The exact location and color of the button may vary by brand of garage door opener motor.

Refer to the operation manual supplied with the garage door opener motor for the location of the training button.

**STEP 2** Press the training button.

Following this step, you have 30 seconds in which to initiate step 3 below.

**STEP 3** Press and hold the vehicle's programmed HomeLink® button for 2 seconds and release it. Repeat this step once again. The garage door may open.

If the garage door opens, the programming process is complete. If the door does not open, press and release the button a third time. This third press and release will complete the programming process by opening the garage door.

The ceiling mounted garage door opener motor should now recognize the HomeLink® signal and operate the garage door.

**STEP 4** Repeat the steps above to program another rolling code system for any of the remaining HomeLink® buttons.

### ■ Programming an entry gate (for U.S.A. owners)/Programming all devices in the Canadian market

**STEP 1** Place your transmitter 1 to 3 in. (25 to 75 mm) away from the surface of the HomeLink®.

Keep the HomeLink® indicator light in view while programming.

**STEP 2** Press and hold the selected HomeLink® button.

**STEP 3** Repeatedly press and release (cycle) the device's remote control button for two seconds each until step 4 is completed.

**STEP 4** When the indicator light on the HomeLink® compatible transmitter starts to flash rapidly, release the buttons.

**STEP 5** Test the operation of the HomeLink<sup>®</sup> by pressing the newly programmed button. Check to see if the gate/device operates correctly.

**STEP 6** Repeat the steps above to program another device for each of the remaining HomeLink<sup>®</sup> buttons.

### ■ Programming other devices

To program other devices such as home security systems, home door locks or lighting, contact your authorized Lexus dealer for assistance.

### ■ Reprogramming a button

The individual HomeLink<sup>®</sup> buttons cannot be erased but can be reprogrammed. To reprogram a button, follow the “Reprogramming a HomeLink<sup>®</sup> button” instructions.

## Operating HomeLink<sup>®</sup>

Press the appropriate HomeLink<sup>®</sup> button. The HomeLink<sup>®</sup> indicator light should come on.

The HomeLink<sup>®</sup> compatible transceiver in your vehicle continues to send a signal for up to 20 seconds as long as the button is pressed.

## Reprogramming a HomeLink<sup>®</sup> button

Press and hold the desired HomeLink<sup>®</sup> button. After 20 seconds, the HomeLink<sup>®</sup> indicator light will start flashing slowly. Next, while still pressing and holding the HomeLink<sup>®</sup> button, press and hold the button on the transmitter until the HomeLink<sup>®</sup> indicator light changes from a slow to a rapid flash.



## Erasing the entire HomeLink® memory (all three programs)



Press and hold the 2 outside buttons for 10 seconds until the indicator light flashes.

If you sell your vehicle, be sure to erase the programs stored in the HomeLink® memory.

### ■ Before programming

- Install a new battery in the remote control transmitter.
- The battery side of the remote control transmitter must be pointed away from the HomeLink® button.

### ■ Certification for the garage door opener

This device complies with Part 15 of the FCC Rules and with RSS-210 of the IC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

**WARNING:** This transmitter has been tested and complies with FCC and IC rules. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

 **CAUTION**

■ **When programming a garage door or other remote control devices**

The garage door or other devices may operate, so ensure people and objects are out of danger to prevent potential harm.

■ **Conforming to federal safety standards**

Do not use the HomeLink<sup>®</sup> compatible transceiver with any garage door opener or device that lacks safety stop and reverse features as required by federal safety standards.

This includes any garage door that cannot detect an interfering object. A door or device without these features increases the risk of death or serious injury.

## Lexus Link System (if equipped)

The Lexus Link System is a communication service that uses the Global Positioning System (GPS) data and cellular service to provide you with safety, security and convenience. This system is only operational in GPS and cellular coverage areas. Button operation and voice commands are used to operate the system. To operate the system, follow the voice guidance instructions. For details about service and subscription, call the Lexus Link Call Center at 1-800-25-LEXUS (1-800-255-3987) (toll-free).

### ■ Buttons



- 1 Voice keypad button
- 2 Volume control
- 3 Phone button
- 4 "SERVICES" button
- 5 Emergency button

### ■ Services

The Lexus Link System offers the following services:

- Airbag deployment notification (→P. 489)
- Emergency assistance (→P. 489)
- Stolen vehicle location assistance (→P. 490)
- Remote horn/lights and remote door lock/unlock (→P. 490)
- Advisor record (→P. 491)
- Personal calling (→P. 491)
- Other services (→P. 490)

Operating the Lexus Link System during a Bluetooth® phone call will terminate the Bluetooth phone call.

## Safety information for the Lexus Link System

Important! Read this information before using the Lexus Link System.

### ■ Exposure to radio frequency signals

The Lexus Link System to be installed in your vehicle is a low power radio transmitter and receiver. When the “POWER” switch is in “ON” mode, it receives and also sends out radio frequency (RF) signals.

In August 1996, the Federal Communications Commission (FCC) adopted RF exposure guidelines with safety levels for mobile wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies.

- ANSI (American National Standards Institute) C95.1 [1992]
- NCRP (National Council on Radiation Protection and Measurement) Report 86 [1986]
- ICNIRP (International Commission on Non-Ionizing Radiation Protection) [1996]

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. Over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C95.1).

The design of the Lexus Link System complies with the FCC guidelines in addition to those standards.

## Indicator and warning lights



### 1 Operation indicator light

The operation indicator light will go off a short time after your subscription expired.

### 2 Warning light


If the warning light (red light) comes on, have the vehicle inspected by your Lexus dealer.

## Airbag deployment notification

If an airbag deploys, an emergency call is automatically placed to the Lexus Link Call Center, and your vehicle's location is identified. The Lexus Link Advisor will attempt to contact you and assess the situation. The Advisor can quickly contact the nearest emergency services provider, describe the situation and request that assistance be sent to your location.

The Lexus Link Advisor can, if requested, connect you to an emergency services operator.

## Emergency assistance

When you press  button, a priority call is placed to the Lexus Link Call Center with your vehicle's location. At the Call Center, the Lexus Link Advisor can determine your vehicle's location, communicate with you, and, if appropriate, contact the nearest emergency service provider.

If you have accidentally pressed the button, tell the Lexus Link Advisor that you are not experiencing an emergency.

### Stolen vehicle location assistance

If your vehicle is stolen, call the Lexus Link Call Center at 1-800-25-LEXUS (1-800-255-3987) (toll-free) and select the option for Lexus Link.

To protect subscribers' privacy, the location of a vehicle will not be provided to anyone other than a law enforcement authority.

### Remote horn/lights and remote door lock/unlock


The remote operations are performed by contacting the Lexus Link Call Center from the outside of the vehicle. When necessary, call the Lexus Link Call Center at 1-800-25-LEXUS (1-800-255-3987) (toll-free) and select the option for Lexus Link.

- If you forget to lock the vehicle or you are locked out, the Lexus Link Call Center can send a signal to lock or unlock the vehicle remotely.
- If you forget where you parked the vehicle, such as in a large parking lot, the Lexus Link Call Center can send a signal to flash the headlights and sound the horn to help you locate the vehicle.

When contacting the Lexus Link Call Center from the outside of the vehicle, you need the Lexus Link PIN (Personal Identification Number). Write the PIN down and carry it with you.



Ability to locate stolen vehicles and lock/unlock doors and activate horn/lights will vary with conditions. Lexus Link is unable to remotely lock doors when the electronic key is left inside the vehicle and is unable to remotely unlock doors when the "POWER" switch is in "ACC" or "ON" mode.

### Other services

Press  in the vehicle or call the Lexus Link Call Center at 1-800-25-LEXUS (1-800-255-3987) (toll-free), and then select the option for Lexus Link. The services provided will depend on the service plan level.

## Advisor record

### ■ Recording a conversation with an advisor

Press  to record a conversation. To stop recording, press  again.


- Up to 2 minutes of recording time is available.
- Recording a new conversation deletes the previously recorded conversation.

### ■ Playing the recorded conversation

**STEP 1** Press  or .

**STEP 2** Say “Advisor playback”.

Press the button again to stop the playback.

To restart the playback, press , say “Advisor playback” and then select either of the following methods:

- Say “Resume” to resume the playback.
- Say “Play” to start from the beginning.

## Personal calling from OEM telematic services

The Lexus Link System provides access to personal calling, a hands-free phone service provided by OEM telematic services. You can purchase a package of minutes that works best for you. As you make and receive calls, minutes are deducted from your plan. They are easily billed to a credit card that is kept on file so no separate phone bill is needed.

Personal calling universal voice recognition commands:


- **“Help”** The system will provide a list of available commands.
- **“Clear”** When you are entering digits, this command will erase the last digit entered.
- **“Cancel”** This command takes you from the current function to the “Lexus Link ready” prompt. If the last response from the system was “Lexus Link ready”, this command will exit voice mode.

Voice recognition command error message:

- **“Pardon”** The system responds with this message if the system does not recognize your voice command properly. Say the command slowly again. After the third time this happens, the system will try to guess the command you are requesting. If correct, say “Yes”. If not, say “No”, and the system will prompt you with its next-best guess.
- **“Slower please”** The system responds with this message if you say a command before the system is ready to listen or if your voice command cannot be recognized because of substantial background noise. Try to wait slightly longer before speaking.

### ■ There are 5 ways to make a call.

#### ► Dialing a specific phone number

**STEP 1** Press . When the system responds with “Lexus Link ready”, say “Dial”.

**STEP 2** When the system responds with “Phone number to dial, please”, say the entire number you wish to dial without pausing.


**STEP 3** The system will repeat the number and ask “Yes or No”.

**STEP 4** Say “Yes” (or “No” to try again).

**STEP 5** The system responds with “Dialing”. (Your call will then be connected.)

#### ► Dialing digit-by-digit (“Digit Dial”)

“Digit Dial” enables you to dial a phone number by individual digit. This is helpful when there is background noise and also improves voice recognition.

**STEP 1** Press . When the system responds with “Lexus Link ready”, say “Digit Dial”.

**STEP 2** When the system responds with “Digit please”, say the first digit of the number to be dialed and wait for it to be repeated back to you.

**STEP 3** Continue one digit at a time until all digits are entered.




**STEP 4** When finished, say “Dial”. The system responds with “Dialing” and your call is placed.

If you have problems storing a number using the continuous number method, you can store numbers one digit at a time using “Digit Store”. Simply follow the instructions above for “Digit Dial”, except say “Digit Store” in STEP 1 and “Store” in STEP 4.

► Dialing a phone number saved as a nametag

A nametag is a convenient way to store important or frequently called phone numbers for easy access at any time. To do this, choose a frequently-called number to store, the example below uses your home telephone number.

● How to store a nametag

**STEP 1** Press . When the system responds with “Lexus Link ready”, say “Store”.

**STEP 2** When the system responds with “Phone number to store, please”, say the entire number you wish to store with no pauses. The system will repeat the number and ask “Yes or No”.

**STEP 3** Say “Yes” (or “No” to try again).

**STEP 4** When the system responds with “Nametag, please”, say “My home”.

**STEP 5** When the system responds with “About to store my home. Does that sound OK?”, say “Yes” (or “No” to try again).

**STEP 6** The system responds with “Storing my home”.


-The system can store up to 20 nametags.

-Try to use multi-syllable nametags such as “my home” and “the office”.

-Try to avoid similar-sounding nametags like “Tim” and “Kim”.

When using the “Dial” and “Store” commands, the system will recognize 7-, 10-, and 11-digit phone numbers. When dialing or storing a phone number, you can say “zero” or “oh” for 0.


### ● How to place a call using a stored nametag

**STEP 1** Press . When the system responds with “Lexus Link ready”, say “Call”.

**STEP 2** When the system responds with “Nametag, please”, say a nametag.

**STEP 3** The system responds with “Calling nametag”.


### ● How to hear a list of your stored nametags

**STEP 1** Press . When the system responds with “Lexus Link ready”, say “Directory”.

**STEP 2** The system will list your nametags.


### ▶ Dialing the last number you called (“Redial”)

You can dial the last number you called by using the “Redial” feature.

**STEP 1** Press . When the system responds with “Lexus Link ready”, say “Redial”.


**STEP 2** The system will respond with “Redialing [#]”.

### ▶ Dialing a number a Lexus Link Advisor downloaded to your vehicle

**STEP 1** Press . When the system responds with “Lexus Link ready”, say “Number recall”.

**STEP 2** The system will respond with “Connecting to number recall”.

### ■ Receiving a call


When someone calls you, you will hear a ring tone. Press  to answer the call.

If you do not answer within 30 seconds, the system will terminate the incoming call.

### ■ Ending a call


When your call is finished, press  to end the call.

## ■ Accessing voicemail and sending number tones to an automated phone system


You can access a voicemail system and respond to number request from an automated phone system. When you receive the request for a number while in a call, press  after saying the numbers one at a time, say “Dial”.

If you do not say any commands within 5 seconds after pressing the button, or if you press the button twice, the system cannot receive the number tones you are trying to send. Press the button to try again.

## ■ How to retrieve your phone number


**STEP 1** Press . When the system responds with “Lexus Link ready”, say “My number”.

**STEP 2** The system responds with “Your number is [#]”.

If the response is “Personal calling unavailable”, this means your personal calling feature is not yet active; this may take a few days from vehicle delivery. It could also mean that personal calling service is not available in your area. Press  to check with an Advisor. Now that you have your number, take a moment to practice by making your first call to your home phone. Remember, the system recognizes numbers better when you say them quickly.

## ■ Verifying remaining units (minutes)


► To verify remaining minutes

**STEP 1** Press . When the system responds with “Lexus Link ready”, say “Units”.

**STEP 2** When the system responds with “Verify or add”, say “Verify”.

**STEP 3** The system responds with “You have [#] units remaining”.

► To add more calling units (minutes)

**STEP 1** Press . When the system responds with “Lexus Link ready”, say “Units”.


**STEP 2** When the system responds with “Verify or add”, say “Add”.

**STEP 3** The system responds with “Connecting to the Personal Calling Center”.

### ■ Security code/locking your system

The personal calling function can be locked using a 4-digit security code. While the system is locked, it is only possible to communicate with the Lexus Link Call Center.

To turn on/off the security

- STEP 1** Press . When the system responds with “Lexus Link ready”, say “Security”.
  - STEP 2** When the system responds with “Enter first digit of code, please”, say your 4-digit code one digit at a time.
  - STEP 3** After the fourth digit, the system responds with “Security (code ####) is now on/off”.
- 


### ■ Speech recognition information

The Lexus Link speech recognition systems use speech technology that is designed to understand a wide range of speakers of American English. However, the technology may not work as well if a regional or ethnic accent is encountered. If the speech recognition system does not work properly, refer to the following:

- The system does not recognize your command properly if noise is present. Perform the following to improve voice command recognition:
  - Turn down or off the air conditioning system.
  - Slow down to reduce wind noise.
  - Close the windows and the moon roof to block outside noise.
  - Have all occupants be quiet so that the system does not recognize their conversation as a command.
- When to speak

Say a command within 5 seconds after the system prompts you to speak.
- How to speak
  - Speak forcefully and clearly.
  - Speak calmly and naturally.
  - The driver should speak while facing forward, and the passenger should speak facing the inside rear view mirror.
  - Avoid speaking with a rising intonation. Use a flat or falling intonation.

- Tips for one-word commands
  - The system recognizes only one word at a time for personal calling. (There are some exceptions, such as “Advanced services” and “My number”.)
  - When inputting the security codes or voice-activated keypad number, you must say them one digit at a time. When inputting a phone number, the speech recognition system can recognize 7-, 10-, and 11-digit numbers as well as the number 911.
- Tips for entering a phone number using the “Dial” and “Store” commands
  - You do not need to say “Dial”, “Store” or “Verify” after the phone number.
  - If the phone number entered is not 7-, 10-, or 11-digits, use the “Dial” or “Store” command.
  - Do not pause between the digits.
  - Speech recognition does not recognize the words “Hundred” or “Thousand”. Instead, say each digit.
  - Speech recognition often works better when the digits are combined smoothly into a single phrase.
  - If the system does not recognize your command properly, use the “Digit dial” command to enter one digit at a time.
- If problems continue
  - Say each one of the syllables in the word clearly.
  - Be sure to articulate each sound in the word.
  - If the system is confusing 2 commands that are similar, be sure to pronounce the distinction.
  - Avoid clipping short words and syllables.
  - Try speaking louder to prevent background noise from drowning out your voice.
- Audible voice prompts

Some of the voice guidance instructions can be changed to Spanish. Press  and ask a Lexus Link Advisor.

### ■ Information on Advanced Services

See the Lexus Link area of the Lexus website at [www.lexus.com/lexuslink/](http://www.lexus.com/lexuslink/) or call the Lexus Link Call Center at 1-800-255-LEXUS (1-800-255-3987) (toll-free) for more information.

### ■ Certification for the Lexus Link System

FCC ID: SCWTR-423-A2

#### NOTE:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference received, including interference that may cause undesired operation.

### CAUTION

#### ■ FCC WARNING

Changes or modifications in construction not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Radio Frequency Exposure. This device is approved for Mobile Application only and, to comply with applicable FCC radio frequency exposure regulations, must be used with a distance of at least 7.9 in. (20 cm) between the antenna and the body of any person at all time during use.

<b>4-1. Maintenance and care</b> .....	<b>500</b>	Checking and replacing fuses .....	554
Cleaning and protecting the vehicle exterior .....	500	Headlight aim .....	574
Cleaning and protecting the vehicle interior .....	503	Light bulbs .....	577
<b>4-2. Maintenance</b> .....	<b>506</b>		
Maintenance requirements .....	506		
General maintenance .....	508		
Emission inspection and maintenance (I/M) programs .....	511		
<b>4-3. Do-it-yourself maintenance</b> .....	<b>512</b>		
Do-it-yourself service precautions .....	512		
Hood .....	515		
Positioning the jack .....	516		
Engine compartment .....	518		
12-volt battery .....	531		
Tires .....	535		
Tire inflation pressure .....	543		
Wheels .....	547		
Air conditioning filter .....	549		
Electronic key battery .....	552		

# Cleaning and protecting the vehicle exterior

Perform the following to protect the vehicle and maintain it in prime condition:

- Working from top to bottom, liberally apply water to the vehicle body, wheel wells and underside of the vehicle to remove any dirt and dust.  
Wash the vehicle body using a sponge or soft cloth, such as a chamois.
- For hard-to-remove marks, use car wash soap and rinse thoroughly with water.
- Wipe away any water.
- Wax the vehicle when the waterproof coating deteriorates.

If water does not bead on a clean surface, apply wax when the vehicle body is cool.

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### ■ Automatic car washes

- Fold the mirrors before washing the vehicle.
- Brushes used in automatic car washes may scratch the vehicle surface and harm your vehicle's paint.
- Turn the wipers off before washing the vehicle.

### ■ High pressure automatic car washes

Do not allow the nozzles of the car wash to come within close proximity of the windows. Before entering an automatic car wash, check that the fuel filler door on your vehicle is closed properly.



### ■ Aluminum wheels

Remove any dirt immediately by using a neutral detergent. Do not use hard brushes or abrasive cleaners. Do not use strong or harsh chemical cleaners. Use the same mild detergent and wax as used on the paint.

### ■ Bumpers and side moldings

Do not scrub with abrasive cleaners.

### ■ To prevent deterioration and body corrosion

- Wash the vehicle immediately in the following cases:
  - After driving near the sea coast
  - After driving on salted roads
  - If you see coal tar or tree sap on the paint surface
  - If you see dead insects, insect droppings or bird droppings on the paint
  - After driving in an area contaminated with soot, oily smoke, mine dust, iron powder or chemical substances
  - If the vehicle becomes heavily soiled in dust or mud
  - If liquids such as benzene and gasoline are spilled on the paint surface
- If the paint is chipped or scratched, have it repaired immediately.

### CAUTION

#### ■ Caution about the exhaust pipes and rear bumper diffusers

Exhaust gasses cause the exhaust pipes and rear bumper diffusers to become quite hot.

When washing the vehicle, be careful not to touch the pipes and diffusers until they have cooled sufficiently, as touching hot exhaust pipes and rear bumper diffusers can cause burns.

 NOTICE

■ **To protect your vehicle's painted surfaces**

Do not use organic cleaners such as benzene or gasoline.

■ **Cleaning the exterior lights**

- Wash carefully. Do not use organic substances or scrub with a hard brush. This may damage the surfaces of the lights.
- Do not apply wax on the surfaces of the lights. Wax may cause damage to the lenses.

■ **When using an automatic car wash**



Set the wiper switch to "OFF".  
If the wiper switch is in "AUTO", the wipers may operate and the wiper blades may be damaged.

# Cleaning and protecting the vehicle interior

The following procedures will help protect your vehicle's interior and keep it in top condition:

### ■ Protecting the vehicle interior

Remove dirt and dust using a vacuum cleaner. Wipe dirty surfaces with a cloth dampened with lukewarm water.

### ■ Cleaning the leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe any excess dirt and dust with a soft cloth dampened with diluted detergent.

Use a diluted water solution of approximately 5% neutral wool detergent.

- Wring out any excess water from the cloth and thoroughly wipe off all remaining traces of detergent.
- Wipe the surface with a dry, soft cloth to remove any remaining moisture. Allow the leather to dry in shaded and ventilated area.

### ■ Synthetic leather areas

- Remove loose dirt using a vacuum cleaner.
- Apply a mild soap solution to the synthetic leather using a sponge or soft cloth.
- Allow the solution to soak in for a few minutes. Remove the dirt and wipe off the solution with a clean, damp cloth.

### ■ Cleaning the inside of the rear window

Do not use glass cleaner to clean the rear window, as this may cause damage to the rear window defogger heater wires or antenna. Use a cloth dampened with lukewarm water to gently wipe the window clean. Wipe the window in strokes running parallel to the heater wires or antenna.

### ■ Caring for leather areas

Lexus recommends cleaning the interior of the vehicle at least twice a year to maintain the quality of the vehicle's interior.

### ■ Shampooing the carpets

There are several commercial foaming-type cleaners available. Use a sponge or brush to apply the foam. Rub in overlapping circles. Do not apply water. Excellent results are obtained when keeping the carpet as dry as possible.

### ■ Seat belts

Clean with mild soap and lukewarm water using a cloth or sponge. Also check the belts periodically for excessive wear, fraying or cuts.

### CAUTION

#### ■ Water in the vehicle

- Do not splash or spill liquid on the floor, hybrid battery (traction battery) air vents or in the trunk.  
Doing so may cause the hybrid battery, electrical components, etc. to malfunction or catch fire.
- Do not get any of the SRS components or wiring in the vehicle interior wet.  
(→P. 122)  
An electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or severe injury.

 NOTICE**■ Cleaning detergents**

Do not use the following types of detergent, as they may discolor the vehicle interior or cause streaks or damage to painted surfaces:

- Non-seat portions: Organic substances such as benzene or gasoline, alkaline or acidic solutions, dye, or bleach
- Seats: Acidic solutions, such as thinner, benzene, or alcohol

**■ Preventing damage to leather surfaces**

Observe the following precautions to avoid damage to and deterioration of leather surfaces.

- Remove any dust or dirt on leather surfaces immediately.
- Do not expose the vehicle to direct sunlight for extended periods of time. Park the vehicle in the shade, especially during summer.
- Do not place items made of vinyl, plastic, or that contain wax on the upholstery, as they may stick to the leather surface if the vehicle interior heats up significantly.

**■ Water on the floor**

Do not wash the vehicle floor with water.

Vehicle systems such as the audio system may be damaged if water comes into contact with electrical components under the floor of the vehicle, and may also cause the body to rust.

**■ Cleaning the inside of the rear window**

Be careful not to scratch or damage the heater wires or antenna.

