Owner's Manual

For your safety and comfort, read carefully and keep in the vehicle.





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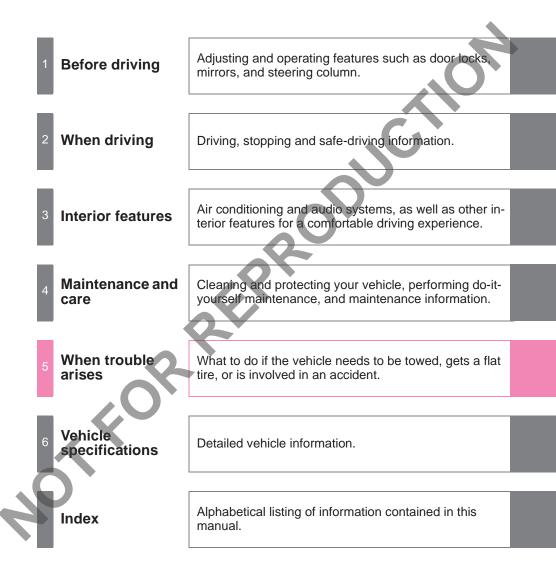


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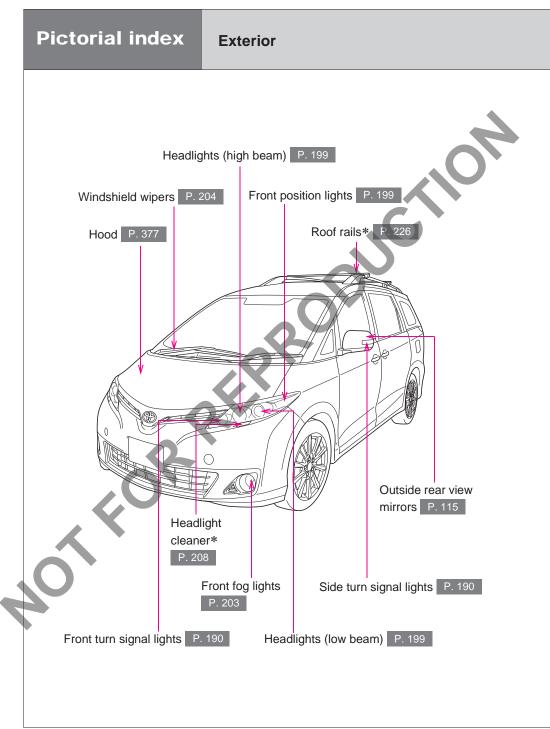
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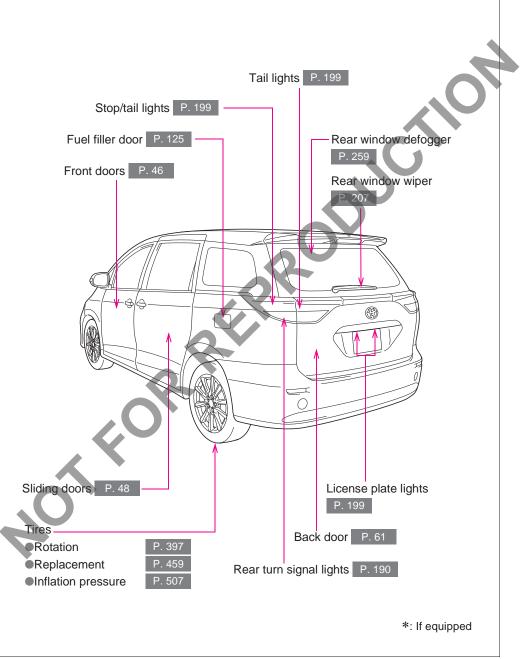
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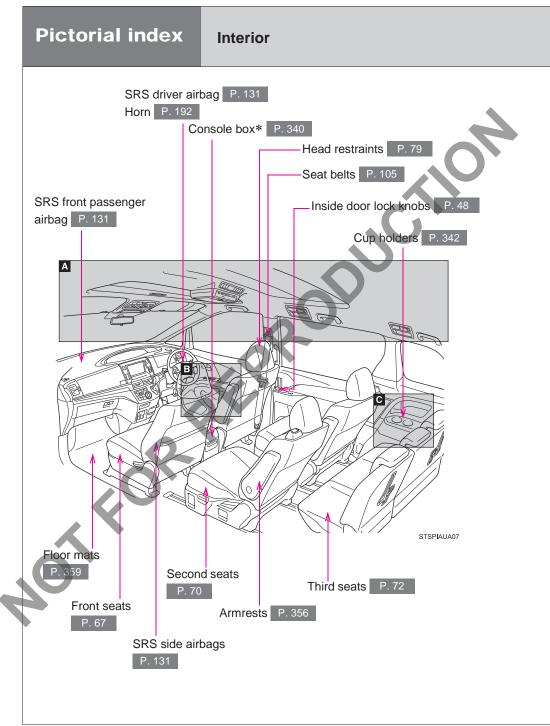
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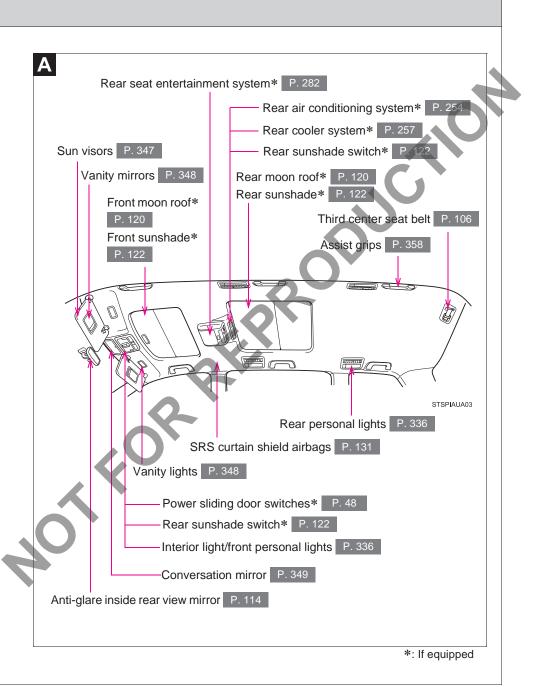
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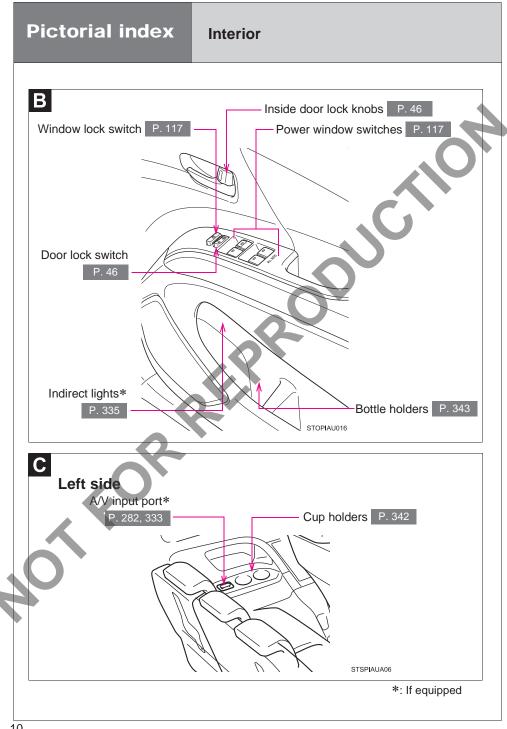
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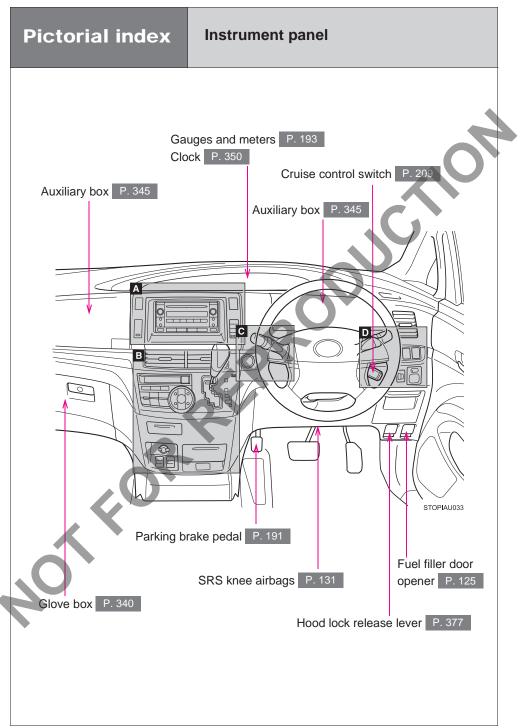


