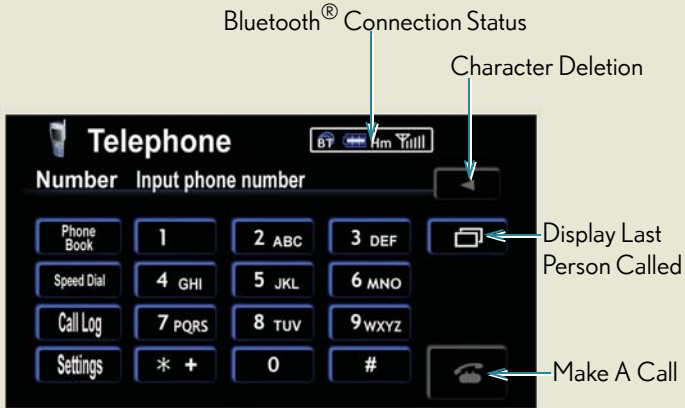




3-4. Using the hands-free system (for cellular phone)

Using the Bluetooth® phone

► Telephone screen




ILY81G029

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

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.



Touch .



Touch .



Input the passkey displayed on 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

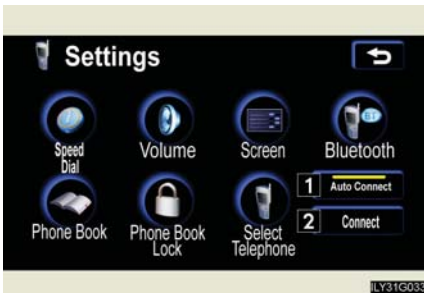
There are two connection methods available—automatic and manual.

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 “ENGINE START STOP” switch is in the ACCESSORY or IGNITION ON mode, the system will automatically connect to the Bluetooth® phone. Touching automatic connection 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 “ENGINE START STOP” switch in the ACCESSORY or IGNITION 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[®] phone is registered, you can make a call using the following procedure.


■ Dialing


STEP 1 Press .

STEP 2 Touch  on the “Information” screen.

STEP 3 Inputting the phone number.



To delete the input phone number, touch .


To dial the last input phone number, touch .

STEP 4 Touch  or press  on the steering wheel.

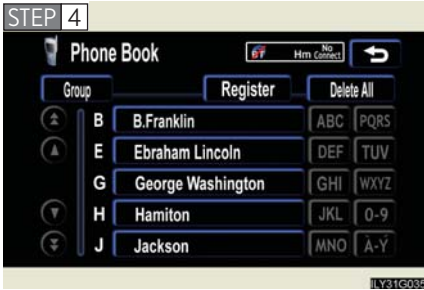
■ Dialing from the phone book

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. 320)

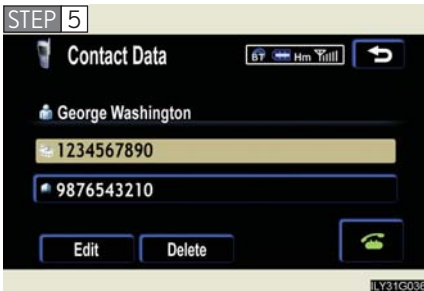
STEP 1 Press .



STEP 2 Touch  on the “Information” screen.

STEP 3 Touch  on the “Telephone” screen.



Choose the data to call from the list.




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

■ Dialing from history

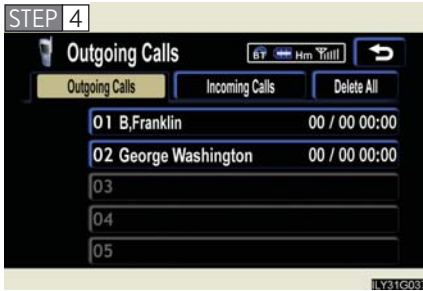
You can make a call from past dialed numbers or received calls.

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


STEP 1 Press .

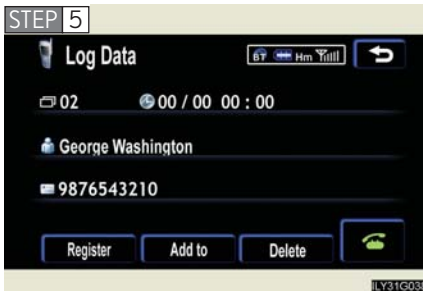
STEP 2 Touch  on the “Information” screen.



STEP 3 Touch  on the “Telephone” screen.



Choose the number to call from the list.

To choose a number from the incoming calls history, touch  and choose a number to call.




Touch  or press  on the steering wheel.

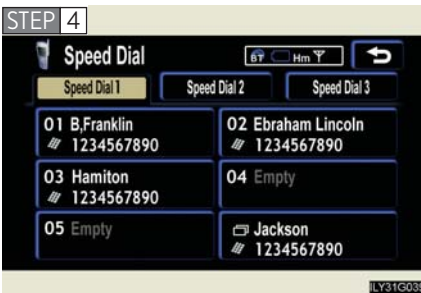
■ Calling using speed dial

You can make a call using numbers registered from the phone book and call history. (→P. 312)

STEP 1 Press .

STEP 2 Touch  on the "Information" screen.

STEP 3 Touch  on the "Telephone" screen.



Choose the desired number to make a call.

To change the page, touch  or .

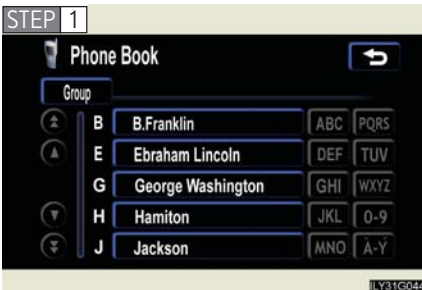
■ Calling using voice recognition

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. 308)

▶ Talk switch



● Calling by name from the “Phone Book” screen



Press the talk switch.

STEP 2 Following the system guidance, wait until the 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** or say “Next candidate”.

STEP 3 Following the system guidance, press the talk switch.

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

3-4. Using the hands-free system (for cellular phone)

● Calling by number from the “Telephone” screen



Press the talk switch.

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

STEP 3 Following the system guidance, press the talk switch.

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

● Sending tones from the “Call” screen



Press the talk switch.

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



STEP 3 Following the system guidance, press the talk switch.

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


■ Calling using POI

You can make a call using a Point Of Interest. (→“Navigation System Owner’s Manual”)

■ Made/Received 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 made calls history.
-  is displayed to the left of 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.

3-4. Using the hands-free system (for cellular phone)

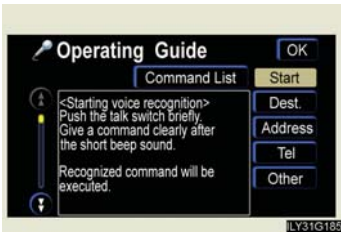
■ To display the voice recognition command list



STEP 1 After pressing the talk switch, press **Help**. If the “Operating Guide” screen is displaying, press **Command List**.

STEP 2 Press **Tel**.


■ To display the voice recognition operating guide



STEP 1 After pressing the talk switch, press **Help**. If the “Command List” screen is displaying, press **Operating Guide**.

STEP 2 Press **Tel**.

■ To cancel voice recognition

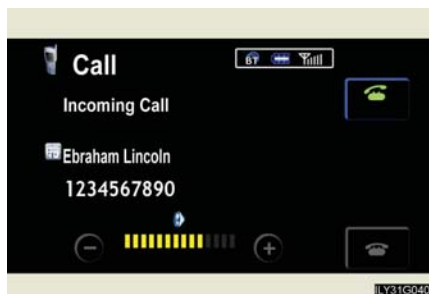
- Press and hold the talk switch.
- Press  on the steering wheel.
- Say “Cancel”.
- Press **Cancel**. (excluding command verification)



■ 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 and hold .

■ To adjust the received call volume

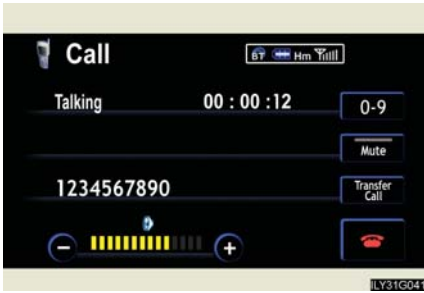
Press the  or . You can also adjust the volume using the steering switches.

■ 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 received call volume

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

■ To prevent the other party from hearing your voice

Touch .



■ Inputting a key

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 .




Input the number.

If repeated tone symbols* are stored in the phone book,  and  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 screen, and touch .

If you touch , operation is completed without making a call.

■ To transfer a call

Touch .



■ 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  then touch . Choose the desired number from the speed tone list displayed.

■ While driving

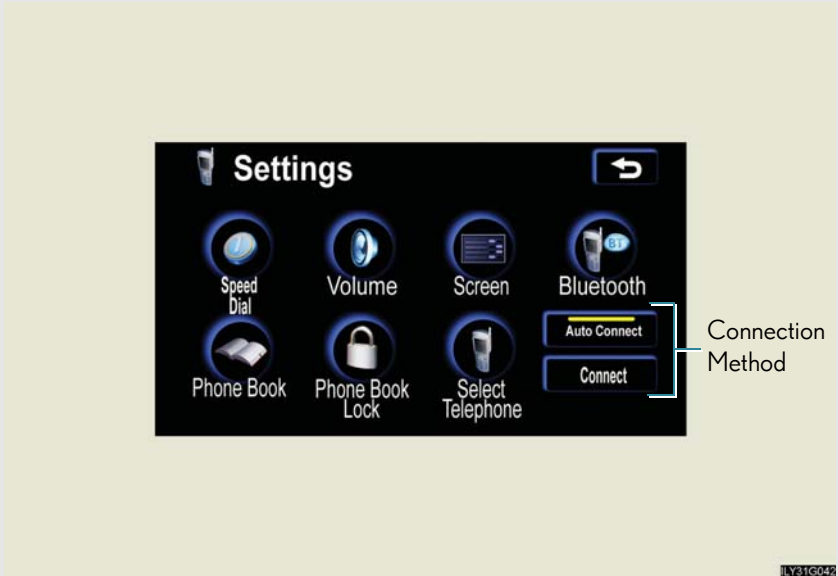
Key input is unavailable.




3-4. Using the hands-free system (for cellular phone)

Setting the hands-free system

You can speed dial, register in and edit the phone book, and set the Bluetooth® phone.

► Settings screen




To display the screen shown above, press , touch  on the “Information” screen, then 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.

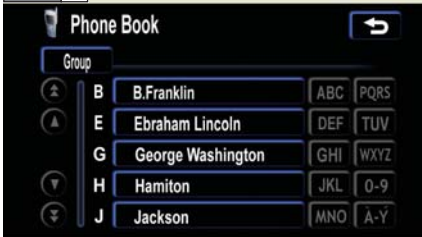
STEP 5



LY31G043

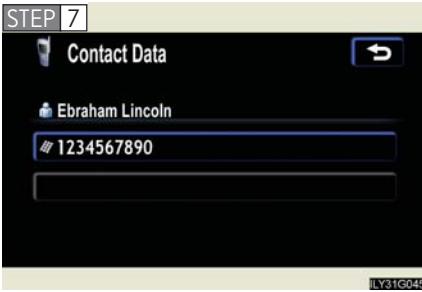
Touch  in the “Speed Dial” section of the “Speed Dial Settings” screen.

STEP 6

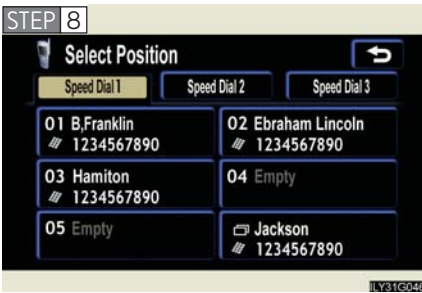


LY31G044

Select the data to be registered.



Select the number to be registered.




Press the desired switch.


The last dialed number will be registered in position 6.


■ Deleting a speed dial item

STEP 1 Press .

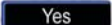
STEP 2 Touch  on the "Information" screen.

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.

STEP 7 A confirmation message will be displayed. If everything is correct, touch .

■ To delete all speed dial items


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

Registering/Editing/Deleting a Speed Tone


■ Registering a speed tone

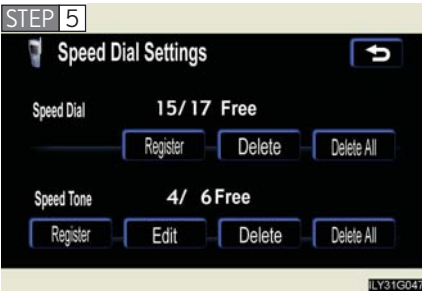
You can register up to 6 items.

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

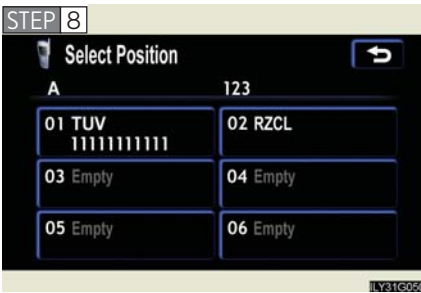
: Number/Symbol input

: Space

: Backspace



Input the number and touch **OK**.



Touch the desired switch.

■ Editing a speed tone

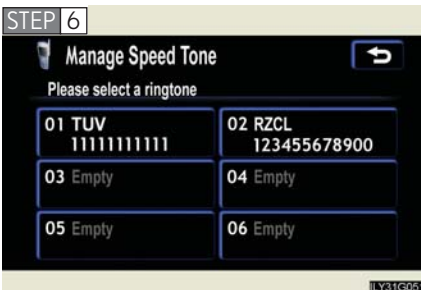
STEP 1 Press **INFO**.

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

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

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

STEP 5 Touch **Edit** in the "Speed Tone" section of the "Speed Dial Settings" screen.




Touch the switch to be edited.

STEP 7 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 **Settings** on the “Telephone” screen.

STEP 4 Touch  on the “Settings” screen.

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

STEP 6 Choose the data to delete.


STEP 7 A confirmation message will be displayed. If everything is correct, touch **Yes**.

■ To delete all speed tone data


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

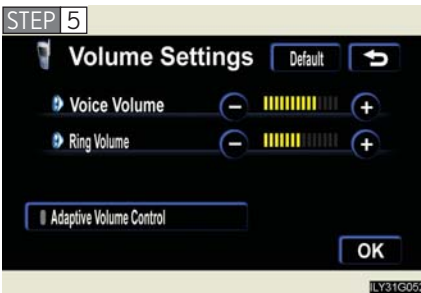
Setting the volume

STEP 1 Press .

STEP 2 Touch  on the “Information” screen.

STEP 3 Touch  on the “Telephone” screen.

STEP 4 Touch  on the “Settings” screen.



Touch  or  to lower or raise the volume.

Voice Volume: Change the speaker volume

Ring Volume: Change the ring volume



Adaptive volume control

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

If the vehicle's 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 , then .

Changing the screen settings

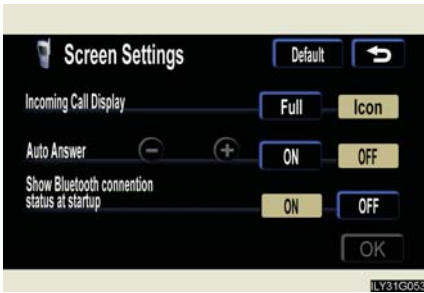
STEP 1 Press .

STEP 2 Touch  on the “Information” screen.

STEP 3 Touch  on the “Telephone” screen.

STEP 4 Touch  on the “Settings” screen.

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

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 Touch **ON** .

STEP 2 Set the wait time using **-** and **+** . (1 - 60 seconds)

■ “Show Bluetooth* connection status at startup” settings

Touch **ON** / **OFF** .

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

■ To set the screen settings to default


Touch **Default** , then **Yes** .

Phone book settings


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

■ Transferring mobile phone data

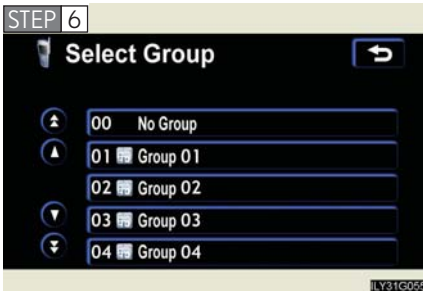
STEP 1 Press .

STEP 2 Touch  on the "Information" screen.

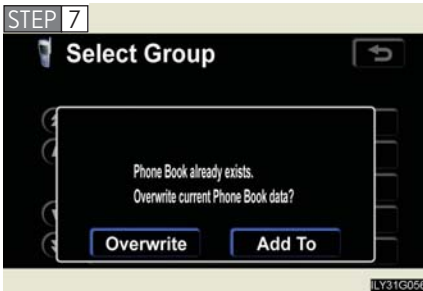
STEP 3 Touch  on the "Telephone" screen.

STEP 4 Touch  on the "Settings" screen.

STEP 5 Touch .



Select the group to transfer to.



To overwrite data, touch **Overwrite**.

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



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

Transfer is complete when “Transfer completed” is displayed.

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

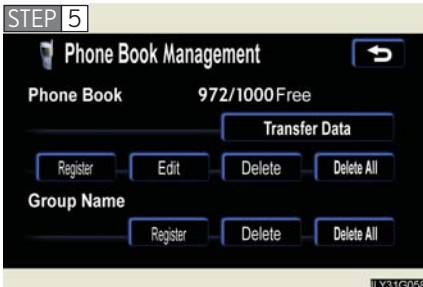
■ Registering by input

STEP 1 Press **INFO**.

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

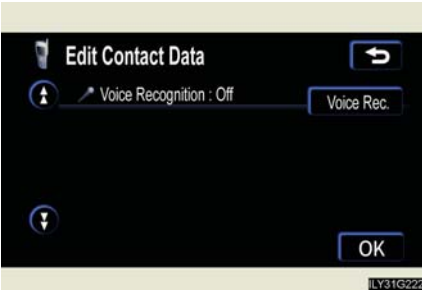
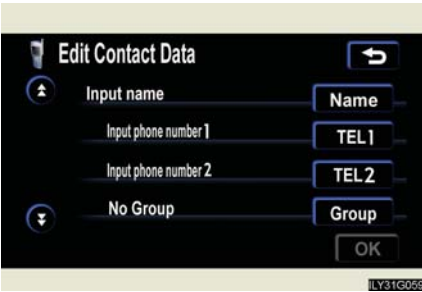
STEP 3 Touch **Settings** on the “Telephone” screen.

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



Touch the **Register** in the “Phone Book” section.

STEP 6 Choose the switch to register.



Name : Input the name on the “Name” screen.

TEL1 , **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** .


■ Add history data to a registered entry

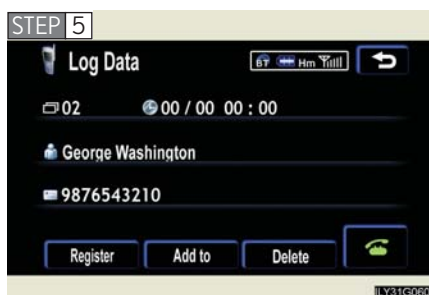
STEP 1 Press .

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 received call history, touch  then select the desired number.




Touch .

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


STEP 7 Check the data to be added, then 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 .

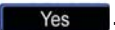
STEP 2 Touch  on the “Information” screen.

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 “Deleting phone book data” to “STEP 5”. In the “Phone Book” section of the “Phone Book Management” screen, touch **Delete All**. To delete all data within a group, touch **Group Data**, then select the group to delete. To delete all contact data, touch **All Contact Data**. Check that everything is correct, then touch **Yes**.

■ Registering/Editing/Deleting from the phone book

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

STEP 1 Press **INFO**.

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

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

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

To delete all data, touch **Delete All**.

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

Delete to delete, or **Edit** 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 .

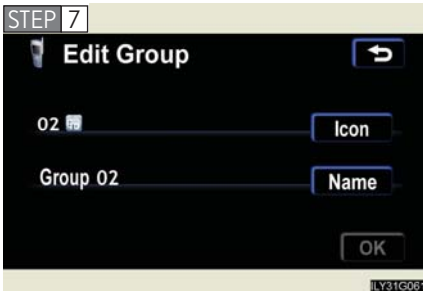
STEP 2 Touch  on the “Information” screen.

STEP 3 Touch  on the “Telephone” screen.

STEP 4 Touch  on the “Settings” screen.

STEP 5 Touch the  switch 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 .

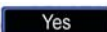
STEP 2 Touch  on the “Information” screen.

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.


STEP 7 A confirmation message will be displayed. If everything is correct, touch .

■ To delete all data

Follow the steps “Deleting phone book data” procedure to “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 .

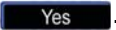
STEP 2 Touch  on the “Information” screen.

STEP 3 Touch  on the “Telephone” screen.





STEP 4 Select the data to delete from the list.

To delete data from the received calls history, touch , then select the data to delete.



STEP 6 Check that everything is correct, then touch .

To delete all data

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

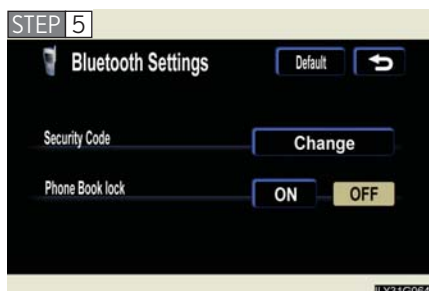
■ Changing the security code

STEP 1 Press .

STEP 2 Touch  on the “Information” screen.

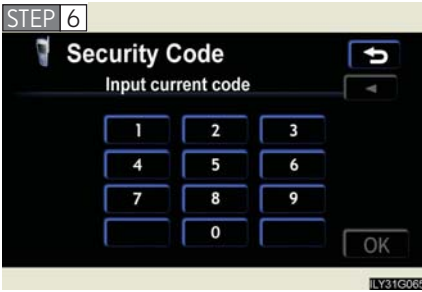
STEP 3 Touch  on the “Telephone” screen.

STEP 4 Touch  on the “Settings” screen.



Touch  in the “Security Code” section.

3-4. Using the hands-free system (for cellular phone)



Input the current security code, and touch **OK**.

STEP 7 Input the new security code, and touch **OK**.

STEP 8 A confirmation message will appear. If everything is correct, touch **Yes**.

■ Enabling security

STEP 1 Press **INFO**.

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

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


STEP 4 Touch **Phone Book Lock** on the “Settings” screen.

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


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

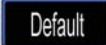
■ Setting the security code to default


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, then touch .

STEP 7 A confirmation message will appear. If everything is correct, touch .

■ If the “Phone Book Lock” is set

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

- Display of the phone book screen and transferring, registering, editing, deleting the phone book data.
- Display of 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 dialed numbers screen and received calls screen, deleting dialed numbers and received numbers.
- Display of 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. 215)

Setting a Bluetooth® phone

■ Selecting a Bluetooth® phone

If multiple Bluetooth® phones are registered, follow the below procedure 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.


STEP 4



Touch .



STEP 5



Select the phone to be use, then 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 .

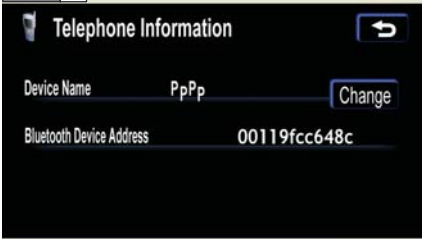
STEP 2 Touch  on the “Information” screen.


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 .

STEP 6




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 **INFO**.

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

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

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


STEP 5 Touch **Default** on the “Bluetooth* Settings” screen.

STEP 6 A confirmation message is displayed. If everything is correct, touch **Yes**.


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

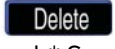
■ To delete the Bluetooth® settings

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 .

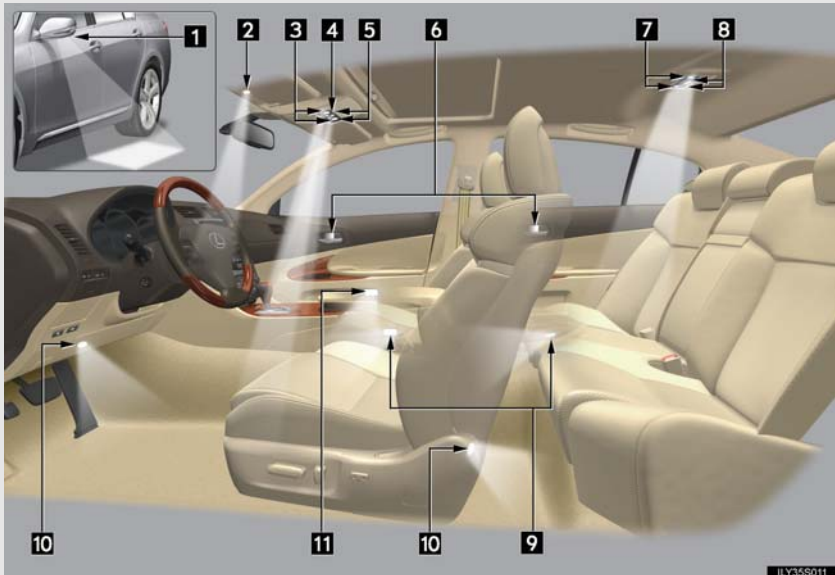
STEP 7 If you touch , a confirmation message is displayed. If everything is correct, touch .