# Maintenance requirements

To ensure safe and economical driving, day-to-day care and regular maintenance are essential. It is the owner's responsibility to perform regular checks. Lexus recommends the following maintenance:

### ■ General maintenance

Should be performed on a daily basis. This can be done by yourself or by a Lexus dealer.

### ■ Scheduled maintenance

Should be performed at specified intervals according to the maintenance schedule.

For details about maintenance items and schedules, refer to the "Warranty and Service Guide", "Owner's Manual Supplement" or "Scheduled Maintenance".

### ■ Do-it-yourself maintenance

You can perform some maintenance procedures yourself.

Please be aware that do-it-yourself maintenance may affect warranty coverage.

The use of Lexus repair manuals is recommended.

For details about warranty coverage, refer to the separate "Owner's Guide", "Warranty and Service Guide", "Owner's Manual Supplement" or "Warranty Booklet".

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### ■ Repair and replacement

It is recommended that genuine Lexus parts be used for repair to ensure performance of each system. If non-Lexus parts are used in replacement or if a repair shop other than a Lexus dealer performs repairs, confirm the warranty coverage.

**■ Allow inspection and repairs to be performed by a Lexus dealer**

- Lexus technicians are well-trained specialists and are kept up to date with the latest service information. They are well informed about the operations of all systems on your vehicle.
- Keep a copy of the repair order. It proves that the maintenance that has been performed is under warranty coverage. If any problem should arise while your vehicle is under warranty, your Lexus dealer will promptly take care of it.

**⚠ CAUTION****■ Warning in handling of 12-volt battery**

- Engine exhaust, some of its constituents, and a wide variety of automobile components contain or emit chemicals known to the State of California to cause cancer and birth defects and other reproductive harm. Work in a well ventilated area.
- Oils, fuels and fluids contained in vehicles as well as waste produced by component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Avoid exposure and wash any affected area immediately.
- 12-volt battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P. 533)
- Used engine oil contains chemicals that have been shown to cause cancer in laboratory animals. Avoid prolonged and repeated contact. Always protect your skin by washing thoroughly with soap and water.

## 4-2. Maintenance

### General maintenance

Listed below are the general maintenance items that should be performed at the intervals specified in the “Warranty and Service Guide” or “Owner’s Manual Supplement”. It is recommended that any problem you notice should be brought to the attention of your Lexus dealer or qualified service shop for advice.

#### Engine compartment

Items	Check points
Brake fluid	At the correct level? (→P. 529)
Coolant	At the correct level? (→P. 526)
Engine oil	At the correct level? (→P. 521)
Exhaust system	No fumes or strange sounds?
Radiator/condenser/hoses	Not blocked with foreign matter? (→P. 529)
Washer fluid	At the correct level? (→P. 530)

#### Luggage compartment

Items	Check points
12-volt battery	Check the connections. (→P. 531)



## Vehicle interior

Items	Check points
Accelerator pedal	<ul style="list-style-type: none"> <li>• Moves smoothly (without uneven pedal effort or catching)?</li> </ul>
Transmission “Park” mechanism	<ul style="list-style-type: none"> <li>• Can the vehicle be held securely on an incline with the shift lever in “P”?</li> </ul>
Brake pedal	<ul style="list-style-type: none"> <li>• Moves smoothly?</li> <li>• Does it have appropriate clearance and correct amount of free play?</li> </ul>
Brakes	<ul style="list-style-type: none"> <li>• No pull to one side when applied?</li> <li>• Loss of brake effectiveness?</li> <li>• Spongy feeling brake pedal?</li> <li>• Pedal almost touches floor?</li> </ul>
Head restraints	<ul style="list-style-type: none"> <li>• Move smoothly and lock securely?</li> </ul>
Indicators/buzzers	<ul style="list-style-type: none"> <li>• Function properly?</li> </ul>
Lights	<ul style="list-style-type: none"> <li>• Do all the lights come on?</li> <li>• Headlights aimed correctly? (→P. 574)</li> </ul>
Parking brake	<ul style="list-style-type: none"> <li>• Moves smoothly?</li> <li>• Can hold the vehicle securely on an incline?</li> </ul>
Seat belts	<ul style="list-style-type: none"> <li>• Does the seat belt system operate smoothly?</li> <li>• Are the belts undamaged?</li> </ul>
Seats	<ul style="list-style-type: none"> <li>• Do the seat controls operate properly?</li> </ul>

Items	Check points
Steering wheel	<ul style="list-style-type: none"> <li>• Moves smoothly?</li> <li>• Has correct free play?</li> <li>• No strange noises?</li> </ul>

### Vehicle exterior

Items	Check points
Doors/trunk	<ul style="list-style-type: none"> <li>• Operate smoothly?</li> </ul>
Engine hood	<ul style="list-style-type: none"> <li>• The lock system works properly?</li> </ul>
Fluid leaks	<ul style="list-style-type: none"> <li>• Is there any leakage after parking?</li> </ul>
Tires	<ul style="list-style-type: none"> <li>• Inflation pressure is correct?</li> <li>• Tire surfaces not worn or damaged?</li> <li>• Tires rotated according to the maintenance schedule?</li> <li>• Wheel nuts are not loose?</li> </ul>

### CAUTION

**■ If the hybrid system is operating**

Turn the hybrid system off and ensure that there is adequate ventilation before performing maintenance checks.

# Emission inspection and maintenance (I/M) programs

Some states have vehicle emission inspection programs which include OBD (On Board Diagnostics) checks. The OBD system monitors the operation of the emission control system.

### ■ If the malfunction indicator lamp comes on

The OBD system determines that a problem exists somewhere in the emission control system. Your vehicle may not pass the I/M test and may need to be repaired. Contact your Lexus dealer to service the vehicle.

### ■ Your vehicle may not pass the I/M test in the following situations

- When the 12-volt battery is disconnected or discharged

Readiness codes that are set during ordinary driving are erased. Also, depending on your driving habits, the readiness codes may not be completely set.

- When the fuel tank cap is loose

The malfunction indicator lamp comes on as a temporary malfunction and your vehicle may not pass the I/M test.

### ■ When the malfunction indicator lamp goes off after several driving trips

The error code in the OBD system will not be cleared unless the vehicle is driven 40 or more times.

### ■ If your vehicle does not pass the I/M test

Contact your Lexus dealer to prepare the vehicle for re-testing.

## 4-3. Do-it-yourself maintenance

### Do-it-yourself service precautions

If you perform maintenance by yourself, be sure to follow the correct procedure given in these sections.

Items	Parts and tools
12-volt battery condition (→P. 531)	<ul style="list-style-type: none"><li>• Grease</li><li>• Conventional wrench (for terminal clamp bolts)</li></ul>
Brake fluid level (→P. 529)	<ul style="list-style-type: none"><li>• FMVSS No.116 DOT 3 or SAE J1703 brake fluid</li><li>• Rag or paper towel</li><li>• Funnel (used only for adding brake fluid)</li></ul>
Engine/power control unit coolant level (→P. 526)	<ul style="list-style-type: none"><li>• “Toyota Super Long Life Coolant” or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology. For the U.S.A.: “Toyota Super Long Life Coolant” is pre-mixed with 50% coolant and 50% deionized water. For Canada: “Toyota Super Long Life Coolant” is pre-mixed with 55% coolant and 45% deionized water.</li><li>• Funnel (used only for adding engine coolant)</li></ul>

Items		Parts and tools
Engine oil level	(→P. 521)	<ul style="list-style-type: none"> <li>• “Toyota Genuine Motor Oil” or equivalent</li> <li>• Rag or paper towel, funnel (used only for adding engine oil)</li> </ul>
Fuses	(→P. 554)	<ul style="list-style-type: none"> <li>• Fuse with same amperage rating as original</li> </ul>
Tire inflation pressure	(→P. 543)	<ul style="list-style-type: none"> <li>• Tire pressure gauge</li> <li>• Compressed air source</li> </ul>
Headlight aim	(→P. 574)	<ul style="list-style-type: none"> <li>• Phillips-head screwdriver</li> </ul>
Radiator and condenser	(→P. 529)	—
Washer fluid	(→P. 530)	<ul style="list-style-type: none"> <li>• Water or washer fluid containing antifreeze (for winter use)</li> <li>• Funnel</li> </ul>

### CAUTION

The engine compartment contains many mechanisms and fluids that may move suddenly, become hot, or become electrically energized. To avoid death or serious injury, observe the following precautions:

#### ■ When working on the engine compartment

- Make sure that the indicator on the “POWER” switch and the “READY” indicator are both off.
- Keep hands, clothing, and tools away from the moving fans and engine drive belt.
- Be careful not to touch the engine, power control unit, radiator, exhaust manifold, etc. right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper or rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel. Fuel fumes are flammable.

 **CAUTION**

■ **When working near the electric cooling fan or radiator grille**

Be sure the "POWER" switch is "OFF" mode.

With the "POWER" switch in "ON" mode, the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P. 529)

■ **Safety glasses**

Wear safety glasses to prevent flying or falling material, fluid spray, etc. from getting in the eyes.

 **NOTICE**

■ **If you remove the air cleaners**

Driving with the air cleaners removed may cause excessive engine wear due to dirt in the air. Also a backfire could cause a fire in the engine compartment.

## 4-3. Do-it-yourself maintenance

### Hood

Release the lock from the inside of the vehicle to open the hood.

STEP 1



Pull the hood release lever.

The hood will pop up slightly.

STEP 2



Lift the hood catch and lift the hood.

#### CAUTION

##### ■ Pre-driving check

Check that the hood is fully closed and locked.

If the hood is not locked properly, it may open while the vehicle is in motion and cause an accident, which may result in death or serious injury.

## 4-3. Do-it-yourself maintenance

### Positioning the jack

When raising your vehicle with the jack, position the jack correctly. Improper placement may damage your vehicle or cause injury.

#### ■ Front



#### ■ Rear



### ⚠ CAUTION

#### ■ When raising your vehicle

Make sure to observe the following to reduce the possibility of death or serious injury:

- Do not put any part of your body or get underneath the vehicle supported only by the jack.  
Always use automotive jack stands on a solid, level surface.
- Do not start the hybrid system while the vehicle is supported by the jack.
- Stop the vehicle on level firm ground, set the parking brake and put the shift lever in "P".

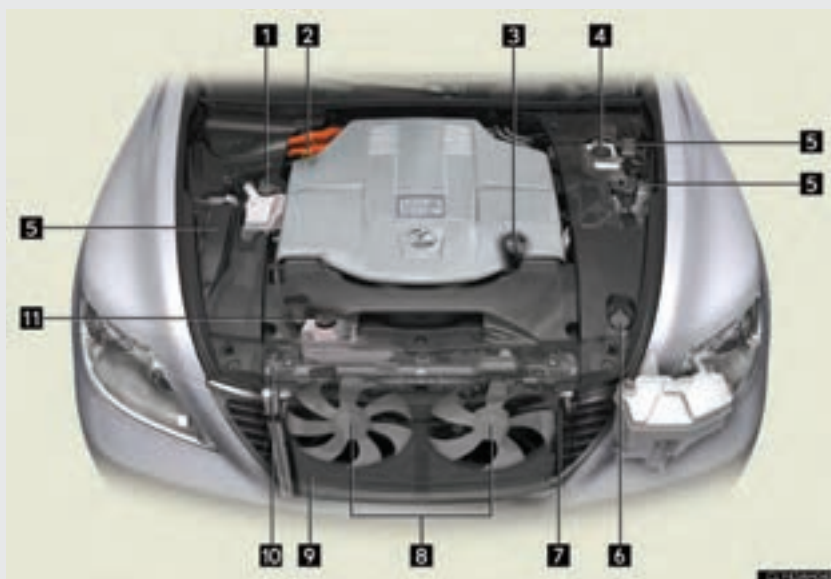


 **CAUTION**

- Make sure to set the jack properly at the jack point.  
Raising the vehicle with an improperly positioned jack will damage the vehicle and may cause the vehicle to fall off the jack.
- Do not raise the vehicle while someone is in the vehicle.
- When raising the vehicle, do not place any objects on top of or underneath the jack.
- Be sure to turn off the height control and stop the hybrid system. Otherwise, the vehicle height may change due to the automatic leveling function. (→P. 218)

## 4-3. Do-it-yourself maintenance

### Engine compartment



- |   |  |
|---|--|
| <b>1</b> Power control unit coolant reservoir (→P. 526) | <b>6</b> Washer fluid tank (→P. 530)                   |
| <b>2</b> Engine oil level dipstick (→P. 521)            | <b>7</b> Power control unit coolant radiator (→P. 529) |
| <b>3</b> Engine oil filler cap (→P. 521)                | <b>8</b> Electric cooling fans                         |
| <b>4</b> Brake fluid reservoir (→P. 529)                | <b>9</b> Condenser (→P. 529)                           |
| <b>5</b> Fuse boxes (→P. 554)                           | <b>10</b> Engine coolant radiator (→P. 529)            |
|   | <b>11</b> Engine coolant reservoir (→P. 526)           |

Engine compartment covers

■ Removing the engine compartment covers

► Outside

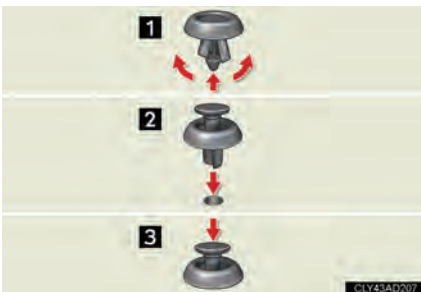


► Front



■ Installing the clips

► Type A



► Type B



 NOTICE

■ **After installing an engine compartment cover**

Make sure that the cover is securely installed in its original position.

## Engine oil

With the engine at operating temperature and turned off, check the oil level on the dipstick.

### ■ Checking the engine oil

**STEP 1** Park the vehicle on level ground. After turning off the hybrid system, wait a few minutes for the oil to drain back into the bottom of the engine.



Hold a rag under the end and pull the dipstick out.

**STEP 3** Wipe the dipstick clean.

**STEP 4** Reinsert the dipstick fully.

**STEP 5** Holding a rag under the end, pull the dipstick out and check the oil level.

**STEP 6** Wipe the dipstick and reinsert it fully.



**1** Low

**2** Full

### ■ Adding engine oil



If the oil level is below or near the low level mark, add engine oil of the same type as already in the engine.

Make sure to check the oil type and prepare the items needed before adding oil.

Oil grade	ILSAC multi-grade engine oil
Item	Clean funnel

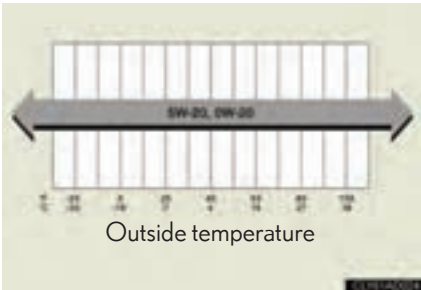
**STEP 1** Remove the oil filler cap.

**STEP 2** Add engine oil slowly, checking the dipstick.

**STEP 3** Install the filler cap, turning it clockwise.

About 1.6 qt. (1.5 L, 1.3 Imp. qt.) is required to raise the oil level from low to full on the dipstick.

### ■ Recommended viscosity



### 5W-20 or 0W-20

SAE 5W-20 or 0W-20 engine oil may be used. However, SAE 0W-20 is the best choice for good fuel economy and good starting in cold weather.

### ■ How to read oil container labels

Some oil containers are labeled with ILSAC certification marks that help you to select the proper oil.



### ■ Engine oil consumption

- The amount of engine oil consumed depends on the oil viscosity, the quality of the oil and the way the vehicle is driven.
- More oil is consumed under driving conditions such as high speeds, frequent acceleration and deceleration.
- A new engine consumes more oil.
- When judging the amount of oil consumption, keep in mind that the oil may have become diluted, making it difficult to judge the true level accurately.
- Oil consumption: Max. 1.1 qt./600 miles, 0.9 Imp.qt./600 miles (1.0 L per 1000 km)
- If your vehicle consumes more than 1.1 qt. (1.0 L, 0.9 Imp.qt.) every 600 miles (1000 km), contact your Lexus dealer.

### ■ After changing the engine oil (if equipped)

The oil change system should be reset. Perform the following procedures:

- STEP 1** Switch the display to the trip meter “A” when the hybrid system is operating. (→P. 178)
- STEP 2** Turn the “POWER” switch to “OFF” mode.
- STEP 3** While pressing the trip meter reset button, turn the “POWER” switch to “ON” mode (but do not start the hybrid system because otherwise the reset mode will be canceled). Press and hold the button until the multi-information display indicates that the reset is complete.



 CAUTION**■ Used engine oil**

- Used engine oil contains potentially harmful contaminants which may cause skin disorders such as inflammation or skin cancer, so care should be taken to avoid prolonged and repeated contact. To remove used engine oil from your skin, wash thoroughly with soap and water.
- Dispose of used oil and filters only in a safe and acceptable manner. Do not dispose of used oil and filters in household trash, in sewers or onto the ground. Call your Lexus dealer, service station or auto parts store for information concerning recycling or disposal.
- Do not leave used engine oil within the reach of children.

 NOTICE**■ To prevent serious engine damage**

Check the oil level on a regular basis.

**■ When replacing the engine oil**

- Be careful not to spill engine oil on the vehicle components.
- Avoid overfilling, or the engine could be damaged.
- Check the oil level on the dipstick every time you refill the vehicle.
- Be sure the engine oil filler cap is properly tightened.

## Coolant

The coolant level is satisfactory if it is between the “FULL” and “LOW” lines on the reservoir when the hybrid system is cold.

► Engine coolant reservoir



**1** Reservoir cap

**2** “FULL”

**3** “LOW”

If the level is on or below the “LOW” line, add coolant up to the “FULL” line. (→P. 630)

► Power control unit coolant reservoir



1 Reservoir cap

2 "FULL"

3 "LOW"

If the level is on or below the "LOW" line, add coolant up to the "FULL" line. (→P. 632)

■ If the coolant level drops within a short time after replenishing

Visually check the radiators, hoses, coolant reservoir caps, drain cock and water pump.

If you cannot find a leak, have your Lexus dealer pressure test the cap and check for leaks in the cooling systems.

■ Coolant selection

Only use "Toyota Super Long Life Coolant" or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology.

U.S.A.: "Toyota Super Long Life Coolant" is a mixture of 50% coolant and 50% deionized water. (Minimum temperature: -31°F [-35°C])

Canada: "Toyota Super Long Life Coolant" is a mixture of 55% coolant and 45% deionized water. (Minimum temperature: -44°F [-42°C])

For more details about coolant, contact your Lexus dealer.

 **CAUTION**

■ **When the hybrid system is hot**

Do not remove the coolant reservoir cap.

The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing burns or other injuries.

 **NOTICE**

■ **When adding the coolant**

Coolant is neither plain water nor straight antifreeze. The correct mixture of water and antifreeze must be used to provide proper lubrication, corrosion protection and cooling. Be sure to read the antifreeze or coolant label.

■ **If you spill coolant**

Be sure to wash it off with water to prevent it from damaging parts or paint.

## Radiator and condenser

Check the radiators and condenser, and clear any foreign objects. If either of the above parts is extremely dirty or you are not sure of their condition, have your vehicle inspected by your Lexus dealer.

### ⚠ CAUTION

#### ■ The radiators and condenser may be hot after driving

Do not touch the radiators or condenser, as they may be hot and you may be burned.

## Brake fluid

### ■ Checking fluid level



The brake fluid level should be between the "MAX" and "MIN" lines on the tank.

### ■ Adding fluid

Make sure to check the fluid type and prepare the necessary item.

Fluid type	FMVSS No.116 DOT 3 or SAE J1703 brake fluid
Item	Clean funnel

### ■ Brake fluid can absorb moisture from the air

Excess moisture in the fluid can cause a dangerous loss of braking efficiency. Use only newly opened brake fluid.

### CAUTION

#### ■ When filling the reservoir

Take care because brake fluid can harm your hands or eyes and damage painted surfaces.

If fluid gets in your eyes, flush your eyes with clean water immediately.

If you still experience discomfort, see a doctor.

### NOTICE

#### ■ If the fluid level is low or high

It is normal for the brake fluid level to go down slightly as the brake pads wear or when the fluid level in the accumulator is high.

If the reservoir needs frequent refilling, it may indicate a serious problem.

## Washer fluid



If any washer does not work or the warning message appears on the multi-information display, the washer tank may be empty. Add washer fluid.

### NOTICE

#### ■ Do not use any fluid other than washer fluid

Do not use soapy water or engine antifreeze instead of washer fluid. Doing so may cause streaking on the vehicle's painted surfaces.

#### ■ Diluting washer fluid

Dilute washer fluid with water as necessary.

Refer to the freezing temperatures listed on the washer fluid tank.

## 4-3. Do-it-yourself maintenance

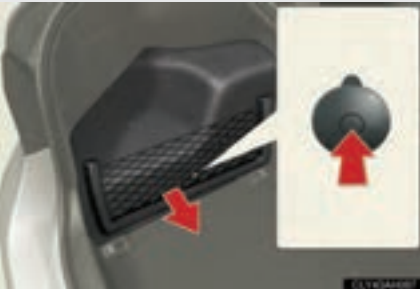
# 12-volt battery

### ■ Location



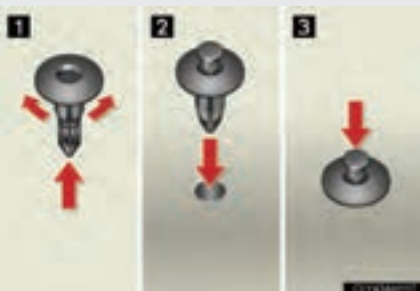
The 12-volt battery is located in the left-hand side of the luggage compartment.

### ■ Removing the 12-volt battery cover



Remove the 12-volt battery cover after removing the clip.

### ■ Installing the clips



### ■ Exterior

Make sure that the 12-volt battery terminals are not corroded and that there are no loose connections, cracks, or loose clamps.



1 Terminals

2 Hold-down clamp

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### ■ Before recharging

When recharging, the 12-volt battery produces hydrogen gas which is flammable and explosive. Therefore, observe the following before recharging:

- If recharging with the 12-volt battery installed on the vehicle, be sure to disconnect the ground cable.
- Make sure the power switch on the charger is off when connecting and disconnecting the charger cables to the 12-volt battery.

### ■ After recharging/reconnecting the 12-volt battery

In some cases, the hybrid system may not start. Follow one or both of the following procedures:

- After opening and closing the driver's door, wait 10 seconds then attempt to start the hybrid system. (If the system does not start first time, repeat the procedure.)
- With the shift lever in "P" and the "POWER" switch in the "OFF" mode, open and close any door, then attempt to start the hybrid system.

If the system will not start even after multiple attempts at both methods, contact your Lexus dealer.



 **CAUTION**
**■ Chemicals in the 12-volt battery**

The 12-volt battery contains poisonous and corrosive sulfuric acid and may produce hydrogen gas which is flammable and explosive. To reduce the risk of death or serious injury, take the following precautions while working on or near the 12-volt battery:

- Do not cause sparks by touching the 12-volt battery terminals with tools.
- Do not smoke or light a match near the 12-volt battery.
- Avoid contact with eyes, skin and clothes.
- Never inhale or swallow electrolyte.
- Wear protective safety glasses when working near the 12-volt battery.
- Keep children away from the 12-volt battery.

**■ Where to safely charge the 12-volt battery**

Always charge the 12-volt battery in an open area. Do not charge the 12-volt battery in a garage or closed room where there is not sufficient ventilation.

**■ How to recharge the 12-volt battery**

Only perform a slow charge (5 A or less). The 12-volt battery may explode if charged at a quicker rate.