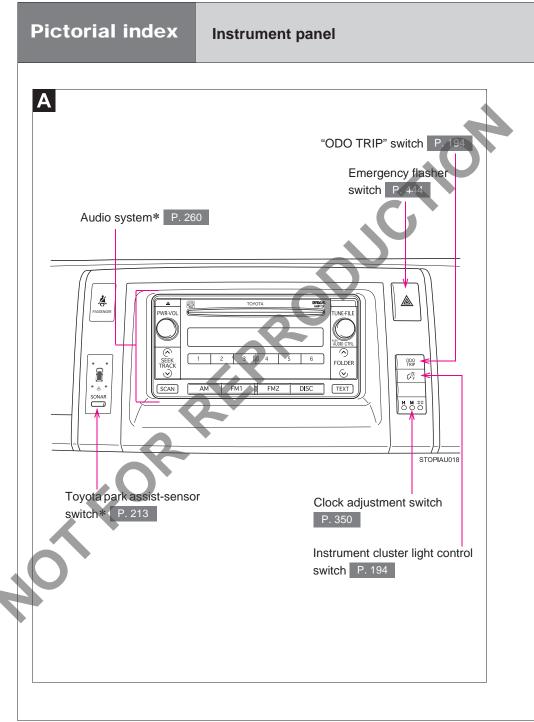


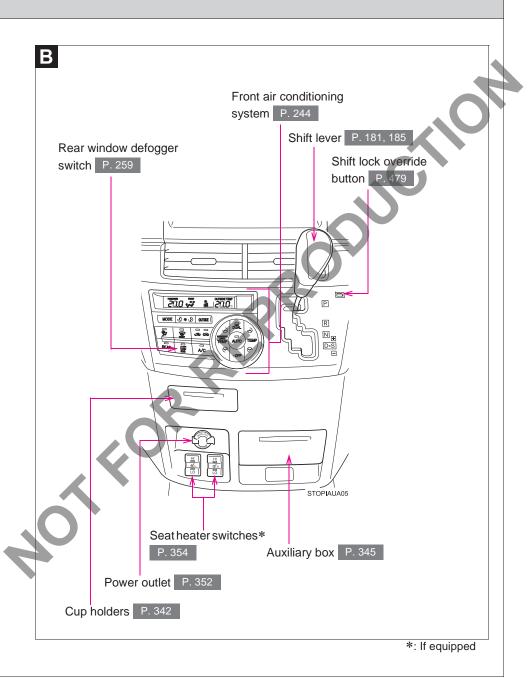


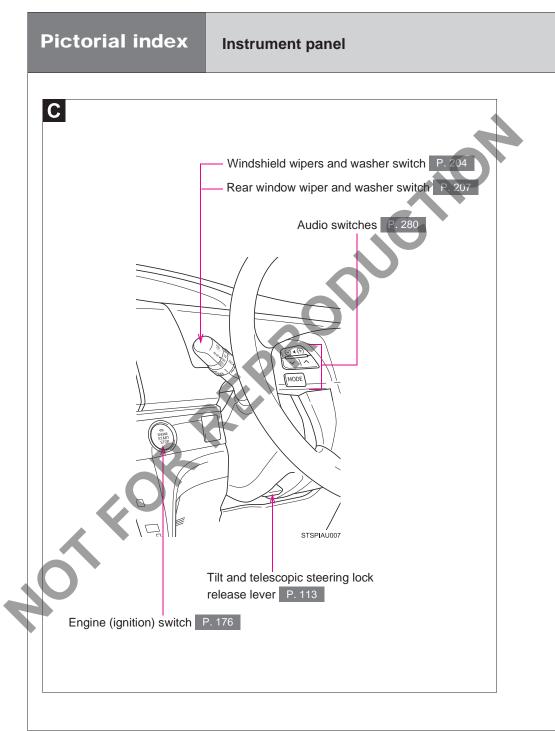


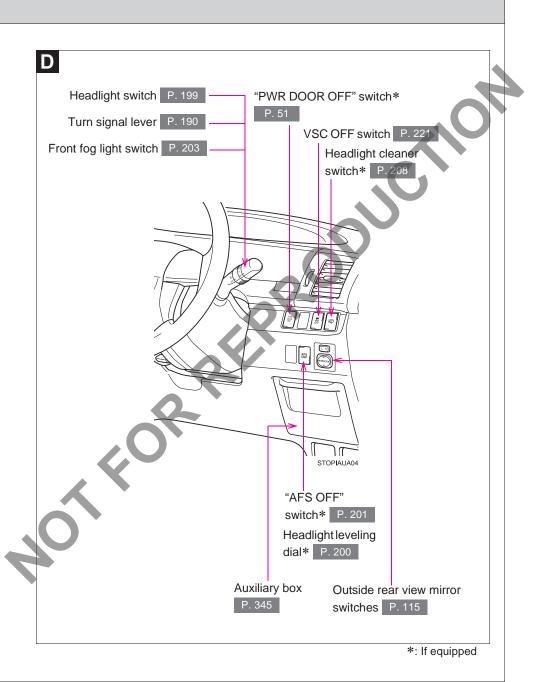


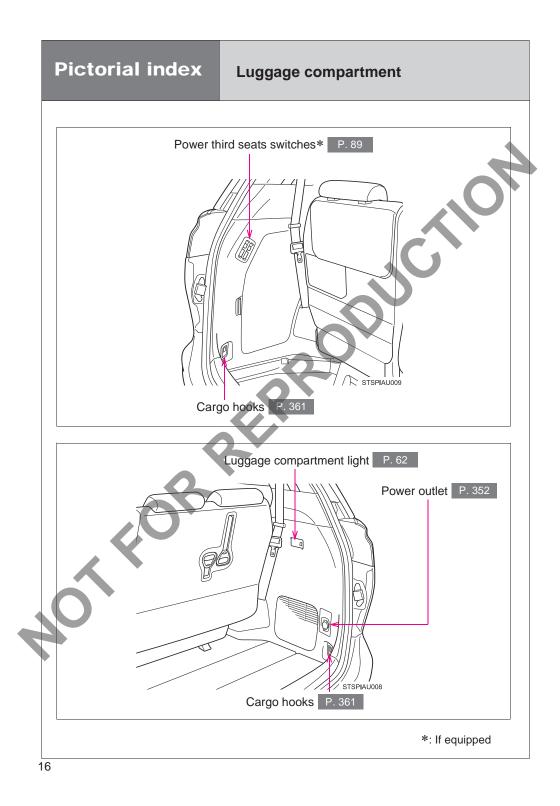












For your information

Main Owner's Manual

Please note that this manual applies to all models and all equipment, including options. Therefore, you may find some explanations for equipment not installed on your vehicle.

All specifications provided in this manual are current at the time of printing. However, because of the Toyota policy of continual product improvement, we reserve the right to make changes at any time without notice.

Depending on specifications, the vehicle shown in the illustrations may differ from your vehicle in terms of equipment.

Accessories, spare parts and modification of your Toyota

A wide variety of non-genuine spare parts and accessories for Toyota vehicles are currently available in the market. Using these spare parts and accessories which are not genuine Toyota produces may adversely affect the safety of your vehicle, even though these parts may be approved by certain authorities in your country. Toyota Motor Corporation therefore cannot accept any liability or guarantee spare parts and accessories which are not genuine Toyota products, nor for replacement or installation involving such parts.

This vehicle should not be modified with non-genuine Toyota products. Modification with non-genuine Toyota products could affect its performance, safety or durability, and may even violate governmental regulations. In addition, damage or performance problems resulting from the modification may not be covered under warranty.

Installation of an RF-transmitter system

The installation of an RF-transmitter system in your vehicle could affect electronic systems such as:

- Multiport fuel injection system/sequential multiport fuel injection system
- Cruise control system
- Anti-lock brake system
- SRS airbag system
- Seat belt pretensioner system

Be sure to check with your Toyota dealer for precautionary measures or special instructions regarding installation of an RF-transmitter system.

Further information regarding frequency bands, power levels, antenna positions and installation provisions for the installation of RF-transmitters, is available on request at your Toyota dealer.

Vehicle data recordings

Your Toyota equipped with several sophisticated computers that will record certain data, such as:

- Engine speed
- Accelerator status
- Brake status
- Vehicle speed
- Shift position

The recorded data varies according to the vehicle grade level and options with which it is equipped. Furthermore, these computers do not record conversations, sounds or pictures.

Data usage

Toyota may use the data recorded in these computers to diagnose malfunctions, conduct research and development, and improve quality.