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

3-5. Using the interior lights

Interior lights list

Illuminated entry system: The various lights automatically turn on/off according to the presence of the electronic key, whether the doors are locked/unlocked, whether the doors are open/closed, and the “ENGINE START STOP” switch mode.



- | | |
|---|--|
| 1 Outer foot light | 7 Rear personal lights (→P. 339) |
| 2 Steering spot light | 8 Rear interior lights |
| 3 Front personal lights (→P. 339) | 9 Door courtesy lights |
| 4 Shift lever light | 10 Foot light |
| 5 Front interior lights(→P. 338) | 11 Front scuff light |
| 6 Inside door handle lights | |

When the instrument panel light control switch is turned to minimum, the foot lights, inside door handle lights and shift lever light will turn off. (→P. 133)

■ To prevent 12 volt battery discharge

If the interior lights, personal lights and steering spot light remain ON when the door is not fully closed or the interior light switch in "DOOR" position, the lights will go off automatically after 20 minutes.

■ Customization that can be configured at Lexus dealer

Setting (e.g. The time elapsed before lights turn off) can be changed.
(Customizable features →P. 573)

Interior lights



- 1 "ON"
- 2 "OFF"
- 3 "DOOR"

The interior lights are turned on/off by the illuminated entry system.

Personal lights

▶ Front



ON/OFF

▶ Rear



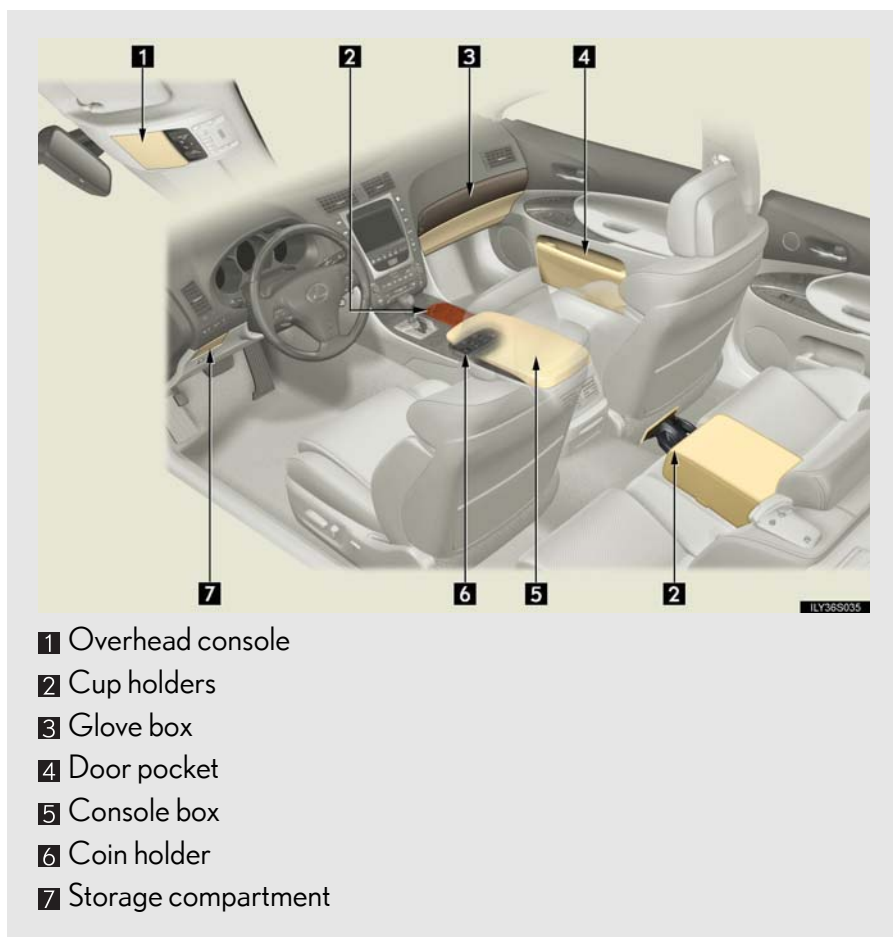
ON/OFF

■ Customization that can be configured at Lexus dealer

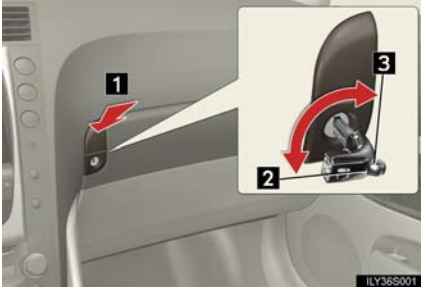
Settings can be changed. (Customizable features →P. 573)

3-6. Using the storage features

List of storage features



Glove box



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

■ Glove box light

The glove box light turns on when the headlight switch is on.

■ Trunk opener main switch

The trunk opener main switch is located in the glove box. (→P. 42)

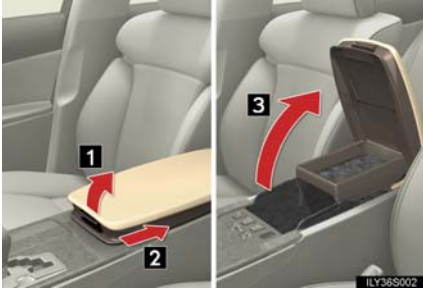
⚠ CAUTION

■ While driving

Keep the glove box closed.

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

Console box



- 1 Pull up the lever to release the lock.
- 2 Slide armrest.
- 3 Lift the armrest to open.

■ Console box light

The console box light turns on when the headlight switch is on.

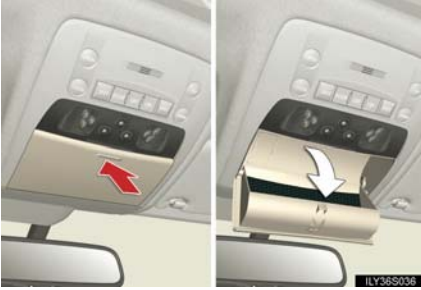
⚠ CAUTION

■ While driving

Keep the console box closed.

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

Overhead console (if equipped)



The overhead console is useful for temporarily storing sunglasses and similar small items.

CAUTION

■ Items that should not be left in the overhead console

Do not leave glasses or lighters in the console.

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

■ While driving

Do not leave the overhead console open. Items may fall out and cause injury.

Storage compartment



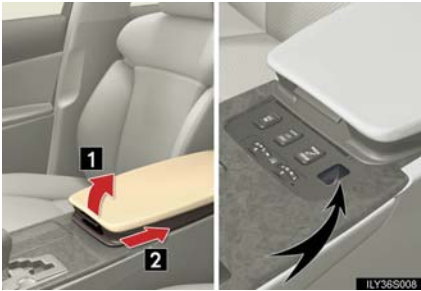
CAUTION

While driving

Do not leave the storage compartment open.

The opened compartment may hit your body or items may be thrown out of the compartment in the event of an accident or sudden braking and cause injury.

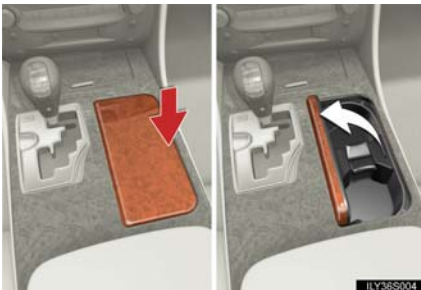
Coin holder



- 1 Pull up lever to release the lock.
- 2 Slide armrest.

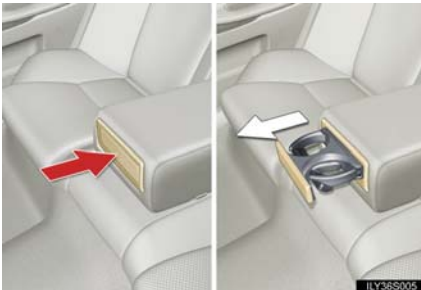
Cup holders

► Front



To open, press down and release the cup holder lid.

► Rear



To open, press in and release the rear cup holder on the armrest.

! 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.

Door pockets



The front door pocket can be opened and closed.

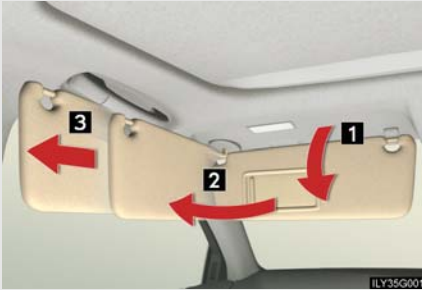
! CAUTION

■ **While driving**

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

3-7. 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 backwards.

3-7. Other interior features

Vanity mirror



Slide the cover.

The light turns on when the cover is opened.

3-7. Other interior features

Clock




■ Adjust clock

- ▶ With navigation system
→ “Navigation System Owner’s Manual”.
- ▶ Without navigation system
Perform the following steps.

STEP 1 Press .

STEP 2 Touch .



- 1 Adjust hours.
 - 2 Adjust minutes.
 - 3 Round the nearest hour.
 - 4 Turn daylight saving time on.
 - 5 Turn daylight saving time off.
- After setting, touch .

■ The clock is displayed when

The “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode.

■ When the 12 volt battery is disconnected

The time display will automatically be set to 1:00.

3-7. Other interior features

Outside temperature display

The displayed temperature ranges from -40°F (-40°C) up to 122°F (50°C).



■ The outside temperature is displayed when

The "ENGINE START STOP" switch is in IGNITION ON mode.

■ When "--" or "E" is displayed

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

■ On the multi-information display

→P.140

■ Display

In the following situations, the correct outside temperature may not be displayed, or the display may take longer than normal to change.

- When stopped, or driving at low speeds (less than 12 mph [20 km/h])
- When the outside temperature has changed suddenly (at the entrance/exit of a garage, tunnel, etc.)

3-7. Other interior features

Ashtrays

► Front



Slide the lid to open.

Push the lever to remove the ashtray.

Push the lid to close.

► Rear



Pull the lid to open.

Hold the plate down and pull the ashtray upwards to remove.

⚠ 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.

3-7. Other interior features

Cigarette lighter



- 1 Slide the lid to open, and push the cigarette lighter down.

The cigarette lighter will pop up when ready for use.

■ The cigarette lighter can be used when

The "ENGINE START STOP" switch is in ACCESSORY or IGNITION 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 lid closed.

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

3-7. Other interior features

Power outlet

The power outlet can be used for 12V accessories that run on less than 10A.



■ The power outlet can be used when

The "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode.

NOTICE

■ To avoid damaging the power outlet

Close the power outlet lid when not in use.

Foreign objects or liquids that enter the power outlet may cause a short circuit.

■ To prevent the fuse from being blown

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

■ To prevent 12 volt battery discharge

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

3-7. Other interior features

Seat heaters/ventilators (if equipped)

The temperature of the seats can be adjusted individually.

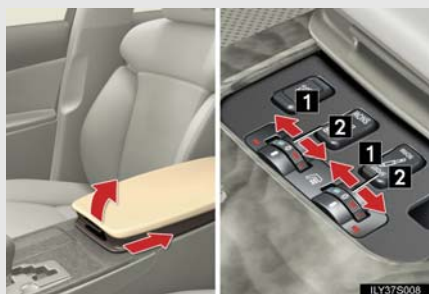
■ Seat heaters



1 Heats the seats

The indicator light comes on.
The higher the number, the warmer the seats become.

■ Seat heaters/ventilators



1 Heats the seats

The indicator light (red) comes on.
The higher the number, the warmer the seats become.

2 Blows air from the seats


The indicator light (green) comes on.
The higher the number, the stronger the airflow becomes.

■ The seat heaters/ventilators can be used when

The "ENGINE START STOP" switch is in IGNITION ON mode.

■ When not in use

Set the dial to "0". The indicator light turns off.

 **CAUTION****■ Burns**

- Use caution when seating the following persons in a seat with the seat heater on to avoid the possibility of burns:
 - 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.)
- Do not cover the seat with anything when using the seat heater.
Using the seat heater with a blanket or cushion increases the temperature of the seat and may lead to overheating.

 **NOTICE****■ To prevent damage to the seat heaters/ventilators**

Do not put heavy objects on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.

■ To prevent 12 volt battery discharge

Turn the switches off when the engine is off.

3-7. Other interior features

Armrest



Pull the armrest down for use.

NOTICE

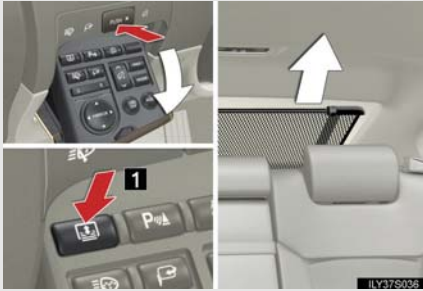
■ **To prevent damage to the armrest**

Do not place too much strain on the armrest.

3-7. Other interior features

Rear sunshade (if equipped)

The rear sunshade can be raised and lowered by pressing the switch shown below.



1 Raise/lower

■ The rear sunshade can be used when

The “ENGINE START STOP” switch is in IGNITION ON mode.

■ Reverse operation feature

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

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

- Shift the shift lever into “P”.
- The switch is pressed again.
- The shift lever is shifted out of “R”, and the vehicle reaches a speed of 9 mph (15 km/h).

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

■ After the “ENGINE START STOP” switch is turned to OFF

The rear sunshade can be raised and lowered for approximately 1 minute.

 **CAUTION**

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

Do not place fingers or other objects in the fastener section or in the opening. They may get caught, causing injury.

 **NOTICE**

■ **To prevent 12 volt battery discharge**

Do not operate the rear sunshade when the engine is off.

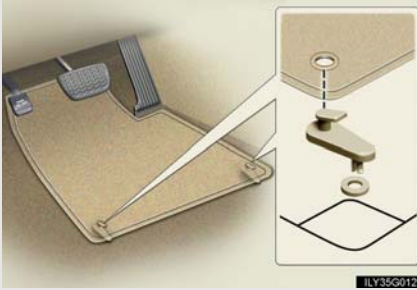
■ **To ensure normal operation of the sunshade**

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 over long periods of time.

Floor mats

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

Observe the following precautions.

Failure to do so may result in the floor mat slipping and interfering with the movement of the pedals during driving, resulting in an accident.

- Make sure the floor mat is properly placed on the vehicle carpet and the correct side face upward.
- Do not place floor mats on the top of existing mats.

3-7. Other interior features

Trunk features

■ Cargo hooks



Cargo hooks are provided for securing loose items.

■ Shopping bag hooks



■ First-aid kit storage belt



- 1 Loosen
- 2 Tighten

■ Luggage mat

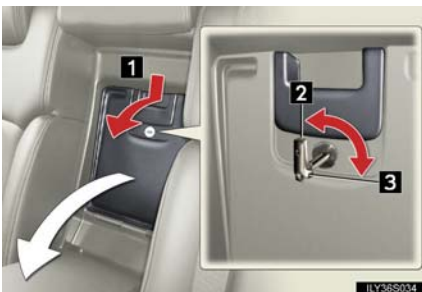


Pull the lever upwards when lifting the luggage mat up.



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

Trunk storage extension



Pull down the rear armrest.

- 1** Open (push down the handle)
- 2** Unlock with the mechanical key
- 3** Lock with the mechanical key

 CAUTION

■ **While driving**

- To avoid injury, always return the cargo hooks to their positions when they are not in use.
- Always keep the trunk storage extension door closed to reduce the chance of injury in case of an accident or sudden stop.

 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.

3-7. Other interior features

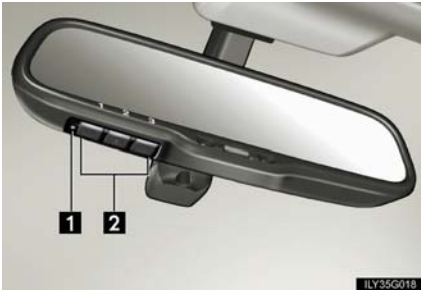
Garage door opener

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

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

Programming the 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.



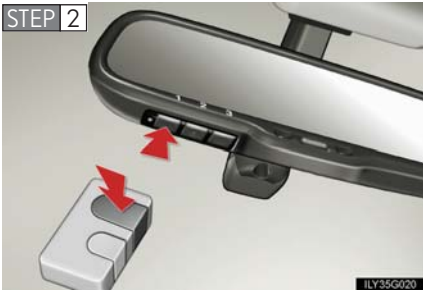
- 1** Indicator
- 2** Buttons

■ Programming the HomeLink[®]



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

Keep the indicator light on the HomeLink[®] in view while programming.



Press and hold one of the buttons on the HomeLink[®] and the button on the transmitter. When the indicator light on the HomeLink[®] changes from a slow to a rapid flash after 20 seconds, you can release both buttons.



Test the operation of the HomeLink[®] by pressing the newly programmed button.

If programming a garage door opener, check to see if the garage door opens and closes. If the garage door does not operate, see if your garage transmitter is of the Rolling Code type. Press and hold the programmed HomeLink[®] button. The garage door has the rolling code feature if the indicator light (on the HomeLink[®]) flashes rapidly for 2 seconds and then remains lit. If your transmitter is 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[®] buttons.

■ Programming a Rolling Code system (for U.S.A. owners)

If your device is Rolling Code equipped, follow the steps under the heading “Programming the 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.

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

STEP 2 Press the training button.

STEP 3 Press and release the vehicle’s programmed HomeLink[®] button twice. 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[®] transceiver 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 indicator light on the HomeLink[®] 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 transceiver starts to flash rapidly, release the buttons.

STEP 5 Test the operation of the HomeLink[®] 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[®] 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[®] buttons cannot be erased but can be reprogrammed. To reprogram a button, follow the "Basic programming" instructions.

Operating the HomeLink®

Press the appropriate HomeLink® button. The HomeLink® indicator light on the HomeLink® transceiver should turn on.

The HomeLink® continues to send a signal for up to 20 seconds as long as the button is pressed.

Erasing the entire HomeLink® memory (all three programs)



Press and hold the 2 outside buttons for 20 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 transmitter.
- The battery side of the transmitter must be pointed away from the HomeLink®.

■ 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 device**

The garage door 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[®] 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 obstruction object. A door or device without these features increases the risk of death or serious injury.

3-7. Other interior features

Compass

The compass on the inside rear view mirror indicates the direction in which the vehicle is heading.

■ Operation

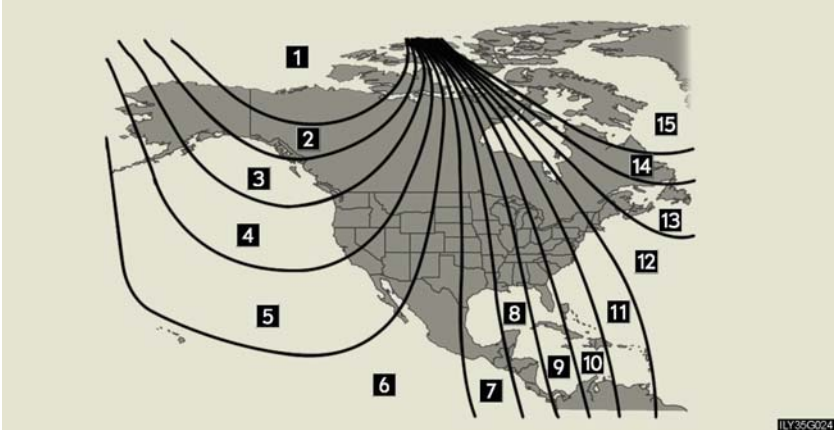


To turn the compass on or off, press "AUTO" for 3 seconds.

■ Displays and directions

| Display | Direction |
|---------|-----------|
| N | North |
| NE | Northeast |
| E | East |
| SE | Southeast |
| S | South |
| SW | Southwest |
| W | West |
| NW | Northwest |

Calibrating the compass



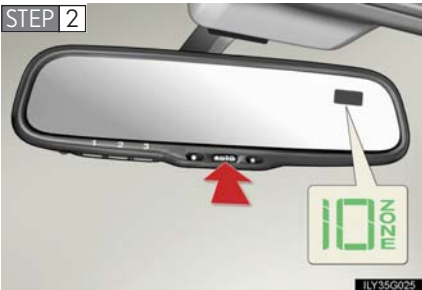
The direction display deviates from the true direction determined by the earth's magnetic field. The amount of deviation varies according to the geographic position of the vehicle.

If you cross over a map boundary shown in illustration, the compass will deviate.

To obtain higher precision or perfect calibration, refer to the following.

Deviation calibration

STEP 1 Stop the vehicle where it is safe to drive in a circle.



Press "AUTO" until a number (1 to 15) appears on the compass display.

STEP 3 Press "AUTO", and referring to the map above, select the number of the zone where you are.

STEP 4 Wait a few seconds until the compass direction is displayed.

The calibration is complete.

■ Circling calibration



If "CAL" appears on the display, drive the vehicle at 5 mph (8 km/h) or less in a circle until a direction is displayed.

If there is not enough space to drive in a circle, drive around the block until the direction is displayed.

■ Conditions unfavorable to correct operation

The compass may not show the correct direction in the following conditions:

- The vehicle is stopped immediately after turning.
- The vehicle is on an inclined surface.
- The vehicle is in a place where the earth's magnetic field is subject to interference by artificial magnetic fields (underground car park/parking lot, under a steel tower, between buildings, roof car park/parking lot, near an intersection, near a large vehicle, etc.).
- The vehicle has become magnetized.
(There is a magnet or metal object near the inside rear view mirror.)
- The 12 volt battery has been disconnected.
- A door is open.

 **CAUTION**

■ **While driving**

Do not adjust the display.

Be sure to adjust the display only when the vehicle is stopped.

■ **When doing the circling calibration**

Be sure to secure a wide space, and watch out for people and vehicles in the neighborhood. Do not violate any local traffic rules while performing circling calibration.

 **NOTICE**

■ **To avoid the compass malfunctions**

Do not place magnets or any metal objects near the inside rear view mirror.

Doing this may cause a malfunction of the compass sensor.

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

● Do not perform circling calibration of the compass in a place where the earth's magnetic field is subject to interference by artificial magnetic fields.

● During calibration, do not operate electric systems (moon roof, power windows, etc.) as they may interfere with the calibration.

3-7. Other interior features

Lexus Link System (if equipped)

The Lexus Link System is a communication service that uses 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. 375)
- Emergency assistance (→P. 375)
- Stolen vehicle location assistance (→P. 376)
- Remote horn/lights and remote door lock/unlock (→P. 376)
- Advisor record (→P. 377)
- Personal calling (→P. 377)
- Other services (→P. 376)

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 installed in your vehicle is a low power radio transmitter and receiver. When the “ENGINE START STOP” switch is in the IGNITION ON mode, it receives and also sends 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

If your subscription has expired, the operation indicator light will go off.

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 the  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.

- In the case that 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.
- In the case that 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.

Other services

Press the  button 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 the  button to record a conversation. To stop recording, press the  button 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 the  or  button.

STEP 2 Say “Advisor playback”.

Press the button again to stop the playback.

To restart the playback, press the  button, 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

The hands-free personal calling feature can be added to the Lexus Link System as an option. 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 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 number

STEP 1 Press the  button. 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 the  button. 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 the  button. 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 “home”.

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

STEP 6 The system responds with “Storing 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 the  button. When the system responds with “Lexus Link ready”, say “Call”.

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

STEP 3 The system responds with “Calling [nametag]”.


● How to hear a list of your stored nametags

STEP 1 Press the  button. 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 the  button. 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 the  button. 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 the  button 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 the  button to end the call.

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


You can access a voicemail system and respond to a number request from an automated phone system. When you receive the request for a number while in a call, press the  button 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 the  button. 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 the personal calling service is not available in your area. Press the  button 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 the  button. 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 the  button. 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 the  button. 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 the



button and ask a Lexus Link Advisor.

■ Information on Advanced Services

See the Lexus Link area of the Lexus website at www.lexus.com/lexuslink/ or call the Lexus Link Call Center at 1-800-25-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.

| | | | |
|---|------------|--|------------|
| 4-1. Maintenance and care | 388 | 4-2. Maintenance | 394 |
| Cleaning and protecting the vehicle exterior..... | 388 | Maintenance requirements..... | 394 |
| Cleaning and protecting the vehicle interior..... | 391 | General maintenance..... | 396 |
| | | Emission inspection and maintenance (I/M) programs | 399 |
| | | 4-3. Do-it-yourself maintenance | 400 |
| | | Do-it-yourself service precautions..... | 400 |
| | | Hood..... | 403 |
| | | Positioning a floor jack..... | 404 |
| | | Engine compartment | 406 |
| | | Tires..... | 421 |
| | | Tire inflation pressure..... | 431 |
| | | Wheels..... | 435 |
| | | Air conditioning filter | 437 |
| | | Electronic key battery..... | 440 |
| | | Checking and replacing fuses | 442 |
| | | Headlight aim | 467 |
| | | Light bulbs..... | 470 |

4-1. Maintenance and care

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.

■ Automatic car washes

- Fold the mirrors back before washing the vehicle.
- Brushes used in automatic car washes may scratch the vehicle surface and harm your vehicle's paint.
- Before entering an automatic car wash, check that the fuel filler door is closed.

■ High pressure washers

Do not allow the nozzles of the washers to come within close proximity of the windows and fuel filler door.

■ 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 paint deterioration and corrosion on the body

- 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 pipe

Exhaust gasses cause the exhaust pipe to become quite hot.