**■ Emergency measures regarding electrolyte**

- If electrolyte gets in your eyes  
Flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If possible, continue to apply water with a sponge or cloth while traveling to the nearest medical facility.
- If electrolyte gets on your skin  
Wash the affected area thoroughly. If you feel pain or burning, get medical attention immediately.
- If electrolyte gets on your clothes  
It can soak through clothing on to your skin. Immediately take off the clothing and follow the procedure above if necessary.
- If you accidentally swallow electrolyte  
Drink a large quantity of water or milk. Follow with milk of magnesia, beaten raw egg or vegetable oil. Get emergency medical attention immediately.

### CAUTION

#### ■ When replacing the 12-volt battery

Use a 12-volt battery designed for the LS600hL. Failure to do so may cause gas (hydrogen) to enter the passenger compartment, causing a fire or explosion.

For replacement of the 12-volt battery, contact your Lexus dealer.

### NOTICE

#### ■ When recharging the 12-volt battery

Never recharge the 12-volt battery while the hybrid system is operating. Also, be sure all accessories are turned off.

# Tires

Replace or rotate tires in accordance with maintenance schedules and tread wear.

### ■ Checking tires

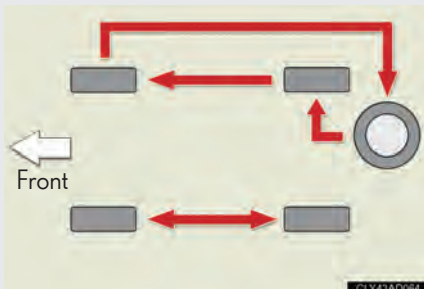


- 1 New tread
- 2 Tread wear indicator
- 3 Worn tread

The location of tread wear indicators is shown by the “TWI” or “Δ” marks, etc., molded on the sidewall of each tire.

Check spare tire condition and inflation pressure if not rotated.

### ■ Tire rotation



Rotate the tires in the order shown.

Lexus recommends tire rotation in accordance with the maintenance schedule to equalize tire wear and extend tire life.

### ■ Tire pressure warning system

Your Lexus is equipped with a tire pressure warning system that uses tire pressure warning valves and transmitters to detect low tire inflation pressure before serious problems arise. (→P. 601, 607)

### Installing tire pressure warning valves and transmitters

When replacing tires or wheels, tire pressure warning valves and transmitters must also be installed. Tire pressure warning valves and transmitters can be installed in any of the following three ways:

- Tire pressure warning valves and transmitters can be removed from the old wheels and installed on the new wheels.
- When replacing only the tire, the tire pressure warning valve and transmitter already installed on the wheel does not need to be replaced.
- Replacing both a wheel and its tire pressure warning valve and transmitter.

When new tire pressure warning valves and transmitters are installed, new tire pressure warning valve and transmitter ID codes must be registered in the computer and tire pressure warning system must be initialized.

### Initializing the tire pressure warning system

■ **The tire pressure warning system must be initialized in the following circumstances:**

- When tire pressure warning valves and transmitters are replaced.
- When driving with the tires inflated to a higher than standard tire pressure.
- When rotating front and rear tires which have different tire inflation pressures.

When the tire pressure warning system is initialized, the current tire pressure is set as the pressure benchmark.

## ■ How to initialize the tire pressure warning system

**STEP 1** Park the vehicle in a safe place and turn off the hybrid system.

While the vehicle is moving, initialization is not performed.

**STEP 2** Adjust the tire inflation pressure to the specified pressure.  
(→P. 644)

**STEP 3** Start the hybrid system.

Make sure to adjust the tire inflation pressure to the specified level. The tire pressure warning system will operate based on this pressure level.

**STEP 4**



Press and hold the tire pressure warning reset switch for at least 3 seconds.

The tire pressure warning light will flash 3 times and a message will be shown on the multi-information display to indicate that initialization has started.

**STEP 5** Wait a few minutes for the multi-information display to show the tire inflation pressures (5 tires), and turn the “POWER” switch to “OFF” mode.

### Registering ID codes

The tire pressure warning valve and transmitter is equipped with a unique ID code. When replacing a tire pressure warning valve and transmitter, it is necessary to register the ID code of the tire pressure warning valve and transmitter. Have the ID code registered by your Lexus dealer.

If the ID code is not registered, the system will not work properly. After more than 20 minutes, the tire pressure warning light blinks to indicate a system malfunction.

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#### ■ When to replace your vehicle's tires

Tires should be replaced if:

- You have tire damage such as cuts, splits, cracks deep enough to expose the fabric or bulges indicating internal damage.
- A tire goes flat repeatedly or cannot be properly repaired due to the size or location of a cut or other damage.

If you are not sure, consult with your Lexus dealer.

#### ■ Tire life

Any tire over 6 years old must be checked by a qualified technician even if they have seldom or never been used or damage is not obvious.

#### ■ If the tread wears down below 0.16 in. (4 mm) on snow tires

The effectiveness of the tires as snow tires is lost.

#### ■ If the tire pressure warning reset switch is pressed while the vehicle is moving

Initialization will not be performed. Before performing initialization, stop the vehicle in a safe place and turn off the hybrid system. (→P. 536)

#### ■ If you press the tire pressure warning reset switch accidentally

If initialization is performed, adjust the tire inflation pressure to the specified level and initialize the system again.

#### ■ When initialization of the tire pressure warning system has failed

Initialization can be completed in a few minutes. However, in the following cases, the settings have not been recorded and the system will not operate properly. If repeated attempts to record tire inflation pressure settings are unsuccessful, have the vehicle inspected by your Lexus dealer.

- When operating the tire pressure warning reset switch, the warning light does not flash and the setting message does not appear on the multi-information display.
- After driving for a certain period of time since initialization has been completed, the warning light flashes.

#### ■ When the tire pressure warning valves and transmitters are removed from the wheels on occasions such as when replacing tires

The tire inflation pressure data updated before servicing is retained.

#### ■ Routine tire inflation pressure checks

The tire pressure warning system does not replace routine tire inflation pressure checks. Make sure to check tire inflation pressure as part of your routine of daily vehicle checks.

#### ■ Maximum load of tire

Check that the maximum load of the replaced tire is greater than 1/2 of the Gross Axle Weight Ratings (GAWR) of either the front axle or the rear axle, whichever is greater.

As for the maximum load of the tire, see the load limit at maximum cold tire inflation pressure mentioned on the sidewall of the tire, and as for the GAWR, see the Certification Label. (→P. 543, 650)

#### ■ Tire types

##### 1 Summer tires

Summer tires are high-speed performance tires best suited to highway driving under dry conditions. Since summer tires do not have the same traction performance as snow tires, summer tires are inadequate for driving on snow-covered or icy roads. For driving on snow-covered roads or icy roads, the use of snow tires is recommended. When installing snow tires, be sure to replace all four tires.

##### 2 All season tires

All season tires are designed to provide better traction in snow and to be adequate for driving in most winter conditions, as well as for use year round. All season tires, however, do not have adequate traction performance compared with snow tires in heavy or loose snow. Also, all season tires fall short in acceleration and handling performance compared with summer tires in highway driving.

### 3 Snow tires

For driving on snow-covered roads or icy roads, we recommend using snow tires. If you need snow tires, select tires of the same size, construction and load capacity as the originally installed tires. Since your vehicle has radial tires as original equipment, make sure your snow tires also have radial construction. Do not install studded tires without first checking local regulations for possible restriction. Snow tires should be installed on all wheels. (→P. 246)

#### ■ Initializing the tire pressure warning system

Initialize the system with the tire inflation pressure adjusted to the specified level.

#### ■ Tire pressure warning system certification

► For vehicles sold in the U.S.A.

##### NOTE:

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

##### NOTICE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

##### FCC WARNING:

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



► For vehicles sold in Canada

**NOTE:**

Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

**⚠ CAUTION**

**■ Tire pressure warning system operation**

The tire pressure warning system may not provide warning immediately if a tire bursts or if sudden air leakage occurs.

**■ When inspecting or replacing tires**

Observe the following precautions to prevent accidents. Failure to do so may cause damage to parts of the drive train, as well as dangerous handling characteristics, which may lead to fatal or injury accidents.

- Do not mix tires of different makes, models, tread patterns or tread wear.
- Do not use tire sizes other than those recommended by Lexus.
- Do not mix radial, bias-belted, or bias-ply tires.
- Do not mix summer, all season and winter tires.
- Do not use tires that have been used on another vehicle.  
Do not use tires if you do not know how they were used previously.

**■ Using tires of a different size**

Do not use tires of a different size from those equipped when the vehicle was new, as the wheel size and steering gear ratio\* are designed for the original tire size. It is dangerous to use an incorrect wheel and tire combination as this may result in reduced vehicle stability.

For example, 245/45R19 tires cannot be used for vehicles originally equipped with 235/50R18 tires.

\*: The angle at which wheels are turned in response to the amount the steering wheel is turned

### CAUTION

#### ■ When initializing the tire pressure warning system

Do not press the tire pressure warning reset switch without first adjusting the tire inflation pressure to the specified level. Otherwise, the tire pressure warning light may not come on even if the tire inflation pressure is low, or it may come on when the tire inflation pressure is actually normal.

### NOTICE

#### ■ Repairing or replacing tires, wheels and tire pressure warning valves and transmitters

- When removing or fitting the wheels, tires or the tire pressure warning valves and transmitters, contact your Lexus dealer as the tire pressure warning valves and transmitters may be damaged if not handled correctly.
- When replacing tires, make sure also to replace the tire pressure warning valve and transmitter grommets.

#### ■ Do not use puncture sealant sprays to repair flats

Puncture sealant sprays may damage tire pressure warning valves and transmitters.

#### ■ Driving on rough roads

Take particular care when driving on roads with loose surfaces or potholes. These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition, driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

#### ■ If tire inflation pressures become low while driving

Do not continue driving, or your tires and/or wheels may be ruined.

## 4-3. Do-it-yourself maintenance

### Tire inflation pressure

#### ■ Tire inflation pressure

The recommended cold tire inflation pressure and tire size are displayed on the tire and loading information label. (→P. 650)



### ■ Inspection and adjustment procedure



- 1 Tire valve
- 2 Tire pressure gauge

**STEP 1** Remove the tire valve cap.

**STEP 2** Press the tip of the tire pressure gauge onto the tire valve.

**STEP 3** Read the pressure using the graduations of the gauge.

**STEP 4** If the tire inflation pressure is not at the recommended level, adjust the pressure.

If you add too much air, press the center of the valve to lower.

**STEP 5** After completing the tire inflation pressure measurement and adjustment, apply soapy water to the valve and check for leakage.

**STEP 6** Reinstall the tire valve cap.

---

### ■ Tire inflation pressure check interval

You should check tire pressure every two weeks, or at least once a month. Do not forget to check the spare tire.

### ■ Effects of incorrect tire inflation pressure

Driving with incorrect tire pressure may result in the following:

- Reduced fuel efficiency
- Reduced driving comfort and tire life
- Reduced safety
- Damage to the drive train

If a tire needs frequent refilling, have it checked by your Lexus dealer.

### ■ Instructions for checking tire inflation pressure

When checking tire inflation pressure, observe the following:

- Check only when the tires are cold.  
If your vehicle has been parked for at least 3 hours and has not been driven for more than 1 mile or 1.5 km, you will get an accurate cold tire inflation pressure reading.
- Always use a tire pressure gauge.  
The appearance of the tire can be misleading. In addition, tire inflation pressures that are even just a few pounds off can degrade ride and handling.
- Do not bleed or reduce tire inflation pressure after driving. It is normal for the tire inflation pressure to be higher after driving.
- Never exceed the vehicle capacity weight.  
Passengers and luggage weight should be placed so that the vehicle is balanced.

### CAUTION

#### ■ Proper inflation is critical to save tire performance

Keep your tires properly inflated. Otherwise, the following conditions may occur and result in an accident causing death or serious injury:

- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Poor sealing of the tire bead
- Wheel deformation and/or tire separation
- A greater possibility of tire damage from road hazards

### NOTICE

#### ■ When inspecting and adjusting tire inflation pressure

Be sure to reinstall the tire valve caps.

Without the valve caps, dirt or moisture could get into the valve and cause air leakage, which could result in an accident. If the caps have been lost, replace them as soon as possible.

# Wheels

If a wheel is bent, cracked or heavily corroded, it should be replaced. Otherwise, the tire may separate from the wheel or cause loss of handling control.

### ■ Wheel selection

When replacing wheels, care should be taken to ensure that they are equivalent to those removed in load capacity, diameter, rim width, and offset.

Replacement wheels are available at your Lexus dealer.

Lexus does not recommend using the following:

- Wheels of different sizes or types
- Used wheels
- Bent wheels that have been straightened

### ■ Aluminum wheel precautions

- Use only Lexus wheel nuts and wrenches designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1000 miles (1600 km).
- Be careful not to damage the aluminum wheels when using tire chains.
- Use only Lexus genuine balance weights or equivalent and a plastic or rubber hammer when balancing your wheels.

### ■ When replacing wheels

The wheels of your Lexus are equipped with tire pressure warning valves and transmitters that allow the tire pressure warning system sensors to provide advanced warning in the event of a loss in tire pressure. Whenever wheels are replaced, the tire pressure warning valves and transmitters must be switched over from the old wheels. (→P. 536)

### CAUTION

#### ■ When replacing wheels

- Do not use wheels that are a different size from those recommended in the Owner's Manual, as this may result in loss of handling control.
- Never use an inner tube in a leaking wheel which is designed for a tubeless tire. Doing so may result in an accident, causing serious injury or death.

### NOTICE

#### ■ Replacing tire pressure warning valves and transmitters

- Because tire repair or replacement may affect the tire pressure warning valves and transmitters, make sure to have tires serviced by your Lexus dealer or other qualified service shop. In addition, make sure to purchase your tire pressure warning valves and transmitters at your Lexus dealer.
- Ensure that only genuine Lexus wheels are used on your vehicle. Tire pressure warning valves and transmitters may not work properly with non-genuine wheels.



## 4-3. Do-it-yourself maintenance

### Air conditioning filter

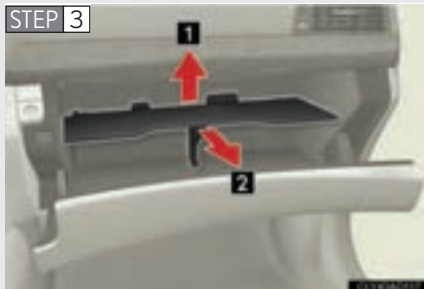
The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

#### ■ Front air conditioning filter

**STEP 1** Set the air conditioning system to recirculated air mode.  
(→P. 266, 275)

The air conditioning filter case cannot be removed with the system in outside air mode.

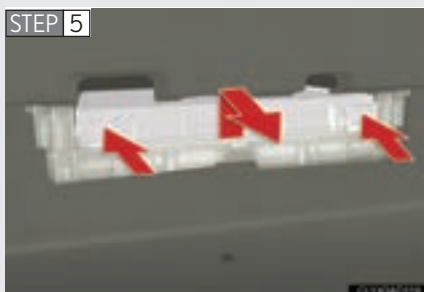
**STEP 2** Turn the “POWER” switch to “OFF” mode.



Open the glove box. Lift and remove the partition.



Remove the filter cover.



Remove the filter case.

**STEP 6**



Remove the air conditioning filter from the filter case and replace it with a new one.

The “↑UP” marks shown on the filter and the filter case should be pointing up.

**STEP 7** Reset the air conditioning filter maintenance data. (→P. 551)

**Rear air conditioning filter (if equipped)**

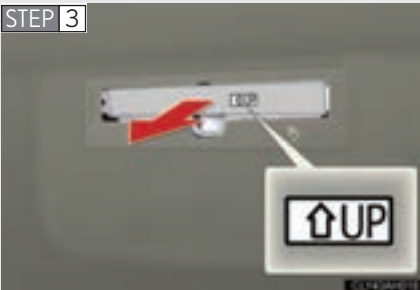
**STEP 1** Turn the “POWER” switch to “OFF” mode.

**STEP 2**



Open the trunk lid. Remove the filter cover.

**STEP 3**



Remove the air conditioning filter and replace it with a new one.

The “↑UP” mark shown on the filter should be pointing up.

### ■ Replacement interval for the front air conditioning filter

Inspect and replace the air conditioning filter when a message appears on the multi-information display. In dusty areas or areas with heavy traffic flow, early replacement may be required.


### ■ If air flow from the vents decreases dramatically

The filter may be clogged. Check the filter and replace if necessary.

### ■ After changing the front air conditioning filter

The air conditioning filter maintenance data should be reset. Perform the following procedures:

**STEP 1** Turn the “POWER” switch to “ON” mode.

**STEP 2** Press and hold  (on the air conditioning panel) for 4 seconds or more.

If the air conditioning filter maintenance data is not reset, a message will be shown on the multi-information display each time the “POWER” switch is turned to “ON” mode.

### ■ Rear air conditioning filter (if equipped)

If it is necessary to clean or replace the filter, contact your Lexus dealer.

### ■ Climate control seat filter

Filters are installed in the seats. When it is necessary to clean or replace the filters, contact your Lexus dealer.

#### NOTICE

### ■ When using the air conditioning system

Make sure that a filter is always installed.

Using the air conditioning system without a filter may cause damage to the system.

## 4-3. Do-it-yourself maintenance

### Electronic key battery

Replace the battery with a new one if it is depleted.

#### ■ You will need the following items:

- Flathead screwdriver
- Small Phillips-head screwdriver
- Lithium battery (CR1632)

#### ■ Replacing the battery

STEP 1



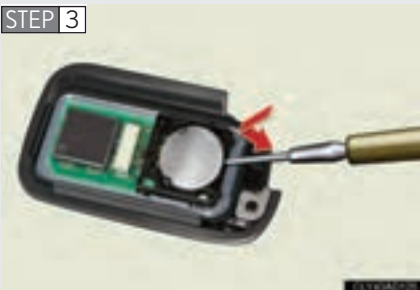
Take out the mechanical key.

STEP 2



Remove the cover.

STEP 3



Remove the depleted battery.

Insert a new battery with the "+" terminal facing up.

### ■ If the electronic key battery is depleted

The following symptoms may occur:

- The smart access system with push-button start and wireless remote control will not function properly.
- The operational range is reduced.

### ■ Use a CR1632 lithium battery

- Batteries can be purchased at your Lexus dealer, jewelers, or camera stores.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the local laws.

### ■ When the card key battery needs to be replaced

The battery for the card key is available only at Lexus dealers. Your Lexus dealer can replace the battery for you.

#### CAUTION

#### ■ Removed battery and other parts

Keep away from children.

These parts are small and if swallowed by a child, they can cause choking.

#### NOTICE

#### ■ For normal operation after replacing the battery

Observe the following precautions to prevent accidents:

- Always work with dry hands.  
Moisture may cause the battery to rust.
- Do not touch or move any other components inside the remote control.
- Do not bend either of the battery terminals.

## 4-3. Do-it-yourself maintenance

### Checking and replacing fuses

If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

**STEP 1** Turn the “POWER” switch to “OFF” mode.

**STEP 2** Remove the engine compartment cover (→P. 519) and the 12-volt battery cover (→P. 531).

**STEP 3** Open the fuse box cover.

▶ Engine compartment (type A fuse box)



Push the tab in and lift the lid off.

▶ Engine compartment (type B fuse box)



Push the tab in and lift the lid off.

► Engine compartment (type C fuse box)



Push the tab in and lift the lid off.

► Driver's side instrument panel



Remove the lid.

► Passenger's side instrument panel



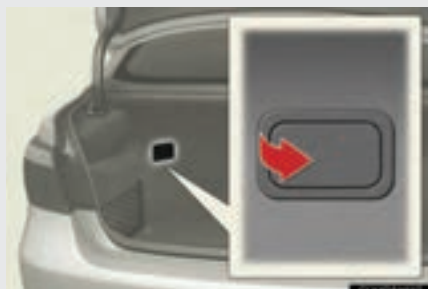
Remove the lid.

▶ Luggage compartment (type A fuse box)



Remove the lid.

▶ Luggage compartment (type B fuse box)



Remove the cover.

▶ Luggage compartment (type C fuse box)



Remove the terminal cover.

**STEP 4** After a system failure, see “Fuse layout and amperage ratings” for details about which fuse to check. (→P. 559)



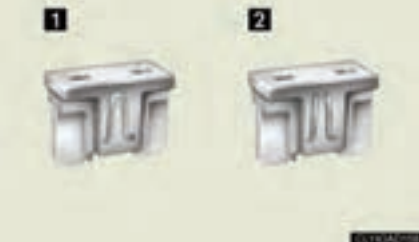
**STEP 5**

Remove the fuse with the pull-out tool.

**STEP 6** Check if the fuse has blown.

► Type A and B

Type A

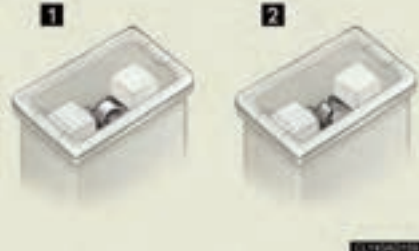


**1** Normal fuse

**2** Blown fuse

Replace it with one of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

Type B



► Type C and D

Type C



Type D



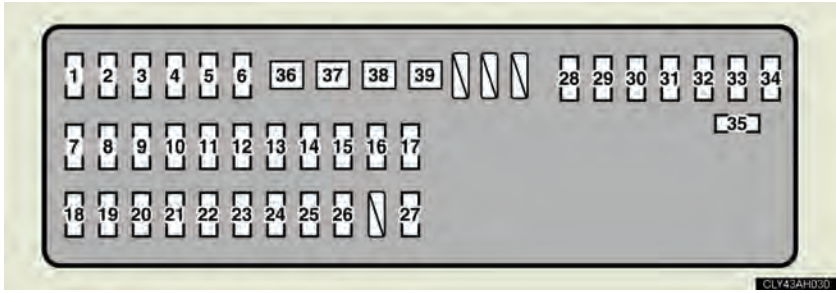
1 Normal fuse

2 Blown fuse

Contact your Lexus dealer.