Toyota will not disclose the recorded data to a third party except:

- With the consent of the vehicle owner or with the consent of the lessee if the vehicle is leased
- In response to an official request by the police, a court of law or a government agency
- · For use by Toyota in a lawsuit
- For research purposes where the data is not tied to a specific vehicle or vehicle owner



Scrapping of your Toyota

The SRS airbag and seat belt pretensioner devices in your Toyota contain explosive chemicals. If the vehicle is scrapped with the airbags and seat belt pretensioners left as they are, this may cause an accident such as fire. Be sure to have the systems of the SRS airbag and seat belt pretensioner removed and disposed of by a qualified service shop or by your Toyota dealer before you scrap your vehicle.

CAUTION

General precautions while driving

Driving under the influence: Never drive your vehicle when under the influence of alcohol or drugs that have impaired your ability to operate your vehicle. Alcohol and certain drugs delay reaction time, impair judgment and reduce coordination, which could lead to an accident that could result in death or serious injury.

Defensive driving: Always drive defensively. Anticipate mistakes that other drivers or pedestrians might make and be ready to avoid accidents.

Driver distraction: Always give your full attention to driving. Anything that distracts the driver, such as adjusting controls, talking on a cellular phone or reading can result in a collision with resulting death or serious injury to you, your occupants or others.

General precaution regarding children's safety

Never leave children unattended in the vehicle, and never allow children to have or use the key.

Children may be able to start the vehicle or shift the vehicle into neutral. There is also a danger that children may injure themselves by playing with the windows, the moon roof, or other features of the vehicle. In addition, heat build-up or extremely cold temperatures inside the vehicle can be fatal to children.

Symbols used throughout this manual

Cautions & Notices

CAUTION

This is a warning against something which, if ignored, may cause death or serious injury to people. You are informed about what you must or must not do in order to reduce the risk of death or serious injury to yourself and others.

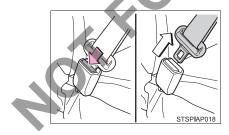
This is a warning against something which, if ignored, may cause damage to the vehicle or its equipment. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your Toyota and its equipment.

Symbols used in illustrations



Safety symbol

The symbol of a circle with a slash through it means "Do not", "Do not do this", or "Do not let this happen".



Arrows indicating operations

- Indicates the action (pushing, turning, etc.) used to operate switches and other devices.
- ☐ Indicates the outcome of an operation (e.g. a lid opens).