When washing the vehicle, be careful not to touch the pipe until it has cooled sufficiently, as touching a hot exhaust pipe 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 (with rain-sensing windshield wipers)**



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 a 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. Use a cloth dampened with lukewarm water to gently wipe the window clean. Wipe the window in strokes running parallel to the heater wires.

■ 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. The excellent results are obtained by 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

- Be careful not to splash or spill liquid on the floor.
- Do not get any of the SRS components or wiring in the vehicle interior wet.
(→P. 81)
Electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or serious 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 is 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 Services Guide/Owner's Manual Supplement/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, see the separate "Owner's Guide", "Warranty and Services Guide", "Owner's Manual Supplement" or "Warranty Booklet".

■ 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**■ Hazardous materials**

- 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. 417)
- 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 Services Guide/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. 416) |
| Engine coolant | • At the correct level? (→P. 414) |
| Engine oil | • At the correct level? (→P. 409) |
| Exhaust system | • No fumes or strange sounds? |
| Radiator/condenser/hoses | • Not blocked with foreign matter? (→P. 415) |
| Washer fluid | • At the correct level? (→P. 420) |
| 12 volt battery | • Maintenance-free (→P. 417) |

Vehicle interior

| Items | Check points |
|---|---|
| Accelerator pedal | <ul style="list-style-type: none"> • Moves smoothly (without uneven pedal effort or catching)? |
| Automatic transmission "Park" mechanism | <ul style="list-style-type: none"> • Can the vehicle be hold securely on an incline with the shift lever in "P"? |
| Brake pedal | <ul style="list-style-type: none"> • Moves smoothly? • Does it have appropriate clearance and correct amount of free play? |
| Brakes | <ul style="list-style-type: none"> • Pulls to one side when applied? • Loss of brake effectiveness? • Spongy feeling brake pedal? • Pedal almost touches floor? |
| Head restraints | <ul style="list-style-type: none"> • Move smoothly and lock securely? |
| Indicators/buzzers | <ul style="list-style-type: none"> • Function properly? |
| Lights | <ul style="list-style-type: none"> • Do all the lights come on? • Headlights aimed correctly? (→P. 467) |
| Parking brake | <ul style="list-style-type: none"> • Moves smoothly? • Can hold the vehicle securely on an incline? |
| Seat belts | <ul style="list-style-type: none"> • Does the seat belt system operate smoothly? • Are the belts undamaged? |
| Seats | <ul style="list-style-type: none"> • Do the seat controls operate properly? |
| Steering wheel | <ul style="list-style-type: none"> • Moves smoothly? • Has correct free play? • No strange noises? |

Vehicle exterior

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

 **CAUTION**

■ If the engine is running

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

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:

- 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 yourself, be sure to follow the correct procedure given in these sections.

| Items | Parts and tools |
|-------------------------------------|---|
| 12 volt battery condition (→P. 417) | <ul style="list-style-type: none">• Grease• Conventional wrench (for terminal clamp bolts) |
| Brake fluid level (→P. 416) | <ul style="list-style-type: none">• FMVSS No.116 DOT 3 or SAE J1703 brake fluid• Rag or paper towel• Funnel (used only for adding brake fluid) |
| Engine coolant level (→P. 414) | <ul style="list-style-type: none">• “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.• Funnel (used only for adding coolant) |

| Items | Parts and tools |
|-----------------------------------|--|
| Engine oil level (→P. 409) | <ul style="list-style-type: none"> • “Toyota Genuine Motor Oil” or equivalent • Rag or paper towel, funnel (used only for adding engine oil) |
| Fuses (→P. 442) | <ul style="list-style-type: none"> • Fuse with same amperage rating as original |
| Headlight aim (→P. 467) | <ul style="list-style-type: none"> • Phillips-head screwdriver |
| Radiator and condenser (→P. 415) | — |
| Tire inflation pressure (→P. 431) | <ul style="list-style-type: none"> • Tire pressure gauge • Compressed air source |
| Washer fluid (→P. 420) | <ul style="list-style-type: none"> • Water washer fluid containing anti-freeze (for winter use) • Funnel |

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

- Keep hands, clothing, and tools away from the moving fan and engine drive belt.
- Be careful not to touch the engine, 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 or the 12 volt battery. Fuel and 12 volt battery fumes are flammable.
- Be extremely cautious when working on the 12 volt battery. It contains poisonous and corrosive sulfuric acid.

■ When working near the electric cooling fan or radiator grille

Be sure the “ENGINE START STOP” switch is OFF.

With the “ENGINE START STOP” switch in IGNITION 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. 415)

■ 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 cleaner filter

Driving with the air cleaner filter 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.

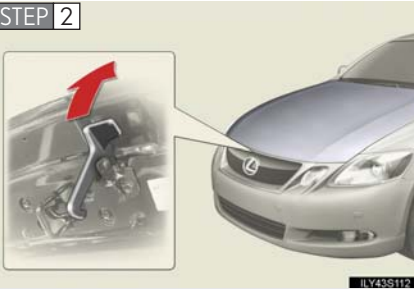
STEP 1



Pull the hood lock 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

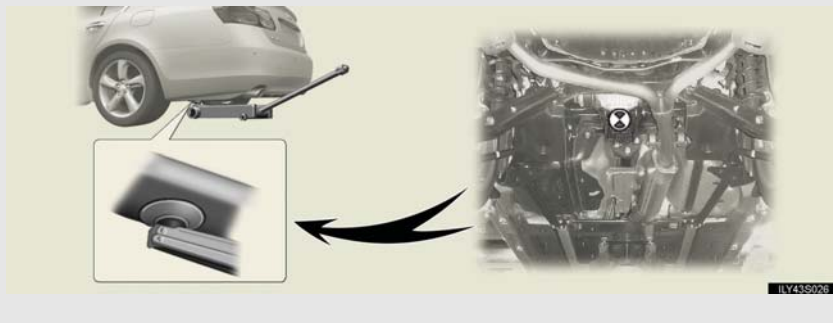
Positioning a floor jack

When raising your vehicle with a floor 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.



- Lift up the vehicle using a floor jack such as the one shown in the illustration.

- Do not use the jack that was supplied with your vehicle.
- Do not put any part of your body or get underneath the vehicle supported only by the floor jack.
Always use automotive jack stands or a solid, level surface.
- Do not start the engine while the vehicle is supported by the floor jack.
- Stop the vehicle on level firm ground, firmly set the parking brake and put the shift lever in "P".
- Make sure to set the floor jack properly at the jack point.
Raising the vehicle with an improperly positioned floor jack will damage the vehicle and may cause the vehicle to fall off the floor 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 floor jack.

4-3. Do-it-yourself maintenance

Engine compartment

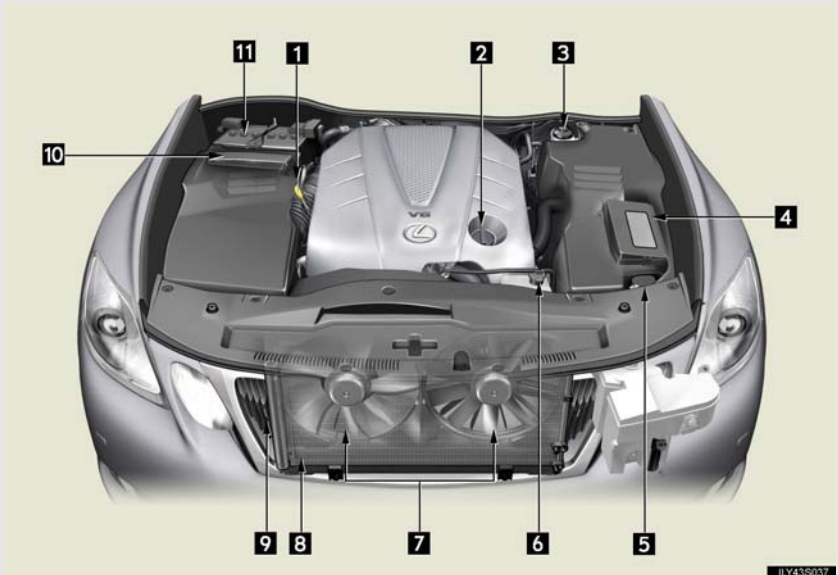
► GS460



ILY43S003

- | | |
|---|--|
| 1 Engine oil level dipstick (→P. 409) | 6 Engine coolant reservoir (→P. 414) |
| 2 Engine oil filler cap (→P. 410) | 7 Electric cooling fans |
| 3 Brake fluid reservoir (→P. 416) | 8 Condenser (→P. 415) |
| 4 Fuse box (→P. 442) | 9 Radiator (→P. 415) |
| 5 Washer fluid tank (→P. 420) | 10 Fuse box (→P. 442) |
| | 11 12 volt battery (→P. 417) |

▶ GS350



1 Engine oil level dipstick
(→P. 409)

2 Engine oil filler cap
(→P. 410)

3 Brake fluid reservoir
(→P. 416)

4 Fuse box
(→P. 442)

5 Washer fluid tank
(→P. 420)

6 Engine coolant reservoir
(→P. 414)

7 Electric cooling fans

8 Condenser
(→P. 415)

9 Radiator
(→P. 415)

10 Fuse box
(→P. 442)

11 12 volt battery
(→P. 417)

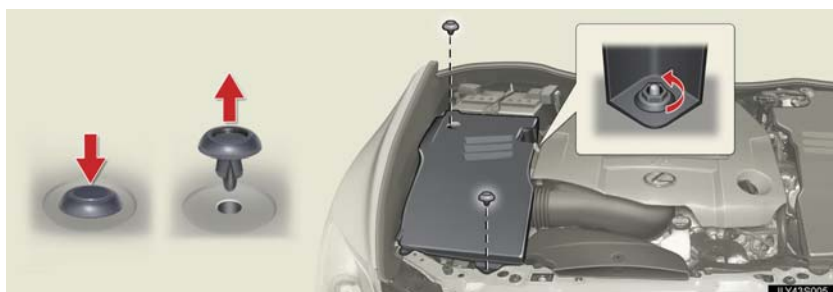
Engine compartment cover

■ Removing the cover

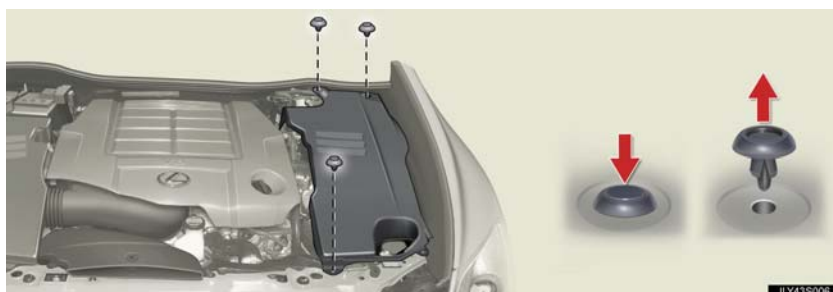
▶ Front



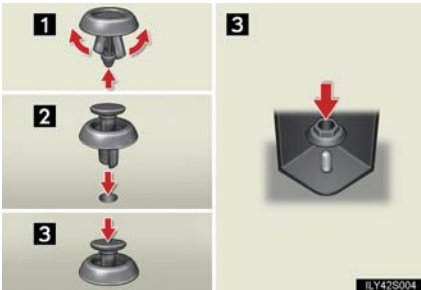
▶ Right-hand side



▶ Left-hand side



■ Installing the clips



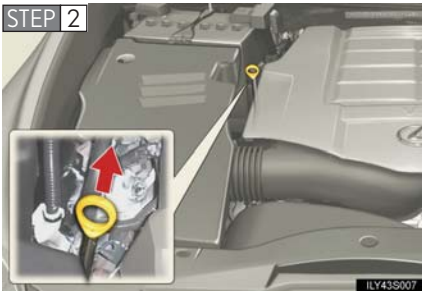
- 1 Push up center portion
- 2 Insert
- 3 Press

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 engine, wait a few minutes for the oil to drain back into the bottom of the engine.



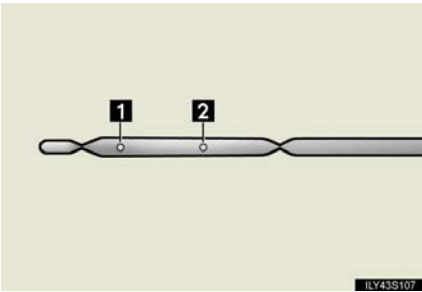
Hold a rag under the end and pull the dipstick out.

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 multigrade engine oil |
| Oil quantity (Low → Full) | 1.6 qt. (1.5 L, 1.3 Imp. qt.) |
| Items | Clean funnel |

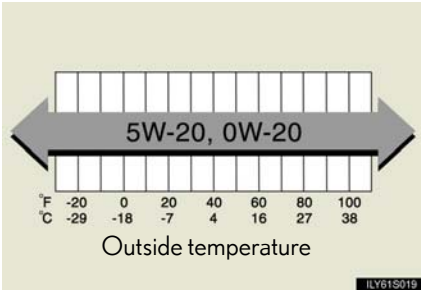
STEP 1 Remove the oil filler cap.

STEP 2 Add engine oil slowly, checking the dipstick.

STEP 3 Install the filler cap, turning it clockwise.

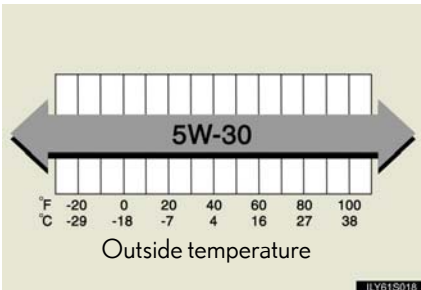
■ Recommended viscosity

► GS460



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.

► GS350



SAE 5W-30 is the best choice for good fuel economy, and good starting in cold weather.

If SAE 5W-30 oil is not available, SAE 10W-30 oil may be used. However, it should be replaced with SAE 5W-30 at the next oil change.

■ How to read oil container labels

The ILSAC (International Lubricant Standardization and Approval Committee) Certification Mark is added to some oil containers to help you select the oil you should use.



■ 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 the vehicle consumes more than this amount, contact your Lexus dealer.

■ Resetting the engine oil maintenance data (U.S.A. only)

Perform the following steps:

- STEP 1** Press the “DISP” switch (→P. 140) to change the multi-information display to blank.
- STEP 2** Turn the “ENGINE START STOP” switch to OFF.
- STEP 3** Turn the “ENGINE START STOP” switch to IGNITION ON mode with the trip meter reset button held down.
- STEP 4** Keep pressing the button for longer than 7 seconds after the “ENGINE START STOP” switch is in IGNITION ON mode.



After the above operation, the message shown in the left will appear on the display.

The master warning light and tone will turn on. After 5 seconds, the system reset is completed.

 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**

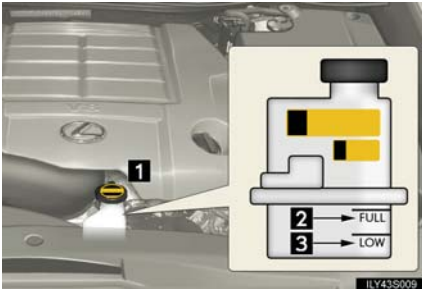
Check the oil level on regular basis.

■ 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 engine is cold.



1 Reservoir cap

2 “FULL”

3 “LOW”

If the level is on or below the “LOW” line, add coolant up to the “FULL” line.

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

Visually check the radiator, hoses, reservoir cap, radiator cap, 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 system.

■ 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. (Enabled: -31°F [-35°C])

Canada: “Toyota Super Long Life Coolant” is a mixture of 55% coolant and 45% deionized water. (Enabled: -44°F [-42°C])

For more details about coolant, contact your Lexus dealer.

⚠ CAUTION**■ When the engine is hot**

Do not remove the radiator and 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 to parts or paint.

Radiator and condenser

Check the radiator and condenser and clear any foreign objects.

If either of the above parts are extremely dirty or you are not sure of their condition, have your vehicle checked by your Lexus dealer.

⚠ CAUTION**■ When the engine is hot**

Do not touch the radiator 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.

Make sure to check the fluid type and prepare the necessary items.

■ Adding fluid

| | |
|------------|---|
| Fluid type | FMVSS No.116 DOT 3 or SAE J1703 brake fluid |
| Items | 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.

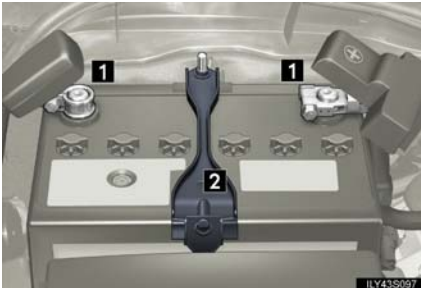
If the reservoir needs frequent refilling, it may indicate a serious problem.

12 volt battery

Check the battery as follows.

■ **Exterior**

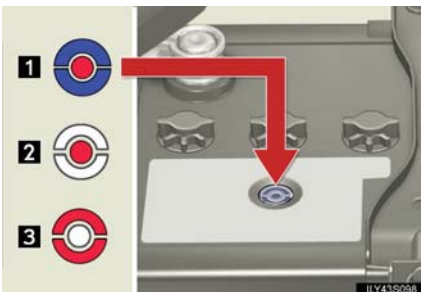
Make sure that the battery terminals are not corroded and that there are no loose connections, cracks, or loose clamps.



- 1 Terminals
- 2 Hold-down clamp

■ **Check battery condition**

Check the battery condition by the indicator color.



- 1 Blue: Good condition
- 2 White: Charging necessary
Have the battery checked by your Lexus dealer.
- 3 Red: Not working properly,
have the battery checked by your Lexus dealer.

■ Before recharging

When recharging, the battery produces hydrogen gas which is flammable and explosive. Therefore, before recharging:


- If recharging with the 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 battery.

■ After recharging/reconnecting the battery

In some cases, the engine 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 engine. (If the system does not start first time, repeat the procedure.)
- With the shift lever in "P" and the "ENGINE START STOP" switch is OFF, open and close any door, then attempt to start the engine.

If the system will not start even after multiple attempts at both methods, contact your Lexus dealer.

 **CAUTION**
■ Chemicals in the battery

A 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 battery:

- Do not cause sparks by touching the battery terminals with tools.
- Do not smoke or light a match near the battery.
- Avoid contact with eyes, skin and clothes.
- Never inhale or swallow electrolyte.
- Wear protective safety glasses when working near the battery.
- Keep children away from the battery.

■ Where to safely charge the battery

Always charge the battery in an open area. Do not charge the battery in a garage or closed room where there is not sufficient ventilation.

■ How to recharge the battery

Only perform a slow charge (5A or less). The 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 a burning sensation, seek 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.

NOTICE

■ When recharging the battery

Never recharge the battery while the engine is on. Also, be sure all accessories are turned off.

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.

CAUTION

■ When refilling the washer fluid

Do not refill the washer fluid when the engine is hot or running, as the washer fluid contains alcohol and may catch the fire if spilled on the engine etc.

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

Tires

Replace or rotate tires in accordance with maintenance schedule and treadwear.

■ Checking tires

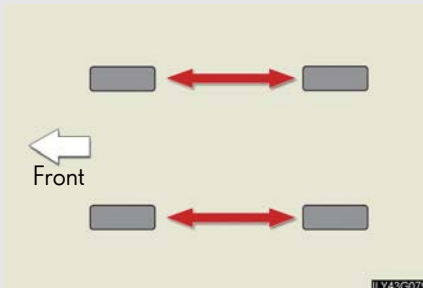


- 1 New tread
- 2 Treadwear indicator
- 3 Worn tread

The location of treadwear indicators is shown by the “TWI” or “△” 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.

To equalize tire wear and extend tire life, Lexus recommends that tire rotation is carried out at the same interval as tire inspection.

■ The 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. 490, 498)

Installing tire pressure warning valves and transmitters

When replacing tires or wheels, tire pressure warning valves and transmitters must also be installed.

When new tire pressure warning valves and transmitters are installed, new tire pressure warning valve and transmitter ID codes must be registered in the tire pressure warning computer and tire pressure warning system must be initialized. Have tire pressure warning valve and transmitter ID codes registered by your Lexus dealer. (→P. 424)

Initializing the tire pressure warning system

■ **The tire pressure warning system must be initialized in the following circumstances:**

- When rotating the tires on vehicles differing with front and rear tire inflation pressures.
- When changing the tire inflation pressure by changing traveling speed or load weight, etc.

When the tire pressure warning system is initialized, the current tire inflation pressure is set as the pressure benchmark.

■ How to initialize the tire pressure warning system

STEP 1 Park the vehicle in safe place and turn the “ENGINE START STOP” switch to OFF.

While the vehicle is moving, initialization is not performed.

STEP 2 Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (→P. 550)

Make sure to adjust the tire pressure to the specified cold tire inflation pressure level. The tire pressure warning system will operate based on this pressure level.

STEP 3 Turn the “ENGINE START STOP” switch to IGNITION ON mode.

STEP 4



Push and hold the tire pressure warning reset switch until the tire pressure warning light blinks slowly three times and the message “PRESSURE INITIAL” appears on the multi-information display.

STEP 5 Wait for a few minutes with the IGNITION ON mode, and then turn “ENGINE START STOP” switch to the OFF.

Registering and selecting ID codes

■ Registering ID codes

2 sets of tire pressure warning valve and transmitter ID codes can be registered. Once a second set of tires is registered at “2nd”, you can switch between tire set settings simply by pressing the tire pressure warning select switch.

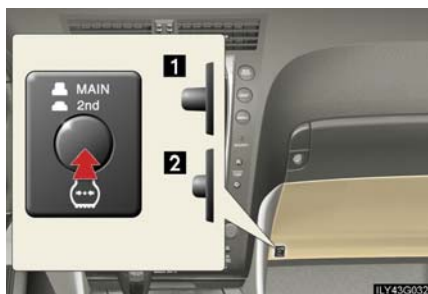
There are 2 settings:

“MAIN” position: The ID code of the tire pressure warning valve and transmitter on the tires originally installed on the vehicle is registered.

“2nd” position: The ID code is not registered. When you replace a new set of tires, purchase tire pressure warning valves and transmitters from your Lexus dealer and have the new ID code registered by your Lexus dealer.

■ Selecting ID codes

When replacing tires, make sure to select the ID code set that matches the new tire set. If the tire pressure warning select switch is set to the wrong tire setting, the tire pressure warning system will not operate properly. After driving for about 20 minutes, the tire pressure warning light comes on after blinking for 1 minute to indicate a system malfunction.



1 “MAIN”

2 “2nd”

■ 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.

■ Replacing tires and wheels

If the ID code of the tire pressure warning valve and transmitter is not registered, the tire pressure warning system will not work properly. After driving for about 20 minutes, the tire pressure warning light comes on after blinking for 1 minute to indicate a system malfunction.

■ 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 snow tires is lost.

■ Low profile tires (245/40R18, P245/40R18 and 245/40ZR18 tires)

Generally, low profile tires will wear more rapidly and tire grip performance will be reduced on snowy and/or icy roads when compared to standard tires. Be sure to use snow tires or snow chains on snowy and/or icy roads and drive carefully at a speed appropriate for road and weather conditions.

■ Initializing the tire pressure warning system

Initialize the tires with the tire inflation pressure adjusted to the specified level.

■ 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 Gross Axle Weight Ratings (GAWR), see the Certification Label. (→P. 431, 556).

■ 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. 199)

■ Initializing the tire pressure warning system

Initialize the tires with the tire inflation pressure adjusted to the specified level.

■ If you push 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 the 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 tire pressure warning light does not flash 3 times and the setting message does not appear on the multi-information display.
- After carrying out the initialization procedure, the tire pressure warning light blinks for 1 minute then stays on after driving for 20 minutes.

■ 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.

■ 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**

■ **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 treadwear.
- 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.

■ **When initializing the tire pressure warning system**

Do not push 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 valve and transmitter, contact your Lexus dealer as the tire pressure warning valve and transmitter may be damaged if not handled correctly.

■ **To avoid damaging the tire pressure warning valves and transmitters**

Do not use liquid sealants on flat tires.

■ **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.

■ **Low profile tires (245/40R18, P245/40R18 and 245/40ZR18 tires)**

Low profile tires may cause greater damage than usual to the tire wheel when receiving impact from the road surface. Therefore pay attention to the following:

- Be sure to use proper tire inflation pressure. If tires are under-inflated, they may be damaged more severely.
- Avoid hot holes, uneven pavement, curbs and other road hazards. Failure to do so can lead to severe tire and wheel damage.

■ **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 is displayed on the tire and loading information label. (→P. 550)



| TIRE AND LOADING INFORMATION | | | INFORMATION SUR LES PNEUS ET LE CHARGEMENT | | |
|--|-----------|--------------------|--|-----------|------------------------------|
| SEATING CAPACITY - TOTAL X FRONT X REAR X The combined weight of occupants and cargo should never exceed XXX kg or XXX lb. | | | NOMBRE DE PLACES ASSISES TOTAL X AVANT X ARRIERE X Le poids total des occupants et du chargement ne doit jamais être supérieur à XXX kg ou XXX lb. | | |
| TIRE | SIZE | COLD TIRE PRESSURE | PNEUS | DIMENSION | PRESSION DE GONFLAGE À FROID |
| FRONT | XXXXXXRXX | XXXkPa,XXPSI | AVANT | XXXXXXRXX | XXXkPa,XXPSI |
| REAR | XXXXXXRXX | XXXkPa,XXPSI | ARRIERE | XXXXXXRXX | XXXkPa,XXPSI |
| SPARE | TXXXXXXDX | XXXkPa,XXPSI | SECOURS | TXXXXXXDX | XXXkPa,XXPSI |
| SEE OWNER'S MANUAL FOR ADDITIONAL INFORMATION | | | POUR DE PLUS AMPLES INFORMATIONS, VOIR LE MANUEL DU PROPRIÉTAIRE | | |

ILY43G033

■ 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 within the recommended levels, adjust tire 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 inflation pressure every 2 weeks, or at least once a month. If equipped, do not forget to check the spare.