## Fuse layout and amperage ratings

### ■ Engine compartment (type A fuse box)



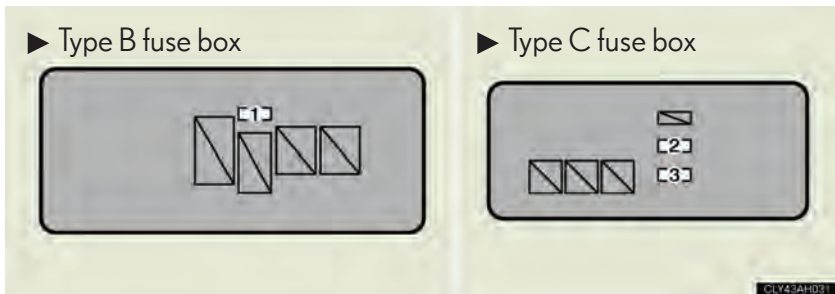
Fuse		Ampere	Circuit
1	DEICER	25 A	Windshield wiper de-icer
2	WIP	30 A	Windshield wiper
3	ABS MAIN 2	10 A	Brake system
4	IGCT1	25 A	INV W/P
5	EPS ECU	10 A	EPS
6	FR CTRL BAT	30 A	Headlight high beams, horns
7	E/G RM-IG1-2	10 A	AFS, multiport fuel injection system/ sequential multiport fuel injection system, headlight cleaner, pre-collision system
8	E/G RM-IG1-1	10 A	Air conditioning system, EPS, electric cooling fans, AFS
9	H-LP LL	15 A	Headlight low beams
10	ABS MAIN 1	10 A	Brake system
11	H-LP RL	15 A	Headlight low beams
12	ETCS	10 A	Multiport fuel injection system/ sequential multiport fuel injection system

### 4-3. Do-it-yourself maintenance

	Fuse	Ampere	Circuit
13	NV IR	10 A	Pre-collision system
14	IGN	10 A	Multiport fuel injection system/ sequential multiport fuel injection sys- tem, brake system, airbag system
15	ECU-IG	10 A	Multiport fuel injection system/ sequential multiport fuel injection sys- tem, stop lights, hybrid system
16	D/C CUT 1	30 A	ECU-B, D MPX-B 1, DOME, D MPX- B 2
17	ECU-B	10 A	Headlight low beams
18	A/F	15 A	Multiport fuel injection system/ sequential multiport fuel injection sys- tem
19	EDU2	25 A	Multiport fuel injection system/ sequential multiport fuel injection sys- tem
20	FR CTRL ALT	20 A	Windshield washer, alarm, headlight cleaner, parking lights, side marker lights
21	EDU1	25 A	Multiport fuel injection system/ sequential multiport fuel injection sys- tem
22	RELIEF VLV	10 A	Fuel system
23	FR FOG	15 A	Front fog lights
24	A/C W/P	10 A	Air conditioning system
25	H-LP LVL	10 A	Discharge headlights, headlight high beams
26	P-J/B	10 A	P IG2, P RR-IG2

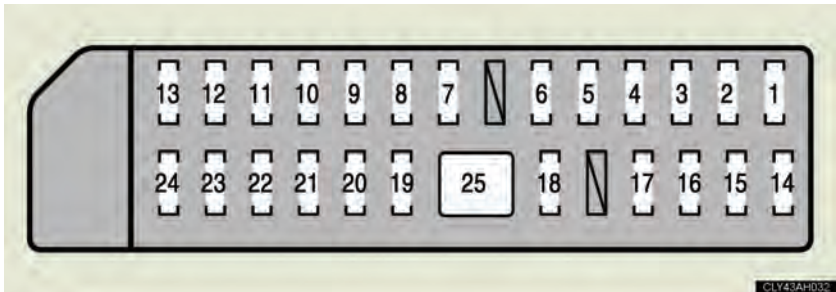
Fuse		Ampere	Circuit
27	INJ	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
28	D/C CUT 2	30 A	P MPX-B, RR MPX-B 1, RR MPX-B 2
29	IGCT2	25 A	IGCT2 NO.2, hybrid system
30	ABS MAIN3	10 A	Brake system
31	EFI MAIN2	25 A	EFI, EFI-B, multiport fuel injection system/sequential multiport fuel injection system
32	EFI MAIN	25 A	Multiport fuel injection system/ sequential multiport fuel injection system, fuel system
33	EFI	10 A	Multiport fuel injection system/ sequential multiport fuel injection system, fuel system
34	EFI-B	10 A	Multiport fuel injection system/ sequential multiport fuel injection system, fuel system
35	INV W/P	10 A	Hybrid system
36	ST	30 A	—
37	ABS MTR1	50 A	Brake system
38	ABS MTR2	50 A	Brake system
39	VVT	40 A	Multiport fuel injection system/ sequential multiport fuel injection system

■ Engine compartment (type B fuse box and C fuse box)



Fuse		Ampere	Circuit
1	IGCT2 NO.2	10 A	IGCT 3, hybrid system
2	PTC HTR 3	25 A	PTC heater
3	PTC HTR 1	25 A	PTC heater

## ■ Driver's side instrument panel



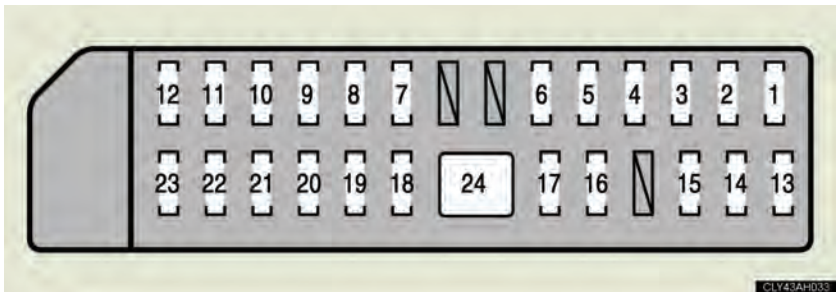
Fuse		Ampere	Circuit
1	D-IG1-3	10 A	Transmission, power door lock system, air conditioning system, brake system, rear window defogger, moon roof, main body ECU, pre-collision seat belt, electric parking brake, power outlet, climate control seat system, turn signal lights, active stabilizer suspension system
2	D-IG1-2	5 A	Cruise control system
3	D-IG1-4	15 A	Heated steering wheel
4	D-IG1-1	5 A	Front seat adjustment, tilt and telescopic steering, pre-collision system, hybrid system
5	PWR OUTLET	15 A	Power outlet
6	D-ACC	5 A	Main body ECU
7	S/ROOF	30 A	Moon roof
8	TI&TE	30 A	Tilt and telescopic steering
9	AM1	5 A	Main body ECU
10	OBD	10 A	On-board diagnosis system
11	D P/SEAT	30 A	Front seat adjustment

### 4-3. Do-it-yourself maintenance

	Fuse	Ampere	Circuit
12	D S/HTR	20 A	Climate control seat system
13	D RR S/HTR	30 A	Climate control seat system
14	D MPX-B 1	10 A	Gauges and meters, front seat adjustment, tilt and telescopic steering, power door lock system
15	DOME	10 A	Interior lights, clock
16	D MPX-B 2	10 A	Audio system
17	PANEL	10 A	Fuel filler door opener, power trunk lid, console box light, interior lights, coin holder light, glove box light, turn signal lights, electric parking brake, navigation system, power outlet, climate control seat system, odometer, trip meter, audio system, cool box, rear seat relaxation system
18	SECURITY	5 A	Smart access system with push-button start, theft deterrent system
19	STR LOCK	20 A	Tilt and telescopic steering
20	D DOOR 2	10 A	Power door lock system
21	HAZ	10 A	Emergency flashers
22	D RR DOOR	25 A	Interior lights, door closer, power door lock system, power windows
23	D DOOR 1	25 A	Interior lights, theft deterrent system, outside rear view mirror, power door lock system, door closer, power windows, outside rear view mirror defogger
24	STOP	5 A	Stop lights
25	AMP	30 A	—



## ■ Passenger's side instrument panel

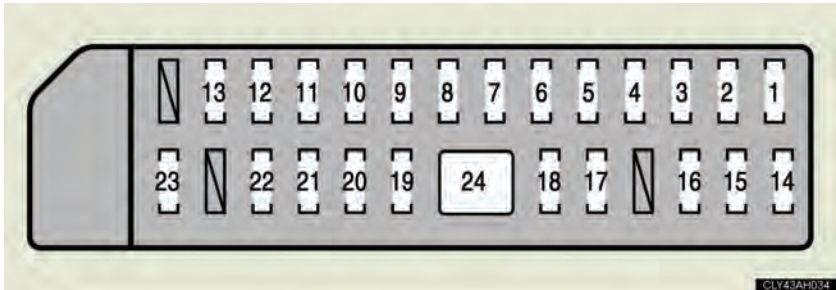


Fuse		Ampere	Circuit
1	P-IG1-2	5 A	Pre-collision system
2	P-IG1-3	5 A	VGRS
3	P-IG1-1	10 A	Navigation system, power door lock system, VDIM, air conditioning system, pre-collision seat belt, intuitive parking assist, tire pressure warning system
4	P-IG1-4	10 A	Climate control seat system, air conditioning system
5	P-CIG	15 A	Cigarette lighter
6	P-ACC	5 A	Navigation system, clock, intuitive parking assist
7	A/C	10 A	Air conditioning system
8	P S/HTR	20 A	Climate control seat system
9	P P/SEAT 2	30 A	Front seat adjustment
10	RR SEAT	30 A	Rear seat adjustment
11	P P/SEAT 1	30 A	Front seat adjustment
12	P RR S/HTR	30 A	Climate control seat system

### 4-3. Do-it-yourself maintenance

Fuse		Ampere	Circuit
13	PIG2	5 A	Tilt and telescopic steering, smart access system with push-button start, gauges and meters
14	PRR-IG2	5 A	Lexus link system
15	P MPX-B	10 A	Power door lock system, front seat adjustment, VDIM, smart access system with push-button start, VGRS, hybrid system, intuitive parking assist, rear seat adjustment
16	AIR SUS	20 A	Electronically modulated air suspension system
17	AM2	10 A	Main body ECU
18	RADIO NO.1	20 A	Navigation system, Lexus link system
19	PMG	5 A	—
20	P-D/C CUT	5 A	Power windows, steering wheel switches
21	P DOOR 2	10 A	Power door lock system
22	PRR DOOR	25 A	Interior lights, power door lock system, door closer, power windows
23	P DOOR 1	25 A	Interior lights, outside rear view mirror, power door lock system, door closer, power windows, outside rear view mirror defogger
24	AMP	30 A	Audio system

### ■ Luggage compartment (type A fuse box)

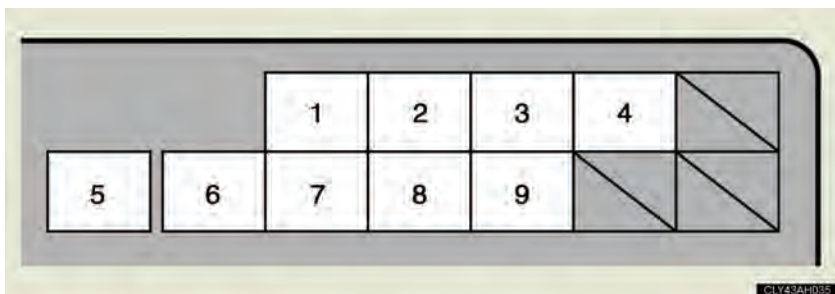


Fuse		Ampere	Circuit
1	RR-IG1-3	10 A	Climate control seat system
2	RR-IG1-4	10 A	Rear seat relaxation system
3	RR-IG1-2	10 A	Power door lock system, power trunk lid, cool box, air conditioning system
4	RR-IG1-1	5 A	Capacitor, electric parking brake, pre-collision seat belt, rear seat relaxation system, active stabilizer suspension system, hybrid system
5	RR-ACC	5 A	Audio system, rear seat entertainment system
6	RR-CIG	15 A	Cigarette lighter
7	AC100/115V	15 A	Power outlet
8	RL SEAT	30 A	Rear seat adjustment
9	B/ANC	10 A	Shoulder anchor
10	RR S/SHADE	10 A	Rear sunshade
11	PSB	30 A	Pre-collision seat belt
12	PTL	30 A	Power trunk lid
13	FUEL OPN	15 A	Fuel filler door opener, power trunk lid

### 4-3. Do-it-yourself maintenance

Fuse		Ampere	Circuit
14	RR MPX-B1	10 A	Power trunk lid, rear seat entertainment system
15	RR MPX-B 2	5 A	Power door lock system, rear seat adjustment, interior lights, trunk light, power trunk lid
16	IGCT 3	5 A	Hybrid system
17	BATT FAN	20 A	Battery cooling fan
18	B-FAN RLY	5 A	Battery cooling fan
19	RR ECU-B	5 A	Electric parking brake
20	ABS MAIN 4	10 A	Capacitor
21	STOP LP 1	10 A	Stop lights, back-up lights
22	STOP LP 2	10 A	High mounted stop light, stop lights
23	TAIL	5 A	Tail lights, license plate lights
24	E-PKB	30 A	Electric parking brake

#### ■ Luggage compartment (type B fuse box)



Fuse		Ampere	Circuit
1	E/G R/B DC/DC	160 A	AIR SUS, HTR, DEFOG, FAN NO.1, H-LP CLN, PTC HTR, E/G RM 1, P-J/B DC/DC

Fuse		Ampere	Circuit
2	LUG-J/B DC/DC	80 A	PTL, RL SEAT, B/ANC, FUEL OPN, RR S/SHADE, PSB, RR-IG1-1, RR-IG1-2, RR-IG1-3, RR-IG1-4, RR-ACC, RR-CIG, AC100/115V, BATT FAN
3	LH-J/B DC/DC	80 A	OBD, D P/SEAT, TI&TE, AM1, D S/HTR, S/ROOF, D RR S/HTR, D-IG1-1, D-IG1-2, D-IG1-3, D-IG1-4, D-ACC, PWR OUTLET, PANEL
4	RR A/C	30 A	Air conditioning system
5	DC/DC	180 A	Hybrid system
6	E/G R/B BATT	160 A	VGRS, OIL PMP, EFI NO1, EFI, E/G RM B, P-J/B B, E/G RM B2
7	EPS	80 A	EPS, active stabilizer suspension system
8	LH-J/B BATT	40 A	D DOOR 1, D RR DOOR, HAZ, D DOOR 2, STR LOCK, STOP, SECURITY
9	LUG-J/B BATT	40 A	STOP LP 1, STOP LP 2, TAIL, B-FAN RLY, ABS MAIN 4, RR ECU-B, E-PKB

### ■ Luggage compartment (type C fuse box)



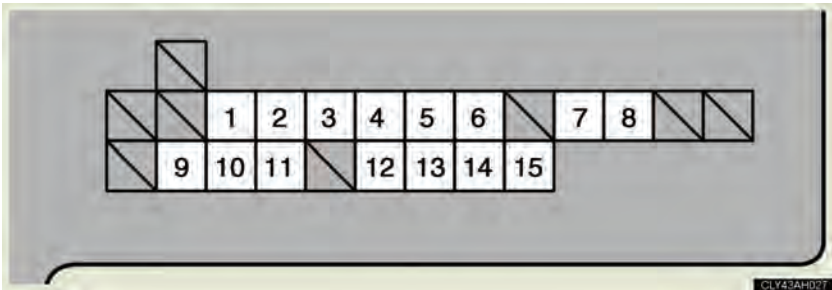
	Fuse	Ampere	Circuit
1	MAIN	200 A	All electrical components

### Fuse box near the power control unit



There are high voltage parts and wiring near the fuse box. For inspection and replacement of the fuses, contact your Lexus dealer.

## Fuse layout and amperage ratings



Fuse		Ampere	Circuit
1	P-J/B DC/DC	100 A	P P/SEAT 1, A/C, RR SEAT, P P/SEAT 2, P S/HTR, P RR S/HTR, P-IG1-1, P-IG1-2, P-IG1-3, P-IG1-4, P-ACC, P-CIG, AIR SUS
2	E/G RM1	80 A	DEICER, WIP, E/G RM-IG1-1, E/G RM-IG1-2, NV IR, FR FOG, FR CTRL ALT, ABS MTR1, A/C W/P, front fog lights
3	FAN NO.1	80 A	Electric cooling fans
4	PTC HTR	50 A	PTC HTR 1, PTC HTR 3
5	AIR SUS	40 A	Electronically modulated air suspension system
6	HTR	50 A	Air conditioning system
7	DEFOG	40 A	Rear window defogger
8	H-LP CLN	30 A	Headlight cleaner
9	E/G RMB	80 A	D/C CUT 1, FR CTRL BAT, EPS ECU, ABS MAIN 2, ABS MTR2, IGCT1, H-LP RL, H-LP LL, H-LP LVL, headlight low beams

Fuse		Ampere	Circuit
10	EFI	80 A	VVT, ETCS, ABS MAIN 1, EDU1, EDU2, A/F, RELIEF VLV, ECU-IG, IGN, INJ, P-J/B
11	OIL PMP	60 A	Transmission
12	EFI NO.1	40 A	EFI MAIN, EFI MAIN NO. 2
13	VGRS	40 A	VGRS
14	P-J/B B	40 A	P DOOR 1, P RRR DOOR, AM2, RADIO NO.1, P-D/C CUT, P DOOR 2, AMP
15	E/G RMB2	40 A	ABS MAIN 3, IGCT2, D/C CUT 2

#### ■ After a fuse is replaced

- If the lights do not turn on even after the fuse has been replaced, a bulb may need replacement. (→P. 577)
- If the replaced fuse blows again, have the vehicle inspected by your Lexus dealer.

#### ■ If there is an overload in a circuit

The fuses are designed to blow before the entire wiring harness is damaged.



 **CAUTION****■ To prevent system breakdowns and vehicle fire**

Observe the following precautions.

Failure to do so may cause damage, and possibly a fire or injury.

- Never use a fuse of a higher amperage rating than indicated, or use any other object in place of a fuse.
- Always use a genuine Lexus fuse or equivalent.  
Never replace a fuse with a wire, even as a temporary fix.  
This can cause extensive damage or even fire.
- Do not modify fuses or the fuse box.

**■ Fuse box near the power control unit**

Never check or replace the fuses as there are high voltage parts and wiring near the fuse box.

Doing so may cause electric shock, resulting in death or serious injury.

 **NOTICE****■ Before replacing fuses**

Have the cause of electrical overload determined and repaired by your Lexus dealer.

## Headlight aim

### Vertical movement adjusting bolts

#### ► Vehicles with discharge headlights



1 Adjustment bolt A

2 Adjustment bolt B

#### ► Vehicles with LED headlights



### Before checking the headlight aim

**STEP 1** Make sure the vehicle has a full tank of gas and the area around the headlight is not deformed.

**STEP 2** Park the vehicle on level ground.

**STEP 3** Sit in the driver's seat.

**STEP 4** Bounce the vehicle several times.

## ■ Adjusting the headlight aim

### ► Vehicles with discharge headlights

#### STEP 1



Turn bolt A in either direction using a Phillips-head screwdriver.

Remember the turning direction and the number of turns.

#### STEP 2



Turn bolt B the same number of turns and in the same direction as step 1 using a Phillips-head screwdriver.

If the headlight cannot be adjusted using this procedure, take the vehicle to your Lexus dealer to adjust the headlight aim.

### ► Vehicles with LED headlights

#### STEP 1



Turn bolt A in either direction using a Phillips-head screwdriver.

Remember the turning direction and the number of turns.

STEP 2



Turn bolt B the same number of turns and in the same direction as step 1 using a Phillips-head screwdriver.

If the headlight cannot be adjusted using this procedure, take the vehicle to your Lexus dealer to adjust the headlight aim.

## 4-3. Do-it-yourself maintenance

# Light bulbs

You may replace the following bulbs by yourself. The difficulty level of replacement varies depending on the bulb. If necessary bulb replacement seems difficult to perform, contact your Lexus dealer.

For more information about replacing other light bulbs, contact your Lexus dealer.

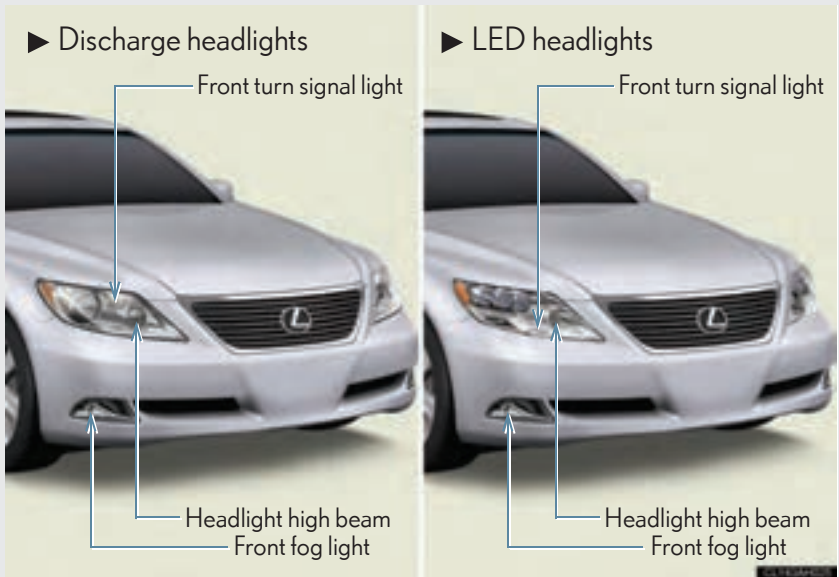
### ■ Preparing for light bulb replacement

Check the wattage of the light bulb to be replaced. (→P. 646)

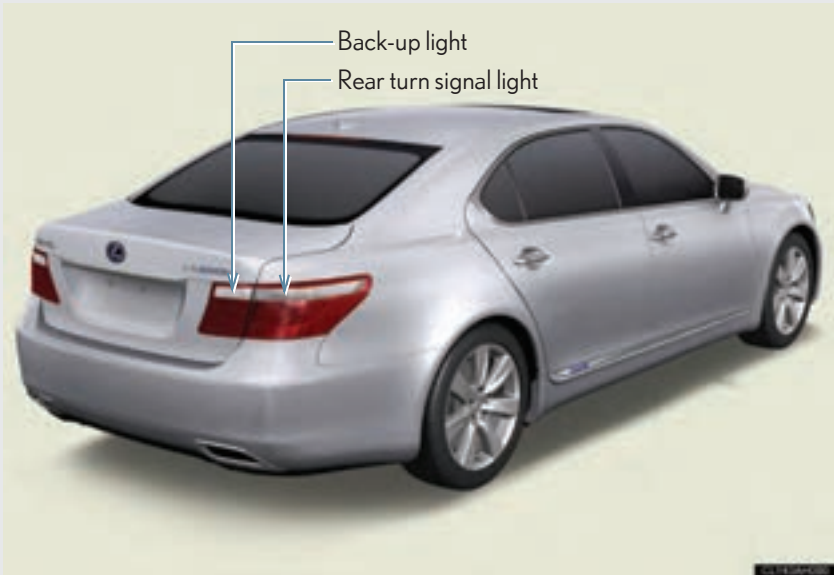
### ■ Removing the engine compartment cover

→P. 519

### ■ Front bulb locations



### ■ Rear bulb locations



### Replacing light bulbs

#### ■ Headlight high beams

**STEP 1** When replacing the bulbs:

▶ Left side



Remove the securing bolt and move the washer fluid filler opening.

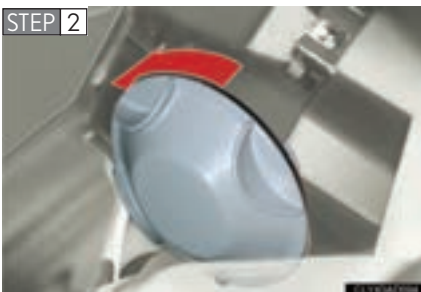
## ► Right side



**1** Remove the securing bolts and move the ECU unit.



**2** Remove the relay block cover.  
**3** Remove the securing bolts and nut, and move the relay block.



Turn the cover counterclockwise and remove it.



Turn the bulb base counterclockwise.

STEP 4



Unplug the connector while depressing the lock release.

### ■ Front fog lights

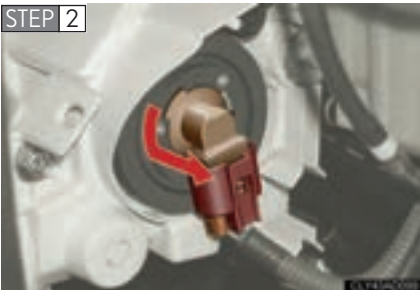
STEP 1



To allow enough working clearance, turn the steering wheel to the opposite side of the bulb to be replaced.

Remove the fender liner bolt and clips, and then remove the fender liner.

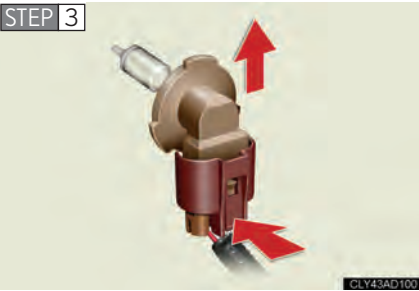
STEP 2



Turn the bulb base counterclockwise.

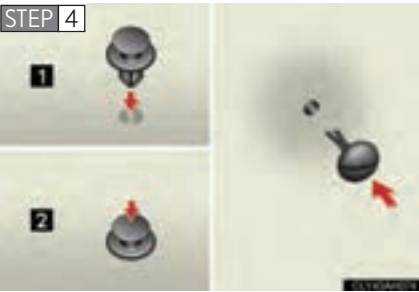


## STEP 3



Unplug the connector while depressing the lock release.