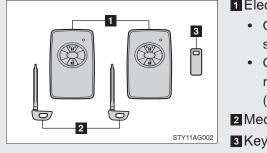
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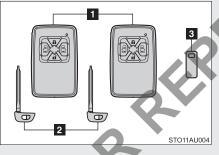
1-1. Key information **Keys**

The following keys are provided with the vehicle.

Туре А



Туре В



1 Electronic keys

- Operating the push-button start system (→P. 37)
- Operating the wireless remote control function (→P. 43)

2 Mechanical keys

3 Key number plate

1 Electronic keys

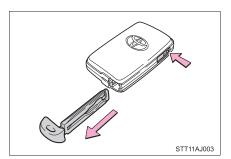
- Operating the smart entry & start system (→P. 27)
- Operating the wireless remote control function (→P. 43)

2 Mechanical keys

3 Key number plate

Before driving

Using the mechanical key



To take out the mechanical key, push the release button and take the key out.

After using the mechanical key, store it in the electronic key. Carry the mechanical key together with the electronic key. If the electronic key battery is depleted or the entry function (if equipped) does not operate properly, you will need the mechanical key. $(\rightarrow P, 481)$

When required to leave the vehicle's key with a parking attendant

Lock the glove box as circumstances demand. (\rightarrow P. 340) Remove the mechanical key for your own use and provide the attendant with the electronic key only.

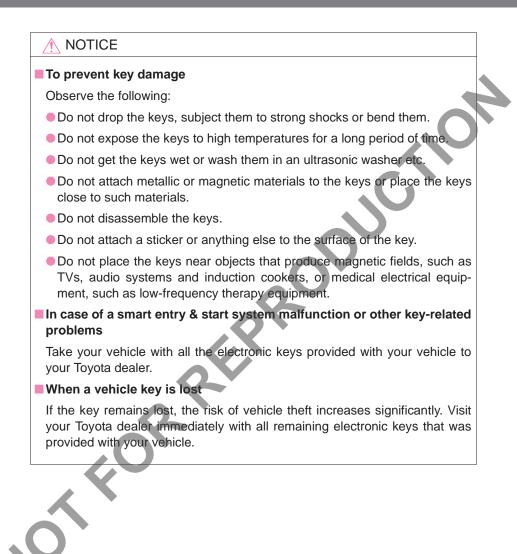
Key number plate

Keep the plate in a safe place such as your wallet, not in the vehicle. In the event that a mechanical key is lost, a new key can be made at your Toyota dealer using the key number plate. (\rightarrow P. 480)

When riding in an aircraft

When bringing electronic key onto an aircraft, make sure you do not press any buttons on the electronic key while inside the aircraft cabin. If you are carrying an electronic key in your bag etc., ensure that the buttons are not likely to be pressed accidentally. Pressing a button may cause the key to emit radio waves that could interfere with the operation of the aircraft.

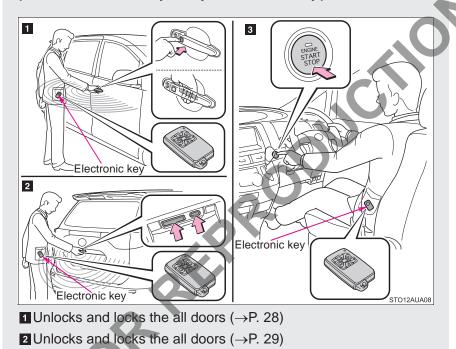
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1-2. Opening, closing and locking the doors **Smart entry & start system**^{*}

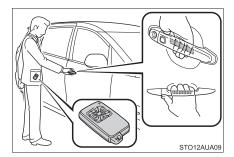
3 Starts and stops the engine (\rightarrow P. 176)

The following operations can be performed simply by carrying the electronic key on your person, for example in your pocket. (The driver should always carry the electronic key.)



*: If equipped

Unlocking and locking the doors



Grip the handle to unlock the all doors.

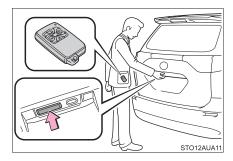
Make sure to touch the sensor on the back of the handle.

The doors cannot be unlocked for 3 seconds after the doors are locked.

Press the lock button to lock the all doors.



Unlocking and locking the back door



Press the button to unlock the all doors.

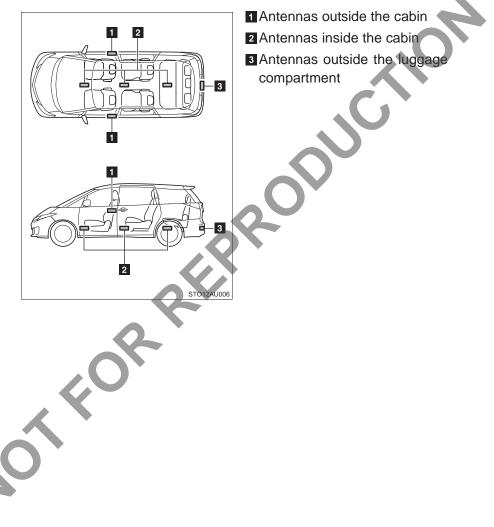
The door cannot be unlocked for 3 seconds after the door is locked.



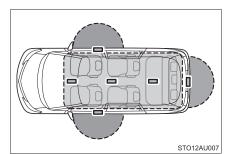
Press the button to lock the all doors.

Antenna location and effective range

Antenna location



Effective range (areas within which the electronic key is detected)



When locking or unlocking the doors

The system can be operated when the electronic key is within about 0.7 m (2.3 ft.) either of the outside front door handles and back door. (Only the doors detecting the key can be operated.)

 When starting the engine or changing "ENGINE START STOP" switch modes

> The system can be operated when the electronic key is inside the vehicle.

Operation signals

A buzzer sounds and the emergency flashers flash to indicate that the doors have been locked/unlocked. (Locked: once; Unlocked: twice)

Alarms and warning light

A combination of exterior and interior alarms as well as warning light is used to prevent theft of the vehicle and unforeseeable accidents resulting from erroneous operation. Take appropriate measures for the warning light that comes on. (\rightarrow P. 457)

The following table describes circumstances and correction procedures when only alarms are sounded.