■ Effects of incorrect tire inflation pressure

Driving with incorrect tire inflation 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:

- 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.
- After 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 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 to provide advanced warning in the event of a loss in tire inflation pressure. Whenever wheels are replaced, the tire pressure warning valves and transmitters must be installed. (→P. 422)

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 death or serious injury.

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 cleaned or changed regularly to maintain air conditioning efficiency.

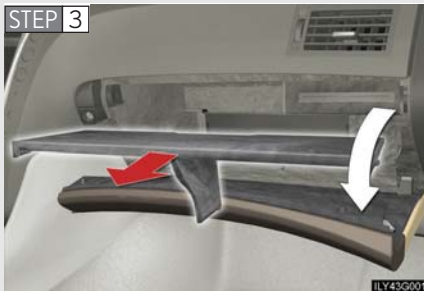
■ Removal method

STEP 1 Set the air conditioning system to recirculated mode.

The air conditioning filter case cannot be removed with the system in the outside air mode.

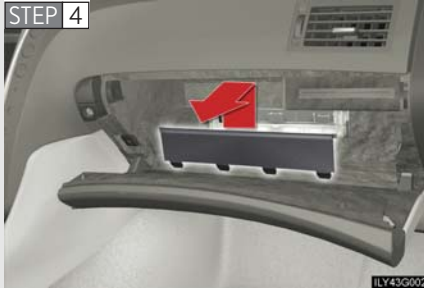
STEP 2 Turn the “ENGINE START STOP” switch to OFF.

STEP 3



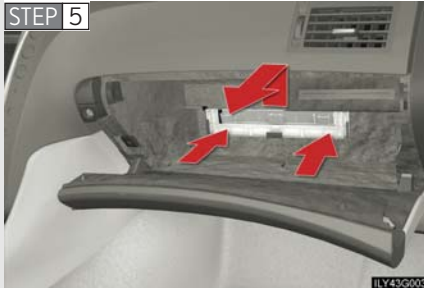
Open the glove box and remove the partition.

STEP 4



Remove the filter cover.

STEP 5



Press the tabs and remove the filter case.

■ Cleaning method

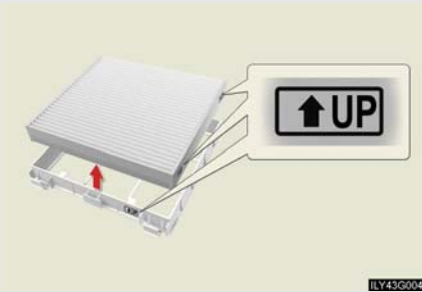


If the filter is dirty, clean by blowing compressed air through the filter from the downward side.

Hold the air gun 2 in. (5 cm) from the filter and blow for approximately 2 minutes at 73 psi (500 kPa, 5.1 kgf/cm² or bar).

If it is not available, have the filter cleaned by your Lexus dealer.

■ Replacement method



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.

■ Checking interval

Inspect and replace the air conditioning filter according to the maintenance schedule. In dusty areas or areas with heavy traffic flow, early replacement may be required. (For scheduled maintenance information, refer to the “Warranty and Services Guide/Owner’s Manual Supplement/Scheduled Maintenance”.)

■ If air flow from the vents decreases dramatically

The filter may be clogged. Check the filter and replace if necessary.

NOTICE

■ To prevent damage to the system

- When using the air conditioning system, make sure that a filter is always installed.
- When cleaning the filter, do not clean the filter with water.

4-3. Do-it-yourself maintenance

Electronic key battery

Replace the battery with a new one if it is discharged.

■ 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 discharged

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 your Lexus dealer.
- Dispose of used batteries according to the local laws.

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 electronic key.
- Do not bend 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 “ENGINE START STOP” switch to OFF.

STEP 2 Remove the engine compartment cover if necessary.

→P. 408

STEP 3 Open the fuse box cover.

■ Engine compartment

▶ Type A



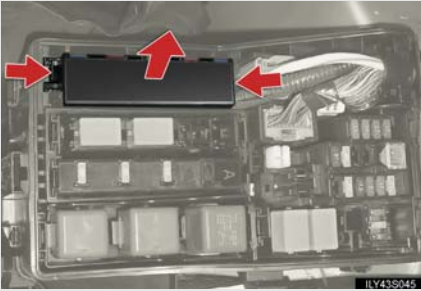
Push the tabs in and lift the lid off.

▶ Type B



Push the tabs in and lift the lid off.

■ Front controller in the engine compartment fuse box
(engine compartment: type B)



Lift the lid off while pushing the tabs on either side.

■ Left side instrument panel



Remove the lid.

■ Right side instrument panel



Remove the lid.

■ Luggage compartment



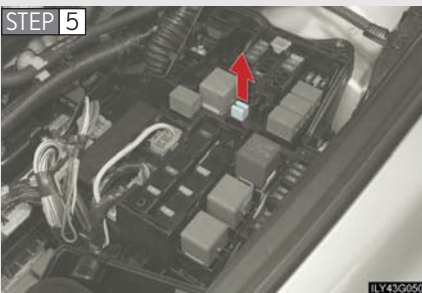
Remove the cover.

■ Luggage compartment (vehicles with active stabilizer suspension system)



Remove the lid.

STEP 4 After a system failure, see “Fuse layout and amperage ratings” (→P. 447) for details about which fuse to check.

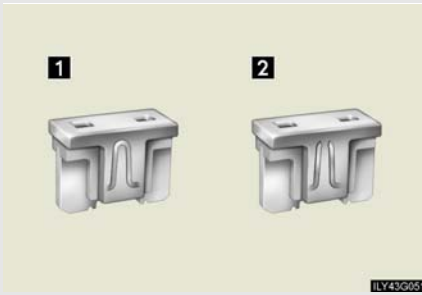


STEP 5

Remove the fuse with the pull-out tool.

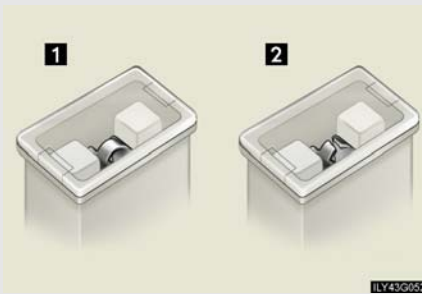
STEP 6 Check if the fuse has blown.

▶ Type A

**1** Normal fuse**2** Blown fuse

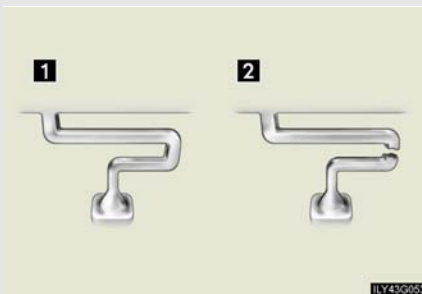
Replace it with one of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

▶ Type B

**1** Normal fuse**2** Blown fuse

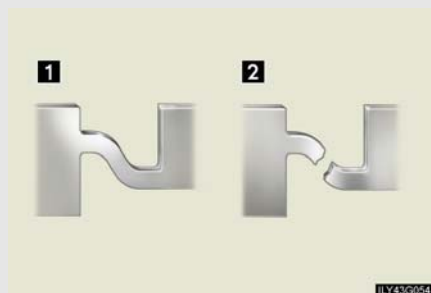
Replace it with one of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

▶ Type C

**1** Normal fuse**2** Blown fuse

Contact your Lexus dealer.

▶ Type D



1 Normal fuse

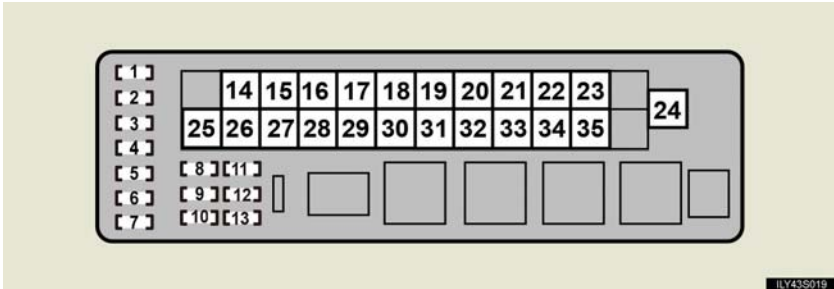
2 Blown fuse

Contact your Lexus dealer.

Fuse layout and amperage ratings

■ Engine compartment (Type A)

▶ GS460



| Fuse | | Ampere | Circuit |
|------|-----------|--------|---|
| 1 | ECU-B | 10 | VGRS, EPS, driver's seat switch module, Lexus link system ECU |
| 2 | ABS MAIN3 | 10 | Electronically controlled brake system |
| 3 | TURN-HAZ | 15 | Turn signal lights, emergency flashers |
| 4 | IG2 MAIN | 20 | IG2, GAUGE and IGN |
| 5 | RAD NO.2 | 30 | Audio system |
| 6 | D/C CUT | 20 | DOME and MPX-B |
| 7 | RAD NO.1 | 30 | Audio system |

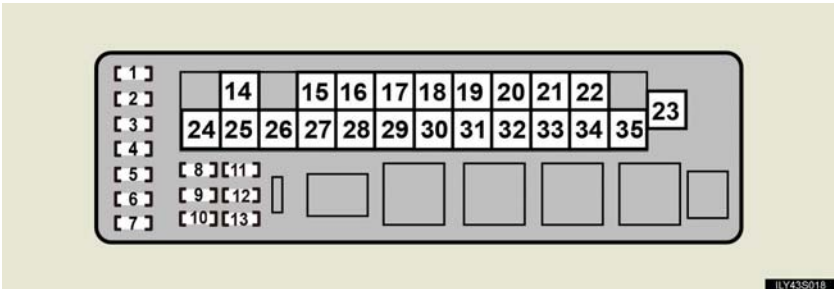
| Fuse | | Ampere | Circuit |
|------|-----------|--------|--|
| 8 | MPX-B | 10 | Multiplex communication system, front controller, door control system (power door lock system, door courtesy lights, power windows, power rear view mirror control system, outside rear view mirror heaters), power seat system, steering sensors, electronically controlled brake system, tilt and telescopic steering wheel, gauges and meters, combination switch |
| 9 | DOME | 10 | Foot lights, vanity lights, gauges and meters, steering spot light, steering switch illumination, rear personal lights, automatic transmission selector lever spot light, front personal lights |
| 10 | CDS | 10 | Noise filter |
| 11 | ABS MAIN2 | 10 | Electronically controlled brake system |
| 12 | ABS MOTOR | 30 | ABS |
| 13 | ABS MAIN1 | 10 | Capacitor |
| 14 | BATT-E/G | 60 | FR CTRL BATT, ETCS, ALT-S, A/F HTR and INJ2 |
| 15 | P/I-B | 60 | EFI NO.1, F/PMP and INJ |
| 16 | ABS1 | 50 | VDIM |
| 17 | RH J/B-B | 30 | AM2, DOOR FR and DOOR RR |

| | Fuse | Ampere | Circuit |
|----|-----------|--------|---|
| 18 | VGRS | 40 | VGRS |
| 19 | MAIN | 30 | H-LP R LWR and H-LP L LWR |
| 20 | STARTER | 30 | Starting system |
| 21 | LH J/B-B | 30 | FL DOOR, RL DOOR and RAD NO.3 |
| 22 | VVT | 40 | Electronic engine control system |
| 23 | EPS | 80 | EPS |
| 24 | ALT | 180 | RH J/B-AM, LH J/B-AM, E/G-AM, RR JB, HEATER, DEFOG, FAN1, FAN2, ABS2, ABS MOTOR, ABS MAIN1, and ABS MAIN2 |
| 25 | RH J/B-AM | 80 | AM1, OBD, STOP SW, TI&TE, PWR OUTLET, FR P/SEAT RH, STR LOCK, ECU-IG RH, RH-IG, ACC, CIG, SECURITY, FR S/HTR RH and AIR SUS |
| 26 | FAN3 | 80 | Electric cooling fans |
| 27 | LH J/B-AM | 80 | S/ROOF, P/SEAT, TV, FL S-HTR, ECU-IG L, WIP, H-LP LVL, LH-IG, FUEL OPN, A/C, PANEL, LH-B and TRK OPN |
| 28 | ABS2 | 30 | ABS |
| 29 | DEFFOG | 50 | Rear window defogger, noise filter |
| 30 | CDS | 40 | CDS |

4-3. Do-it-yourself maintenance

| Fuse | | Ampere | Circuit |
|------|--------|--------|--|
| 31 | FAN1 | 40 | Electric cooling fans |
| 32 | HEATER | 50 | Air conditioning system |
| 33 | FAN2 | 40 | Electric cooling fans |
| 34 | E/G-AM | 60 | H-LP CLN, FR CTRL ALT, A/C COMP and STB-AM |
| 35 | RR J/B | 80 | STOP LP R, STOP LP L, RR-B, RR TAIL, RR FOG, RR-IG1, PSB, and RR S/SHADE |

► GS350



| Fuse | | Ampere | Circuit |
|------|-----------|--------|--|
| 1 | ECU-B | 10 | VGRS, EPS, driver's seat switch module, Lexus link system ECU |
| 2 | ABS MAIN3 | 25 | Electronically controlled brake system |
| 3 | TURN-HAZ | 15 | Turn signal lights, emergency flashers |
| 4 | IG2 MAIN | 20 | IG2, GAUGE and IGN |
| 5 | RAD NO.2 | 30 | Audio system |
| 6 | D/C CUT | 20 | DOME and MPX-B |
| 7 | RAD NO.1 | 30 | Audio system |
| 8 | MPX-B | 10 | Multiplex communication system, front controller, door control system (power door lock system, door courtesy lights, power windows, power rear view mirror control system, outside rear view mirror heaters), power seat system, steering sensors, electronically controlled brake system, tilt and telescopic steering wheel, gauges and meters, combination switch |

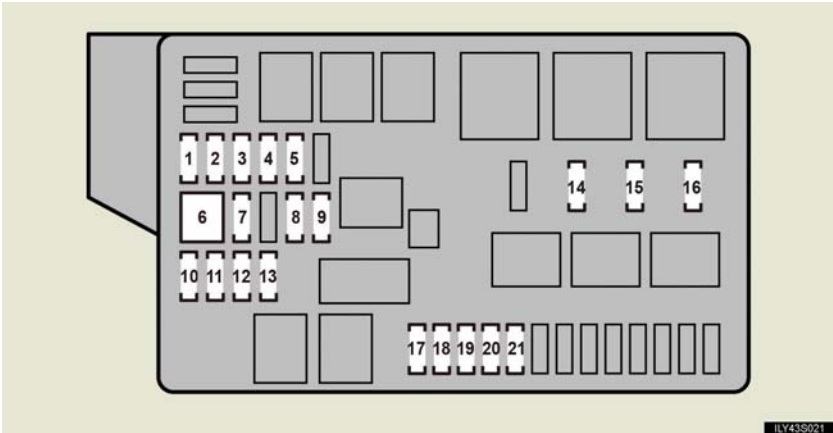
4-3. Do-it-yourself maintenance

| Fuse | | Ampere | Circuit |
|------|-----------|--------|---|
| 9 | DOME | 10 | Foot lights, vanity lights, gauges and meters, steering spot light, steering switch illumination, rear personal lights, automatic transmission selector lever spot light, front personal lights |
| 10 | CDS | 10 | Noise filter |
| 11 | ABS MAIN2 | 10 | Electronically controlled brake system |
| 12 | ABS MOTOR | 30 | ABS |
| 13 | ABS MAIN1 | 10 | Capacitor |
| 14 | BATT-E/G | 60 | FR CTRL BATT, ETCS, ALT-S and A/F HTR |
| 15 | ABS1 | 50 | VDIM system |
| 16 | RH J/B-B | 30 | AM2, DOOR FR and DOOR RR |
| 17 | VGRS | 40 | VGRS |
| 18 | MAIN | 30 | H-LP R LWR and H-LP L LWR |
| 19 | STARTER | 30 | Starting system |
| 20 | LH J/B-B | 30 | FL DOOR, RL DOOR and RAD NO.3 |
| 21 | P/I-B | 60 | EFI NO.1, F/PMP and INJ |
| 22 | EPS | 80 | EPS |
| 23 | ALT | 150 | RH J/B-AM, LH J/B-AM, E/G-AM, RR JB, HEATER, DEFOG, FAN1, FAN2, ABS2, ABS MOTOR, ABS MAIN1, and ABS MAIN2 |

| Fuse | | Ampere | Circuit |
|------|-----------|--------|---|
| 24 | RR J/B | 80 | STOP LP R, STOP LP L, RR-B, RR TAIL, RR FOG, RR-IG1, PSB, and RR S/SHADE |
| 25 | GLW PLG1 | 50 | Starting system |
| 26 | RH J/B-AM | 80 | AM1, OBD, STOP SW, TI&TE, PWR OUTLET, FR P/SEAT RH, STR LOCK, ECU-IG RH, RH-IG, ACC, CIG, SECURITY, FR S/HTR RH and AIR SUS |
| 27 | ABS2 | 30 | ABS |
| 28 | DEFFOG | 50 | Rear window defogger, noise filter |
| 29 | CDS | 40 | CDS |
| 30 | FAN1 | 40 | Electric cooling fans |
| 31 | HEATER | 50 | Air conditioning system |
| 32 | GLW PLG2 | 50 | Starting system |
| 33 | E/G-AM | 60 | H-LP CLN, FR CTRL ALT, A/C COMP and STB-AM |
| 34 | LH J/B-AM | 80 | S/ROOF, P/SEAT, TV, FL S-HTR, ECU-IG L, WIP, H-LP LVL, LH-IG, FUEL OPN, A/C, PANEL, LH-B and TRK OPN |
| 35 | FAN2 | 60 | Electric cooling fans |

■ Engine compartment (Type B)

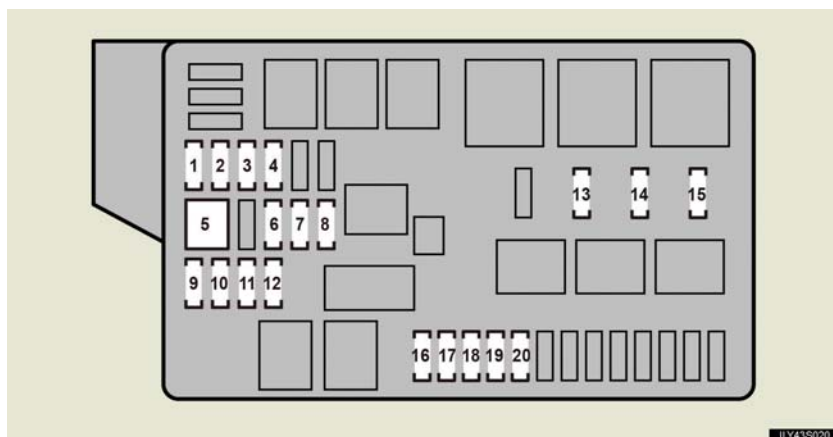
► GS460



| Fuse | | Ampere | Circuit |
|------|------------|--------|---|
| 1 | FR CTRL-B | 25 | H-LP UPR and HORN |
| 2 | A/F | 15 | Exhaust system |
| 3 | ETCS | 10 | Electronic throttle control system |
| 4 | ALT-S | 7.5 | Charging system |
| 5 | INJ2 | 25 | Multiport fuel injection system/ sequential multiport fuel injection system |
| 6 | H-LP CLN | 30 | Headlight cleaner |
| 7 | STB-AM | 30 | _____ |
| 8 | DEICER | 25 | _____ |
| 9 | FR CTRL-AM | 30 | FR TAIL, FR FOG and WASHER |

| Fuse | | Ampere | Circuit |
|------|------------|--------|--|
| 10 | IG2 | 10 | Ignition system, noise filter and ECT ECU |
| 11 | EFI NO.2 | 10 | Fuel system, exhaust system, multiport fuel injection system/sequential multiport fuel injection system, electronic engine control system, leak detection pump |
| 12 | H-LP R LWR | 15 | Headlight low beam (right) |
| 13 | H-LP L LWR | 15 | Headlight low beam (left) |
| 14 | F/PMP | 25 | Fuel system |
| 15 | EFI | 25 | Multiport fuel injection system/sequential multiport fuel injection system, ECT ECU |
| 16 | INJ | 25 | Multiport fuel injection system/sequential multiport fuel injection system |
| 17 | H-LP UPR | 15 | Headlight high beams |
| 18 | HORN | 10 | Horns |
| 19 | WASHER | 20 | Windshield wipers and washer |
| 20 | FR TAIL | 10 | Parking lights, side marker light |
| 21 | FR FOG | 15 | Front fog lights |

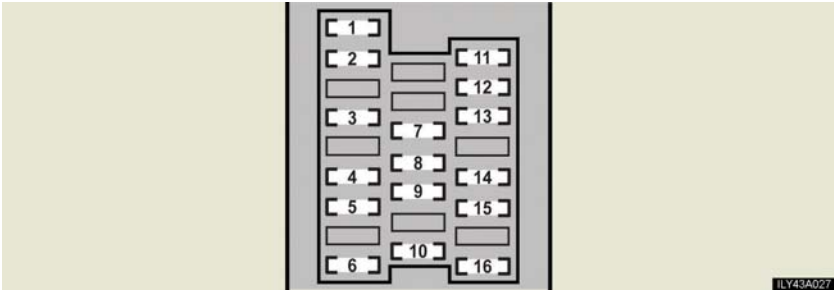
▶ GS350



| Fuse | | Ampere | Circuit |
|------|------------|--------|------------------------------------|
| 1 | FR CTRL-B | 25 | H-LP UPR and HORN |
| 2 | A/F | 15 | Exhaust system |
| 3 | ETCS | 10 | Electronic throttle control system |
| 4 | ALT-S | 7.5 | Charging system |
| 5 | H-LP CLN | 30 | Headlight cleaner |
| 6 | A/C COMP | 7.5 | Air conditioning system |
| 7 | DEICER | 25 | — |
| 8 | FR CTRL-AM | 30 | FR TAIL, FR FOG and WASHER |
| 9 | IG2 | 10 | Ignition system and noise filter |
| 10 | EFINO.2 | 10 | Fuel system and exhaust system |

| | Fuse | Ampere | Circuit |
|----|------------|--------|---|
| 11 | H-LP R LWR | 15 | Headlight low beam (right) |
| 12 | H-LP L LWR | 15 | Headlight low beam (left) |
| 13 | F/PMP | 25 | Fuel system |
| 14 | EFI NO.1 | 25 | Multiport fuel injection system/ sequential multiport fuel injection system |
| 15 | INJ | 20 | Multiport fuel injection system/ sequential multiport fuel injection system |
| 16 | H-LP HI | 15 | Headlight high beams |
| 17 | HORN | 10 | Horns |
| 18 | WASHER | 20 | Windshield wipers and washer |
| 19 | FR TAIL | 10 | Parking lights, side marker light |
| 20 | FR FOG | 15 | Front fog lights |

■ Left side instrument panel



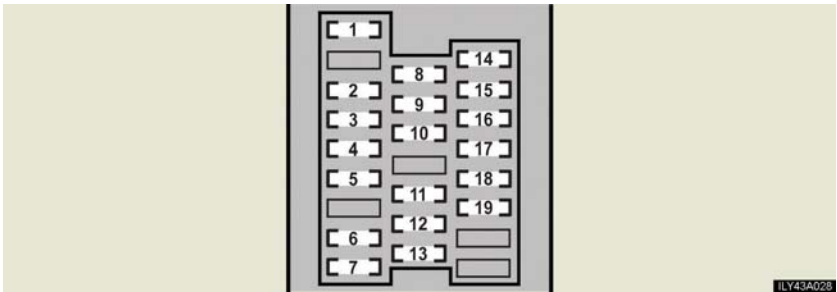
| Fuse | | Ampere | Circuit |
|------|--------------|--------|---|
| 1 | FR P/SEAT LH | 30 | Power seat system |
| 2 | A/C | 7.5 | Air conditioning system |
| 3 | TV | 7.5 | Audio system, air conditioning system, rear view monitor system |
| 4 | TRK OPN | 10 | Trunk lid opener |
| 5 | LH-B | 10 | Theft deterrent system |
| 6 | S/ROOF | 25 | Moon roof |
| 7 | PANEL | 7.5 | Steering switch illumination, audio system, glove box light, automatic transmission selector lever illumination, console box light, adaptive variable suspension switch illumination, cigarette lighter illumination, air conditioning system, VSC OFF switch illumination, driving pattern selector switch, seat heater or heated and ventilated seat switches, register ILL RH, register ILL LH, fuel filler door and trunk lid opener switch illumination, D-SW module |

| Fuse | | Ampere | Circuit |
|------|-------------|--------|--|
| 8 | FUEL OPN | 10 | Fuel filler door opener, trunk lid opener |
| 9 | ECU-IG LH | 10 | VDIM, electronically controlled brake system, yaw rate and G sensor, steering sensor, cruise control system, dynamic radar cruise control system, EPS, VGRS, rear view monitor system, four-wheel drive system, front controller, moon roof, rain sensor |
| 10 | FR S/HTR LH | 15 | Seat heaters and ventilators |
| 11 | RR DOOR LH | 20 | Rear left door control system (power door lock system, door courtesy light, power window) |
| 12 | FR DOOR LH | 20 | Front left door control system (power door lock system, power rear view mirror control system, door courtesy light, outside rear view mirror heater, power window) |
| 13 | RAD NO.3 | 10 | Audio system |
| 14 | H-LP LVL | 7.5 | AFS, automatic headlight leveling control system |