## STEP 4



Install the bolt and clips.

### Front turn signal lights (vehicles with discharge headlights)

STEP 1 When replacing the bulbs:

► Left side



Remove the securing bolt and move the washer fluid filler opening.

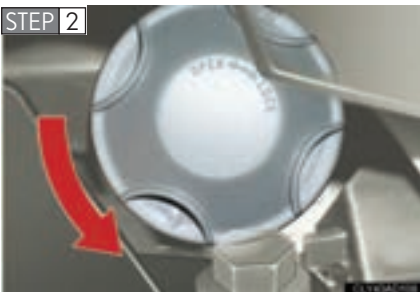
► Right side



1 Remove the securing bolts and move the ECU unit.



2 Remove the relay block cover.  
3 Remove the securing bolts and nut, and move the relay block.



Turn the cover counterclockwise and remove it.



Turn the bulb base counterclockwise.

STEP 4



Remove the light bulb.

■ Front turn signal lights (vehicles with LED headlights)

STEP 1



Remove the fender liner bolt and clips, and then remove the fender liner.

STEP 2



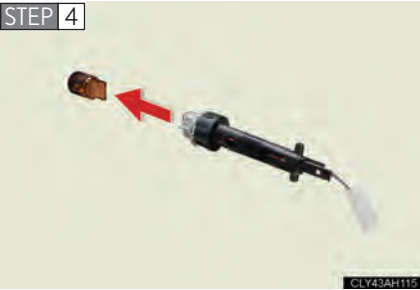
Turn the back cover counterclockwise.

STEP 3



Disconnect the connector and turn the bulb socket counterclockwise.

STEP 4



Remove the light bulb.

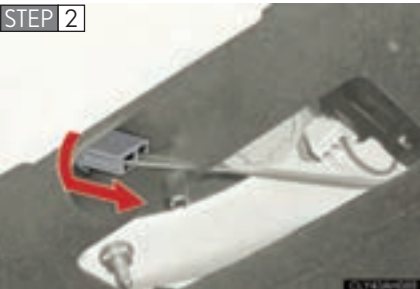
### ■ Back-up lights

STEP 1



Open the trunk lid and remove the cover.

STEP 2



Turn the bulb base counterclockwise.

STEP 3



Remove the light bulb.

### ■ Rear turn signal lights

STEP 1



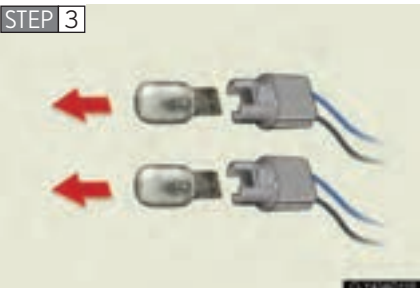
Open the trunk lid and remove the cover.

STEP 2



Turn the bulb bases counterclockwise.

STEP 3



Remove the light bulbs.

### ■ Lights other than the above

If any of the lights listed below has burnt out, have it replaced by your Lexus dealer.

- Headlight low beams
- Parking lights
- Side marker lights
- Stop/tail lights
- High mounted stoplight
- License plate lights

---

### ■ Condensation build-up on the inside of the lens

Contact your Lexus dealer for more information in the following situations. Temporary condensation build-up on the inside of the headlight lens does not indicate a malfunction.

- Large drops of water are built up on the inside of the lens.
- Water has built up inside the headlight.

### ■ Discharge headlights (if equipped)

If voltage to the discharge bulbs is insufficient, the bulbs may not come on, or may go out temporarily. The discharge bulbs will come on when normal power is restored.

### ■ LED headlight low beams (if equipped), parking lights (vehicles with LED headlights only), side marker lights (vehicles with LED headlights only), stop/tail lights and high mounted stoplight

The headlight low beams, parking lights, side marker lights, stop/tail lights and high mounted stoplight consist of a number of LEDs. If any of the LEDs burn out, take your vehicle to your Lexus dealer to have the light replaced.

 **CAUTION****■ Replacing light bulbs**

- Turn off the headlights. Do not attempt to replace the bulb immediately after turning off the headlights.  
The bulbs become very hot and may cause burns.
- Do not touch the glass portion of the light bulb with bare hands. Hold the bulb by the plastic or metal portion.  
If the bulb is scratched or dropped, it may blow out or crack.
- Fully install light bulbs and any parts used to secure them. Failure to do so may result in heat damage, fire, or water entering the headlight unit. This may damage the headlights or cause condensation to build up on the lens.
- Do not attempt to take apart or repair the low beam discharge headlight bulbs, connectors, power supply circuits, or related components.  
Doing so could result in electric shock and serious injury or death.

**■ Discharge headlights (if equipped)**

- Contact your Lexus dealer before replacing discharge headlights (including light bulbs).
- Do not touch the high-intensity discharge headlight's high voltage socket when the headlights are turned on.  
An extremely high voltage of 20000 V will be discharged and could result in serious injury or death by electric shock.

**■ To prevent damage or fire**

Make sure bulbs are fully seated and locked.





<b>5-1. Essential information.....</b>	<b>590</b>	If the vehicle becomes stuck.....	634
If your vehicle needs to be towed .....	590		
If you think something is wrong .....	596		
Event data recorder .....	597		
 <b>5-2. Steps to take in an emergency.....</b>	 <b>599</b>		
If a warning light turns on or a warning buzzer sounds.....	599		
If a warning message is displayed .....	607		
If you have a flat tire .....	610		
If the hybrid system will not start .....	618		
If the shift lever cannot be shifted from “P” .....	620		
If the parking brake cannot be released.....	621		
If you lose your keys.....	623		
If the electronic key does not operate properly.....	624		
If the vehicle 12-volt battery is discharged.....	627		
If your vehicle overheats.....	630		

## 5-1. Essential information

### If your vehicle needs to be towed

If towing is necessary, we recommend having your vehicle towed by your Lexus dealer or a commercial towing service, using a lift-type truck or a flatbed truck.

Use a safety chain system for all towing, and abide by all state/provincial and local laws.

If the vehicle is damaged, use a towing dolly or flatbed truck.

#### Before towing

The following may indicate a problem with your transmission. Contact your Lexus dealer before towing.

- The hybrid system is operating, but the vehicle will not move.
- The vehicle makes an abnormal sound.

#### Emergency towing

If a tow truck is not available in an emergency, your vehicle may be temporarily towed using a cable or chain secured to the emergency towing eyelet(s). This should only be attempted on hard surfaced roads for short distances at low speeds.

A driver must be in the vehicle to steer and operate the brakes. The vehicle's wheels, drive train, axles, steering and brakes must be in good condition.



1 Towing eyelets

**■ Before emergency towing**

- Release the parking brake.
- Shift the shift lever to “N”.
- Turn the “POWER” switch to “ACC” (hybrid system off) or “ON” mode (hybrid system operating).

**⚠ CAUTION****■ Caution while towing**

- Use extreme caution when towing the vehicle.  
Avoid sudden starts or erratic driving maneuvers which place excessive stress on the emergency towing eyelets and the cables or chains.
- If the hybrid system is off, the power assist for the brakes and steering will not function, making steering and braking more difficult.

**⚠ NOTICE****■ To prevent causing serious damage to the transmission and the transfer**

Never tow this vehicle with any of the wheels in contact with the ground.  
This may cause serious damage to the transmission and the transfer.

## Installing towing eyelets



Remove the eyelet cover using a flathead screwdriver.

To protect the bodywork, place a rag between the screwdriver and the vehicle body, as shown in the illustration.



Insert the towing eyelet into the hole and tighten partially by hand.



Tighten down the towing eyelet securely using a wheel nut wrench.

■ Location of the emergency towing eyelet

→P. 610

**⚠ CAUTION****■ Installing towing eyelets to the vehicle**

Make sure that towing eyelets are installed securely.

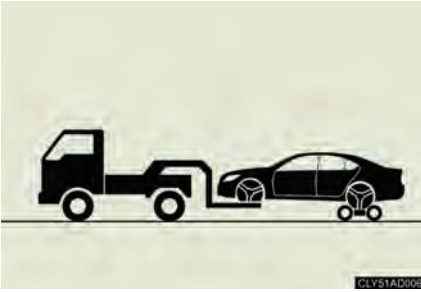
If not securely installed, towing eyelets may come loose during towing. This may lead to accidents that cause serious injury or even death.

**Towing with a sling-type truck****⚠ NOTICE****■ To prevent body damage**

Do not tow with a sling-type truck, either from the front or rear.

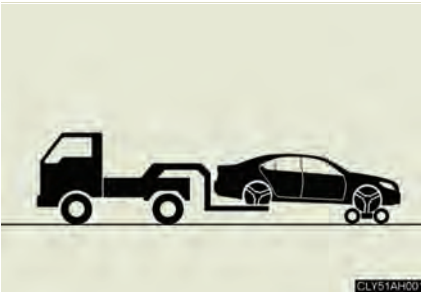
## Towing with a wheel-lift type truck

### ► From front



Use a towing dolly under the rear wheels.

### ► From rear



Use a towing dolly under the front wheels.

### ⚠ NOTICE

#### ■ To prevent causing serious damage to the transmission and the transfer

Never tow this vehicle with any of the wheels in contact with the ground.

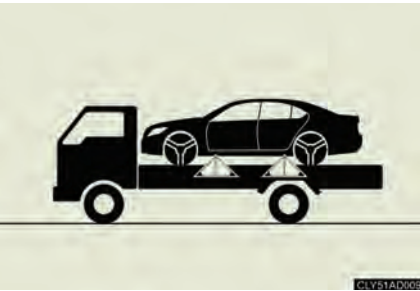
#### ■ To prevent damaging the vehicle

- Do not tow the vehicle with the “POWER” switch in “OFF” mode.  
The steering lock mechanism is not strong enough to hold the front wheels straight.
- When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.

## Using a flatbed truck



If your Lexus is transported by a flatbed truck, it should be tied down at the locations shown in the illustration.



If you use chains or cables to tie down your vehicle, the angles shaded in black must be  $45^\circ$ .

Do not overly tighten the tie downs or the vehicle may be damaged.

# If you think something is wrong

If you notice any of the following symptoms, your vehicle probably needs adjustment or repair. Contact your Lexus dealer as soon as possible.

### ■ Visible symptoms

- Fluid leaks under the vehicle.  
(Water dripping from the air conditioning after use is normal.)
- Flat-looking tires or uneven tire wear
- Engine coolant temperature display indicates that the temperature is higher than normal. (→P. 185)

### ■ Audible symptoms

- Changes in exhaust sound
- Excessive tire squeal when cornering
- Strange noises related to the suspension system
- Pinging or other noises related to the hybrid system

### ■ Operational symptoms

- Engine missing, stumbling or running rough
- Appreciable loss of power
- Vehicle pulls heavily to one side when braking.
- Vehicle pulls heavily to one side when driving on a level road.
- Loss of brake effectiveness, spongy feeling, pedal almost touches the floor



## 5-1. Essential information

# Event data recorder

Your vehicle has computers that monitor and control certain aspects of your vehicle. These computers assist in driving and maintaining optimal vehicle performance.

Besides storing data useful for troubleshooting, there is an event data recorder (EDR) that records data in a crash or a near car crash event.

### In a crash or a near car crash event

The SRS airbag sensor assembly contains the EDR. In a crash or a near car crash event, this device may record some or all of the following information:

- Gasoline engine speed
- Whether the brake pedal was depressed or not
- Vehicle speed
- To what extent the accelerator pedal was depressed
- Position of the transmission shift lever
- Whether the driver and front passenger wore seat belts or not
- Driver's seat position
- SRS airbag deployment data
- SRS airbag system diagnostic data

The VSC Electronic Control Unit (ECU) may contain another EDR. In case the VSC or Brake Assist system is activated, or the lateral acceleration is beyond a certain value, this device may record some or all of the following information:

- Behavior of the vehicle
- Steering wheel angle
- Vehicle speed

- To what extent the accelerator pedal was depressed
- To what extent the brake pedal was depressed
- To what extent the ECU controlled the condition of the 4 wheels
- Vehicle stability control system diagnostic data

The information above is intended to be used for the purpose of improving vehicle safety performance. Unlike general data recorders, the EDR does not record sound data such as conversation between passengers.

### Disclosure of the data

Lexus will not disclose the data recorded in an EDR to a third party except when:

- An agreement from the vehicle's owner (or the leasing company for a leased vehicle) is obtained
- Officially requested by the police or other authorities
- Used as a defense for Lexus in a law suit
- Ordered by a court of law

However, if necessary, Lexus will:

- Use the data for research on Lexus vehicle safety performance
- Disclose the data to a third party for research purposes without disclosing details of the vehicle owner, and only when it is deemed necessary
- Disclose summarized data cleared of vehicle identification information to a non-Lexus organization for research purposes



## 5-2. Steps to take in an emergency

### If a warning light turns on or a warning buzzer sounds...

Calmly perform the following actions if any of the warning lights turn on or flash. If a light turns on or flashes, but then turns off, this does not necessarily indicate a malfunction in the system.


**Stop the vehicle immediately. Continuing to drive the vehicle may be dangerous.**

The following warning indicates a possible problem in the brake system. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
 (U.S.A.)	<b>Brake system warning light (red indicator)</b> <ul style="list-style-type: none"><li>• Low brake fluid</li></ul>
 (Canada)	<ul style="list-style-type: none"><li>• Malfunction in the electronically controlled brake system</li></ul>



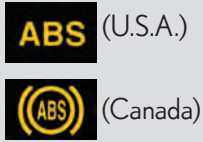



**Stop the vehicle immediately.**

The following warning indicates the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
	<b>Charging system warning light</b> Indicates a malfunction in the vehicle's charging system

## Have the vehicle inspected immediately.

Failure to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer immediately.

Warning light	Warning light/Details
	<b>Malfunction indicator lamp</b> Indicates a malfunction in: <ul style="list-style-type: none"> <li>• The hybrid system;</li> <li>• The electronic engine control system;</li> <li>• The electronic throttle control system; or</li> <li>• The electronic automatic transmission control system</li> </ul>
	<b>SRS warning light</b> Indicates a malfunction in: <ul style="list-style-type: none"> <li>• The SRS airbag system; or</li> <li>• The seat belt pretensioner system</li> </ul>
	<b>ABS warning light</b> Indicates a malfunction in: <ul style="list-style-type: none"> <li>• The ABS; or</li> <li>• The brake assist system</li> </ul>
	<b>Brake system warning light (yellow indicator)</b> Indicates a malfunction in: <ul style="list-style-type: none"> <li>• The regenerative brake system;</li> <li>• The electronically controlled brake system; or</li> <li>• The electric parking brake</li> </ul>
	<b>Electric power steering system warning light</b> Indicates a malfunction in the EPS (Electric Power Steering) system
	<b>Pre-collision system warning light (if equipped)</b> Indicates a malfunction in the pre-collision system

### ■ If the malfunction indicator lamp comes on while driving

First check the following:

- Is the fuel tank empty?  
If it is, fill the fuel tank immediately.
- Is the fuel tank cap loose?  
If it is, tighten it securely.

The light will go off after taking several driving trips.

If the light does not go off even after several trips, contact your Lexus dealer as soon as possible.

### ■ Power steering warning light

When the voltage is low or drops, the power steering warning light may come on.

## ⚠ CAUTION



### ■ When the power steering warning light comes on

The steering wheel may become extremely heavy.






If the steering wheel becomes heavier than usual when operating, firmly hold and operate it using more force than usual.

### Follow the correction procedures.

After taking the specified steps to correct the suspected problem, check that the warning light turns off.

Warning light	Warning light/Details	Correction procedure
	<b>Open door warning light (warning buzzer)*<sup>1</sup></b> Indicates that a door or the trunk is not fully closed	Check that all doors and the trunk are closed.
 In the fuel gauge	<b>Low fuel level warning light</b> Indicates remaining fuel is approximately 3.4 gal. (13 L, 2.8 Imp.gal.) or less	Refuel the vehicle.

## 5-2. Steps to take in an emergency

Warning light	Warning light/Details	Correction procedure
	<p><b>Driver's seat belt reminder light (warning buzzer)*2</b> Warns the driver to fasten his/her seat belt</p>	<p>Fasten the seat belt.</p>
	<p><b>Front passenger's seat belt reminder light (warning buzzer)*2</b> Warns the front passenger to fasten his/her seat belt</p>	<p>Fasten the seat belt.</p>
	<p><b>Tire pressure warning light</b></p>	
	<p>Indicates low tire pressure</p> <p>When the light stays on after blinking for 1 minute: Indicates a malfunction in the tire pressure warning system</p>	<p>Adjust the tire pressure.</p> <p>Have the system inspected by your Lexus dealer.</p>
	<p><b>High coolant temperature warning light</b> Indicates high engine coolant temperature</p>	<p>→P. 630</p>
	<p><b>Master warning light</b> A buzzer sounds and the warning light comes on or flashes to indicate that the master warning system has detected a malfunction.</p>	<p>→P. 607</p>

**\*1: Open door warning buzzer:**

The open door warning buzzer sounds to alert one or more of the doors is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).

**\*2: Driver's and front passenger's seat belt reminders:**

The driver's and front passenger's seat belt reminders sound to alert the driver and front passenger that his or her seat belt is not fastened. The buzzer sounds intermittently for 10 seconds after the vehicle has reached a speed of at least 12 mph (20 km/h). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

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**■ Front passenger detection sensor and passenger seat belt reminder**

- If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash, even if a passenger is not sitting in the seat.
- If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

### ■ Tire pressure warning light

At the same time that the tire pressure warning light comes on, the tire inflation pressure values appear on the multi-information display.

### ■ If the tire pressure warning system is not functioning

The tire pressure warning system may not function in the following conditions.

(When the condition becomes normal, the system will work properly.)

- If not equipped with tire pressure warning valves and transmitters are used
- If the ID code on the tire pressure warning valves and transmitters is not registered
- If electronic devices or facilities using similar radio wave frequencies are nearby
- If a large metallic object which can interfere with signal reception is put in the trunk
- If a radio set at similar frequencies is in use in the vehicle
- If a window tint that affects the radio wave signals is installed
- If there is a lot of snow or ice on the vehicle, in particular, around the wheels or wheel housings
- If non-genuine Lexus wheels are used
- If tire chains are used
- If the spare tire is in a location subject to poor radio wave signal reception
- If the tire inflation pressure is 73 psi (500 kPa, 5.1 kgf/cm<sup>2</sup> or bar) or higher

### ■ If the tire pressure warning light comes on after blinking for 1 minute frequently

If the tire pressure warning light comes on after blinking for 1 minute frequently when the "POWER" switch is turned to "ON" mode, have it checked by your Lexus dealer.

Even if you use genuine wheels, the tire pressure warning system may not work properly with some types of tires.

Pressing the tire pressure warning reset switch should not turn off the tire pressure warning light.

### ■ Customization

The vehicle speed linked seat belt reminder buzzer can be disabled. (→P. 661)



 **CAUTION****■ Maintenance of the tires**

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label (tire and loading information label). (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label [tire and loading information label], you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS-tire pressure warning system) that illuminates a low tire pressure telltale (tire pressure warning light) when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale (low tire pressure warning light) illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS (tire pressure warning system) is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale (tire pressure warning light).

### NOTICE

#### ■ Precaution when installing a different tire

When a tire of a different specification or maker is installed, the tire pressure warning system may not operate properly.

## 5-2. Steps to take in an emergency If a warning message is displayed

The multi-information display shows warnings of system malfunctions, incorrectly performed operations, or shows messages that indicate a need for maintenance. When a message is shown, perform the correction procedure appropriate to the message.



### 1 Master warning light


The master warning light comes on or flashes when a message is being shown on the multi-information display.

### 2 Multi-information display

If any of the warning messages is shown again after its correction procedure has been performed, contact your Lexus dealer.

## Messages and warnings

The warning lights and warning buzzers operate as follows depending on the content of the message. If a message indicates the need for inspection by a dealer, have the vehicle inspected by your Lexus dealer immediately.

	System warning light	Warning buzzer*	Warning
Comes on	—	Sounds	Indicates an important situation, such as when a system related to driving is malfunctioning or that danger may result if the correction procedure is not performed
—	Comes on or flashes	Sounds	Indicates an important situation, such as when the system shown on the multi-information display may be malfunctioning
Flashes	—	Sounds	Indicates a situation, such as when damage to the vehicle or danger may result
Comes on	—	Does not sound	Indicates a condition, such as malfunction of electrical components, their condition, or indicates the need for maintenance
Flashes	—	Does not sound	Indicates a situation, such as when an operation has been performed incorrectly, or indicates how to perform an operation correctly

\*: A buzzer sounds the first time a message is shown on the multi-information display.

### ■ System warning lights

The master warning light does not come on or flash in the following cases. Instead, a separate system warning light will come on or flash along with the message shown on the multi-information display.

- Malfunction of the AFS (Adaptive Front lighting System)  
The “AFS OFF” indicator light flashes. (→P. 189)
- Malfunction of the brake system  
The brake system warning light (red indicator) comes on. (→P. 599)
- Malfunction of the regenerative brake system, electronically controlled brake system or electric parking brake  
The brake system warning light (yellow indicator) comes on. (→P. 600)
- Malfunction of the ABS  
The ABS warning light comes on. (→P. 600)
- Malfunction of the charging system  
The charging system warning light comes on. (→P. 599)
- High engine coolant temperature  
The high coolant temperature warning light comes on or flashes. (→P. 601)

### ■ If “Hybrid System Overheat” is shown

→P. 632

### ■ If the low fuel level warning light comes on and “Check Hybrid System” is shown

→P. 38

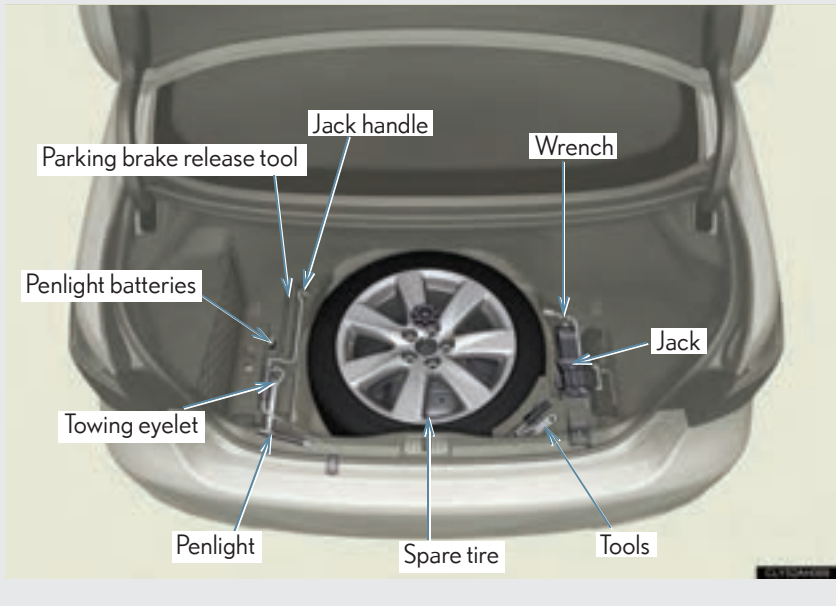
## 5-2. Steps to take in an emergency If you have a flat tire

Remove the flat tire and replace it with the spare tire provided.

### ■ Before jacking up the vehicle

- Stop the vehicle on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to “P”.
- Stop the hybrid system.
- Turn on the emergency flashers.

### ■ Location of the spare tire, jack and tools



## Penlight

The vehicle is equipped with a penlight, located inside the trunk. The penlight is provided in case it is necessary to perform an unexpected service operation at night, such as installation of the spare tire.



- 1 Turn the top portion to remove it.
- 2 Insert batteries.
- 3 Install the top portion.
- 4 On/off

## Taking out the jack and spare tire



Lift up the hook of the panel on the trunk floor.