Alarm	Situation	Correction procedure
Interior alarm sounds continu- ously	The driver's door was opened and a shift position other than P was selected without turning off the "ENGINE START STOP" switch.	Shift the shift lever to P.
	The engine was stopped with the shift lever in a position other than P.	G
Interior alarm sounds repeat- edly	The "ENGINE START STOP" switch was turned to ACCESSORY mode while the driver's door was open (or the driver's door was opened while the "ENGINE START STOP" switch was in ACCES- SORY mode). The driver's door was opened when the "ENGINE START STOP" switch is off and steering lock is unlocked.	Turn the "ENGINE START STOP" switch off and close the driver's door again.
~~~	The engine was stopped while driving.	Stop the vehicle in a safe place such as the shoulder of a road.

Alarm	Situation	Correction procedure
Exterior alarm sounds once for 60 seconds	An attempt was made to exit the vehicle and lock the door's, using the smart entry & start system, with- out first turning the "ENGINE START STOP" switch to off.	Turn the "ENGINE START STOP" switch off and lock the doors again.
Exterior alarm sounds once for 5 seconds	An attempt was made to lock the vehicle, using the smart entry & start system while a door was open.	Close all of the doors and lock the doors again.
Interior alarm sounds once	The electronic key battery is low.	Replace the electronic key battery.
Exterior alarm sounds once for 2 seconds	An attempt was made to exit the vehicle and lock the doors using the smart entry & start system while the electronic key was still inside the vehicle.	Retrieve the elec- tronic key from the vehicle and lock the doors again.

#### Security feature

If a door is not opened within approximately 30 seconds after the vehicle is unlocked, the security feature automatically locks the vehicle again.

#### Battery-saving function

In the following circumstances, the entry function is disabled in order to prevent the vehicle battery from discharging and the electronic key battery from depleting:

When the entry function has not been used for 2 weeks or more

When the electronic key has been left within approximately 2 m (6 ft.) of the vehicle for 10 minutes or more

The system will resume operation when...

• The vehicle is locked using the door handle and back door lock switches when carrying the electronic key on your person.

• The vehicle is locked/unlocked using the wireless remote control.  $(\rightarrow P. 43)$ 

• The vehicle is locked/unlocked using the mechanical key. ( $\rightarrow$ P. 481)

#### Conditions affecting operation

→P. 44

#### Notes for the entry function

- Even when the electronic key is within the effective range (detection areas), the system may not operate properly in the following cases:
  - The electronic key is too close to the window or outside door handle, near the ground, or in a high place when the doors are locked or unlocked.
  - The electronic key is near the ground or in a high place, or too close to the rear bumper center when the back door is locked or unlocked.
  - The electronic key is on the instrument panel, floor or in the auxiliary boxes or glove box when the engine is started or "ENGINE START STOP" switch modes are changed.
- Do not leave the electronic key on top of the instrument panel or near the door pockets when exiting the vehicle. Depending on the radio wave reception conditions, it may be detected by the antenna outside the cabin and the door will become lockable from the outside, possibly trapping the electronic key inside the vehicle.
- As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone.
- Even if the electronic key is not inside the vehicle, it may be possible to start the engine if the electronic key is near the window.
- The doors may unlock if a large amount of water splashes on the door handle, such as in the rain or in a car wash when the electronic key is within the effective range. (The door will automatically be locked after approximately 30 seconds if the doors are not opened and closed.)

Gripping the door handle when wearing a glove may not unlock the door.

If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)

A sudden approach to the effective range or door handle may prevent the doors from being unlocked. In this case, return the door handle to the original position and check that the doors unlock before pulling the door handle again.

#### When the vehicle is not driven for extended periods

- To prevent theft of the vehicle, do not leave the electronic key within 2 m (6 ft.) of the vehicle.
- The smart entry & start system can be deactivated in advance. (
  P. 511)

#### To operate the system properly

Make sure to carry the electronic key when operating the system. Do not get the electronic key too close to the vehicle when operating the system from the outside of the vehicle.

Depending on the position and holding condition of the electronic key, the key may not be detected correctly and the system may not operate properly. (The alarm may go off accidentally, or the door lock prevention function may not operate.)

#### If the smart entry & start system does not operate properly

• Locking and unlocking the doors: Use the mechanical key. ( $\rightarrow$ P. 481)

• Starting the engine:  $\rightarrow$  P. 481

#### Electronic key battery depletion

The standard battery life is 1 to 2 years. (The battery becomes depleted even if the electronic key is not used.) If the smart entry & start system or the wireless remote control function does not operate, or the detection area becomes smaller, the battery may be depleted. Replace the battery when necessary. (→P. 407)

If the battery becomes low, an alarm will sound in the cabin when the engine stops. ( $\rightarrow$ P. 31)

To avoid serious deterioration, do not leave the electronic key within 1 m (3 ft.) of the following electrical appliances that produce a magnetic field:

- TVs
- Personal computers
- · Cellular phones, cordless phones and battery chargers
- · Recharging cellular phones or cordless phones
- Induction cookers
- Table lamps

### When the electronic key battery is fully depleted

→P. 407

- If the smart entry & start system has been deactivated in a customized setting
  - Locking and unlocking the doors: Use the wireless remote control or mechanical key. (→P. 43, 481)
  - Starting the engine and changing "ENGINE START STOP" switch modes: →P. 481
  - Stopping the engine:  $\rightarrow$  P. 177

### Customization that can be configured at Toyota dealer

Settings (e. g. smart entry & start system) can be changed. (Customizable features:  $\rightarrow$ P. 511)

### **CAUTION**

### Caution regarding interference with electronic devices

● People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the smart entry & start system antennas. (→P. 30)