4-3. Do-it-yourself maintenance

| Fuse | | Ampere | Circuit |
|------|--------|--------|--|
| 15 | LH-IG | 10 | Charging system, headlight cleaners, exhaust gas sensor, rear window defogger, electric cooling fans, rear left door control system, front left door control system, emergency flashers, automatic transmission, seat belt pretensioners, Intuitive parking assist, power window |
| 16 | FR WIP | 30 | Windshield wipers and washer |

■ Right side instrument panel

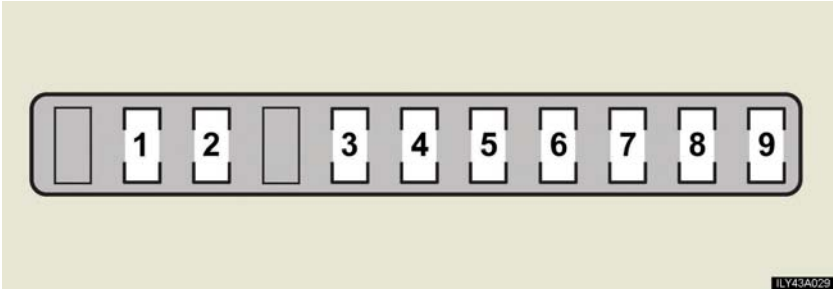


| Fuse | | Ampere | Circuit |
|------|--------------|--------|--|
| 1 | FR P/SEAT RH | 30 | Power seat system |
| 2 | OBD | 7.5 | On-board diagnosis system |
| 3 | STOP SW | 7.5 | Stop/tail lights, multi-port fuel injection system/sequential multiport fuel injection system, starting system, electronically controlled brake system, VSC system, shift lock system, ECT ECU |
| 4 | AM1 | 7.5 | — |
| 5 | TI&TE | 20 | Tilt and telescopic steering wheel, multiplex communication system |
| 6 | SECURITY | 7.5 | Smart access system with push-button start |
| 7 | STR LOCK | 25 | Steering lock system |
| 8 | GAUGE | 7.5 | Gauges and meters |

| Fuse | | Ampere | Circuit |
|------|------------|--------|--|
| 9 | IGN | 10 | Multi-port fuel injection system/ sequential multiport fuel injection system, SRS airbag system, stop/tail lights, steering lock system, electroni- cally controlled brake system, Lexus link system ECU, occupant classifica- tion system ECU |
| 10 | ACC | 7.5 | Multiplex communication system, smart access system with push-but- ton start, rear view monitor system, audio system, air conditioning system, Lexus link system ECU |
| 11 | CIG | 15 | Cigarette lighter |
| 12 | PWR OUTLET | 15 | Power outlet |
| 13 | AIR SUS | 20 | Adaptive variable suspension system |
| 14 | RR DOOR RH | 20 | Rear right door control system (power door lock system, door cour- tesy light, power window) |
| 15 | FR DOOR RH | 20 | Front right door control system (power door lock system, power rear view mirror control system, door courtesy light, outside rear view mir- ror heater, power window), multiplex communication system |

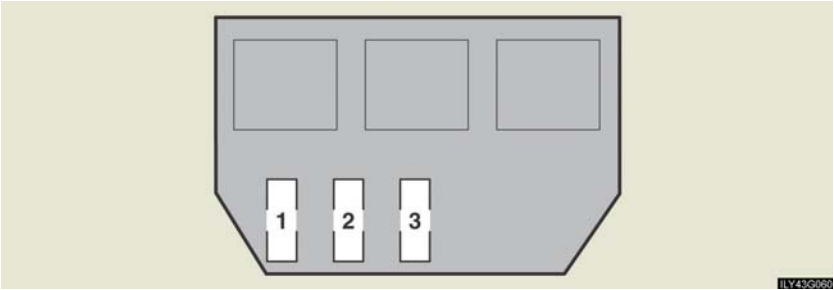
| Fuse | | Ampere | Circuit |
|------|-------------|--------|--|
| 16 | AM2 | 7.5 | Starting system |
| 17 | RH-IG | 7.5 | Seat heater switches, front right door control system, rear right door control system, capacitor, combination switch, seat belt pretensioners, shift lever switch, power window |
| 18 | FR S/HTR RH | 15 | Seat heaters and ventilators |
| 19 | ECU-IG RH | 10 | Tilt and telescopic steering, combination switch, multiplex communication system, power seat, smart entry & start system, air conditioning system, audio system, shift lock system |

Luggage compartment



| Fuse | | Ampere | Circuit |
|------|------------|--------|---|
| 1 | RR S/SHADE | 7.5 | Rear sunshade |
| 2 | PSB | 30 | Pre-collision seat belt |
| 3 | RR-IG2 | 10 | _____ |
| 4 | RR-IG1 | 10 | Pre-collision seat belt, seat belt pretensioners, A/P UNIT, rear sunshade |
| 5 | RR-B | 10 | Trunk light, noise filter |
| 6 | RR FOG | 7.5 | _____ |
| 7 | STOP LPL | 10 | Stoplights, back-up light |
| 8 | STOP LPR | 10 | High mounted stoplights |
| 9 | RR TAIL | 10 | Tail lights, license plate lights, rear side marker lights |

■ Luggage compartment (vehicles with active stabilizer suspension system)



| | Fuse | Ampere | Circuit |
|---|-----------|--------|------------------|
| 1 | STB FR | 50 | Front stabilizer |
| 2 | STB RR | 30 | Rear stabilizer |
| 3 | STB DC/DC | 30 | DC/DC converter |

■ 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. 470)
- If the replaced fuse blows again, have the vehicle inspected by your Lexus dealer.

■ If there is an overload in the circuits

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.

Failing 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.

 **NOTICE**

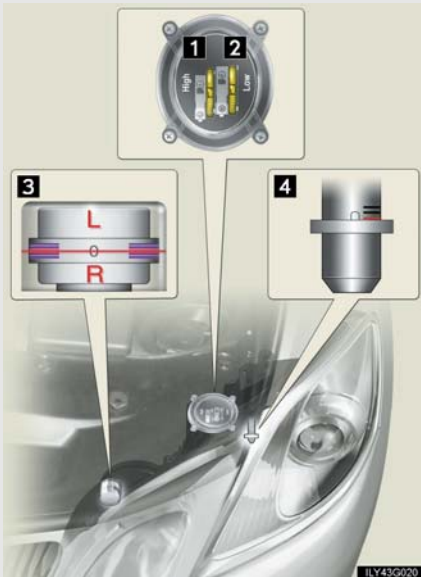
■ **Before replacing fuses**

Have the cause of electrical overload determined and repaired by your Lexus dealer.

4-3. Do-it-yourself maintenance

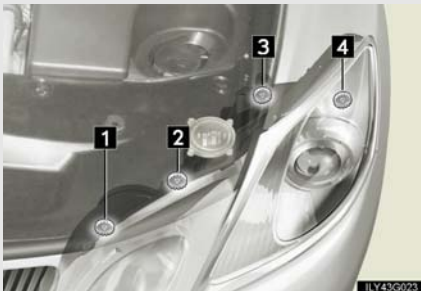
Headlight aim

Gauges



- 1 High beam vertical position
- 2 Low beam vertical position
- 3 High beam horizontal position
- 4 Low beam horizontal position

Adjustment bolts



- 1 High beam horizontal adjustment
- 2 High beam vertical adjustment
- 3 Low beam adjustment bolt A
- 4 Low beam adjustment bolt B

■ 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

- ▶ Low beam (vertical adjustment)



Using a Phillips-head screwdriver, turn adjustment bolt A so that the bubble is within the 2 center lines.

Remember the turning direction and the number of turns.



Turn bolt B the same number of turns and in the same direction as step 1.

► Low beam (horizontal adjustment)

Turn adjustment bolt A so that the red line on the gauge is in the middle of the "0" mark (within the blue lines to either side of the gauge).

► High beam (vertical and horizontal adjustment)

Turn each adjustment bolt in either direction so that the bubble is within the 2 center lines (vertical), and the red line on the gauge is in the middle of the "0" mark (within the blue lines to either side of the gauge) (horizontal).

If you feel that there is a large deviation, have the headlight aim adjusted at a Lexus dealer.

4-3. Do-it-yourself maintenance

Light bulbs

You may replace the following bulbs yourself. For more information about replacing other light bulbs, contact your Lexus dealer.

■ Prepare a replacement light bulb

Check the wattage of the light bulb being replaced. (→P. 552)

■ Remove the engine compartment cover if necessary

→P. 408

■ Front bulb locations

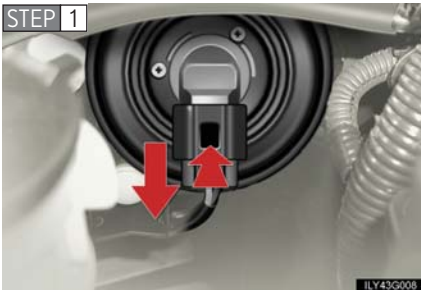


■ Rear bulb locations

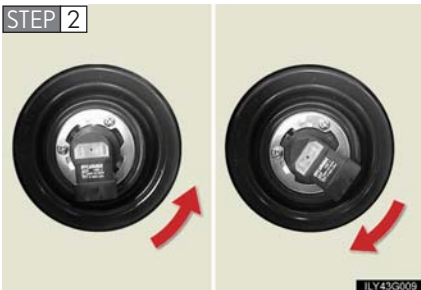


Replacing light bulbs

■ Headlight high beam

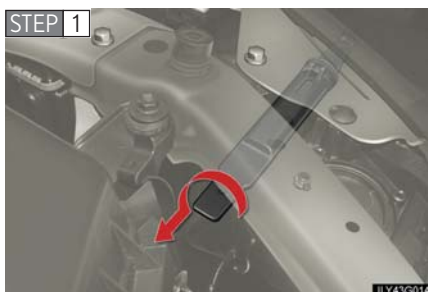


Unplug the connector while depressing the lock release.



Turn the bulb base counterclockwise to remove it.

■ Parking light

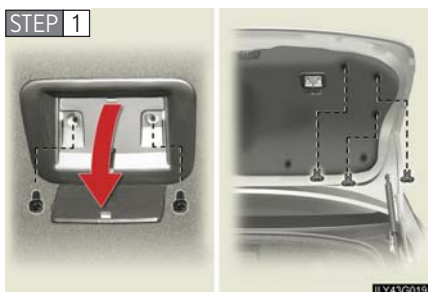


Turn the bulb base counterclockwise.

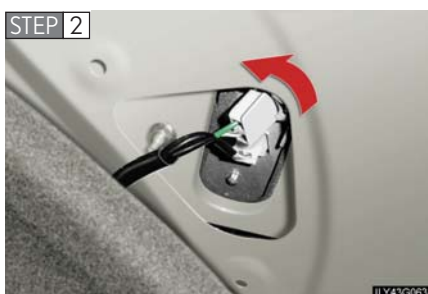


Remove the light bulb.

■ Back-up light

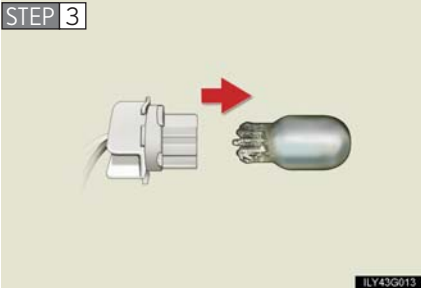


Open the trunk lid. Remove the trunk handle and panel cover clips.



Partly remove the trunk panel cover and turn the bulb bases counterclockwise.

STEP 3



Remove the light bulb.

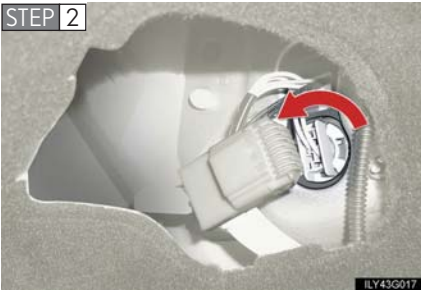
■ Rear turn signal light

STEP 1



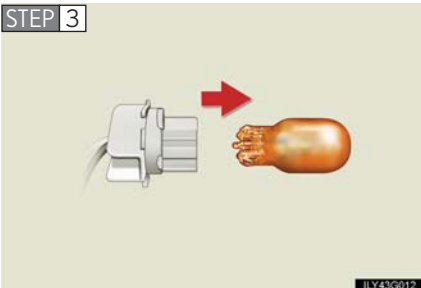
Open the trunk lid and remove the cover.

STEP 2



Turn the bulb base counterclockwise.

STEP 3



Remove the light bulb.

■ Bulbs other than the above

If any of the bulbs listed below has burnt out, have your Lexus dealer replace it.

- Headlight low beams (high-intensity discharge bulbs)
 - Fog lights
 - Front turn signal lights
 - Front side marker lights
 - Side turn signal lights
 - Tail/stop lights
 - Tail lights
 - Rear side marker 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.


■ LED light bulbs

The side turn signal lights, tail, tail/stop and high mounted stoplights 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.

If two or more LEDs in a stoplight burn out, your vehicle may not conform to local laws (SAE).

■ High-intensity discharge (HID) headlights

If voltage to the high-intensity discharge bulbs is insufficient, the light may not come on, or may go out temporarily. The high-intensity discharge bulbs will come on when normal power is restored.

 **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. Failing 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 death or serious injury.

■ High-intensity discharge (HID) headlights

- Contact your Lexus dealer before replacing high-intensity 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 death or serious injury by electric shock.

■ To prevent damage or fire

Make sure bulbs are fully seated and locked.

| | | | | |
|--|------------|-----------------------------------|------------------------|------------|
| 5-1. Essential information..... | 478 | 5-2. Steps to take in an | emergency | 488 |
| If your vehicle needs | | If a warning light turns on or a | | |
| to be towed..... | 478 | warning buzzer sounds... .. | | 488 |
| If you think something is | | If a warning message is | | |
| wrong | 484 | displayed..... | | 497 |
| Fuel pump shut off | | If you have a flat tire (Vehicles | | |
| system | 485 | with standard tires)..... | | 512 |
| Event data recorder | 486 | If you have a flat tire (Vehicles | | |
| | | with run-flat tires)..... | | 522 |
| | | If the engine will not start | | 523 |
| | | If the shift lever cannot be | | |
| | | shifted from “P” | | 524 |
| | | If you lose your keys | | 525 |
| | | If the electronic key does | | |
| | | not operate properly..... | | 526 |
| | | If the 12 volt battery is | | |
| | | discharged | | 529 |
| | | If your vehicle overheats | | 533 |
| | | If the vehicle becomes | | |
| | | stuck..... | | 536 |

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 flat bed truck.

Use a safety chain system for all towing, and abide by all state/provincial and local laws.

If towing from the rear, the wheels and axle on the ground must be in good condition.

If they are damaged, use a towing dolly or flat bed truck.

Before towing

The following may indicate a problem with your automatic transmission. Contact your Lexus dealer before towing.

- The engine is running, 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. 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.

► Towing eyelet



■ Emergency towing procedure

- STEP 1** Release the parking brake.
- STEP 2** Put the shift lever in "N".
- STEP 3** The "ENGINE START STOP" switch must be in the ACCESSORY mode (engine off) or the IGNITION ON mode (engine on).

⚠ CAUTION

■ While towing

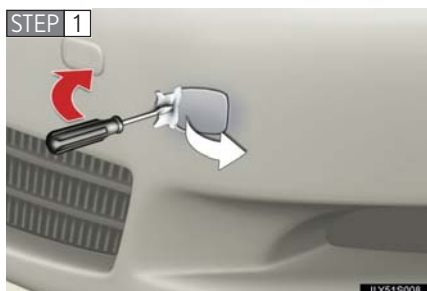
- Use extreme caution when towing the vehicle.
Avoid sudden starts or erratic driving maneuvers which place excessive stress on the emergency towing eyelet and the cable or chain.
- If the engine is not running, the power assist for the brakes and steering will not function, making steering and braking more difficult.

⚠ NOTICE

■ To prevent causing serious damage to the automatic transmission

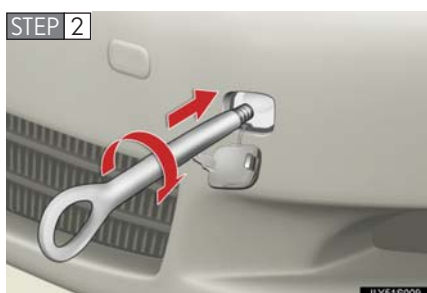
Never tow this vehicle from the front with the rear wheels (2WD models) or four wheels (4WD models) on the ground.
This may cause serious damage to the automatic transmission.

Installing towing eyelet



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. 512

⚠ CAUTION**■ Installing towing eyelet to the vehicle**

Make sure that towing eyelet is installed securely.

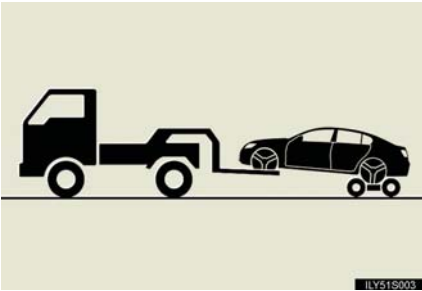
If not securely installed, towing eyelet may come loose during towing. This may lead to accidents that cause serious injury or even death.

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.

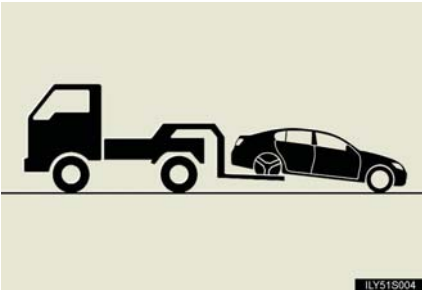
Towing with a wheel lift-type truck

▶ From front



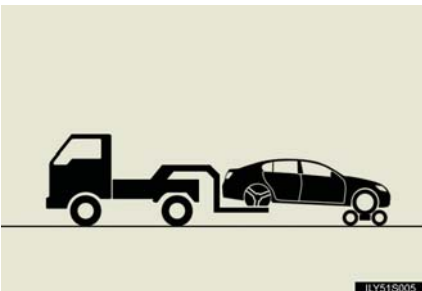
Use a towing dolly under the rear wheels.

▶ From rear (2WD models)



Turn the “ENGINE START STOP” switch to the ACCESSORY mode so that the steering wheel is unlocked.

▶ From rear (4WD models)



Use a towing dolly under the front wheels.

 NOTICE

■ **To prevent causing serious damage to the automatic transmission**

Never tow this vehicle from the front with the rear wheels on the ground.

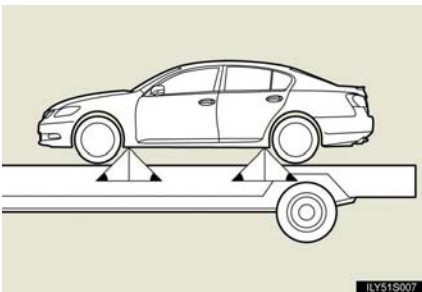
■ **To prevent damaging the vehicle**

- Do not tow the vehicle with the “ENGINE START STOP” switch is OFF.
The steering lock mechanism is not strong enough to hold the front wheel 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 flat bed truck



If your Lexus is transported by a flat bed 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°.

Do not overly tighten the tie downs or the vehicle may be damaged.

5-1. Essential information

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 gauge needle continually points higher than normal

■ 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 engine

■ 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

Fuel pump shut off system

To minimize the risk of fuel leakage when the engine stalls or an airbag inflates upon collision, the fuel pump shut off system stops supplying fuel to the engine.

Follow the procedure below to restart the engine after the system is activated.

STEP 1] Turn the “ENGINE START STOP” switch to the ACCESSORY mode or OFF.

STEP 2] Restart the engine.



NOTICE

■ Before starting the engine

Inspect the ground under the vehicle.

If you find that fuel has leaked on to the ground, the fuel system has been damaged and is in need of repair. Do not restart the engine.

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 a system to record data in a crash or a near car crash event. This is called an Event Data Recorder (EDR).

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:

- Engine speed
- Whether the brake pedal was applied or not
- Vehicle speed
- To what extent the accelerator pedal was depressed
- Position of the automatic 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
- Front passenger's occupant classification

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

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.) | Brake system warning light (warning buzzer)*¹ <ul style="list-style-type: none">• Low brake fluid• Malfunction in the brake system This light also comes on when the parking brake is not released. If the light turns off after the parking brake is fully released, the system is operating normally. |
|  (Canada) | |

*1: Parking brake engaged warning buzzer:

→P. 503









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 |
|---|---|
|  | Charging system warning light Malfunction in the vehicle's charging system. |

Have the vehicle inspected immediately.

Failing 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 |
|---|--|
|  (U.S.A.)  (Canada) | Malfunction indicator lamp Malfunction in: <ul style="list-style-type: none"> • The electronic engine control system; • The electronic throttle control system; or • The automatic transmission control system. |
|  | SRS warning light Malfunction in: <ul style="list-style-type: none"> • The SRS airbag system; • The front passenger occupant classification system; or • The seat belt pretensioner system. |
|  (U.S.A.)  (Canada) | ABS warning light Malfunction in: <ul style="list-style-type: none"> • The ABS; or • The brake assist system. |
|  | ECB^{*2}/VSC warning light Malfunction in: <ul style="list-style-type: none"> • The electronically controlled brake system; or • The VSC. |
|  | Electric power steering system warning light Malfunction in the EPS. |
|  | “PCS” warning light (if equipped) Malfunction in the pre-collision system. |

*2: Electronically Controlled Brake System

Have the malfunction repaired immediately.

After taking the specified steps to correct the suspected problem, check that the warning light turns off.

| Warning light | Warning light/Details | Correction procedure |
|---|---|--|
|  | Open door warning light (warning buzzer)*³ A door or the trunk is not fully closed. | Check that all doors and the trunk are closed. |
|  | Low fuel level warning light Remaining fuel (Approximately 3.2 gal. [12 L, 2.6 Imp.gal.] or less) | Refuel the vehicle. |
|  | Driver's seat belt reminder light (warning buzzer)*⁴ Warns the driver to fasten his/her seat belt. | Fasten the seat belt. |
|  | Front passenger's seat belt reminder light (warning buzzer)*⁴ Warns the front passenger to fasten his/her seat belt. | Fasten the seat belt. |
|  | Tire pressure warning light | |
| | When the light comes on: Low tire inflation pressure. | Adjust the tire inflation pressure. |
| | When the light comes on after blinking for 1 minute: Malfunction in the tire pressure warning system. | Have the system checked by your Lexus dealer. |

| Warning light | Warning light/Details | Correction procedure |
|---|---|---|
|  | <p>Master warning light</p> <p>A buzzer sounds and the warning light comes on and flashes to indicate that the master warning system has detected a malfunction.</p> | <p>Take appropriate action in accordance with the message displayed on the multi-information display.</p> |

*3: Open door warning buzzer:

→P. 502

*4: Driver's and front passenger's seat belt reminder buzzer:

The driver's and front passenger's seat belts reminder sounds 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.

■ If the malfunction indicator lamp comes on while driving

First check the following:

- Is your vehicle low on gas?
If it is, refuel the vehicle 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.

■ 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.

■ SRS warning light

This warning light system monitors the following:

- The airbag sensor assembly
- Front airbag sensors
- The curtain shield and rear side airbag sensors
- The side and curtain shield airbag sensors
- The front passenger occupant classification ECU
- "AIR BAG ON" and "AIR BAG OFF" indicator lights
- The pressure sensor
- The belt tension sensor
- The seat belt buckle switches
- The driver's seat position sensor
- The inflators
- The warning light
- The interconnecting wiring and power sources

■ 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 "ENGINE START STOP" switch is turned to IGNITION ON mode, have it checked by your Lexus dealer.

■ When the tire pressure warning light comes on

Check the tire inflation pressure and adjust to the appropriate level. Pushing the tire pressure warning reset switch does not turn off the tire pressure warning light.

■ If the tire pressure warning system is inoperative

The tire pressure warning system will be disabled in the following conditions:

(When the condition becomes normal, the system will work properly.)

- If tires 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 in the tire pressure warning computer.
- If the tire pressure warning select switch is set to a different tire setting.
- If the tire inflation pressure is 73 psi (500 kPa, 5.1 kgf/cm² or bar) or higher.

The tire pressure warning system may be disabled in the following conditions:

(When the condition becomes normal, the system will work properly.)