Secure the panel using the hook provided.

## 5-2. Steps to take in an emergency

STEP 3



Remove the tool tray.

STEP 4



Remove the jack after removing the hook.

STEP 5



Loosen the center fastener that secures the spare tire.

If the center fastener cannot be turned by hand, use the wrench that is stored in the trunk. (To secure the tire, tighten the center fastener by hand. Do not use the wrench or other tools.)



Replacing a flat tire

STEP 1



Chock the tires.

Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire

STEP 2



Slightly loosen the wheel nuts (one turn).

STEP 3



Turn the tire jack portion "A" by hand until the notch of the jack is in contact with the jack point.

## 5-2. Steps to take in an emergency

STEP 4



Raise the vehicle until the tire is slightly raised off the ground.

STEP 5

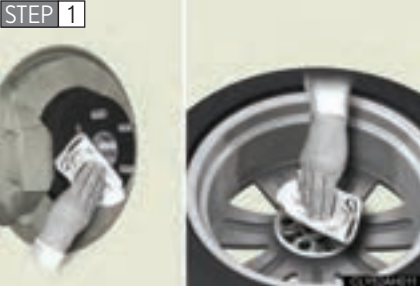


Remove all the wheel nuts and the tire.

When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.

## Installing the spare tire

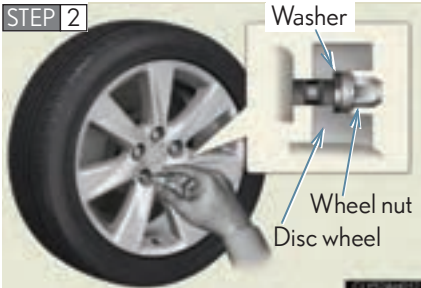
STEP 1



Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, and the tire may come off the vehicle.

STEP 2



Install the spare tire and loosely tighten each wheel nut by hand to approximately the same amount.

Turn the lug nuts until the washers come into contact with the wheel.

STEP 3



Lower the vehicle.

STEP 4



Firmly tighten each nut two or three times in the order shown in the illustration.

**Tightening torque:**  
103.3 ft•lbf (140 N•m, 14.3 kgf•m)

**STEP 5** Stow the flat tire, tire jack and all tools.

### CAUTION

#### ■ Using the tire jack

Improper use of the tire jack may lead to death or injuries due to the vehicle suddenly falling off the jack.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Always check that the tire jack is securely set to the jack point.
- Do not put any part of your body under the vehicle supported by a jack.
- Do not start or run the hybrid system while your vehicle is supported by the jack.
- Do not raise the vehicle while someone is in it.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.
- Be sure to turn off the height control and stop the hybrid system.

Take particular care when lowering the vehicle to ensure that no one working on or near the vehicle may be injured.

#### ■ Replacing a flat tire

Observe the following precautions to reduce the risk of death or serious injury:

- Never use oil or grease on the wheel bolts or wheel nuts. The oil or grease can cause the wheel nuts to loosen, causing a serious accident. Remove any oil or grease on the wheel bolts or wheel nuts.
- Have the wheel nuts tightened with a torque wrench to 103.3 ft•lbf (140 N•m, 14.3 kgf•m) as soon as possible after changing wheels. Failure to follow these precautions could cause the nuts to loosen and the wheel may fall off, which could lead to an accident causing death or serious injury.

 NOTICE

■ **Do not drive the vehicle with a flat tire.**

Do not continue driving with a flat tire.

Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair.

## 5-2. Steps to take in an emergency

### If the hybrid system will not start

Reasons for the hybrid system not starting vary depending on the situation. Check the following and perform the appropriate procedure:

■ **The hybrid system will not start, even though the correct starting procedure is being followed. (→P. 163)**

One of the following may be the cause of the problem:

- The electronic key may not be functioning properly. (→P. 624)
- There may be a malfunction in the immobilizer system. (→P. 113)
- There may be a malfunction in the steering lock system.
- The hybrid system may be malfunctioning due to an electrical problem such as an open circuit or a blown fuse. However, depending on the type of malfunction, an interim measure is available to start the hybrid system. (→P. 619)

■ **The interior lights and headlights are dim, or the horn does not sound or sounds at a low volume.**

One of the following may be the cause of the problem:

- The 12-volt battery may be discharged. (→P. 627)
- The 12-volt battery terminal connections may be loose or corroded.

■ **The interior lights and headlights do not turn on, or the horn does not sound.**

One of the following may be the cause of the problem:

- One or both of the 12-volt battery terminals may be disconnected.
- The 12-volt battery may be discharged. (→P. 627)

Contact your Lexus dealer if the problem cannot be repaired, or if repair procedures are unknown.

## Emergency start function

When the hybrid system does not start, the following steps can be used as an interim measure to start the hybrid system if the “POWER” switch is functioning normally:

**STEP 1** Set the parking brake.

**STEP 2** Put the shift lever in “P”.

**STEP 3** Turn the “POWER” switch to “ACC” mode.

**STEP 4** Press and hold the “POWER” switch about 15 seconds while depressing the brake pedal firmly.

Even if the hybrid system can be started using the above steps, the system may be malfunctioning. Have the vehicle inspected by your Lexus dealer.

## 5-2. Steps to take in an emergency

### If the shift lever cannot be shifted from “P”

If the shift lever cannot be shifted with your foot on the brake pedal, there may be a problem with the shift lock system (a system to prevent accidental operation of the shift lever). Have the vehicle inspected by your Lexus dealer immediately.

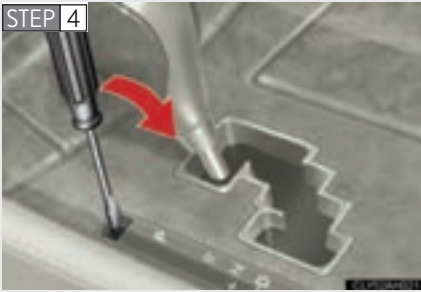
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted:

**STEP 1** Set the parking brake.

**STEP 2** Turn the “POWER” switch to “ACC” mode.

**STEP 3** Depress the brake pedal.

**STEP 4**



Pry the cover up with a flathead screwdriver or equivalent.

**STEP 5**



Press the shift lock override button.

The shift lever can be shifted while the button is pressed.



## 5-2. Steps to take in an emergency

### If the parking brake cannot be released

In the event that the 12-volt battery is discharged or switch operation does not release the parking brake, the parking brake can be released manually using the procedure below. This procedure should be performed only if necessary, such as in an emergency.

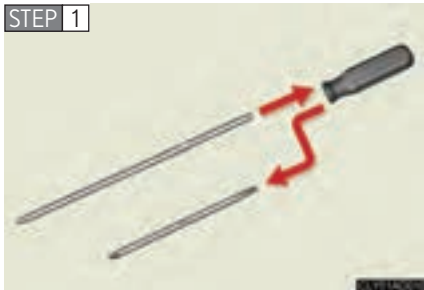
If the switch cannot be operated even when the 12-volt battery is normal, the parking brake system may be malfunctioning. Have the vehicle inspected by your Lexus dealer immediately.

#### ■ Before releasing the parking brake manually

- Shift the shift lever to "P".
- Turn the "POWER" switch to "OFF" mode.
- Check that the parking brake indicator is off.
- Chock the tires.

#### Releasing the parking brake manually

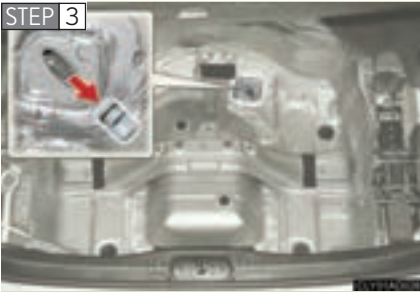
STEP 1



Take out the parking brake release tool and the screwdriver from the trunk. (→P. 610)

Install the parking brake release tool into the screwdriver handle.

STEP 2 Take out the spare tire. (→P. 610)



Remove the plug.



Insert the tool and press it down firmly while turning it counter-clockwise until it stops.

■ **Manual operation of the parking brake**

The parking brake cannot be set manually.

**! CAUTION**

■ **When releasing the parking brake manually**

- Shift the shift lever to "P", turn the "POWER" switch to "OFF" mode and chock the tires.  
Failure to do so may cause the vehicle to move, resulting in an accident.
- Turn the "POWER" switch to "OFF" mode and check that the parking brake indicator is off.  
Failure to do so may cause the system to operate and turn the parking brake release tool that is inserted, resulting in an injury.

## 5-2. Steps to take in an emergency

### If you lose your keys

New genuine Lexus keys can be made by your Lexus dealer using one of the other keys or the key number stamped on your key number plate.

## 5-2. Steps to take in an emergency

### If the electronic key does not operate properly

If communication between the electronic key and vehicle is interrupted (→P. 51) or the electronic key cannot be used because the battery is depleted, the smart access system with push-button start and wireless remote control cannot be used. In such cases, the doors and trunk can be opened or the hybrid system can be started by following the procedure below.

#### Locking and unlocking the doors, unlocking the trunk and key linked functions

##### ► Doors



Remove the cover on the driver's door handle using the mechanical key in order to perform the following operations:

- 1 Locks all doors
- 2 Closes the windows (turn and hold)

The moon roof will also close. (if equipped)

- 3 Unlocks the door

Turning the key rearward unlocks the driver's door. Turning the key once again unlocks the other doors.

- 4 Opens the windows (turn and hold)

The moon roof will also open. (if equipped)

Return the cover to the original position after use.

## ► Trunk



Turn the mechanical key clockwise to open.

### Changing "POWER" switch modes and starting the hybrid system

**STEP 1** Ensure that the shift lever is in "P" and apply the brakes.



Touch the Lexus emblem side of the electronic key to the "POWER" switch.

If any of the doors is opened or closed after the key was touched to the switch to start the vehicle, an alarm will sound to indicate that the start function cannot detect the key.



**STEP 3** To change “POWER” switch modes: Within 10 seconds of the buzzer sounding, release the brake pedal and press the “POWER” switch. Modes can be changed each time the switch is pressed. (→P. 164)

To start the hybrid system: Press the “POWER” switch within 10 seconds after the buzzer sounds, keeping the brake pedal depressed.

In the event that the hybrid system still cannot be operated, contact your Lexus dealer.

---

### ■ Stopping the hybrid system

Shift the shift lever to “P” and press the “POWER” switch as you normally do when stopping the hybrid system.

### ■ Replacing the key battery

As the above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery is depleted. (→P. 552)

## 5-2. Steps to take in an emergency

# If the vehicle 12-volt battery is discharged

The following procedures may be used to start the hybrid system if the vehicle's 12-volt battery is discharged.

You can call your Lexus dealer, Roadside Assistance or Lexus Customer Service Assistance.

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your Lexus following the steps below.

**STEP 1** Open the trunk lid and remove the 12-volt battery cover.  
(→P. 531)

In the event that the trunk opener cannot be used, use the mechanical key to open the trunk. (→P. 624)



Connect the jumper cables.

- 1** If required, remove all vent plugs from the booster battery. Lay a cloth over the open vents on the booster battery. (This helps reduce explosion hazard, personal injuries and burns.)
- 2** Positive (+) battery terminal on your vehicle
- 3** Positive (+) battery terminal on the second vehicle
- 4** Negative (-) battery terminal on the second vehicle
- 5** Negative (-) battery terminal on your vehicle

**STEP 3** Start the engine of the second vehicle. Increase the engine speed slightly and maintain that level for approximately 5 minutes to recharge the 12-volt battery of your vehicle.

**STEP 4** Open and close any of the doors with the “POWER” switch in “OFF” mode.

**STEP 5** Maintain the engine speed of the second vehicle and turn the “POWER” switch to “ON” mode, then start the hybrid system.

**STEP 6** Make sure the “READY” indicator comes on. If the indicator does not come on, contact your Lexus dealer.

**STEP 7** Once the hybrid system has started, remove the jumper cables in the exact reverse order in which they were connected.

Once the hybrid system starts, have the vehicle inspected at your Lexus dealer as soon as possible.

### ■ Avoiding a discharged 12-volt battery

- Turn off the headlights and the audio system while the hybrid system is off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic.

### ■ When the 12-volt battery is removed or discharged

- The hybrid system may not start. (→P. 532)
- The tire pressure warning system must be initialized. (→P. 536)


### CAUTION

#### ■ Avoiding 12-volt battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the 12-volt battery:

- Make sure each jumper cable is connected to the correct terminal.
- Do not allow the ends of the jumper cable used for the “+” terminals to come into contact with any other parts or metal surface in the area, such as brackets or unpainted metal.
- Do not allow the “+” and “-” terminals of the jumper cables to come into contact with each other.



 **CAUTION**

- Do not smoke, use matches, cigarette lighters or allow open flame near the 12-volt battery.

**■ 12-volt battery precautions**

The 12-volt battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the 12-volt battery:

- When working with the 12-volt battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the 12-volt battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention.  
Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- Do not allow children near the 12-volt battery.

 **NOTICE****■ To prevent damaging the vehicle**

Do not pull- or push-start the vehicle.  
This may cause serious damage to the hybrid system.

**■ When handling jumper cables**

Be careful that the jumper cables do not become tangled in the cooling fans or belt when connecting or disconnecting the cables.

## 5-2. Steps to take in an emergency

### If your vehicle overheats

The following may indicate that your vehicle is overheating:

- The high engine coolant temperature warning light comes on or flashes:  
The engine may be overheating.
- “Hybrid System Overheat” is shown on the multi-information display:  
The power control unit may be overheating.

Follow the correction procedure as described below.

#### Correction procedures

##### ■ If the engine coolant temperature warning light comes on or flashes

**STEP 1** Stop the vehicle in a safe place and turn off the air conditioning system.

**STEP 2** Check to see if steam is coming out from the engine area.

If you see steam:

Stop the hybrid system and carefully lift the hood.

If you do not see steam:

Leave the hybrid system operating and carefully lift the hood.

**STEP 3** Remove the engine compartment cover. (→P. 519)

**STEP 4** Check if the cooling fans are operating.

If the fans are operating:

Wait until the high coolant temperature warning light goes off and then stop the hybrid system.

If the fans are not operating:

Stop the hybrid system immediately and call your local Lexus dealer.

STEP 5



After the hybrid system has cooled down, check the engine coolant level and inspect the cooling system for leaks.

STEP 6



Add engine coolant if necessary.

Water can be used in an emergency if engine coolant is unavailable. (→P. 641)

■ If “Hybrid System Overheat” is shown on the multi-information display

**STEP 1** Stop the vehicle in a safe place and turn off the air conditioning system.

**STEP 2** Leave the hybrid system operating and carefully lift the hood.

**STEP 3** Remove the engine compartment cover. (→P. 519)

**STEP 4** Check if the cooling fans are operating.

If the fans are operating:

Wait until “Hybrid System Overheat” disappears and then stop the hybrid system.

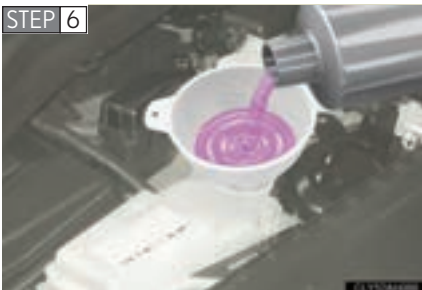
If the message does not disappear, call your Lexus dealer.

If the fans are not operating:

Stop the hybrid system immediately and call your local Lexus dealer.



After the hybrid system has cooled down, check the power control unit coolant level and inspect the cooling system for leaks.



Add power control unit coolant if necessary.

Water can be used in an emergency if power control unit coolant is unavailable. (→P. 641)

Have the vehicle inspected at your nearest Lexus dealer as soon as possible.

### ■ Overheating

The following symptoms may occur when your vehicle is overheating:

- Hybrid system output decreases.
- Steam is coming from the engine area.

### CAUTION

#### ■ To prevent an accident or injury when inspecting under the hood of your vehicle

- With a hybrid vehicle, there are times when the gasoline engine automatically starts to run or the cooling fans suddenly start to operate. Do not touch or approach the rotating parts of the belt or fans. Doing so may lead to fingers, clothes or tools getting caught, resulting in an accidental injury.
- Do not loosen the coolant reservoir cap while the hybrid system and radiator are hot.  
Serious injury, such as burns, may result from hot coolant and steam released under pressure.

### NOTICE

#### ■ When adding engine/power control unit coolant

Wait until the hybrid system has cooled down before adding engine/power control unit coolant.

When adding coolant, do so slowly. Adding cool coolant to a hot hybrid system too quickly can cause damage to the hybrid system.

## 5-2. Steps to take in an emergency If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt, or snow:

**STEP 1** Stop the hybrid system. Set the parking brake and put the shift lever in "P".

**STEP 2** Remove the mud, snow, or sand from around the stuck tire.

**STEP 3** Place wood, stones or some other material to help provide traction under the tires.

**STEP 4** Restart the hybrid system.

**STEP 5** Shift the shift lever to the "D" or "R" position and carefully apply the accelerator to free the vehicle.

Turn off TRAC/VSC if these functions are hampering your attempts to free the vehicle. (→ P. 225)

### CAUTION

#### ■ When attempting to free a stuck vehicle

If you choose to rock the vehicle back and forth to free it, make sure the surrounding area is clear to avoid striking other vehicles, objects or persons. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

#### ■ When shifting the shift lever

Be careful not to shift the shift lever with the accelerator pedal depressed. This may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

### NOTICE

#### ■ To avoid damaging the transmission and other components

- Avoid spinning the wheels.
- If the vehicle remains stuck after trying these procedures, the vehicle may require towing to be freed.

**6-1. Specifications..... 636**  
Maintenance data  
(fuel, oil level, etc.) ..... 636  
Fuel information ..... 647  
Tire information..... 650

**6-2. Customization..... 661**  
Customizable features ..... 661

**6-3. Initialization ..... 666**  
Items to initialize ..... 666

## 6-1. Specifications

### Maintenance data (fuel, oil level, etc.)

#### Dimensions and weights

Overall length	202.8 in. (5150 mm)
Overall width	73.8 in. (1875 mm)
Overall height * <sup>1</sup>	58.3 in. (1480 mm)
Wheelbase	121.7 in. (3090 mm)
Tread	Front 63.6 in. (1615 mm)* <sup>2</sup> 63.4 in. (1610 mm)* <sup>3</sup>
	Rear 63.6 in. (1615 mm)* <sup>2</sup> 63.4 in. (1610 mm)* <sup>3</sup>
Vehicle capacity weight (Occupants + luggage)	825 lb. (375 kg)* <sup>4</sup> 675 lb. (307 kg)* <sup>5</sup>

\*<sup>1</sup>: Unladen vehicles

\*<sup>2</sup>: Vehicles with 18-inch tires

\*<sup>3</sup>: Vehicles with 19-inch tires

\*<sup>4</sup>: 5-seat models

\*<sup>5</sup>: 4-seat models



## Vehicle identification

### ■ Vehicle identification number

The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Lexus. It is used in registering the ownership of your vehicle.



This number is stamped on the top left of the instrument panel and in the engine compartment.



This number is also on the Certification Label.

■ Engine number and electric motor (traction motor) number



The numbers are stamped on the locations shown in the above illustration.

**Engine**

Model	2UR-FSE
Type	8-cylinder V type, 4-cycle, gasoline
Bore and stroke	3.70 × 3.52 in. (94.0 × 89.5 mm)
Displacement	303.2 cu.in. (4969 cm <sup>3</sup> )
Drive belt tension	Automatic adjustment

**Fuel**

Fuel type	Premium unleaded gasoline only
Octane rating	91 (Research octane number 96) or higher
Fuel tank capacity	22.1 gal. (84 L, 18.4 Imp.gal.)

**Electric motor (Traction motor)**

Type	Permanent magnet synchronous motor
Maximum output	165 kW
Maximum torque	221.3 ft•lbf (300 N•m, 30.6 kgf•m)

**Hybrid battery (Traction battery)**

Type	Nickel-Metal hydride battery
Voltage	14.4 V/module
Capacity	6.5 Ah (3HR)
Quantity	20 modules
Overall voltage	288 V

**Lubrication system**

<p>Oil capacity (drain and refill)</p> <p>with filter</p> <p>without filter</p>	<p>9.5 qt. (9.0 L, 7.9 Imp.qt.)</p> <p>8.9 qt. (8.4 L, 7.4 Imp.qt.)</p>
<p>Oil grade</p>	<p>ILSAC multi-grade engine oil</p>
<p>Recommended oil viscosity</p>	<p>Use Lexus approved “Toyota Genuine Motor Oil” or equivalent to satisfy the grade and viscosity shown below.</p> <div data-bbox="455 651 884 943" style="text-align: center;"> <p>Temperature range anticipated before next oil change</p> </div> <p>OW-20 is an oil that provides optimal levels of fuel efficiency.</p>

Oil viscosity

- The OW portion of the oil viscosity rating indicates a characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 20 in OW-20 indicates the oil viscosity when the oil is at its operating temperature. An oil with a higher viscosity may be better suited if the vehicle is operated at high speeds, or under extreme load condition.

## Cooling system

Capacity	
Gasoline engine	11.7 qt. (11.1 L, 9.8 Imp.qt.)
Power control unit	2.5 qt. (2.4 L, 2.1 Imp.qt.)
Coolant type	<p>Use either of the following:</p> <ul style="list-style-type: none"> <li>• “Toyota Super Long Life Coolant”</li> <li>• Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology</li> </ul> <p>Do not use plain water alone.</p>

## Ignition system

Spark plug	
Make	DENSO FK20HBR11
Gap	0.043 in. (1.1 mm)

### NOTICE

#### Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust spark plug gap.

## Electrical system

12-volt battery	
Open voltage* at 68°F (20°C):	12.6 — 12.8 V Fully charged 12.2 — 12.4 V Half charged 11.8 — 12.0 V Discharged (*: Voltage checked 20 minutes after the hybrid system and all the lights are turned off)
Charging rates	5 A max.

## Transmission

Fluid capacity	
Drain	3.38 qt. (3.2 L, 2.82 Imp.qt.)
Refill (including overflow volume)	3.81 qt. (3.6 L, 3.17 Imp.qt.) The fluid capacity is a reference quantity. If replacement is necessary, contact your Lexus dealer.
Fluid type	Toyota Genuine ATF WS

### NOTICE

#### ■ Transmission fluid type

Using transmission fluid other than “Toyota Genuine ATF WS” may cause deterioration in shift quality, locking up of your transmission accompanied by vibration, and ultimately damage the transmission of your vehicle.