The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask your Toyota dealer for details, such as the frequency of radio waves and timing of the emitted radio waves. Then, consult your doctor to see if you should disable the entry function.

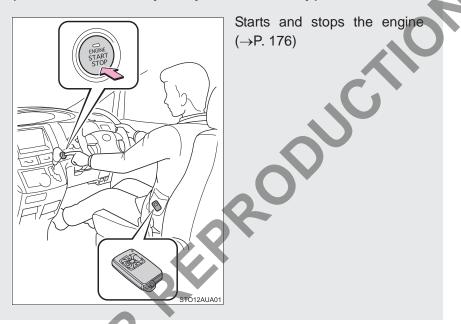
• Users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.

Radio waves could have unexpected effects on the operation of such medical devices.

Ask your Toyota dealer for details on disabling the entry function.

# 1-2. Opening, closing and locking the doors **Push-button start system**^{*}

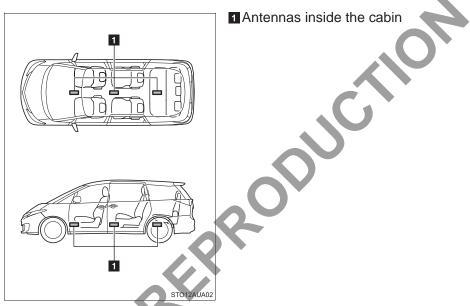
Starting and stopping the engine can be performed simply by carrying the electronic key on your person, for example in your pocket. (The driver should always carry the electronic key.)



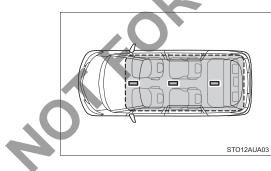
*: If equipped

### Antenna location and effective range

### Antenna location



Effective range (areas within which the electronic key is detected)



When starting the engine or changing "ENGINE START STOP" switch modes

The system can be operated when the electronic key is inside the vehicle.

### Alarms and warning light

A combination of exterior and interior alarms as well as warning light is used to prevent theft of the vehicle and unforeseeable accidents resulting from erroneous operation. Take appropriate measures for the warning light that comes on. ( $\rightarrow$ P. 457)

The following table describes circumstances and correction procedures when only alarms are sounded.

Alarm	Situation	Correction procedure
Interior alarm sounds continu- ously	The driver's door was opened and a shift position other than P was selected without turning off the "ENGINE START STOP" switch.	Shift the shift lever to P.
	The engine was stopped with the shift lever in a posi- tion other than P.	
Interior alarm sounds repeat- edly	The "ENGINE START STOP" switch was turned to ACCESSORY mode while the driver's door was open (or the driver's door was opened while the "ENGINE START STOP" switch was in ACCESSORY mode).	Turn the "ENGINE START STOP" switch off and close the driver's door again.
	The driver's door was opened when the "ENGINE START STOP" switch is off and steering lock is unlocked.	unvers door again.
	The engine was stopped while driving.	Stop the vehicle in a safe place such as the shoulder of a road.

Alarm	Situation	Correction procedure	
Interior alarm sounds once	The electronic key battery is low.	Replace the electronic key battery.	•

### Conditions affecting operation

→P. 44

### Notes for the push-button start system

• Even when the electronic key is within the effective range (detection areas), the system may not operate properly.

For example, the electronic key is on the instrument panel, floor or in the auxiliary boxes or glove box when the engine is started or "ENGINE START STOP" switch modes are changed.

• Even if the electronic key is not inside the vehicle, it may be possible to start the engine if the electronic key is near the window.

### To operate the system properly

Make sure to carry the electronic key when operating the system.

Depending on the position and holding condition of the electronic key, the key may not be detected correctly and the system may not operate properly. (The alarm may go off accidentally.)

### If the push-button start system does not operate properly

Starting the engine:  $\rightarrow$  P. 481

#### Electronic key battery depletion

- The standard battery life is 1 to 2 years. (The battery becomes depleted even if the electronic key is not used.) If the push-button start system or the wireless remote control function does not operate, or the detection area becomes smaller, the battery may be depleted. Replace the battery when necessary. (→P. 407)
- If the battery becomes low, an alarm will sound in the cabin when the engine stops. (→P. 39)
- To avoid serious deterioration, do not leave the electronic key within 1 m (3 ft.) of the following electrical appliances that produce a magnetic field:
  - TVs
  - Personal computers
  - · Cellular phones, cordless phones and battery chargers
  - Recharging cellular phones or cordless phones
  - Glass top ranges
  - Table lamps

### When the electronic key battery is fully depleted

→P. 407

## If the push-button start system has been deactivated in a customized setting

 Starting the engine and changing "ENGINE START STOP" switch modes: →P. 481

• Stopping the engine:  $\rightarrow$  P. 177

### Customization that can be configured at Toyota dealer

Settings (e. g. push-button start system) can be changed. (Customizable features:  $\rightarrow$ P. 511)



Before driving

## 

### Caution regarding interference with electronic devices

 People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the push-button start system antennas. (
 —P. 38)

The radio waves may affect the operation of such devices. If necessary, the push-button start system can be disabled. Ask your Toyota dealer for details, such as the frequency of radio waves and timing of the emitted radio waves. Then, consult your doctor to see if you should disable the push-button start system.

• Users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.

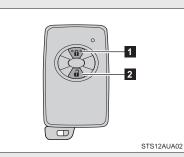
Radio waves could have unexpected effects on the operation of such medical devices.

Ask your Toyota dealer for details on disabling the push-button start system.

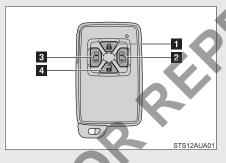
## 1-2. Opening, closing and locking the doors Wireless remote control

The wireless remote control can be used to lock and unlock the vehicle. It also opens and closes the power sliding door.

## Туре А



Туре В



Locks all the doors
 Unlocks all the doors

Locks all the doors

2 Opens and closes the right side power sliding door (press and hold)

- Opens and closes the left side power sliding door (press and hold)
- 4 Unlocks all the doors

### Operation signals

Doors: A buzzer sounds and the emergency flashers flash to indicate that the doors have been locked/unlocked. (Locked: Once; Unlocked: Twice)

Power sliding doors: A buzzer sounds to indicate that the power sliding doors are operating. (Starting operation: Once; Closing operation: continuously)

### Door lock buzzer

If an attempt to lock the doors is made when a door is not fully closed, a buzzer sounds continuously. Fully close the door to stop the buzzer, and lock the vehicle once more.

### Security feature

→P. 33

### The power sliding door can be operated when (if equipped)

→P. 52