- If electronic devices or facilities using similar radio wave frequencies are nearby.
- 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. (Even if you use Lexus wheels, the tire pressure warning system may not work properly with some types of tires.)
- If tire chains are used.

■ The tire pressure warning light may turn on due to natural causes

The tire pressure warning light may turn on due to natural causes such as natural air leaks or tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

■ When a tire is replaced with a spare tire

The compact spare tire is not equipped with the tire pressure warning valve and transmitter. If a tire goes flat, the tire pressure warning light will not turn off even though the flat tire is replaced with the spare tire. Replace the spare tire with the repaired tire and adjust the proper tire inflation pressure. The tire pressure warning light will turn off after a few minutes.

 **CAUTION**

■ **If the tire pressure warning light comes on**

Be sure to observe the following precautions. Failure to do so could cause loss of vehicle control and result in death or serious injury.

● Vehicles with standard tires:


- Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.
- If the tire pressure warning light comes on even after tire inflation pressure adjustment, it is probable that you have a flat tire. Check the tires. If the tire is flat, change to the spare tire and have the flat tire repaired by the nearest Lexus dealer.
- Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

● Vehicles with run-flat tires:

- Decelerate to the lowest appropriate speed as soon as possible. Do not drive over 55 mph (90 km/h).
- Check and adjust the tire inflation pressure immediately.
- If the tire pressure warning light comes on even after tire inflation pressure adjustment, it is probable that you have a flat tire. Have the tire replaced by the nearest Lexus dealer.
- Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

■ **If a blowout or sudden air leakage should occur**

The tire pressure warning system may not activate immediately.

 **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 load 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 load 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 (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).

Your vehicle has also been equipped with a TPMS (tire pressure warning system) malfunction indicator to indicate when the system is not operating properly. The TPMS (tire pressure warning system) malfunction indicator is combined with the low tire pressure telltale (tire pressure warning light). When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended.

TPMS (tire pressure warning system) malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS (tire pressure warning system) from functioning properly. Always check the TPMS (tire pressure warning system) malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS (tire pressure warning system) to continue to function properly.

 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

If a warning is shown on the multi-information display, stay calm and perform the following actions:




- 1 Multi-information display
- 2 Master warning light

The master warning light also comes on or flashes in order to indicate that a message is currently being displayed on the multi-information display.

If any of the warning light turns on again after performing the following actions, contact your Lexus dealer.



Stop the vehicle immediately.






A buzzer sounds and a warning message is shown on the multi-information display. The following warnings indicate 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 message | Details |
|--|--|
|  <p>LOW OIL PRESSURE (Flashing)</p> | <p>Abnormal engine oil pressure. The warning light may turn on if the engine oil pressure is too low.</p> |

Have the vehicle inspected immediately.

A buzzer sounds and a warning message is shown on the multi-information display. Failing 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.







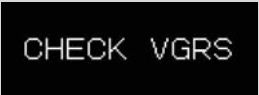


| Warning message | Details |
|--|---|
| <p>CHECK HEADLIGHT</p>  | <p>Malfunction in the automatic headlight leveling system.</p> |
| <p>CHECK REARLAMP</p>  | <p>Malfunction in the rear lights system.</p> |
| <p> CHECK SYSTEM</p>   | <p>Malfunction in the tire pressure warning system. The tire pressure warning light comes on after blinking for 1 minute.</p> |
| <p>CHECK S/T LOCK</p>  (Flashing) | <p>Malfunction in the steering lock system.</p> |

| Warning message | Details |
|--|---|
| <p data-bbox="125 302 325 334">CHECK AWD</p>  <p data-bbox="153 446 320 479">(AWD models)</p> | <p data-bbox="397 354 761 386">Malfunction in the AWD system.</p> |
|   <p data-bbox="165 678 309 711">(If equipped)</p> | <p data-bbox="397 553 791 586">Intuitive parking assist malfunction.</p> <p data-bbox="412 591 961 656">The malfunctioning sensor is shown flashing on the display.</p> |
| <p data-bbox="131 756 314 813">CHECK ACT. STABI.</p>  <p data-bbox="165 906 309 938">(If equipped)</p> | <p data-bbox="397 797 961 862">Malfunction in the active stabilizer suspension system.</p> |
| <p data-bbox="131 984 325 1040">CHECK PCS SYSTEM</p> <p data-bbox="123 1081 195 1114">PCS</p>  <p data-bbox="165 1214 309 1247">(If equipped)</p> | <p data-bbox="397 1081 666 1114">Malfunction in the PCS.</p> |

| Warning message | Details |
|---|--|
| <p>CHECK CRUISE SYSTEM</p> <p>CRUISE (Flashing)</p>  <p>(If equipped)</p> | <p>Malfunction in the radar cruise control system. Stop the vehicle in a safe place. Turn the “ENGINE START STOP” switch to OFF and then to IGNITION ON mode again to reset the cruise control system.</p> |
| <p>CHECK CHARGING SYSTEM</p>  | <p>Malfunction in the charging system.</p> |
| <p>CHECK POWER STEERING SYSTEM</p>  | <p>Malfunction in the power steering system.</p> |
| <p>BRAKE MALFUNCTION</p> | <p>Malfunction in the brake system.</p> |
| <p>CHECK ABS</p> | <p>Malfunction in the ABS.</p> |

Have the vehicle inspected immediately.








Failing to investigate the cause of the following warning may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer immediately.







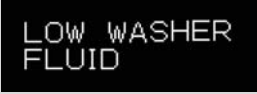

| Warning message | Details |
|--|--|
|   | <p>Malfunction in the TRAC, VSC or hill-start assist control system. GS460: "CHECK ECB*" may be displayed at the same time, or on its own.</p> |
|     | <p>Malfunction in the ABS or brake assist system. GS460: "CHECK ECB*" may be displayed at the same time, or on its own.</p> |
|   (GS460) | <p>Malfunction in the VGRS.</p> |
|  (If equipped, steering guide symbol and arrows are flashing) | <p>The steering sensor cable is broken and signals cannot be received.</p> |

*: Electronically Controlled Brake System





Have the malfunction repaired immediately.






A buzzer sounds and a warning message is shown on the multi-information display. After taking the specified steps to correct the suspected problem, check that the warning message turns off.





| Warning message | Details | Correction procedure |
|---|--|--|
| <p>LEFT FRONT DOOR </p> <p>RIGHT FRONT DOOR </p> <p>LEFT REAR DOOR </p> <p>RIGHT REAR DOOR </p> | <p>One or more of the doors is not fully closed.</p> <p>The system also indicates which doors are not fully closed.</p> <p> flashes and a buzzer sounds to indicate that one or more of the doors is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).</p> | <p>Make sure that all of the doors are closed.</p> |
| <p>HOOD OPEN </p> | <p>The hood is not fully closed.</p> <p> flashes and a buzzer sounds to indicate that hood is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).</p> | <p>Close the hood.</p> |

| Warning message | Details | Correction procedure |
|---|--|-----------------------------------|
|  | <p>The trunk is not fully closed.</p> <p> flashes and a buzzer sounds to indicate that trunk is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).</p> | <p>Close the trunk.</p> |
|  <p> (Flashing) (If equipped)</p> | <p>The moon roof is not fully closed (with the “ENGINE START STOP” switch is OFF and the driver’s door opened).</p> | <p>Close the moon roof.</p> |
|  <p> (Flashing)</p> | <p>The parking brake is still engaged (with the vehicle having reached a speed of more than 3 mph [5 km/h]).</p> | <p>Release the parking brake.</p> |
|  <p></p> | <p>The washer fluid level is low.</p> | <p>Add washer fluid.</p> |

5-2. Steps to take in an emergency

| Warning message | Details | Correction procedure |
|---|--|--|
| <p>LOW ENGINE OIL LEVEL</p>  | <p>The engine oil level is low.</p> | <p>Check the engine oil level, and add if necessary.</p> |
| <p>LOW TIRE</p>   | <p>Low tire inflation pressure.</p> | <p>Check the tire inflation pressure, and adjust to the appropriate level.</p> |
| <p>OIL MAINT REQD</p>  <p>(U.S.A. only)</p> | <p>The engine oil should be changed.</p> <p>Comes on approximately 5000 miles (8000 km) after the engine oil is changed (and the oil maintenance data has been reset).</p> | <p>Check and change the engine oil.</p> |

| Warning message | Details | Correction procedure |
|--|--|--|
|   (If equipped) | Intuitive parking assist is dirty or covered with ice. | Clean the sensor. |
|  PCS (Flashing) (If equipped) | The PCS is not currently functional. | Clean the grille and the sensor. This message appears when the pre-collision system is hot. In this case, wait until the system cools down. |
|  CRUISE (Flashing)  (If equipped) | The radar cruise control sensor is dirty or covered with ice. | Clean the sensor. |

| Warning message | Details | Correction procedure |
|---|--|--|
|    (If equipped) | <p>The radar cruise control system is unable to judge vehicle-to-vehicle distance.</p> | <ul style="list-style-type: none"> • Turn the mode select switch to either the normal or power mode. • If the windshield wipers are on, turn them off or set them to either the intermittent or the slow mode. |
|  (If equipped, flashing) | <p>Your vehicle is nearing the vehicle ahead (in radar cruise mode).</p> | <p>Slow the vehicle by applying the brakes.</p> |

■ **After changing the engine oil (U.S.A. only)**

Make sure to reset the oil maintenance data. (→P. 412)


■ **Approach warning message**

In the following instances, there is the possibility that the approach warning will not activate even when the vehicle-to-vehicle distance decreases.

- When your vehicle and the vehicle ahead are traveling at the same speed or the vehicle ahead is traveling more quickly than your vehicle.
- When the vehicle ahead is traveling at very low speed.
- Immediately after cruise control speed is set.
- At the instant the accelerator pedal is depressed.

Other messages

If the following message is displayed, take appropriate action and confirm that the message has disappeared.

| Message | Details |
|--|--|
|  <p>(If equipped)</p> | <p>Calibrate the neutral position of the steering wheel.</p> |

■ Initializing the steering sensor





Use one of the following methods.



- With the vehicle stopped, turn the steering wheel all the way to the left and right. (The order is not important.)
- Drive for more than 5 minute on an un-crowded road with as few curves and corners as possible.

If the steering guide symbol disappears, the steering sensor has been initialized. If the steering guide symbol does not disappear, have the vehicle checked by your Lexus dealer.



Have the malfunction repaired immediately.

After taking the specified steps to correct the suspected problem, check that the warning message and light turn off.

| Interior buzzer | Exterior buzzer | Warning message | Details | Correction procedure |
|-----------------|-----------------|---|---|---|
| Once | — |  (Comes on for 10 seconds.)  (Flashing) | The electronic key is not detected when attempting to start the engine. | Confirm the location of the electronic key. |
| Once | 3 times |   (Flashing) | An open door other than the driver's door is closed while the electronic key is outside the detection range and the "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode. | Confirm the location of the electronic key. |

| Interior buzzer | Exterior buzzer | Warning message | Details | Correction procedure |
|-----------------|-----------------|---|---|--|
| Once | 3 times | <p>KEY IS NOT DETECTED</p>  (Flashing) | An open door other than the driver's door is closed while the electronic key is outside the detection range and the "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode with the shift lever in "P". | Turn the "ENGINE START STOP" switch to OFF or confirm the location of the electronic key. |
| Continuous | Continuous | <p>SHIFT TO P RANGE</p> <p>KEY IS NOT DETECTED</p> (Displayed alternately)  (Flashing) | An open door other than the driver's door is closed while the electronic key is outside the detection range and the "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode with the shift lever not in "P". | <ul style="list-style-type: none"> • Shift the shift lever to "P". • Confirm the location of the electronic key. |

5-2. Steps to take in an emergency

| Interior buzzer | Exterior buzzer | Warning message | Details | Correction procedure |
|-----------------|-----------------|---|---|---|
| Once | — | <p>LOW KEY BATTERY</p>  (Flashing) | The electronic key battery is low. | Replace the battery. (→P. 440) |
| — | — | <p>WHEN STARTING THE ENGINE, DEPRESS THE BRAKE PEDAL</p> | An open door has been closed and the “ENGINE START STOP” switch has been turned twice to the ACCESSORY mode from OFF. | Press the “ENGINE START STOP” switch while applying the brakes. |
| — | — | <p>S/T IS NOT UNLOCKED</p>  (Flashing) | The steering lock has not released within 3 seconds of pressing the “ENGINE START STOP” switch. The “ENGINE START STOP” switch indicator will flash green for 15 seconds. | Press the “ENGINE START STOP” switch again while turning the steering wheel with the brake pedal depressed. |

| Interior buzzer | Exterior buzzer | Warning message | Details | Correction procedure |
|-----------------|-----------------|---|---|----------------------|
| Once | — | DEPRESS THE BRAKE PEDAL, AND TOUCH THE ENGINE SWITCH WITH THE KEY | The electronic key does not operate properly. | →P. 526 |
| — | — | TO START, DEPRESS THE BRAKE PEDAL, AND PUSH THE ENGINE SWITCH | | |

5-2. Steps to take in an emergency

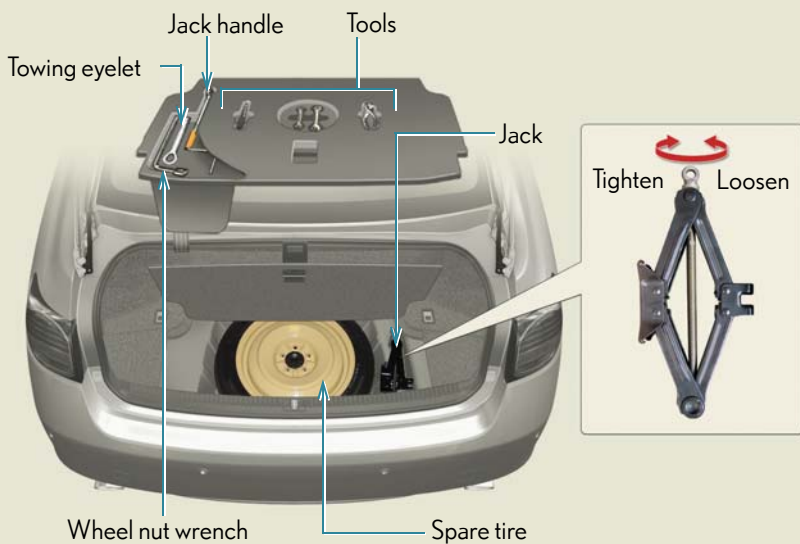
If you have a flat tire (Vehicles with standard tires)

Remove the flat tire and replace it with the spare 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 engine.
- Turn on the emergency flashers.

■ Location of the spare tire, jack and tools



JLY52A012

■ Compact spare tire

The compact tire saves space in your luggage compartment, and its lighter weight helps to enhance fuel economy and permits easier installation in case of a flat tire.



The compact spare tire is designed for temporary emergency use only.

■ The compact spare tire

- The compact spare tire is identified by the label "TEMPORARY USE ONLY" on the tire sidewall.
Use the compact spare tire temporarily only in an emergency.
- Make sure to check the tire inflation pressure of the compact spare tire. (→P. 550)

■ Tread life

The compact spare tire can be used many times, if necessary. It has tread life of up to 3000 miles (4800 km) depending on road conditions and your driving habits. When treadwear indicators appear on the tire, replace the tire. (→P. 421)

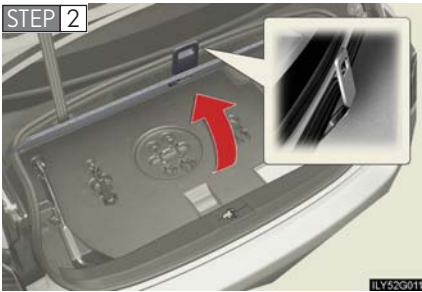
■ When using the compact spare tire

As the spare tire is not equipped with the tire pressure warning valve and transmitter, low inflation pressure of the spare tire will not be warned. Also, if you replace the compact spare tire after the tire pressure warning light comes on, the light remains on.

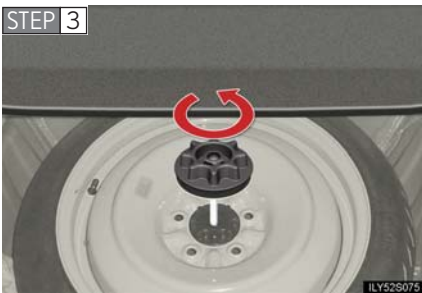
Taking out the spare tire



Lift up the hook of the panel on the trunk floor.



Secure the panel using the hook provided. Then take out the tool tray.



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 |

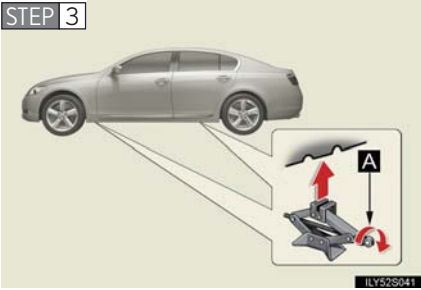
STEP 2



Slightly loosen the wheel nuts (one turn).

5-2. Steps to take in an emergency

STEP 3



Turn the tire jack portion "A" by hand until the notch of the jack is in contact with the jack point.

STEP 4



Raise the vehicle until the tire is slightly raised off the ground.

STEP 5

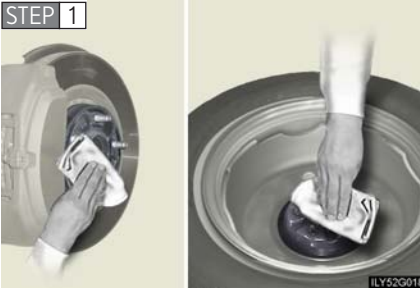


Remove all the wheel nuts and the tire.

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

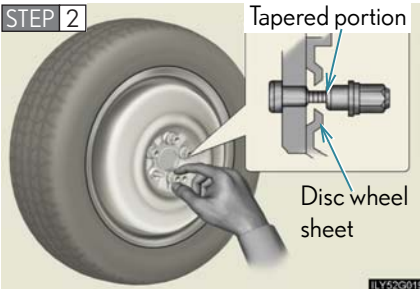
STEP 1



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



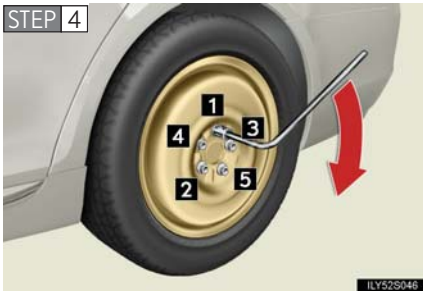
Install the spare tire and loosely tighten each wheel nut by hand to approximately the same amount.

Tighten the wheel nuts until the tapered portion comes into loose contact with the disc wheel sheet.

STEP 3



Lower the vehicle.



Firmly tighten each nut two or three times in the order shown in the illustration.

Tightening torque:
76 ft•lbf (103 N•m, 10.5 kgf•m)

STEP 5 Stow the flat tire, tire jack and all tools.

■ If you have a flat rear tire on a road covered with snow or ice

Install the compact spare tire on the front of the vehicle. Perform the following steps and fit tire chains to the rear tires.

STEP 1 Replace a front tire with the compact spare tire.

STEP 2 Replace the flat rear tire with the tire removed from the front of the vehicle.

STEP 3 Fit tire chains to the rear tires.

■ After completing the tire change

The tire pressure warning system must be reset. (→P. 422)

⚠ 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 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.
- Do not put any part of your body under the vehicle supported by a jack.
- Do not start or run the engine while your vehicle is supported by the jack.

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 76 ft•lbf (103 N•m, 10.5 kgf•m) as soon as possible after changing wheels.
Failure to follow these precautions could cause the nuts to loosen and the wheels may fall off, which could lead to an accident causing death or serious injury.

 **CAUTION**

■ **When using the compact spare tire**

- Remember that your spare tire is specifically designed for use with your vehicle. Do not use your spare tire on another vehicle.
- Do not use two spare tires simultaneously.
- Replace the spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, deceleration and braking, as well as sharp cornering.

■ **Speed limit when using the compact spare tire**

Do not drive at speeds in excess of 50 mph (80 km/h) when a compact spare tire is installed on the vehicle.

The compact spare tire is not designed for driving at high speeds. Failing to observe this precaution may 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.

■ Be careful when driving over bumps with the compact spare tire installed on the vehicle

The vehicle becomes lower when driving with the compact spare tire compared to when driving with standard tires. Be careful when driving over uneven road surfaces.

■ Driving with tire chains and the compact spare tire

Do not fit tire chains to the compact spare tire.

Tire chains may damage the vehicle body and adversely affect driving performance.

■ When replacing the tires

When removing or fitting the wheels, tires or the tire pressure warning valve and transmitter, contact your Lexus dealer as the tire pressure warning valve and transmitter may be damaged if not handled correctly.

■ To avoid damaging the tire pressure warning valves and transmitters

Do not use liquid sealants on flat tires.

5-2. Steps to take in an emergency

If you have a flat tire (Vehicles with run-flat tires)

Take your vehicle to the nearest Lexus dealer or authorized tire dealer as soon as possible.

■ Run-flat tires (A “RFT” or “DSST” mark is molded on the sidewall)



You can continue driving a vehicle with run-flat tires even if any tire goes flat.

It is able to run for a maximum of 100 miles (160 km) at a speed below 55 mph (90 km/h) after the tire pressure warning light comes on. (→P. 490)

■ In some condition (such as at high temperatures)

You can not continue driving for up to 100 miles (160 km).

■ If you cannot distinguish between the standard tires and run-flat tires

Consult your Lexus dealer.

■ For the detailed information on run-flat tires

See the tire warranty book.

NOTICE

■ When replacing the tires

Have the tires replaced by the nearest Lexus dealer or authorized tire dealer. The tire pressure warning valves and transmitters will be affected by the installation or removal of tires.

■ To avoid damaging the tire pressure warning valves and transmitters

Do not use liquid sealants on flat tires.

5-2. Steps to take in an emergency If the engine will not start

If the engine will not start even though correct starting procedures are being followed (→P. 121), consider each of the following points.

■ The engine will not start even if you are carrying the correct electronic key

One of the following may be the cause of the problem.

- There may not be sufficient fuel in the vehicle's tank.

Add fuel to the vehicle.

- The engine may be flooded.

Try to restart the engine once more following correct starting procedures. (→P. 121)

- There may be a malfunction in the immobilizer system. (→P. 73)

■ The starter motor turns over slowly, 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. 529)

- The 12 volt battery terminal connections may be loose or corroded.

■ The starter motor does not turn over, 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. 529)

Contact your Lexus dealer if the problem cannot be repaired, or if repair procedures are unknown.

5-2. Steps to take in an emergency

If the shift lever cannot be shifted from “P”

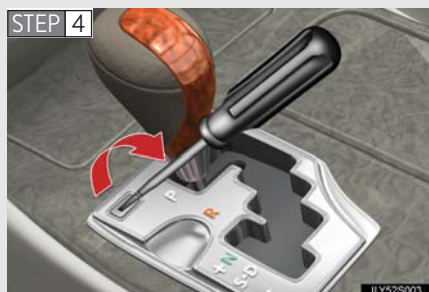
If the shift lever cannot be shifted with your foot on the brake, there may be a problem with the shift lock system (a system to prevent accidental operation of the shift lever). Have the vehicle inspected by your Lexus dealer immediately.

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 “ENGINE START STOP” switch to the ACCESSORY mode.

STEP 3 Depress the brake pedal.



Pry the cover up with a flathead screwdriver or equivalent.



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 you lose your keys

New genuine Lexus keys can be made by your Lexus dealer using one of the other keys and 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. 26) 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 engine can be started by following the procedure below.

Locking and unlocking the doors, unlocking the trunk and key linked functions

► Doors



Using the mechanical key in order to perform the following operations:

- 1 Locks all doors
- 2 Closes the windows/moon roof (turn and hold)
- 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/moon roof (turn and hold)

► Trunk



Turn the mechanical key clockwise to open.

Changing “ENGINE START STOP” switch modes and starting the engine

STEP 1 Put the shift lever in “P” and apply the brakes.



Touch the Lexus emblem side of the electronic key to the “ENGINE START STOP” switch.

An alarm will sound to indicate that the start function cannot detect the electronic key that is touched to the “ENGINE START STOP” switch if any of the doors is opened and closed while the key is touched to the switch.

STEP 3 To change the “ENGINE START STOP” switch modes: Within 10 seconds of the buzzer sounding, release the brake pedal and press the “ENGINE START STOP” switch. Modes can be changed each time the switch is pressed. (→P. 122)

To start the engine: Press the “ENGINE START STOP” switch within 10 seconds after the buzzer sounds, keeping the brake pedal depressed.

If the “ENGINE START STOP” switch still cannot be operated, contact your Lexus dealer.

■ Stopping the engine

Shift the shift lever to “P” and press the “ENGINE START STOP” switch as you normally do when stopping the engine.

■ Replacing the key battery

As the above procedure is the temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery depletes. (→P. 440)

5-2. Steps to take in an emergency If the 12 volt battery is discharged

The following procedures may be used to start the engine if the 12 volt battery is discharged.