## Transfer

Oil capacity	0.74 qt. (0.7 L, 0.62 Imp.qt.)
Oil type and viscosity	Toyota Genuine Differential gear oil LX 75W-85 GL-5 or equivalent

**Differential (front)**

Oil capacity	0.79 qt. (0.75 L, 0.66 Imp.qt.)
Oil type and viscosity	Toyota Genuine Differential gear oil LT 75W-85 GL-5 or equivalent

**Differential (rear)**

Oil capacity	1.42 qt. (1.35 L, 1.19 Imp.qt.)
Oil type and viscosity	Toyota Genuine Differential gear oil LX 75W-85 GL-5 or equivalent

**Brakes**

Pedal clearance *	3.7 in. (95.0 mm) Min.
Pedal free play	0.04 — 0.08 in. (1.0 — 2.0 mm)
Brake pad wear limit	0.04 in. (1.0 mm)
Parking brake lining wear limit	0.04 in. (1.0 mm)
Fluid type	SAE J1703 or FMVSS No. 116 DOT 3

\*: Minimum pedal clearance when depressed with a force of 50 lbf (200 N, 20 kgf)

**Steering**

Free play	Less than 1.2 in. (30 mm)
-----------	---------------------------

## Tires and wheels

### ► 18-inch tires (type A)

Tire size	235/50R18 97W
Tire inflation pressure (Recommended cold tire inflation pressure)	<p>Driving under normal conditions</p> <p>Front: 35 psi (240 kPa, 2.4 kgf/cm<sup>2</sup> or bar)</p> <p>Rear: 35 psi (240 kPa, 2.4 kgf/cm<sup>2</sup> or bar)</p> <p>Spare: 35 psi (240 kPa, 2.4 kgf/cm<sup>2</sup> or bar)</p> <p>Driving at high speeds (above 100 mph [160 km/h]) (in countries where such speeds are permitted by law)</p> <p>Add 9 psi (60 kPa, 0.6 kgf/cm<sup>2</sup> or bar) to the front tires and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall.</p>
Wheel size	18 × 7 1/2J
Wheel nut torque	103.3 ft•lbf (140 N•m, 14.3 kgf•m)

### ► 18-inch tires (type B)

Tire size	P235/50R18 97V
Tire inflation pressure (Recommended cold tire inflation pressure)	<p>Driving under normal conditions</p> <p>Front: 33 psi (230 kPa, 2.3 kgf/cm<sup>2</sup> or bar)</p> <p>Rear: 33 psi (230 kPa, 2.3 kgf/cm<sup>2</sup> or bar)</p> <p>Spare: 33 psi (230 kPa, 2.3 kgf/cm<sup>2</sup> or bar)</p> <p>Driving at high speeds (above 100 mph [160 km/h]) (in countries where such speeds are permitted by law)</p> <p>Add 6 psi (40 kPa, 0.4 kgf/cm<sup>2</sup> or bar) to the front tires and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall.</p>
Wheel size	18 × 7 1/2J
Wheel nut torque	103.3 ft•lbf (140 N•m, 14.3 kgf•m)



## ► 19-inch tires (type A)

Tire size	245/45R19 98Y
Tire inflation pressure (Recommended cold tire inflation pressure)	<p>Driving under normal conditions</p> <p>Front: 33 psi (230 kPa, 2.3 kgf/cm<sup>2</sup> or bar)</p> <p>Rear: 35 psi (240 kPa, 2.4 kgf/cm<sup>2</sup> or bar)</p> <p>Spare: 35 psi (240 kPa, 2.4 kgf/cm<sup>2</sup> or bar)</p> <p>Driving at high speeds (above 100 mph [160 km/h]) (in countries where such speeds are permitted by law)</p> <p>Add 11 psi (70 kPa, 0.7 kgf/cm<sup>2</sup> or bar) to the front tires, 9 psi (60 kPa, 0.6 kgf/cm<sup>2</sup> or bar) to the rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall.</p>
Wheel size	19 × 8J
Wheel nut torque	103.3 ft•lbf (140 N•m, 14.3 kgf•m)

## ► 19-inch tires (type B)

Tire size	P245/45R19 98V
Tire inflation pressure (Recommended cold tire inflation pressure)	<p>Driving under normal conditions</p> <p>Front: 33 psi (230 kPa, 2.3 kgf/cm<sup>2</sup> or bar)</p> <p>Rear: 35 psi (240 kPa, 2.4 kgf/cm<sup>2</sup> or bar)</p> <p>Spare: 35 psi (240 kPa, 2.4 kgf/cm<sup>2</sup> or bar)</p> <p>Driving at high speeds (above 100 mph [160 km/h]) (in countries where such speeds are permitted by law)</p> <p>Add 6 psi (40 kPa, 0.4 kgf/cm<sup>2</sup> or bar) to the front tires and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall.</p>
Wheel size	19 × 8J
Wheel nut torque	103.3 ft•lbf (140 N•m, 14.3 kgf•m)

<b>Light bulbs</b>
--------------------

	Light Bulbs	Bulb No.	W	Type
Exterior	Headlights (high beam)	9005	60	A
	Headlights (low beam - discharge bulbs)	—	35	B
	Front side marker lights (with discharge headlights)	194	3.8	C
	Front turn signal lights	—	21	D
	Parking lights (with discharge headlights)	—	5	C
	Front fog lights	9006	51	E
	Trunk lid light	194	3.8	C
	Trunk light	—	3.8	C
	Rear turn signal lights	921	16	C
	Back-up lights	921	16	C
	Outer foot lights	—	5	C
Interior	Vanity lights Front	—	8	C
	Rear	—	3	F
	Interior lights Front	—	8	C
	Rear	—	8	F
	Door courtesy lights	—	5	C

- A: HB3 halogen bulbs
- B: D4S discharge bulbs
- C: Wedge base bulbs (clear)
- D: Wedge base bulbs (amber)
- E: HB4 halogen bulbs
- F: Double end bulbs

# Fuel information

You must only use unleaded gasoline in your vehicle.

Premium unleaded gasoline with an Octane Rating of 91 (Research Octane Number 96) or higher is required for optimum engine performance.

At minimum, the gasoline you use should meet the specifications of ASTM D4814 in the U.S.A. and CGSB3.5-M93 in Canada.

### ■ Fuel tank opening for unleaded gasoline

To help prevent incorrect fueling, your Lexus has a fuel tank opening that only accommodates the special nozzle on unleaded fuel pumps.

### ■ If premium gasoline is not available

If 91 Octane cannot be obtained, you may use unleaded gasoline with an octane rating as low as 87 (Research Octane Number 91).

### ■ If your engine knocks

- Consult your Lexus dealer.
- You may occasionally notice light knocking for a short time while accelerating or driving uphill. This is normal and there is no need for concern.

### ■ Gasoline quality

In very few cases, driveability problems may be caused by the brand of gasoline you are using. If driveability problems persist, try changing the brand of gasoline. If this does not correct the problem, consult your Lexus dealer.

### ■ Gasoline quality standards

- Automotive manufacturers in the US, Europe and Japan have developed a specification for fuel quality called World-Wide Fuel Charter (WWFC) that is expected to be applied worldwide.
- The WWFC consists of four categories that are based on required emission levels. In the US, category 4 has been adopted.
- The WWFC improves air quality by lowering emissions in vehicle fleets, and customer satisfaction through better performance.

### ■ Lexus recommends the use of gasoline containing detergent additives

- Lexus recommends the use of gasoline that contains detergent additives to avoid build-up of engine deposits.
- All gasoline sold in the US contains detergent additives to clean and/or keep clean intake systems.

### ■ Lexus recommends the use of cleaner burning gasoline

Cleaner burning gasoline, including reformulated gasoline that contains oxygenates such as ethanol or MTBE (Methyl Tertiary Butyl Ether) is available in many areas.

Lexus recommends the use of cleaner burning gasoline and appropriately blended reformulated gasoline. These types of gasoline provide excellent vehicle performance, reduce vehicle emissions and improve air quality.

### ■ Lexus does not recommend blended gasoline

- Lexus allows the use of oxygenate blended gasoline where the oxygenate content is up to 10% ethanol or 15% MTBE.
- If you use gasohol in your Lexus, be sure that it has an octane rating no lower than 87.
- Lexus does not recommend the use of gasoline containing methanol.

### ■ Lexus does not recommend gasoline containing MMT

Some gasoline contains octane enhancing additive called MMT (Methylcyclopentadienyl Manganese Tricarbonyl).

Lexus does not recommend the use of gasoline that contains MMT. If fuel containing MMT is used, your emission control system may be adversely affected.

The malfunction indicator lamp on the instrument cluster may come on. If this happens, contact your Lexus dealer for service.

 NOTICE**■ Notice on gasoline quality**

- Do not use leaded gasoline.

Leaded gasoline can cause damage to your vehicle's three-way catalytic converters causing the emission control system to malfunction.

- Do not use gasohol other than that stated here.

Other gasohol may cause fuel system damage or vehicle performance problems.

- Use of unleaded gasoline with an octane rating lower than 91 may result in engine knocking and significantly reduced performance. Persistent knocking can lead to engine damage and should be corrected by refueling with higher octane unleaded gasoline.

**■ Fuel-related poor driveability**

If after using a different type of fuel, poor driveability is encountered (poor hot starting, vaporization, engine knocking, etc.), discontinue the use of that type of fuel.

**■ When refueling with gasohol**

Take care not to spill gasohol. It can damage your vehicle's paint.

## 6-1. Specifications

# Tire information

### Typical tire symbols



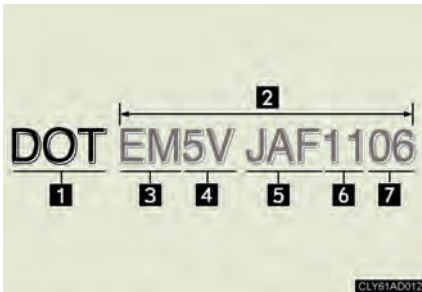
- 1** Tire size (→P. 652)
- 2** DOT and Tire Identification Number (TIN) (→P. 651)
- 3** Location of tread wear indicators (→P. 653)
- 4** Tire ply composition and materials  
Plies are layers of rubber-coated parallel cords. Cords are the strands which form the plies in a tire.
- 5** Radial tires or bias-ply tires  
A radial tire has RADIAL on the sidewall. A tire not marked RADIAL is a bias-ply tire.
- 6** TUBELESS or TUBE TYPE  
A tubeless tire does not have a tube and air is directly filled in the tire. A tube type tire has a tube inside the tire and the tube maintains the air pressure.
- 7** Load limit at maximum cold tire inflation pressure (→P. 655)
- 8** Maximum cold tire inflation pressure (→P. 655)  
This means the pressure to which a tire may be inflated.
- 9** Uniform tire quality grading  
For details, see “Uniform Tire Quality Grading” that follows.

**10** Summer tires or all season tires

(→P. 653)

An all season tire has “M+S” on the sidewall. A tire not marked “M+S” is a summer tire.

### Typical DOT and Tire Identification Number (TIN)

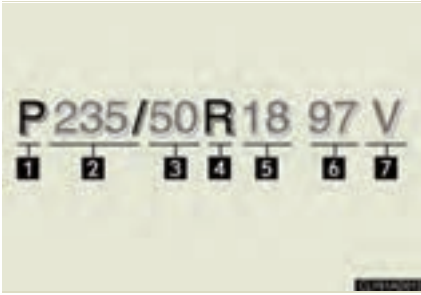


- 1** DOT symbol\*
- 2** Tire Identification Number (TIN)
- 3** Tire manufacturer's identification mark
- 4** Tire size code
- 5** Manufacturer's optional tire type code (3 or 4 letters)
- 6** Manufacturing week
- 7** Manufacturing year

\*:The DOT symbol certifies that the tire conforms to applicable Federal Motor Vehicle Safety Standards.

## Tire size

### Typical tire size information



The illustration indicates typical tire size.

- 1 Tire use  
(P = Passenger car,  
T = Temporary use)
- 2 Section width (millimeters)
- 3 Aspect ratio  
(tire height to section width)
- 4 Tire construction code  
(R = Radial, D = Diagonal)
- 5 Wheel diameter (inches)
- 6 Load index (2 or 3 digits)
- 7 Speed symbol  
(alphabet with one letter)

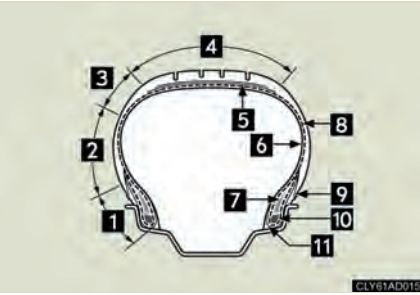
### Tire dimensions



- 1 Section width
- 2 Tire height
- 3 Wheel diameter



## Tire section names



- 1 Bead
- 2 Sidewall
- 3 Shoulder
- 4 Tread
- 5 Belt
- 6 Inner liner
- 7 Reinforcing rubber
- 8 Carcass
- 9 Rim lines
- 10 Bead wires
- 11 Chafer

## Uniform Tire Quality Grading

This information has been prepared in accordance with regulations issued by the National Highway Traffic Safety Administration of the U.S.A. Department of Transportation.

It provides the purchasers and/or prospective purchasers of Lexus vehicles with information on uniform tire quality grading.

Your Lexus dealer will help answer any questions you may have as you read this information.

### ■ DOT quality grades

All passenger vehicle tires must conform to Federal Safety Requirements in addition to these grades. Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width.

For example: Treadwear 200 Traction AA Temperature A

### ■ Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course.

For example, a tire graded 150 would wear one and a half (1.5) times as well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

### ■ Traction AA, A, B, C

The traction grades, from highest to lowest, are AA, A, B and C, and they represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete.

A tire marked C may have poor traction performance.

Warning: The traction grade assigned to this tire is based on braking (straight ahead) traction tests and does not include cornering (turning) traction.

### ■ Temperature A, B, C

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure.

Grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109.

Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Warning: The temperature grades of a tire assume that it is properly inflated and not overloaded.

Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

### Glossary of tire terminology


Tire related term	Meaning
Cold tire inflation pressure	Tire pressure when the vehicle has been parked for three hours or more, or has not been driven more than 1 mile or 1.5 km under that condition
Maximum inflation pressure	The maximum cold inflated pressure to which a tire may be inflated, shown on the sidewall of the tire
Recommended inflation pressure	Cold tire inflation pressure recommended by a manufacturer
Accessory weight	The combined weight (in excess of those standard items which may be replaced) of automatic transmission, power steering, power brakes, power windows, power seats, radio and heater, to the extent that these items are available as factory-installed equipment (whether installed or not)
Curb weight	The weight of a motor vehicle with standard equipment, including the maximum capacity of fuel, oil and coolant, and if so equipped, air conditioning and additional weight optional engine
Maximum loaded vehicle weight	The sum of: (a) Curb weight (b) Accessory weight (c) Vehicle capacity weight (d) Production options weight
Normal occupant weight	150 lb. (68 kg) times the number of occupants specified in the second column of Table 1* that follows

## 6-1. Specifications

Tire related term	Meaning
Occupant distribution	Distribution of occupants in a vehicle as specified in the third column of Table 1* below
Production options weight	The combined weight of installed regular production options weighing over 5 lb. (2.3 kg) in excess of the standard items which they replace, not previously considered in curb weight or accessory weight, including heavy duty brakes, ride levelers, roof rack, heavy duty 12-volt battery, and special trim
Rim	A metal support for a tire or a tire and tube assembly upon which the tire beads are seated
Rim diameter (Wheel diameter)	Nominal diameter of the bead seat
Rim size designation	Rim diameter and width
Rim type designation	The industry manufacturer's designation for a rim by style or code
Rim width	Nominal distance between rim flanges
Vehicle capacity weight (Total load capacity)	The rated cargo and luggage load plus 150 lb. (68 kg) times the vehicle's designated seating capacity
Vehicle maximum load on the tire	The load on an individual tire that is determined by distributing to each axle its share of the maximum loaded vehicle weight, and dividing by two
Vehicle normal load on the tire	The load on an individual tire that is determined by distributing to each axle its share of curb weight, accessory weight, and normal occupant weight (distributed in accordance with Table 1* below), and dividing by two
Weather side	The surface area of the rim not covered by the inflated tire

Tire related term	Meaning
Bead	The part of the tire that is made of steel wires, wrapped or reinforced by ply cords and that is shaped to fit the rim
Bead separation	A breakdown of the bond between components in the bead
Bias ply tire	A pneumatic tire in which the ply cords that extend to the beads are laid at alternate angles substantially less than 90 degrees to the centerline of the tread
Carcass	The tire structure, except tread and sidewall rubber which, when inflated, bears the load
Chunking	The breaking away of pieces of the tread or sidewall
Cord	The strands forming the plies in the tire
Cord separation	The parting of cords from adjacent rubber compounds
Cracking	Any parting within the tread, sidewall, or innerliner of the tire extending to cord material
CT	A pneumatic tire with an inverted flange tire and rim system in which the rim is designed with rim flanges pointed radially inward and the tire is designed to fit on the underside of the rim in a manner that encloses the rim flanges inside the air cavity of the tire
Extra load tire	A tire designed to operate at higher loads and at higher inflation pressures than the corresponding standard tire
Groove	The space between two adjacent tread ribs
Innerliner	The layer(s) forming the inside surface of a tubeless tire that contains the inflating medium within the tire
Innerliner separation	The parting of the innerliner from cord material in the carcass

Tire related term	Meaning
Intended outboard sidewall	(a) The sidewall that contains a whitewall, bears white lettering, or bears manufacturer, brand, and/or model name molding that is higher or deeper than the same molding on the other sidewall of the tire, or (b) The outward facing sidewall of an asymmetrical tire that has a particular side that must always face outward when mounted on a vehicle
Light truck (LT) tire	A tire designated by its manufacturer as primarily intended for use on lightweight trucks or multipurpose passenger vehicles
Load rating	The maximum load that a tire is rated to carry for a given inflation pressure
Maximum load rating	The load rating for a tire at the maximum permissible inflation pressure for that tire
Maximum permissible inflation pressure	The maximum cold inflation pressure to which a tire may be inflated
Measuring rim	The rim on which a tire is fitted for physical dimension requirements
Open splice	Any parting at any junction of tread, sidewall, or innerliner that extends to cord material
Outer diameter	The overall diameter of an inflated new tire
Overall width	The linear distance between the exteriors of the sidewalls of an inflated tire, including elevations due to labeling, decorations, or protective bands or ribs
Passenger car tire	A tire intended for use on passenger cars, multipurpose passenger vehicles, and trucks, that have a gross vehicle weight rating (GVWR) of 10,000 lb. or less.
Ply	A layer of rubber-coated parallel cords

Tire related term	Meaning
Ply separation	A parting of rubber compound between adjacent plies
Pneumatic tire	A mechanical device made of rubber, chemicals, fabric and steel or other materials, that, when mounted on an automotive wheel, provides the traction and contains the gas or fluid that sustains the load
Radial ply tire	A pneumatic tire in which the ply cords that extend to the beads are laid at substantially 90 degrees to the centerline of the tread
Reinforced tire	A tire designed to operate at higher loads and at higher inflation pressures than the corresponding standard tire
Section width	The linear distance between the exteriors of the sidewalls of an inflated tire, excluding elevations due to labeling, decoration, or protective bands
Sidewall	That portion of a tire between the tread and bead
Sidewall separation	The parting of the rubber compound from the cord material in the sidewall
Snow tire	A tire that attains a traction index equal to or greater than 110, compared to the ASTM-E 1136 Standard Reference Test Tire, when using the snow traction test as described in ASTM F-1805-00, Standard Test Method for Signal Wheel Driving Traction in a Straight Line on Snow-and Ice-Covered Surfaces, and which is marked with an Alpine Symbol (  ) on at least one sidewall
Test rim	The rim on which a tire is fitted for testing, and may be any rim listed as appropriate for use with that tire

## 6-1. Specifications

Tire related term	Meaning
Tread	That portion of a tire that comes into contact with the road
Tread rib	A tread section running circumferentially around a tire
Tread separation	Pulling away of the tread from the tire carcass
Treadwear indicators (TWI)	The projections within the principal grooves designed to give a visual indication of the degrees of wear of the tread
Wheel-holding fixture	The fixture used to hold the wheel and tire assembly securely during testing

\*: Table 1 — Occupant loading and distribution for vehicle normal load for various designated seating capacities

Designated seating capacity, Number of occupants	Vehicle normal load, Number of occupants	Occupant distribution in a normally loaded vehicle
2 through 4	2	2 in front
5 through 10	3	2 in front, 1 in second seat
11 through 15	5	2 in front, 1 in second seat, 1 in third seat, 1 in fourth seat
16 through 20	7	2 in front, 2 in second seat, 2 in third seat, 1 in fourth seat



## Customizable features

Your vehicle includes a variety of electronic features that can be personalized to your preferences. Programming these preferences requires specialized equipment and may be performed by an authorized Lexus dealership.

Some function settings are changed simultaneously with other functions being customized. Contact your Lexus dealer for further details.

Item	Function	Default setting	Customized setting
Smart access system with push-button start (→P. 46)	Smart access system with push-button start	On	Off
	Operation signal (Emergency flashers)	On	Off
Wireless remote control (→P. 60)	Wireless remote control	On	Off
	Unlocking operation	Driver's door unlocked in one step, all doors unlocked in two steps	All doors unlocked in one step
	Automatic door lock function to be activated if door is not opened after being unlocked	On	Off

Item	Function	Default setting	Customized setting
Wireless remote control (→P. 60)	Time elapsed before automatic lock function is activated if door is not opened after being unlocked	60 seconds	30 seconds
			120 seconds
	Operational signal (Emergency flashers)	On	Off
	Door lock buzzer	On	Off
	Trunk unlocking operation	Press and hold	Press twice
			One short press
Panic function	On	Off	
Door lock (→P. 63, 624)	Speed-detecting automatic door lock function	Off	On
	Opening driver's door unlocks all doors.	Off	On
	Shifting gears to "P" unlocks all doors.	On	Off
	Shifting gears to position other than "P" locks all doors.	On	Off
	Unlocking using a key	Driver's door unlocked in one step, all doors unlocked in two steps	All doors unlocked in one step
Trunk (→P. 68)	Power trunk opener and closer function	On	Off

Item	Function	Default setting	Customized setting
Power windows (→P. 103)	Mechanical key linked operation	On	Off
	Mechanical key linked operation	Open and close	Open only
			Close only
	Wireless remote control linked operation	On	Off
Linked entry operation	On	Off	
Moon roof (→P. 105)	Mechanical key linked operation	On	Off
	Mechanical key linked operation	Open and close	Open only
			Close only
	Linked operation of components when door key is used	Slide only	Tilt only
	Wireless remote control linked operation	On	Off
	Linked operation of components when wireless remote control is used	Slide only	Tilt only
Linked entry function	On	Off	
Automatic light control system (→P. 188)	Light sensor sensitivity	Level 3	Level 1 to 5
	Time elapsed before headlights automatically turn off after doors are closed	30 seconds	0 seconds
			60 seconds
		90 seconds	

Item	Function	Default setting	Customized setting
Lights (→P. 188)	Daytime running light system (U.S.A. only)	On	Off
Intuitive parking assist (→P. 209)	Buzzer volume	Level 3	Level 1 to 5
	Distance at which the front and back sensors detect an obstacle	Level 1	Level 2
Illumination (→P. 431)	Time elapsed before lights turn off	15 seconds	7.5 seconds
			30 seconds
	Operation when the doors are unlocked	On	Off
	Operation after the "POWER" switch is turned to "OFF" mode	On	Off
	Footwell lighting	On	Off
	Shift lever lighting	On	Off
	Outer foot lights	On	Off
Seat belt reminder (→P. 601)	Vehicle speed linked seat belt reminder buzzer	On	Off

**Multi-information display (→P. 184)**

Country	Available languages
U.S.A.	English and Spanish
Canada	English, French, German, Spanish and Italian

## 6-3. Initialization

### Items to initialize

The following items must be initialized for normal system operation in cases such as after the 12-volt battery is reconnected, or maintenance is performed on the vehicle:

Item	When to initialize	Reference
Engine oil maintenance data	After changing engine oil	P. 524
Tire pressure warning system	<ul style="list-style-type: none"><li>• When tire pressure sensors are replaced</li><li>• When driving with the tires inflated to a higher than standard tire pressure</li><li>• When rotating front and rear tires which have different tire inflation pressures</li></ul>	P. 535



## Reporting safety defects for U.S. owners

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying the Lexus Division of Toyota Motor Sales, U.S.A., Inc. (Toll-free: 1-800-25-LEXUS).

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Lexus Division of Toyota Motor Sales, U.S.A., Inc.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to <http://www.safercar.gov>; or write to: Administrator, NHTSA, 400 Seventh Street, SW., Washington, DC 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.



## Index

**Abbreviation list .....670**

**Alphabetical index..... 672**

**What to do if... .....682**

For details of equipment related to the navigation system, such as the audio system and clock, refer to the "Navigation System Owner's Manual".