### Reversing the operation of the power sliding door (if equipped)

Pressing the wireless remote control switch again while the door is operating will cause the operation to reverse. However, the reverse operation cannot be performed for the first second after automatic operation starts, even if the wireless remote control switch is pressed again.

### Conditions affecting operation

The smart entry & start system (if equipped), push-button start system (if equipped), wireless remote and engine immobilizer system uses weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart entry & start system, push-button start system, wireless remote control and engine immobilizer system from operating properly. (Way of coping  $\rightarrow$ P. 481)

When the electronic key battery is depleted

 Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise

- When the electronic key has come into contact with, or is covered by a metallic object
- When other wireless key (that emit radio waves) is being used nearby

- When carrying the electronic key together with the following devices that emit radio waves
  - A portable radio, cellular phone, cordless phone or other wireless communication device
  - Another vehicle's electronic key or a wireless key that emits radio waves
  - Personal computers or personal digital assistants (PDAs)
  - Digital audio players
  - Portable game systems
- If window tint with a metallic content or metallic objects are attached to the rear window

### If the wireless remote control does not operate properly

Locking and unlocking the doors: Use the mechanical key.  $(\rightarrow P. 481)$ 

### Electronic key battery depletion

→P. 35

### When the electronic key battery is fully depleted

→P. 407

### Customization that can be configured at Toyota dealer

Settings (e.g. wireless remote control) can be changed. (Customizable features  $\rightarrow$  P. 511)

Before driving

# 1-2. Opening, closing and locking the doors **Front doors**

The vehicle can be locked and unlocked using the entry function (if equipped), wireless remote control or door lock switch.

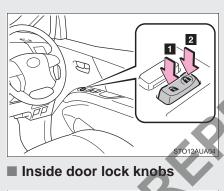
Entry function (if equipped)

→P. 28

Wireless remote control

→P. 43

Door lock switch



1

2

STO12AUA05

Unlocks all the doors
 Locks all the doors

Locks the door
 Unlocks the door

The driver's door can be opened by pulling the inside handle even if the lock knob is in the lock position.

### Locking the front doors from the outside without a key

STEP 1 Move the inside door lock knob to the lock position.

STEP 2 Close the door while pulling the door handle.

The door cannot be locked if the "ENGINE START STOP" switch is in ACCESSORY or IGNITION ON mode, or the electronic key is left inside the vehicle.

The mechanical key may not be detected correctly and the door may be locked.

### Using the mechanical key

The door can also be locked and unlocked with the mechanical key.  $(\rightarrow P. 481)$ 

If the smart entry & start system has been deactivated in a customized setting (if equipped)

Use the wireless remote control or mechanical key. ( $\rightarrow$ P. 43, 481)

### **CAUTION**

### To prevent an accident

Observe the following precautions while driving the vehicle. Failing to do so may result in a door opening and an occupant falling out, resulting in death or serious injury.

Always use a seat belt.

Always lock all the doors.

Ensure that all the doors are properly closed.

Do not pull the inside handle of the doors while driving.

The doors may be opened and the passengers are thrown out of the vehicle and it may result in death or serious injury.

Be especially careful for the driver's door, as the door may be opened even if the inside lock knobs are in locked position.

# 1-2. Opening, closing and locking the doors **Sliding doors**

### Vehicles without power sliding doors

The sliding doors can be opened and closed using the sliding door handles. The sliding doors can be locked and unlocked using the entry function, wireless remote control, door lock switch or inside door lock knobs.

Vehicles with power sliding doors

The power sliding doors can be opened and closed using the sliding door handles, power sliding door switches or wireless remote control. The power sliding doors can be locked and unlocked using the entry function, wireless remote control, door lock switch or inside door lock knobs.

Locking and unlocking the sliding doors

Entry function (if equipped)

→P. 28

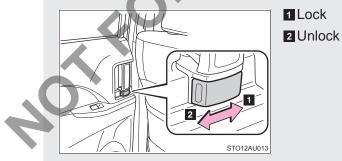
Wireless remote control

→P. 43

**Door lock switch** 

→P. 46

Inside door lock knobs



## Opening and closing the sliding doors

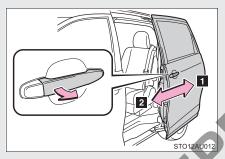
Wireless remote control (vehicles with power sliding doors)

→P. 43

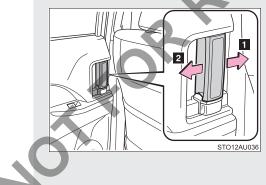
## Power sliding door switches (if equipped)

→P. 50

## Outside door handles



### Inside door handles



## 1 Open 2 Close

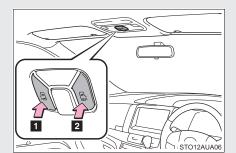
Vehicles with power sliding doors: When the handle is pulled, a buzzer sounds and the sliding door will be automatically and completely opened and closed. A buzzer will sound intermittently while closing.

## 1 Close

## 2 Open

Vehicles with power sliding doors: When the handle is pulled, a buzzer sounds and the sliding door will be automatically and completely opened and closed. A buzzer will sound intermittently while closing.

## Power sliding door switches (vehicles with power sliding doors)



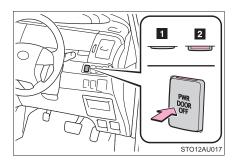
Press the power sliding door switch for 1 second to open/ close the following door.

Left side sliding door
 Right side sliding door

When pressing the power sliding door switch again while the power sliding door is opening/ closing, the sliding door automatically reverse direction. It takes 1 second for this function to activate after the sliding door begin opening or closing.

A buzzer sounds when the power sliding door switch is pressed. A buzzer will sound intermittently while closing.

## Canceling the power sliding door system (vehicles with power sliding doors)



Turn the "PWR DOOR OFF" switch off to disable the power sliding door system.

## 1 Off

The sliding doors can only be opened and closed manually.

2 On*

The power sliding door can be opened and closed with the sliding door handles, the power sliding door switches or wireless remote control. If the sliding door child protectors are set to lock, the inside door handles will not open the closed door.

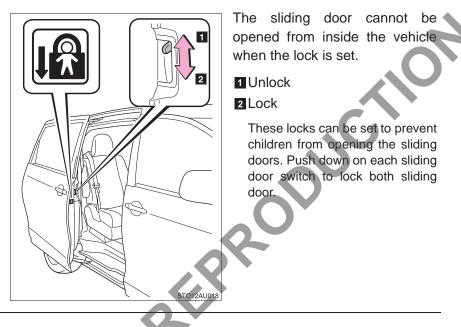
*: Orange mark on the switch should be visible when the switch is on.

Locking the sliding doors from the outside without the wireless remote control

STEP 1 Move the inside door lock knob to the lock position.

STEP 2 Close the sliding door.

### Sliding door child-protector locks



### The power sliding door can be operated when (if equipped)

When all the following conditions are satisfied, the power sliding door automatic operation can open/close.