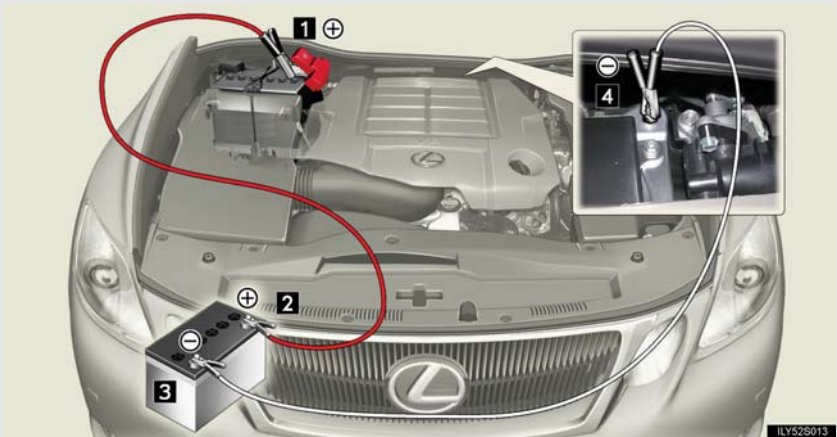
You can call your Lexus dealer or qualified repair shop.

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.

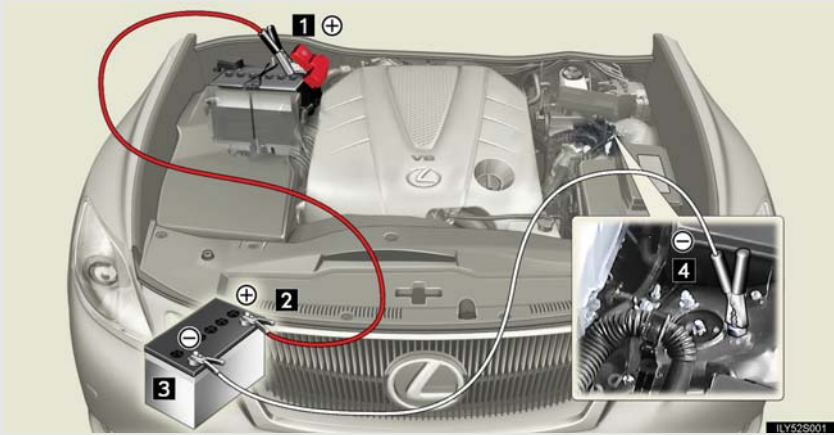
STEP 1 Open the door using the mechanical key, then open the hood.
GS350: Remove the engine compartment covers.

STEP 2 Connecting the jumper cables.

► GS460



► GS350



- 1 Positive (+) battery terminal on your vehicle.
 - 2 Positive (+) battery terminal on the second vehicle.
 - 3 Negative (-) battery terminal on the second vehicle.
 - 4 Connect the jumper cable to ground on your vehicle as shown.
- STEP 3** Start the engine of the second vehicle. Increase the engine speed slightly and maintain at 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 “ENGINE START STOP” switch is OFF.

STEP 5 Maintain the engine speed on the second vehicle and turn the “ENGINE START STOP” switch to the IGNITION ON mode, then start the vehicle’s engine.

STEP 6 Once the vehicle’s engine has started, remove the jumper cables in the exact reverse order in which they were connected.

Once the engine starts, have the vehicle checked at your Lexus dealer as soon as possible.

■ Starting the engine when the 12 volt battery is discharged

The engine cannot be started by push-starting.

■ To prevent 12 volt battery discharge

- Turn off the headlights and the audio system while the engine is turned 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, etc.

■ When the 12 volt battery is removed or discharged

The following systems must be initialized.

- Tire pressure warning system (→P. 422)
- Intuitive parking assist (→P. 507)

CAUTION

■ Avoiding battery fires or explosions

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the battery.

- Make sure the jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any part other than the intended terminal.
- Do not allow the jumper cables to come into contact with the “+” and “-” terminals.
- Do not allow open flame or use matches, cigarette lighters or smoke near the battery.

 **CAUTION**

■ **Battery precautions**

The battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery:

- When working with the 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 battery.
- If the 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 battery.

 **NOTICE**

■ **When handling jumper cables**

Be careful that the jumper cables do not become tangled in the cooling fan or any of the belts when connecting or disconnecting them.

5-2. Steps to take in an emergency If your vehicle overheats

If your engine overheats:

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 under the hood.

If you see steam:

Stop the engine and carefully lift the hood.

If you do not see steam:

Leave the engine running and carefully lift the hood.

STEP 3 Remove the engine compartment cover. (→P. 408)

STEP 4 Check to see if the cooling fan is operating.

If the fan is operating:

Wait until the engine coolant temperature gauge begins to fall and then stop the engine.

If the fan is not operating:

Stop the engine immediately and call your local Lexus dealer.

STEP 5



After the engine has cooled down sufficiently, check the coolant level and inspect the radiator core (radiator) for any leaks.

STEP 6



Add coolant if necessary.

Water can be used in an emergency measure if coolant is unavailable. (→P. 546)

Have the vehicle checked at your nearest Lexus dealer as soon as possible.

■ Overheating

In the following situations, your vehicle may be overheating.

- The engine coolant temperature gauge enters the red zone or a loss of power is experienced.
- Steam is coming from under the hood.

⚠ CAUTION

■ To prevent an accident or injury when inspecting under the hood of your vehicle

- Keep hands and clothing away from the fan and engine drive belt while the engine is running.
- Do not loosen the radiator cap while the engine and radiator are hot. Serious injury, such as burns, may result from hot coolant and steam released under pressure.

 NOTICE**■ When adding coolant**

Wait until the engine has cooled down before adding coolant.

When adding coolant, do so slowly. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

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 engine. Set the parking brake and shift 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 engine.

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. 186)

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 automatic transmission and other components**

- Avoid spinning the wheels and racing the engine.
- If the vehicle remains stuck after trying these procedures, the vehicle may require towing to be freed.

| | |
|---|------------|
| 6-1. Specifications..... | 540 |
| Maintenance data (fuel, oil level, etc.) | 540 |
| Fuel information | 553 |
| Tire information..... | 556 |
| | |
| 6-2. Customization..... | 569 |
| Customizable features | 569 |
| | |
| 6-3. Initialization | 575 |
| Items to initialize | 575 |

6-1. Specifications

Maintenance data (fuel, oil level, etc.)

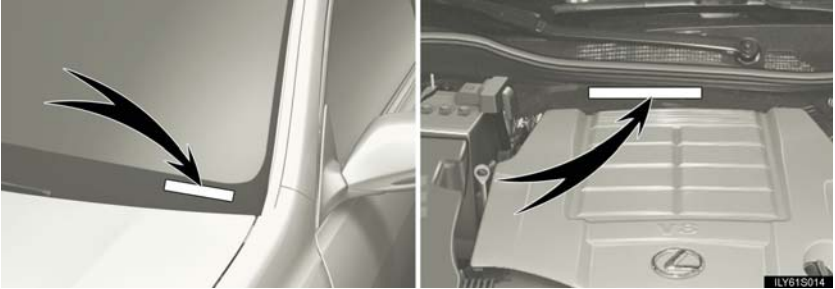
Dimensions and weight

| | | |
|--|--------------------|---------------------|
| Overall length | | 190.7 in. (4845 mm) |
| Overall width | | 71.6 in. (1820 mm) |
| Overall height * | 2WD | 56.1 in. (1425 mm) |
| | 4WD | 56.4 in. (1435 mm) |
| Wheelbase | | 112.2 in. (2850 mm) |
| Tread | Front | 60.4 in. (1535 mm) |
| | Rear | |
| | 2WD | 60.6 in. (1540 mm) |
| 4WD | 60.4 in. (1535 mm) | |
| Vehicle capacity weight (Occupants + luggage) | | 815 lb. (370 kg) |

*: Unladen vehicle

Vehicle identification

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.



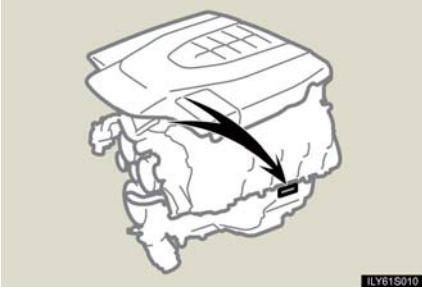
This number is stamped on the top left of the instrument panel and in the engine compartment.



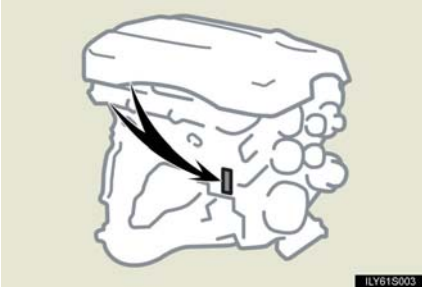
This number is also on the Certification Label.

■ Engine number

▶ GS460



▶ GS350



The engine number is stamped on the location as shown.

Engine

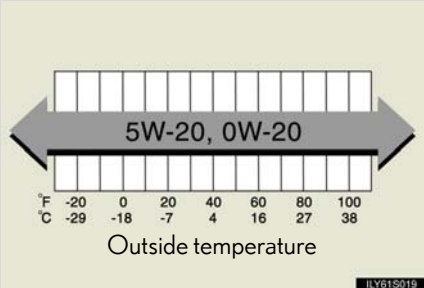
| | GS460 | GS350 |
|--------------------|---|---|
| Model | 1UR-FSE | 2GR-FSE |
| Type | 8-cylinder V type, 4-cycle, gasoline | 6-cylinder V type, 4-cycle, gasoline |
| Bore and stroke | 3.70 × 3.27 in. (94.0 × 83.0 mm) | |
| Displacement | 281.2 cu.in. (4608 cm ³) | 210.9 cu.in. (3456 cm ³) |
| Drive belt tension | Automatic adjustment | |

Fuel

| | |
|--------------------|--|
| Fuel type | Premium unleaded gasoline only |
| Octane Rating | 91 (Research Octane Number 96) or higher |
| Fuel tank capacity | 18.7 gal. (71 L, 15.6 Imp.gal.) |

Lubrication system

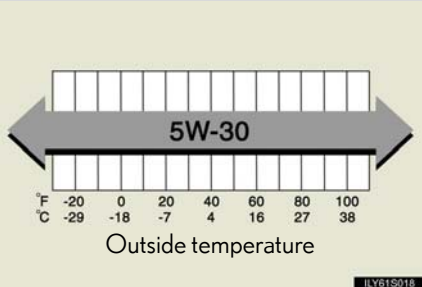
▶ GS460

| | |
|------------------------------------|--|
| Oil capacity (drain and refill) | With filter: 9.1 qt. (8.6 L, 7.6 Imp.qt.) Without filter: 8.9 qt. (8.4 L, 7.4 Imp.qt.) |
| Oil grade | ILSAC multi-grade engine oil |
| Recommended oil viscosity | Use Lexus approved "Toyota Genuine Motor Oil" or equivalent to satisfy the grade and viscosity shown below.  |

Oil viscosity:

- The 0W portion of the oil viscosity rating indicates the 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 0W-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.

► GS350

| | 2WD | 4WD |
|------------------------------------|--|------------------------------|
| Oil capacity (drain and refill) | | |
| with filter | 6.6 qt. (6.3 L, 5.5 Imp.qt.) | 6.7 qt. (6.4 L, 5.6 Imp.qt.) |
| without filter | 6.2 qt. (5.9 L, 5.2 Imp.qt.) | 6.3 qt. (6.0 L, 5.3 Imp.qt.) |
| Oil grade | ILSAC multigrade engine oil | |
| Recommended oil viscosity | <p>Use Lexus approved "Toyota Genuine Motor Oil" or equivalent to satisfy the grade and viscosity shown below.</p>  <p style="text-align: right; font-size: small;">ILYB1S016</p> | |

Oil viscosity:

- The 5W portion of the oil viscosity rating indicates the 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 30 in 5W-30 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 | GS460 | 11.7 qt. (11.0 L, 9.7 Imp.qt.) |
| | GS350 | 9.6 qt. (9.1 L, 8.0 Imp.qt.) |
| Coolant type | | <p>Use either of the following:</p> <ul style="list-style-type: none"> • “Toyota Super Long Life Coolant” • Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology <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 gap when tuning engine.

Electrical system

| | |
|------------------------------|---|
| 12 volt battery | |
| Open voltage at 68°F (20°C): | 12.6 — 12.8V Fully charged 12.2 — 12.4V Half charged 11.8 — 12.0V Discharged (Voltage is checked 20 minutes after the engine and all lights are turned off.) |
| Charging rates | 5A max. |

Differential

| | GS460/ GS350 (2WD) | GS350 (4WD) | |
|------------------------|---|---|---|
| | | Front | Rear |
| Oil capacity | 1.42 qt. (1.35 L, 1.19 Imp.qt.) | 0.73 qt. (0.70 L, 0.61 Imp.qt.) | 1.42 qt. (1.35 L, 1.19 Imp.qt.) |
| Oil type and viscosity | Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent | Hypoid gear oil API GL-5 Above 0°F (-18°C): SAE 90 Below 0°F (-18°C): SAE 80W or SAE 80W-90 | Toyota Genuine Differential Gear Oil LT 75W-85 GL-5 or equivalent |

Rear differential: “Toyota Genuine Differential Gear Oil” is filled in your Lexus vehicle at factory fill. Use Lexus approved “Toyota Genuine Differential Gear Oil” or an equivalent of matching quality to satisfy the above specification. Please contact your Lexus dealer for further details.

Automatic transmission

| | | |
|------------------|-------------|--------------------------------|
| Fluid capacity * | GS460 | 11.1 qt. (10.5 L, 9.2 Imp.qt.) |
| | GS350 (2WD) | 8.4 qt. (7.9 L, 7.0 Imp.qt.) |
| | GS350 (4WD) | 10.6 qt. (10.0 L, 8.8 Imp.qt.) |
| Fluid type | | Toyota Genuine ATF WS |

*: The fluid capacity is the quantity of reference. If replacement is necessary, contact your Lexus dealer.

 NOTICE

Automatic transmission fluid type

Using automatic transmission fluid other than “Toyota Genuine ATF WS” may cause deterioration in shift quality, locking up of your automatic transmission accompanied by vibration, and ultimately damage the automatic transmission of your vehicle.

Brakes

| | | |
|--|---------------------|----------------------------------|
| Pedal clearance | GS460 ^{*1} | 2.9 in. (74 mm) Min. |
| | GS350 ^{*2} | 2.6 in. (65 mm) Min. |
| Pedal free play | GS460 | Less than 0.08 in. (2.0 mm) |
| | GS350 | 0.04—0.08 in. (1.0—2.0 mm) |
| Brake pad wear limit | | 0.04 in. (1.0 mm) |
| Parking brake pedal travel ^{*3} | | 7—9 clicks |
| Parking brake lining wear limit | | 0.04 in. (1.0 mm) |
| Fluid type | | SAE J1703 or FMVSS No. 116 DOT 3 |

^{*1}: Minimum pedal clearance when depressed with a force of 200 N (20.4 kgf, 45 lbf) while the engine is running.

^{*2}: Minimum pedal clearance when depressed with a force of 500 N (51.0 kgf, 112 lbf) while the engine is running.

^{*3}: Parking brake pedal travel when depressed with a force of 300 N (30.6 kgf, 67.4 lbf).

Steering

| | |
|-----------|---------------------------|
| Free play | Less than 1.2 in. (30 mm) |
|-----------|---------------------------|

Tires and wheels

► Type A

| | |
|--|---|
| Tire size | 245/40R18 93Y, P245/40R18 93V, 245/40ZR18, T155/70D17 110M (spare) |
| Front and rear tire inflation pressure (Recommended cold tire inflation pressure) | Driving under normal conditions 33 psi (230 kPa, 2.3 kgf/cm ² or bar) Driving at high speeds above 100 mph (160 km/h) (in countries where such speeds are permitted by law) Add 9 psi (60 kPa, 0.6 kgf/cm ² or bar) to the front tires and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall. |
| Spare tire inflation pressure (Recommended cold tire inflation pressure) | 60 psi (420 kPa, 4.2 kgf/cm ² or bar) |
| Wheel size | 18 × 8 J, 17 × 4T (spare) |
| Wheel nut torque | 76 ft•lbf (103 N•m, 10.5 kgf•m) |

► Type B

| | |
|--|---|
| Tire size | 225/50R17 94W, P225/50R17 93V, T155/70D17 110M (spare) |
| Front and rear tire inflation pressure (Recommended cold tire inflation pressure) | Driving under normal conditions 33 psi (230 kPa, 2.3 kgf/cm ² or bar) Driving at high speeds above 100 mph (160 km/h) (in countries where such speeds are permitted by law) Add 7 psi (50 kPa, 0.5 kgf/cm ² or bar) to the front tires and rear tires. Never exceed the maximum cold tire inflation pressure indicated on the tire sidewall. |
| Spare tire inflation pressure (Recommended cold tire inflation pressure) | 60 psi (420 kPa, 4.2 kgf/cm ² or bar) |
| Wheel size | 17 × 7 1/2 J, 17 × 4T (spare) |
| Wheel nut torque | 76 ft•lbf (103 N•m, 10.5 kgf•m) |

| |
|--------------------|
| Light bulbs |
|--------------------|

| | Light bulbs | Bulb No. | W | Type |
|----------|--------------------------|----------|----|------|
| Exterior | Headlights (low beam) | D4S | 35 | A |
| | Headlights (high beam) | HB3 | 60 | B |
| | Front turn signal lights | — | 21 | C |
| | Parking lights | — | 5 | D |
| | Fog lights | HB4 | 51 | E |
| | Front side marker light | 194 | 5 | D |
| | Rear turn signal lights | — | 21 | C |
| | Back-up lights | 921 | 16 | D |
| | Trunk light | — | 5 | F |
| Interior | Vanity lights | — | 8 | D |

A: D4S high-intensity discharge bulbs

B: HB3 halogen bulbs

C: Wedge base bulbs (amber)

D: Wedge base bulbs (clear)

E: HB4 halogen bulbs

F: Double end bulbs

Fuel information

Your vehicle must use only unleaded gasoline.

Premium unleaded gasoline with an Octane Rating 91 (Research Octane Number 96) or higher 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).

However, use of unleaded fuel with an Octane Rating lower than 91 may result in engine knocking or drastically reduce output to protect itself while driving with a heavy load. Persistent knocking can lead to engine damage and should be corrected by refueling with higher octane unleaded gasoline.

■ 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 (Methylcy clopen-tadienyl 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.
- Using unleaded gasoline with an octane number or rating lower than that stated here will cause persistent heavy knocking.
At worst, this will lead to engine damage.

■ 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



ILY619203



ILY619201

- 1 Tire size (→P. 559)
- 2 DOT and Tire Identification Number (TIN) (→P. 558)
- 3 Location of treadwear indicators (→P. 421)
- 4 Run-flat tire (RFT) or standard tire (→P. 522)

This vehicle can be equipped with either run-flat tires (RFT) or standard tires. A “RFT” or “DSST” mark is molded on the sidewall of the run-flat tire.

5 Tire ply composition and materials

Plies are layers of rubber-coated parallel cords. Cords are the strands which form the plies in a tire.

6 Radial tires or bias-ply tires

A radial tire has RADIAL on the sidewall. A tire not marked RADIAL is a bias-ply tire.

7 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.

8 Load limit at maximum cold tire inflation pressure (→P. 562)**9** Maximum cold tire inflation pressure (→P. 562)

This means the pressure to which a tire may be inflated.

10 Uniform tire quality grading

For details, see “Uniform Tire Quality Grading” that follows.

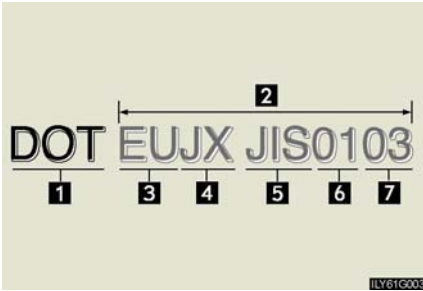
11 Summer tire or all season tire (→P. 426)

An all season tire has “M+S” on the sidewall. A tire not marked “M+S” is a summer tire.

12 “TEMPORARY USE ONLY”

A compact spare tire is identified by the phrase “TEMPORARY USE ONLY” molded into its sidewall. This tire is designed for temporary emergency use only.

Typical DOT and tire identification number (TIN)

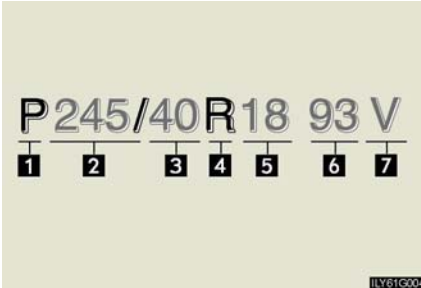


- 1 DOT symbol*
- 2 Tire Identification Number (TIN)
- 3 Tire manufacturer's identification mark
- 4 Tire size code
- 5 Manufacturer's optional tire type code (3 or 4 letters)
- 6 Manufacturing week
- 7 Manufacturing year

*: 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.

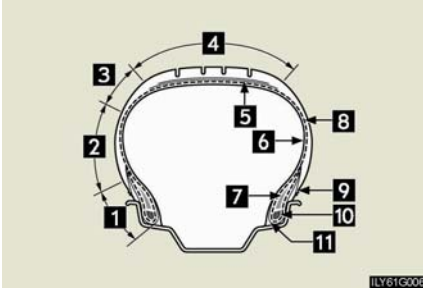
- 1** Tire use
(P = Passenger car,
T = Temporary use)
- 2** Section width (millimeters)
- 3** Aspect ratio
(tire height to section width)
- 4** Tire construction code
(R = Radial, D = Diagonal)
- 5** Wheel diameter (inches)
- 6** Load index (2 or 3 digits)
- 7** Speed symbol
(alphabet with one letter)

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 - 1/2) 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.

The 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 for this tire are established for a tire that 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 |

| Tire related term | Meaning |
|-------------------------------|--|
| 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 |
| 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 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 |

| Tire related term | Meaning |
|--|---|
| 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 it by two |
| Weather side | The surface area of the rim not covered by the inflated tire |
| 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 |

| Tire related term | Meaning |
|----------------------------|---|
| 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 |
| Intended outboard sidewall | <p>(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</p> <p>(b) The outward facing sidewall of asymmetrical tire that has a particular side that must always face outward when mounted on a vehicle</p> |

| Tire related term | Meaning |
|--|--|
| 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 |
| Ply separation | A parting of rubber compound between adjacent plies |

| Tire related term | Meaning |
|---------------------|---|
| 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 Single 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 |

| Tire related term | Meaning |
|----------------------------|---|
| 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 |
| 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 |


6-2. Customization

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. 22) | Smart access system with push-button start | ON | OFF |
| | Operation signal (Emergency flashers) | ON | OFF |
| | Operation signal (Buzzer) | ON | OFF |

| Item | Function | Default setting | Customized setting |
|---|--|--|------------------------------|
| Wireless remote control (→P. 34) | Unlocking operation | Driver's door unlocked in 1-step, all doors unlocked in 2-step | All doors unlocked in 1-step |
| | Time elapsed before automatic door lock function is activated if door is not opened after being unlocked | 60 seconds | OFF |
| | | | 30 seconds |
| | | | 120 seconds |
| | Operation signal (Emergency flashers) | ON | OFF |
| | Operation signal (Buzzer) | ON | OFF |
| | Trunk unlocking function | ON | OFF |
| | Trunk unlocking operation | Push and hold | Push twice |
| | | | One short push |
| Panic function | ON | OFF | |
| Buzzer sounds when pushing  with any door not closed | ON | OFF | |

| Item | Function | Default setting | Customized setting |
|---------------------------|--|--|------------------------------|
| Door lock (→P. 37) | Unlocking using a key | Driver's door unlocked in 1-step, all doors unlocked in 2-step | All doors unlocked in 1-step |
| | Speed-detecting automatic door lock function | OFF | ON |
| | Opening driver's door unlocks all doors | OFF | ON |
| | Shift the shift lever to "P" unlocks all doors | ON | OFF |
| | Shift the shift lever to position other than "P" locks all doors | ON | OFF |
| Power windows (→P. 64) | Linked door lock operation | ON | OFF |
| | Linked door key operation | Open and close | Open only |
| | | | Close only |
| | Wireless remote control linked operation | ON | OFF |
| Linked entry function | ON | OFF | |

| Item | Function | Default setting | Customized setting |
|---|--|-----------------|--------------------|
| Moon roof (→P. 67) | Linked door lock operation | ON | OFF |
| | Linked door key 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 used | Slide only | Tilt only |
| Linked entry function | ON | OFF | |
| Automatic light control system (→P. 142) | Light sensor sensitivity | Level 3 | Levels 1 to 5 |
| | Time elapsed before headlights automatically turn off after doors are closed | 30 seconds | 0 seconds |
| | | | 60 seconds |
| | | | 90 seconds |
| Daytime running light | ON | OFF* | |

*: Vehicles sold outside Canada

| Item | Function | Default setting | Customized setting |
|--|---|---|--------------------|
| Windshield wipers and washer (→P. 146) | Switching operation when the vehicle is stationary | ON | OFF |
| | Drip prevention function | ON | OFF |
| | Time elapsed before the drip prevention function operates | Variable depending on the vehicle speed | 3 seconds |
| Illumination (→P. 337) | Time elapsed before lights turn off | 15 seconds | 7.5 seconds |
| | | | 30 seconds |
| | Operation when the doors are unlocked | ON | OFF |
| | Operation after the “ENGINE START STOP” switch turned OFF | ON | OFF |
| | Front/rear personal lights turned on when a door is opened | Corresponding light only | All lights |
| | | | OFF |
| | Foot lights | ON | OFF |
| | Shift lever light | ON | OFF |
| Outer foot light | ON | OFF | |
| Rear sunshade (→P. 357) | Time elapsed before the reverse operation feature activates | 0.7 seconds | 0 seconds |
| | | | 0.9 seconds |
| | | | 1.2 seconds |

Multi-information display (→P. 139)

| Country | Available language |
|---------|--------------------|
| Canada | English and French |

6-3. Initialization

Items to initialize

After reconnecting or performing maintenance on the 12 volt battery, the following items must be initialized for normal system operation.

| Item | When to initialize | Reference |
|------------------------------|---|-----------|
| Intuitive parking assist | <ul style="list-style-type: none">• After reconnecting or changing the battery• After changing a fuse | P. 507 |
| Engine oil maintenance data | <ul style="list-style-type: none">• After changing engine oil | P. 412 |
| Tire pressure warning system | <ul style="list-style-type: none">• When rotating the tires on vehicles differing with front and rear tire inflation pressures.• When changing the tire inflation pressure by changing traveling speed or load weight, etc.• When changing the tire size. | P. 423 |

| | |
|--|-----|
| Reporting safety defects for U.S. owners | 578 |
| Seat belt instructions for Canadian owners (in French) | 579 |

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 the 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, 1200 New Jersey Ave, S.E., Washington, DC 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

Seat belt instructions for Canadian owners (in French)

The following is a French explanation of seat belt instructions extracted from the seat belt section in this manual.