## Abbreviation list

# Abbreviation/Acronym list

ABBREVIATIONS	MEANING
A/C	Air Conditioner
ABS	Anti-Lock Brake System
ACC	Accessory
AFS	Adaptive Front-lighting System
ALR	Automatic Locking Retractor
BA	Brake Assist
CAL	Calibration
CHG	Charge
CRS	Child Restraint System
DISP	Display
ECO	Economy/Ecology
ECU	Electronic Control Unit
EDR	Event data recorder
ELR	Emergency Locking Retractor
EPS	Electric Power Steering
EV	Electric Vehicle
GAWR	Gross Axle Weight Ratings
GPS	Global Positioning System
I/M	Emission inspection and maintenance
INFO	Information
LED	Light Emitting Diode
MMT	Methylcy clopentadienyl Manganese Tricarbonyl
M + S	Mud and Snow
MTBE	Methyl Tertiary Butyl Ether
OBD	On Board Diagnostics

ABBREVIATIONS	MEANING
PCS	Pre-Collision System
PWR	Power
SRS	Supplemental Restraint System
TIN	Tire Identification Number
TPMS	Tire Pressure Warning System
TRAC	Traction Control
VDIM	Vehicle Dynamics Integrated Management
VGRS	Variable Gear Ratio Steering
VIB	Vibration
VIN	Vehicle Identification Number
VSC	Vehicle Stability Control

<b>A</b>	<p><b>A/C (Air conditioning system)</b></p> <ul style="list-style-type: none"> <li>Air conditioning filter ..... 549</li> <li>Automatic air conditioning system ..... 262, 271, 281</li> <li>Front air conditioning system ..... 262, 271</li> <li>Rear air conditioning system ..... 281</li> </ul> <p><b>ABS (Anti-lock brake system) ..... 223</b></p> <p><b>“ACC” mode</b></p> <ul style="list-style-type: none"> <li>(Accessory mode) ..... 164</li> </ul> <p><b>AFS (Adaptive front lighting system) ..... 189</b></p> <p><b>Adaptive front lighting system (AFS) ..... 189</b></p> <p><b>Air conditioning filter ..... 549</b></p> <p><b>Air conditioning system (A/C)</b></p> <ul style="list-style-type: none"> <li>Air conditioning filter ..... 549</li> <li>Front air conditioning system ..... 262, 271</li> <li>Rear air conditioning system ..... 281</li> </ul> <p><b>Airbags</b></p> <ul style="list-style-type: none"> <li>Airbag operating conditions ..... 124</li> <li>Airbag precautions for your child ..... 129</li> <li>Airbag warning light ..... 600</li> <li>Curtain shield airbag operating conditions ..... 125</li> <li>Curtain shield airbag precautions ..... 129</li> <li>Front passenger occupant classification system ..... 134</li> <li>General airbag precautions ..... 129</li> <li>Locations of airbags ..... 120</li> <li>Modification and disposal of airbags ..... 133</li> <li>Proper driving posture ..... 118, 129</li> <li>Side airbag operating conditions ..... 125</li> <li>Side airbag precautions ..... 129</li> <li>SRS airbags ..... 120</li> </ul> <p><b>Alarm ..... 115</b></p> <p><b>Antenna ..... 299</b></p> <p><b>Anti-lock brake system (ABS) ..... 223</b></p> <p><b>Armrest ..... 465</b></p> <p><b>Ashtrays ..... 453</b></p> <p><b>Audio input (AUX adapter) ..... 342</b></p> <p><b>Audio system</b></p> <ul style="list-style-type: none"> <li>Antenna ..... 299</li> <li>Audio input (AUX adapter) ..... 342</li> <li>AUX adapter (audio input) ..... 342</li> <li>A/V input adapter ..... 384</li> <li>CD player/changer ..... 303</li> <li>DVD player ..... 300, 359, 360</li> <li>MP3/WMA disc ..... 307</li> <li>Optimal use ..... 338</li> <li>Portable music player ..... 342</li> <li>Radio ..... 295</li> <li>Rear seat audio system ..... 343</li> <li>Rear seat entertainment system ..... 349</li> <li>Steering wheel audio switch ..... 347</li> </ul> <p><b>Automatic air conditioning system</b></p> <ul style="list-style-type: none"> <li>Air conditioning filter ..... 549</li> <li>Automatic air conditioning system ..... 262, 271, 281</li> <li>Front air conditioning system ..... 262, 271</li> <li>Rear air conditioning system ..... 281</li> </ul> <p><b>Automatic headlight leveling system ..... 190</b></p> <p><b>Automatic light control system ..... 188</b></p> <p><b>AUX adapter (audio input) ..... 342</b></p> <p><b>A/V input adapter ..... 384</b></p>
----------	---

- B**
- BA (Brake assist).....223
  - Back-up lights
    - Wattage.....646
  - Battery
    - Checking.....531
    - Hybrid battery
      - (traction battery).....33
    - If the vehicle has discharged
      - 12-volt battery.....627
    - Preparing and checking before
      - winter.....246
  - Bluetooth®.....388
  - Brakes
    - Fluid.....529
    - Brake hold.....176
    - Parking brake.....174
  - Brake assist (BA).....223
  - Brake hold.....176
- C**
- Care
    - Exterior.....500
    - Interior.....503
    - Seat belts.....504
  - Cargo capacity.....241
  - Cargo hooks.....478
  - CD changer.....303
  - CD player.....303
  - Chains.....246
  - Child restraint system (CRS)
    - Booster seats, definition.....139
    - Booster seats, installation.....143
    - Convertible seats, definition.....139
    - Convertible seats, installation.....143
    - Front passenger occupant
      - classification system.....134
    - Infant seats, definition.....139
    - Infant seats, installation.....143
    - Installing CRS with lower
      - anchors.....147
    - Installing CRS with seatbelts.....143
    - Installing CRS with top straps.....148
  - Child safety
    - Airbag precautions.....129
    - Child restraint system.....139
    - Child-protectors.....64
    - How your child should wear the
      - seatbelt.....94
    - Installing child restraints.....143
    - Moon roof precautions.....105
    - Power window lock switch.....103
    - Power window precautions.....104
    - Removed electronic key battery
      - precautions.....553
    - Seat belt comfort guide.....92
    - Seat belt extender precautions.....96
    - Seat belt precautions.....95
    - Seat heater precautions.....464
    - Trunk precautions.....70
    - 12-volt battery
      - precautions.....533, 629
  - Child-protectors.....64
  - Cigarette lighter.....454
  - Cleaning
    - Exterior.....500
    - Interior.....503
    - Seat belts.....504
  - Climate control seat.....461
  - Climate control seat filter.....463
  - Clock.....450
  - Coat hooks.....476
  - Coin holder.....438
  - Condenser.....529
  - Console box.....440

Cool box..... 442  
 Cooling system  
     Hybrid system overheating..... 630  
 Corner assist sensors..... 209  
 Cruise control  
     Cruise control..... 196  
     Dynamic radar cruise  
         control..... 199  
 Cup holders..... 439  
 Curtain shield airbags..... 120  
 Customizable features..... 661

**D** Daytime running light system..... 189

Defogger  
     Rear window..... 289  
     Side mirrors..... 289

Dimensions..... 636

Dinghy towing..... 251

Display  
     Energy flow..... 34  
     Multi-information display..... 184  
     Touch screen..... 254  
     Trip information..... 185  
     Warning message..... 607

Do-it-yourself maintenance..... 512

Door courtesy lights  
     Door courtesy lights..... 431  
     Wattage..... 646

Door pockets..... 438

Doors  
     Door glasses..... 103  
     Door lock..... 46, 60, 63  
     Side mirrors..... 101

Driver's seat belt reminder light..... 601

Driving  
     Correct posture..... 118

Procedures..... 154

Driving position memory..... 83

DVD player..... 300, 359, 360

**E** Electric power steering (EPS)..... 223

Electronically modulated air  
     suspension..... 218

Electronic key  
     If your electronic key battery is  
         discharged..... 624

Emergency, in case of  
     If the electronic key does not operate  
         properly..... 624

    If the hybrid system will not  
         start..... 618

    If the parking brake cannot be  
         released..... 621

    If the shift lever cannot be shifted  
         from "P"..... 620

    If the vehicle has discharged  
         12-volt battery..... 627

    If the warning buzzer  
         sounds..... 599

    If the warning light turns on..... 599

    If the warning message is  
         displayed..... 607

    If you have a flat tire..... 610

    If you lose your keys..... 623

    If you think something is  
         wrong..... 596

    If your vehicle becomes  
         stuck..... 634

    If your vehicle needs to be  
         towed..... 590

    If your vehicle overheats..... 630

**Engine**

- Accessory mode (ACC).....163
- Compartment.....518
- Hood.....515
- How to start the hybrid system.....163
- Identification number.....637
- If the hybrid system will not start.....618
- Ignition switch  
("POWER" switch).....163
- Overheating.....630
- "POWER" switch  
(ignition switch).....163

**Engine compartment cover.....519**
**Engine/power control unit coolant**

- Capacity.....641
- Checking.....526
- Preparing and checking before winter.....246

**Engine oil**

- Capacity.....640
- Checking.....521
- Preparing and checking before winter.....246

**Engine oil maintenance data.....524**
**EPS (Electric power steering).....223**
**EV drive mode switch.....167**
**Event data recorder.....597**
**F First-aid kit storage belt.....478**
**Floor mat.....477**
**Fluid**

- Brake.....529
- Washer.....530

**Fog lights**

- Switch.....191
- Wattage.....646

**Footwell lighting.....431**
**Front fog lights**

- Switch.....191
- Wattage.....646

**Front passenger occupant**

- classification system.....134

**Front passenger's seat belt minder**

- light.....601

**Front seats**

- Adjustment.....73
- Driving position memory.....83

**Front turn signal lights**

- Wattage.....646

**Fuel**

- Capacity.....638
- Fuel gauge.....178
- Information.....647
- Refueling.....108

**Fuel door (fuel filler door).....108**
**Fuel filler door (fuel door).....108**
**Fuses.....554**
**G Garage door opener.....481**
**Gauges.....178**
**Glove box.....437**
**H Hands-free system  
(for cellular phone).....388**
**Head restraints**

- Adjustment.....89

**Headlight aim.....575**
**Headlight cleaner.....195**

**Headlights**

- Discharge headlight
  - precautions .....587
- Replacing light bulbs.....577
- Switch .....188
- Wattage.....646

**Heaters**

- Seat heaters.....461
- Side mirrors.....289
- Steering wheel .....459

**Height control**

- Electronically modulated air
  - suspension.....218

**Hill-start assist control.....223**

**Hood.....515**

**Hooks**

- Cargo.....478
- Coat.....476
- Shopping bag.....478

**Hybrid system**

- Emergency shut off system .....34
- Energy monitor/consumption
  - screen .....34
- High voltage components.....33
- Hybrid system indicator.....178
- “POWER” switch.....164

**I I/M test.....511**

**Identification**

- Electric motor.....637
- Engine.....637
- Vehicle.....637

**Illuminated entry system.....431**

**Immobilizer system.....113**

**Indicator lights.....181**

**Initialization**

- Items to initialize.....666

**Inside rear view mirror.....100**

**Interior lights**

- Interior lights.....431
- Switch.....433
- Wattage.....646

**J Jack**

- Positioning the jack .....516
- Replacing the wheel.....610

**Jack handle.....610**

**K Keyless entry**

- (wireless remote control) .....60

**Keys**

- Electronic key .....42
- If the electronic key does not
  - operate properly.....624
- If you lose your keys.....623
- Keyless entry (wireless remote
  - control) .....60
- Key number.....42
- Keys.....42
- Mechanical key .....43
- “POWER” switch.....163
- Wireless remote control
  - (keyless entry) .....60

**L Lexus link system.....487**

**Light bulbs**

- Replacing .....577
- Wattage.....646



**Lights**

Door courtesy lights .....	431
Fog light switch.....	191
Headlight switch.....	188
Interior light switch.....	433
Outer foot lights.....	431
Overhead courtesy light .....	431
Personal light switch.....	433
Replacing light bulbs .....	577
Shift lever lighting.....	431
Turn signal lever.....	173
Vanity lights.....	449
Wattage.....	646

<b>Load capacity .....</b>	<b>244</b>
----------------------------	------------

**M Maintenance**

Do-it-yourself maintenance.....	512
General maintenance.....	508
Maintenance data.....	636
Maintenance requirements.....	506

**Meter**

Instrument panel light control.....	179
Meters.....	178

**Mirrors**

Inside rear view mirror .....	100
Side mirror heaters.....	289
Side mirrors.....	101
Vanity mirrors.....	449

<b>Moon roof.....</b>	<b>105</b>
-----------------------	------------

<b>MP3 disc .....</b>	<b>307</b>
-----------------------	------------

<b>Multi-information display.....</b>	<b>184</b>
---------------------------------------	------------

**O Odometer .....**

<b>Odometer .....</b>	<b>178</b>
-----------------------	------------

<b>Oil</b>	
Engine oil.....	521

**Opener**

Fuel filler door .....	108
Hood.....	515
Trunk .....	68

**Outer foot lights**

Outer foot lights.....	431
Wattage.....	646

**Outside rear view mirrors**

Adjusting and folding.....	101
Driving position memory .....	83

<b>Outside temperature display .....</b>	<b>185</b>
--	------------

<b>Overhead console.....</b>	<b>446</b>
------------------------------	------------

**Overhead courtesy lights**

Overhead courtesy lights.....	431
Wattage.....	646

<b>Overheating, Hybrid system .....</b>	<b>630</b>
---	------------

**P Parking assist sensors.....**

<b>Parking assist sensors.....</b>	<b>209</b>
------------------------------------	------------

<b>Parking brake.....</b>	<b>174</b>
---------------------------	------------

**Parking lights**

Replacing light bulbs.....	577
Switch.....	188
Wattage.....	646

**PCS**

(Pre-collision system).....	229, 232
-----------------------------	----------

<b>Penlight.....</b>	<b>611</b>
----------------------	------------

**Personal lights**

Switch.....	433
-------------	-----

<b>Pollen removal mode.....</b>	<b>267, 277</b>
---------------------------------	-----------------

<b>Power outlet.....</b>	<b>456</b>
--------------------------	------------

<b>“POWER” switch.....</b>	<b>164</b>
----------------------------	------------

<b>Power windows.....</b>	<b>103</b>
---------------------------	------------

**Pre-collision system**

(PCS).....	229, 232
------------	----------

- R** Radar cruise control..... 199  
 Radiator ..... 529  
 Radio ..... 295  
 RDS (Radio data system) ..... 297  
 Rear seat  
   Seat adjustment..... 76, 79  
   Seat position memory ..... 87  
 Rear seat entertainment  
   system..... 349  
 Rear seat relaxation system ..... 466  
 Rear sunshade ..... 470  
 Rear turn signal lights  
   Replacing light bulbs..... 577  
   Wattage..... 646  
 Rear view monitor system..... 220  
 Rear window defogger..... 289  
 Replacing  
   Electronic key battery..... 552  
   Fuses ..... 554  
   Light bulbs..... 577  
 Reporting safety defects for U.S.A.  
   owners..... 668
- S** Seat belts  
   Adjusting the seat belt..... 92  
   Automatic Locking Retractor  
   (ALR) ..... 93  
   Child restraint system  
   installation ..... 139  
   Cleaning and maintaining the seat  
   belts..... 504  
   Emergency Locking Retractor  
   (ELR)..... 93  
   How to wear your seat belt..... 91  
   How your child should wear the  
   seat belt..... 94  
   Pregnant women, proper seat belt  
   use ..... 93  
   Reminder light..... 601  
   Seat belt extenders..... 94  
   Seat belt pretensioners ..... 92  
 Seat heaters..... 461  
 Seat position memory..... 83, 87  
 Seating capacity..... 244  
 Seats  
   Adjustment ..... 73, 76, 79  
   Adjustment  
   precautions..... 75, 78, 82  
   Child seat/child restraint system  
   installation ..... 139  
   Cleaning ..... 503  
   Climate control ..... 461  
   Climate control seat ..... 461  
   Driver's seat position memory ..... 83  
   Head restraint ..... 89  
   Properly sitting in the seat..... 118  
   Rear seat position memory..... 87  
   Rear seat relaxation system ..... 466  
   Seat heaters ..... 461  
   Seat position memory..... 83, 87  
 Service reminder indicators ..... 181  
 Shift lever  
   If the shift lever cannot be  
   shifted from "P" ..... 620  
   Transmission..... 169  
 Shift lever lighting..... 431  
 Shift lock system..... 620  
 Shopping bag hooks ..... 478  
 Side airbags ..... 120  
 Side marker lights  
   Switch..... 188

- Side mirrors
    - Adjusting and folding ..... 101
    - Mirror position memory ..... 83
  - Smart access system with push-button start
    - Entry function ..... 46
    - Starting the hybrid system ..... 163
  - Spare tire
    - Inflation pressure ..... 543
    - Spare tire ..... 610
  - Spark plug ..... 641
  - Specifications ..... 636
  - Speedometer ..... 178
  - Steering wheel
    - Adjustment ..... 98
    - Audio switches ..... 347
    - Heated steering wheel ..... 459
    - Steering wheel position memory ..... 83
  - Storage feature ..... 435
  - Stuck vehicle
    - If your vehicle becomes stuck ..... 634
  - Sun visors ..... 448
  - Sunshades
    - Rear ..... 470
    - Rear door ..... 473
    - Roof ..... 106
  - Switch
    - Driving mode selector switch ..... 170
    - EV drive mode switch ..... 167
    - Fog light switch ..... 191
    - Heated steering wheel switch ..... 459
    - Light switches ..... 188
    - Parking brake switch ..... 174
    - Power door lock switch ..... 63
    - “POWER” switch ..... 163
    - Power trunk lid ..... 68
    - Power trunk opener and closer ..... 68
    - Power window switch ..... 103
    - Window lock switch ..... 103
    - Wiper and washer switch ..... 192
- T**
- Tachometer ..... 178
  - Tail lights
    - Switch ..... 188
  - Theft deterrent system
    - Alarm ..... 115
    - Immobilizer system ..... 113
  - Theft prevention labels ..... 117
  - Tire inflation pressure ..... 543
  - Tire information
    - Glossary ..... 655
    - Size ..... 652
    - Tire identification number ..... 651
    - Uniform tire quality grading ..... 653
  - Tires
    - Chains ..... 246
    - Checking ..... 535
    - If you have a flat tire ..... 610
    - Inflation pressure ..... 543
    - Inflation pressure sensor ..... 536
    - Information ..... 650
    - Replacing ..... 610
    - Rotating tires ..... 535
    - Size ..... 644
    - Snow tires ..... 246
    - Tire pressure warning system ..... 535, 601
  - Tools ..... 610

Total load capacity ..... 244

Touch screen ..... 254

Towing

- Dinghy towing ..... 251
- Emergency towing ..... 590
- Trailer towing ..... 250

TRAC (Traction control) ..... 223

Traction control (TRAC) ..... 223

Transmission

- If the shift lever cannot be shifted from "P" ..... 620
- "S" mode ..... 171
- Transmission ..... 169

Trip meter ..... 178

Trunk

- Closer ..... 68
- Opener ..... 68

Trunk light

- Wattage ..... 646

Turn signal lights

- Replacing light bulbs ..... 577
- Switch ..... 173
- Wattage ..... 646

**V**

Vanity lights

- Vanity lights ..... 449
- Wattage ..... 646

Vanity mirrors ..... 449

VDIM (Vehicle dynamics integrated management) ..... 223

Vehicle dynamics integrated management (VDIM) ..... 223

Vehicle identification number ..... 637

Vehicle stability control (VSC) ..... 223

VSC (Vehicle stability control) ..... 223

**W**

Warning buzzers

- Open door ..... 601
- Seat belt reminder ..... 601

Warning lights

- Anti-lock brake system (ABS) ..... 600
- Brake assist system ..... 600
- Brake system ..... 599, 600
- Charging system ..... 599
- Electric power steering ..... 600
- High coolant temperature ..... 601
- Low fuel level ..... 601
- Low tire pressure ..... 601
- Malfunction indicator lamp ..... 600
- Master warning light ..... 601
- Open door ..... 601
- Pre-collision system ..... 600
- Pretensioners ..... 600
- Seat belt reminder light ..... 601
- SRS airbags ..... 600
- Tire pressure ..... 601

Warning messages ..... 607

Washer

- Checking ..... 530
- Preparing and checking before winter ..... 246
- Switch ..... 192

Washing and waxing ..... 500

Weight

- Cargo capacity ..... 241
- Load limits ..... 244
- Weight ..... 636

Wheels ..... 547

Window glasses ..... 103

Window lock switch ..... 103

Windows	
Power windows .....	103
Rear window defogger .....	289
Washer .....	192
Windshield wiper de-icer .....	290
Windshield wipers .....	192
Wireless remote control (key less entry)	
Replacing the battery .....	552
WMA disc .....	307

## What to do if... What to do if...



A tire punctures.

P. 610 If you have a flat tire



The hybrid system does not start.

P. 618 If the hybrid system will not start

P. 113 Immobilizer system

P. 627 If the 12-volt battery is discharged



The shift lever cannot be moved out.

P. 620 If the shift lever cannot be shifted from "P"



The high coolant temperature warning light comes on.

P. 630 If your vehicle overheats



Steam can be seen coming from under the hood.



The key is lost.

P. 623 If you lose your keys



The 12-volt battery runs out.

P. 627 If the 12-volt battery is discharged



The doors cannot be locked.

P. 63 Doors



The horn begins to sound.

P. 115 Alarm



The vehicle is stuck in mud or sand.

P. 634 If the vehicle becomes stuck



A warning light or indicator light comes on.

P. 599 If a warning light turns on



■ Warning lights



Brake system warning light (red indicator)

or



P. 599



Malfunction indicator lamp

or



P. 600



"ABS" warning light

or



P. 600



Driver's seat belt reminder light

P. 601



Front passenger's seat belt reminder light

P. 601



Brake system warning light (yellow indicator)

P. 600



High coolant temperature warning light

P. 601



Low fuel level warning light

P. 601



Master warning light with warning message

P. 601



SRS warning light

P. 600



Electric power steering warning light

P. 600



Open door warning light

P. 601



Pre-collision system warning light

P. 600



Charging system warning light

P. 599



Tire pressure warning light

P. 601

## GAS STATION INFORMATION



Auxiliary catch lever

P. 515



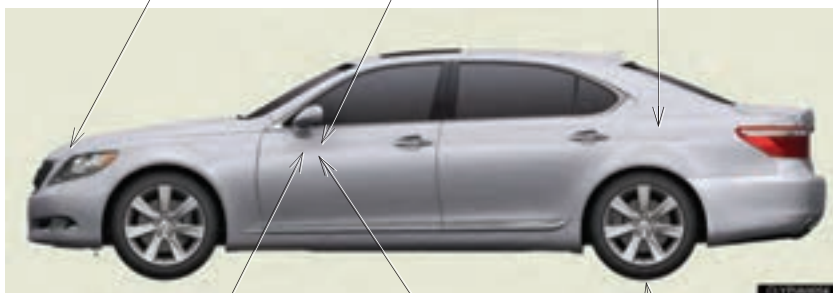
Trunk opener

P. 68



Fuel filler door

P. 108



Hood release lever

P. 515

Fuel filler door opener

P. 108

Tire inflation pressure

P. 644



Fuel tank capacity	22.1 gal. (84L, 18.4 Imp.gal.)	
Fuel type	Premium unleaded gasoline only	P. 110, 638
Cold tire inflation pressure		P. 644
Engine oil capacity (Drain and refill)	With filter Without filter	qt. (L, Imp.qt.) 9.5 (9.0, 7.9) 8.9 (8.4, 7.4)
Engine oil type	Toyota Genuine Motor Oil or equivalent Oil grade: ILSAC multigrade engine oil Recommended oil viscosity: SAE-5W-20 or SAE-0W-20	P. 640







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