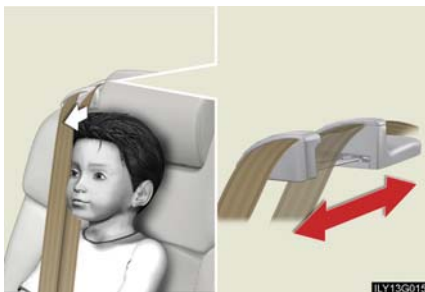
See the seat belt section for more detailed seat belt instructions in English.

Utilisation adéquate des ceintures de sécurité



- 1 Tirez sur la ceinture épaulière jusqu'à ce qu'elle recouvre entièrement l'épaule; elle ne doit cependant pas toucher le cou ni glisser de l'épaule.
- 2 Placez la ceinture abdominale le plus bas possible sur les hanches.
- 3 Réglez la position du dossier du siège. Tenez-vous assis dans le fond du siège, le dos droit.
- 4 Ne vrillez pas la ceinture de sécurité.

Guide des ceintures de sécurité (sièges latéraux arrière)



Si la ceinture épaulière est trop près du cou d'une personne, glissez le guide de la ceinture vers l'avant.

Entretien et soin

■ Ceintures de sécurité

Avec un tissu ou une éponge, nettoyez à l'aide d'un savon doux et de l'eau tiède. Vérifiez aussi les ceintures régulièrement pour vous assurer qu'elles ne présentent pas d'usure excessive, d'effilochage ou de coupures.

ATTENTION

■ Dommages et usure de la ceinture de sécurité

Vérifiez périodiquement le système de ceintures de sécurité. Assurez-vous qu'il n'y a pas de coupures, d'effilochures ni de pièces desserrées. N'utilisez pas une ceinture de sécurité endommagée avant qu'elle soit remplacée. Les ceintures de sécurité endommagées ne peuvent pas protéger les occupants contre les blessures.

Index

| | |
|---------------------------------|------------|
| Abbreviation list | 582 |
| Alphabetical index | 584 |
| What to do if... | 594 |

Abbreviation list

Abbreviation/Acronym list

| ABBREVIATIONS | MEANING |
|---------------|---|
| A/C | Air Conditioning |
| ABS | Anti-Lock Brake System |
| AFS | Adaptive Front-lighting System |
| ALR | Automatic Locking Retractor |
| CRS | Child Restraint System |
| DISP | Display |
| ECU | Electronic Control Unit |
| EDR | Event Data Recorder |
| ELR | Emergency Locking Retractor |
| EPS | Electric Power Steering |
| GAWR | Gross Axle Weight Ratings |
| GPS | Global Positioning System |
| I/M | Emission inspection and maintenance |
| INFO | Information |
| INT | Intermittent |
| 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 |
| SRS | Supplemental Restraint System |
| TIN | Tire Identification Number |
| TPMS | Tire Pressure Monitoring (Warning) System |
| TRAC | Traction Control |
| VDIM | Vehicle Dynamics Integrated Management |
| VGRS | Variable Gear Ratio Steering |
| VIN | Vehicle Identification Number |
| VSC | Vehicle Stability Control |

| | | |
|----------|---|-----|
| A | A/C | 217 |
| | ABS..... | 184 |
| | ACCESSORY mode | 122 |
| | Active stabilizer suspension system..... | 184 |
| | Adaptive variable suspension system | 183 |
| | Air conditioning system Air conditioning filter | 437 |
| | Automatic air conditioning system..... | 217 |
| | Airbags Airbag operating conditions..... | 83 |
| | Airbag precautions for your child..... | 87 |
| | Airbag warning light | 489 |
| | Curtain shield airbag precautions | 90 |
| | General airbag precautions | 87 |
| | Locations of airbags..... | 80 |
| | Modification and disposal of airbags..... | 91 |
| | Proper driving posture | 78 |
| | Side airbag precautions | 87 |
| | Side and curtain shield airbags operating conditions | 83 |
| | SRS airbags | 80 |
| | Alarm | 75 |
| | Antenna | 235 |
| | Anti-lock brake system | 184 |
| | Armrest..... | 356 |
| | Ashtrays..... | 351 |

| | |
|--|-----|
| Audio system Antenna..... | 235 |
| AUX adapter | 287 |
| Cassette player | 238 |
| CD player/changer | 242 |
| DVD information | 270 |
| DVD player/changer | 251 |
| DVD video/audio..... | 254 |
| MP3/WMA disc..... | 247 |
| Optimal use | 282 |
| Radio | 229 |
| Steering switches | 288 |
| Video CD | 266 |
| Automatic headlight leveling system | 144 |
| Automatic light control system..... | 142 |
| Automatic transmission If the shift lever cannot be shifted from "P" | 524 |
| Mode select switch | 126 |
| S mode..... | 127 |
| AUX adapter | 287 |
| B | |
| Back-up lights Wattage..... | 552 |
| Battery 12 volt battery | 417 |
| Checking..... | 417 |
| If the 12 volt battery is discharged | 529 |
| Preparing and checking before winter..... | 199 |
| Bluetooth® | 296 |

| | |
|--------------------------|------------|
| Brake | |
| Fluid..... | 416 |
| Parking brake..... | 131 |
| Brake assist..... | 184 |

C

| | |
|---|------------|
| Care | |
| Exterior..... | 388 |
| Interior..... | 391 |
| Seat belts..... | 392 |
| Cargo capacity..... | 194 |
| Cargo hooks..... | 360 |
| CD player/changer..... | 242 |
| Chains..... | 200 |
| Child-protectors..... | 38 |
| Child restraint system | |
| Definition..... | 98 |
| Installation..... | 102 |
| Installing CRS with lower anchors..... | 106 |
| Installing CRS with seatbelts..... | 103 |
| Installing CRS with top straps..... | 107 |
| Child safety | |
| Airbag precautions..... | 87 |
| Battery precautions..... | 419, 532 |
| Child restraint system..... | 98 |
| Child-protectors..... | 38 |
| How your child should wear the seatbelt..... | 56 |
| Installing child restraints..... | 102 |
| Moon roof precautions..... | 69 |
| Power window lock switch..... | 64 |
| Power window precautions..... | 64 |
| Removed electronic key battery precautions..... | 441 |
| Seat belt comfort guide..... | 54 |
| Seat belt precautions..... | 57 |

| | |
|------------------------------------|------------|
| Seat heater precautions..... | 355 |
| Trunk precautions..... | 44 |
| Cigarette lighter..... | 352 |
| Cleaning | |
| Exterior..... | 388 |
| Interior..... | 391 |
| Seat belts..... | 392 |
| Clock..... | 349 |
| Coin holder..... | 345 |
| Compass..... | 369 |
| Condenser..... | 415 |
| Console box..... | 342 |
| Cooling system | |
| Engine overheating..... | 533 |
| Cruise control | |
| Cruise control..... | 150 |
| Dynamic radar cruise control..... | 153 |
| Cup holders..... | 345 |
| Curtain shield airbags..... | 80 |
| Customizable features..... | 569 |

D

| | |
|--|------------|
| Daytime running light system..... | 143 |
| Defogger | |
| Rear window..... | 225 |
| Side mirror..... | 225 |
| Dimension..... | 540 |
| Dinghy towing..... | 205 |
| Display | |
| Multi-information display..... | 139 |
| Touch screen..... | 208 |
| Trip information..... | 140 |
| Warning message..... | 497 |
| Do-it-yourself maintenance..... | 400 |
| Door courtesy lights..... | 337 |
| Door pocket..... | 346 |

Doors

Door lock..... 22, 34, 37

Rear door child protector.....38

Driver's seat belt reminder light490

Driver's seat position memory 47

Driving

Correct posture 78

Procedures112

DVD player/changer..... 251

E Electric power steering 184

Electronic key

If the electronic key does
not operate properly.....526

Replacing battery440

Emergency, in case of

If a warning light turns on 488

If a warning message is
displayed 497

If the electronic key does
not operate properly.....526

If the engine will not
start.....523

If the shift lever cannot be
shifted from "P" 524

If the 12 volt battery is
discharged529

If you have a flat tire512,522

If you lose your keys.....525

If you think something is
wrong.....484

If your vehicle becomes stuck.....536

If your vehicle needs to be
towed478

If your vehicle overheats.....533

Engine

ACCESSORY mode.....122

Compartment406

Engine (ignition) switch..... 121

Hood 403

How to start the engine 121

If the engine will not start..... 523

Overheating 533

Engine compartment cover408

Engine coolant temperature

gauge132

Engine coolant

Capacity 546

Checking..... 414

Preparing and checking
before winter.....199

Engine oil

Capacity 544

Checking..... 409

Preparing and checking
before winter.....199

Engine oil maintenance data412

Engine (ignition) switch..... 121

Event data recorder 486

F First-aid kit storage belt 360

Floor mats359

Fluid

Brake416

Washer..... 420

Fog lights

Switch.....145

Wattage 552

Foot light 337

| | |
|--|-----|
| Front passenger occupant classification system | 92 |
| Front passenger's seat belt reminder light | 490 |
| Front seats | |
| Adjustment | 45 |
| Driver's seat position memory | 47 |
| Front turn signal lights | |
| Wattage | 552 |
| Fuel | |
| Capacity | 543 |
| Fuel gauge | 132 |
| Gas station information | 596 |
| Information | 553 |
| Refueling | 70 |
| Fuel door | 70 |
| Fuel filler door | 70 |
| Fuses | 442 |

| | |
|-----------------------------------|-----|
| G Garage door opener | 363 |
| Gas station information | 596 |
| Gauges | 132 |
| Glove box | 341 |

| | |
|---|-----|
| H Hands-free system (for cellular phone) | 291 |
| Head restraints | 51 |
| Headlight aim | 467 |
| Headlight cleaner | 149 |

| | |
|--------------------------------------|-----|
| Headlights | |
| Adaptive front lighting system | 143 |
| Discharge headlights | |
| precautions | 475 |
| Replacing light bulbs | 470 |
| Switch | 142 |
| Wattage | 552 |

| | |
|--------------------|-----|
| Heaters | |
| Seat heaters | 354 |
| Side mirror | 225 |

| | |
|---------------------------------|-----|
| Hill-start assist control | 184 |
| Hood | 403 |

| | |
|--------------------|-----|
| Hooks | |
| Cargo | 360 |
| Shopping bag | 360 |

| | |
|-------------------------|-----|
| I Identification | |
| Engine | 542 |
| Vehicle | 541 |

| | |
|---------------------|-----|
| Ignition switch | |
| Engine switch | 121 |

| | |
|--------------------------------|-----|
| Illuminated entry system | 337 |
|--------------------------------|-----|

| | |
|----------------|-----|
| I/M test | 399 |
|----------------|-----|

| | |
|--------------------------|----|
| Immobilizer system | 73 |
|--------------------------|----|

| | |
|------------------------|-----|
| Indicator lights | 136 |
|------------------------|-----|

| | |
|---------------------------|-----|
| Initialization | |
| Items to initialize | 575 |

| | |
|-------------------------------|----|
| Inside rear view mirror | 61 |
|-------------------------------|----|

| | |
|--------------------------------------|-----|
| Instrument panel light control | 133 |
|--------------------------------------|-----|

| | |
|-----------------------|-----|
| Interior lights | |
| Interior lights | 338 |
| Wattage | 552 |

| | |
|--------------------------------|-----|
| Intuitive parking assist | 164 |
|--------------------------------|-----|

| | | |
|----------|---|-----|
| J | Jack | |
| | Positioning a floor jack..... | 404 |
| | Replacing the wheel..... | 512 |
| | Jack handle..... | 512 |
| K | Keyless entry..... | 34 |
| | Keys | |
| | Engine (ignition) switch..... | 121 |
| | If the electronic key does not operate properly..... | 526 |
| | If you lose your keys..... | 525 |
| | Key number plate..... | 20 |
| | Keys..... | 20 |
| | Mechanical key..... | 20 |
| | Wireless remote control key..... | 34 |
| L | Lexus Link System..... | 373 |
| | Light bulbs | |
| | Replacing..... | 470 |
| | Wattage..... | 552 |
| | Light sensitive optitron meter..... | 134 |
| | Lights | |
| | Fog light switch..... | 145 |
| | Headlights switch..... | 142 |
| | Interior lights list..... | 337 |
| | Replacing light bulbs..... | 470 |
| | Turn signal lever..... | 130 |
| | Vanity lights..... | 348 |
| | Wattage..... | 552 |

| | | |
|----------|-------------------------------------|----------|
| M | Maintenance | |
| | Do-it-yourself maintenance..... | 400 |
| | General maintenance..... | 396 |
| | Maintenance data..... | 540 |
| | Maintenance requirements..... | 394 |
| | Meter | |
| | Instrument panel light control..... | 133 |
| | Meters..... | 132 |
| | Micro dust and pollen filter..... | 221 |
| | Mirrors | |
| | Inside rear view mirror..... | 61 |
| | Side mirror heater..... | 225 |
| | Side mirrors..... | 62 |
| | Vanity mirrors..... | 348 |
| | Moon roof..... | 67 |
| | MP3 disc..... | 247 |
| | Multi-information display..... | 139 |
| O | Odometer..... | 132 |
| | Oil | |
| | Engine oil..... | 409 |
| | Opener | |
| | Fuel filler door..... | 70 |
| | Hood..... | 403 |
| | Trunk..... | 42 |
| | Outer foot lights..... | 337 |
| | Outside rear view mirrors | |
| | Adjusting and folding..... | 62 |
| | Mirror position memory..... | 47 |
| | Outside temperature | |
| | display..... | 140, 350 |
| | Overhead console..... | 343 |
| | Overheating, Engine..... | 533 |

P

- Parking brake 131
- Parking lights
 - Replacing light bulbs 470
 - Switch 142
 - Wattage 552
- Personal lights 339
- Power outlet 353
- Power windows 64
- Pre-collision system 190

R

- Radar cruise control 153
- Radiator 415
- Radio 229
- Radio data system 231
- Rear sunshade 357
- Rear turn signal lights
 - Replacing light bulbs 470
 - Wattage 552
- Rear view monitor system 179
- Rear window defogger 225
- Replacing
 - Electronic key battery 440
 - Fuses 442
 - Light bulbs 470
- Reporting safety defects for
 - U.S. owners 578

S

- Seat belts
 - Adjusting the seat belt 53
 - Automatic locking retractor 55
 - Child restraint system
 - installation 102
 - Cleaning and maintaining
 - the seat belts 392
 - Emergency locking retractor 55
 - How to wear your seat belt 53

- How your child should wear
 - the seat belt 56
- Pre-collision seat belts 55
- Pregnant women,
 - proper seat belt use 55
- Reminder light 490
- Seat belt extenders 56
- Seat belt pretensioners 54
- Seat heaters/ventilators 355
- Seating capacity 198

Seats

- Adjustment 45
- Adjustment precautions 46
- Child seats/child restraint
 - system installation 102
- Cleaning 391
- Driver's seat position memory 47
- Head restraint 51
- Properly sitting in the seat 78
- Seat heaters 354

Service reminder indicators 136

Shift lever

- Automatic transmission 125
- If the shift lever cannot be
 - shifted from "P" 524

Shift lock system 524

Shopping bag hooks 360

Side airbags 80

Side marker lights

- Switch 142

Side mirror

- Adjusting and folding 62
- Mirror position memory 47

Smart access system with
 push-button start
 Antenna location.....24
 Entry function.....22
 Starting the engine.....121

Spare tire
 Inflation pressure.....550
 Spare tire.....513

Spark plug.....546

Specifications540

Speedometer.....132

Steering wheel
 Adjustment.....60
 Audio switches288
 Steering wheel position
 memory.....47

Storage compartment344

Storage feature.....340

Stuck
 If your vehicle becomes stuck.....536

Sun visors347

Switch
 “ENGINE START STOP”
 switch121
 Fog light switch.....145
 Ignition switch.....121
 Light switches.....142
 Mode select switch.....126
 Power door lock switch.....37
 Power window switch.....64
 Tire pressure warning
 reset switch422
 Tire pressure
 warning select switch.....424
 Window lock switch64
 Wipers and washer switch.....146

T Tachometer132

Tail lights
 Switch.....142

Theft deterrent system
 Alarm.....75
 Immobilizer system73

Theft prevention labels.....77

Tire inflation pressure550

Tire information
 Glossary562
 Size559
 Tire identification number.....558
 Uniform Tire Quality Grading...560

Tires
 Chains.....200
 Checking.....421
 Compact spare tire.....513
 If you have a flat tire512, 522
 Inflation pressure550
 Information556
 Replacing512
 Rotating tires.....421
 Size550
 Snow tires.....202
 Tire pressure warning system.....421

Tools.....512

Total load capacity198

Touch screen.....208

Towing
 Dinghy towing205
 Emergency towing.....478
 Trailer towing204

Traction control.....184

Trip meter132

| | |
|------------------|-----|
| Trunk | |
| Opener..... | 42 |
| Trunk light..... | 43 |
| Wattage..... | 552 |

| | |
|----------------------------|-----|
| Turn signal lights | |
| Replacing light bulbs..... | 470 |
| Switch..... | 130 |
| Wattage..... | 552 |

V

| | |
|---|------------|
| Vanity lights | |
| Vanity lights..... | 348 |
| Wattage..... | 552 |
| Vanity mirrors..... | 348 |
| Variable gear ratio steering..... | 185 |
| Vehicle dynamics | |
| integrated management..... | 185 |
| Vehicle identification number..... | 541 |
| Vehicle load limits..... | 198 |
| Vehicle stability control..... | 184 |
| Ventilators..... | 354 |

W

| | |
|--------------------------------|-----|
| Warning buzzers | |
| Brake system..... | 488 |
| Downshifting..... | 128 |
| Open door..... | 490 |
| Seat belt reminder..... | 490 |
| Warning lights | |
| Anti-lock brake system..... | 489 |
| Brake system..... | 488 |
| Charging system..... | 488 |
| Electric power steering | |
| warning light..... | 489 |
| Electronically | |
| controlled brake system/ | |
| Vehicle stability control..... | 489 |
| Low fuel level..... | 490 |

| | |
|----------------------------------|-----|
| Malfunction indicator lamp..... | 489 |
| Master warning light..... | 491 |
| Open door..... | 490 |
| Pre-collision system..... | 489 |
| Seat belt reminder light..... | 490 |
| SRS airbags..... | 489 |
| Tire pressure warning light..... | 490 |

Warning messages

| | |
|--------------------------------|---------------|
| Anti-lock brake system..... | 501 |
| Brake assist..... | 501 |
| Dynamic radar | |
| cruise control..... | 500 |
| Engine oil level..... | 504 |
| Engine oil maintenance..... | 504 |
| Engine oil pressure..... | 497 |
| Headlight..... | 498 |
| Hill-start assist control..... | 501 |
| Hood..... | 502 |
| Intuitive parking | |
| assist..... | 499, 505, 507 |
| Moon roof..... | 503 |
| Open door..... | 502 |
| Parking brake..... | 503 |
| Pre-collision system..... | 499, 505 |
| Rear lights system..... | 498 |
| Smart access system with | |
| push-button start..... | 508 |
| Steering lock..... | 498, 510 |
| Tire pressure warning | |
| system..... | 498, 504 |
| TRAC..... | 501 |
| Trunk..... | 503 |
| VGRS..... | 501 |
| VSC/ECB..... | 501 |
| Washer fluid..... | 503 |

| | |
|---|------------|
| Washer | |
| Checking | 420 |
| Preparing and checking before winter | 199 |
| Switch | 146 |
| Washing and waxing..... | 388 |
| Weight | |
| Cargo capacity..... | 194 |
| Load limits | 198 |
| Weight | 540 |
| Wheels | 435 |
| Window glasses | 37 |
| Window lock switch | 37 |
| Windows | |
| Power windows..... | 64 |
| Rear window defogger | 225 |
| Washer | 146 |
| Windshield wipers | |
| Position | 201 |
| Windshield wipers..... | 146 |
| Winter driving tips..... | 199 |
| Wireless remote control key | |
| Locking/Unlocking | 34 |
| Replacing the battery | 440 |
| WMA disc | 247 |

What to do if...

What to do if...



A tire punctures

P. 512/
522

If you have a flat tire



The engine does not start

P. 73

Immobilizer system

P. 523

If the engine will not start

P. 529

If the 12 volt battery is discharged



The shift lever cannot be moved out

P. 524

If the shift lever cannot be shifted from "P"



The engine coolant temperature gauge enters the red zone

P. 533

If your vehicle overheats



Steam can be seen coming from under the hood



The key is lost

P. 525

If you lose your keys



The battery runs out

P. 529

If the 12 volt battery is discharged



The doors cannot be locked

P. 37

Doors



The horn begins to sound

P. 75


Alarm



The vehicle is stuck in mud or sand

P. 536

If the vehicle becomes stuck

 The warning light or indicator light comes on

P. 488 If the warning light turns on



■ Warning lights



Brake system warning light

or



P. 488



Malfunction indicator lamp

or



P. 489



ABS warning light

or



P. 489



Driver's seat belt reminder light

P. 490



Front passenger's seat belt reminder light

P. 490



ECB*/VSC warning light

P. 489



Tire pressure warning light

P. 490



Low fuel level warning light

P. 490



Electric power steering warning light

P. 489



SRS warning light

P. 489



Pre-collision system warning light

P. 489



Open door warning light

P. 490



Master warning light


P. 491



Charging system warning light

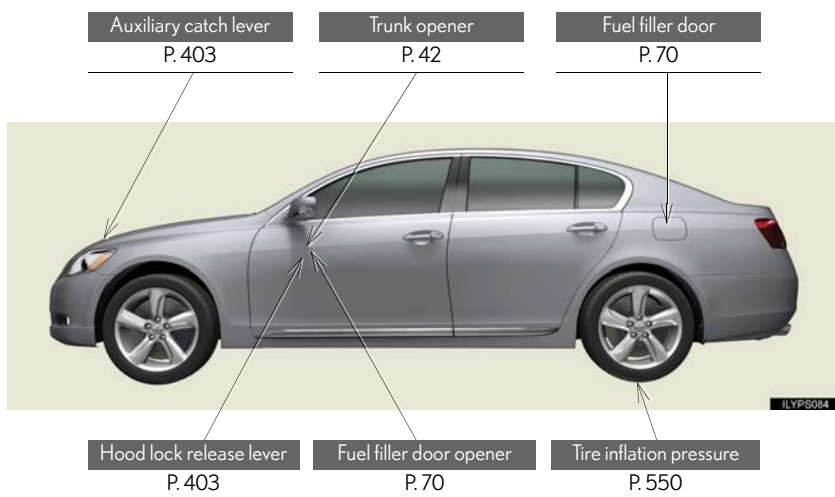
P. 488

*: Electronically Controlled Brake System

 The warning message is displayed

P. 497 If the warning message is displayed

GAS STATION INFORMATION



| | | | |
|--|--|-------------------------------|-------------------------------|
| Fuel tank capacity | 18.7 gal. (71 L, 15.6 Imp.gal.) | | |
| Fuel type | Premium unleaded gasoline only | | P. 71, 543 |
| Cold tire inflation pressure | P. 550 | | |
| Engine oil capacity (Drain and refill) | | | qt. (L, Imp.qt.) |
| With filter | GS460 9.1 (8.6, 7.6) | GS350 (2WD) 6.6 (6.3, 5.5) | GS350 (4WD) 6.7 (6.4, 5.6) |
| Without filter | 8.9 (8.4, 7.4) | 6.2 (5.9, 5.2) | 6.3 (6.0, 5.3) |
| Engine oil type | "Toyota Genuine Motor Oil" or equivalent Oil grade: ILSAC multigrade engine oil | | P. 544 |