• The power sliding door system is turned on.

• The sliding door is unlocked. (except when closing)

• The fuel lid is closed. (left side sliding door only)

The "ENGINE START STOP" switch is off. (wireless remote control only)

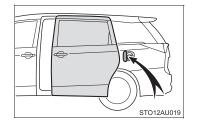
When the "ENGINE START STOP" switch is in IGNITION ON mode, the following preconditions are met. Otherwise, the power sliding doors will not operate.

- The shift lever is in P.
- Vehicle speed is below 3 km/h (1.5 mph).

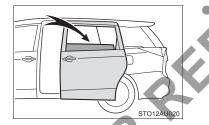
When the power sliding door does not satisfy the above conditions, while the power sliding door is opening and closing, a buzzer sounds for about 2 seconds. In the case of manual operation, the power sliding door brake activates for about 8 seconds, to reducing the sliding door speed.

### Power sliding doors (if equipped)

- If the power sliding door opening/closing operation is activated, while the power sliding door is opening or closing, the door will reverse its operation direction.
- During opening operation: Stroking the power sliding door handle forward will reverse the direction and start closing. Stroking the handle backward will continue opening. During closing operation: Stroking the power sliding door handle backward will reverse the direction and start opening.
   Stroking the bandle forward will continue opening.
  - Stroking the handle forward will continue closing.
- If the opening/closing operation is activated 3 times, while in the middle of opening/closing, a buzzer will sound for about 2 seconds, the sliding door will stop at that position and the power sliding door system will be automatically canceled. The power sliding door brake activates to reduce the power sliding door speed for about 8 seconds. To operate the power sliding door again, turn the "PWR DOOR OFF" switch off and fully open/ close the power sliding door manually.
- The power sliding doors can be opened/closed manually when the power sliding door system is canceled with the "PWR DOOR OFF" switch.
- The power sliding doors reverse automatically and a buzzer sounds when the sensor detects an obstacle. However, the power sliding doors may stop moving if they are within 20 cm (7.87 in.) from the fully-open position.



### The situations in which the sliding door does not open completely



• When the fuel filler door is opened, the left side sliding door will remain halfway opened. To full open the sliding door, close the fuel filler door securely and then operate the sliding door.

Vehicles with power sliding doors: If the fuel lid is opened while the left side power sliding door is opening, a buzzer will sound for about 2 seconds. The power sliding door then changes to manual operation and sliding door brake activates for about 8 seconds, to reducing the sliding door speed.

When the sliding door window is wide opened, the sliding door will remain halfway opened position for safety reasons. To fully open the sliding door, close the window and then operate the sliding door.

> Vehicles with power sliding doors: When the slide door has maintained the halfway position for 30 minutes, the maintain condition is released. The sliding door brake activates for about 8 seconds, to prevent sudden closing if stopped on a downward slope.

### Jam protection function (vehicles with power sliding doors)

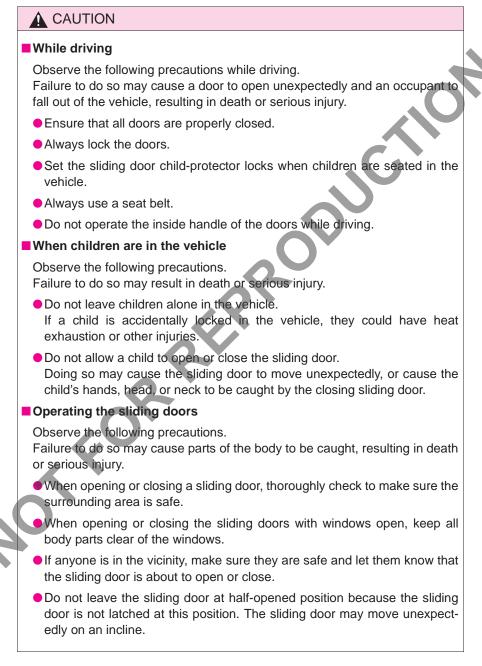
- If anything obstructs the power sliding door while it is closing or opening, the power sliding door will automatically operate in the opposite direction.
- If the jam protection function operates more than twice when the door is opening/closing, a buzzer will sound for about 2 seconds, the sliding door will stop at that position and the power sliding door system will be automatically canceled. The power sliding door brake activates to reduce the power sliding door speed for about 8 seconds. To operate the power sliding door again, turn the "PWR DOOR OFF" switch off and fully open/ close the power sliding door manually.

### Sliding door closer

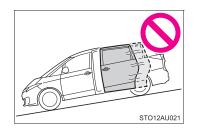
In the event that the sliding door is left slightly open, the sliding door closer will automatically close it to the fully closed position.

### If the battery is disconnected (vehicles with power sliding doors)

The power sliding doors must be initialized. To initialize, fully close the power sliding doors manually.



## **CAUTION**



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• When the vehicle is stopped on a slope, the door will slide faster when opening or closing, so be especially careful that the passengers do not get hit or pinched by the door.

• Open the sliding door fully while passengers are getting on or off on a downward slope. Do not operate the outside handle or inside handle while the door is open as the door could suddenly close by itself causing injury.

 Vehicles with power sliding doors: Do not leave the sliding door at halfopened position because the power slide function will be canceled after 30 minutes. If the vehicle is stopped on a downward slope, it may move.

When closing the sliding door, take extra care to prevent your fingers etc. from being caught.

### Sliding door closer

In the event that the sliding door is left slightly open, the sliding door closer will automatically close it to the fully closed position. It takes several seconds before the sliding door closer begins to operate. Be careful not to catch fingers or anything else in the sliding door, as this may cause bone fractures or other serious injuries. Before driving

## 

 Use caution when using the sliding door closer. The sliding door closer operates even when the power sliding door system is canceled.

 Use caution when the inside door lock knob or the child protector is locked, as the door closer will not stop operating even if the inside door handle is operated. Be careful not to catch fingers or anything else in the sliding door, as this may cause bone fractures or other serious injuries.

### Power sliding doors (if equipped)

Observe the following precautions when the power sliding door system is on. Failure to do so may cause death or serious injury.

• When using the door handle to open or close the power sliding door, remove your hand from the door handle immediately after activating the sliding door. If you leave your hand on the door handle during operation, your hand, fingers, wrist etc. may be subjected to an excessive amount of force.

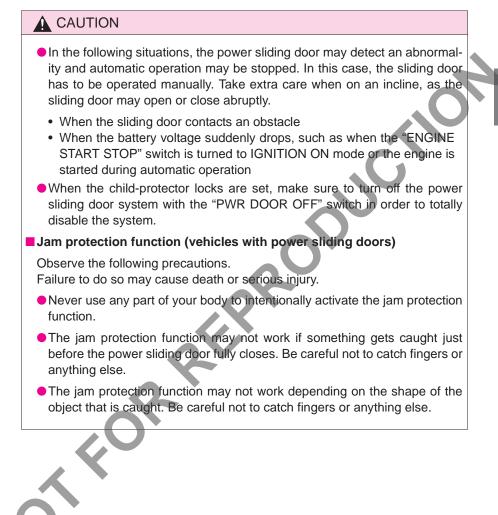
Check the safety of the surrounding area to make sure there are no obstacles or anything that could cause any of your belongings to get caught.

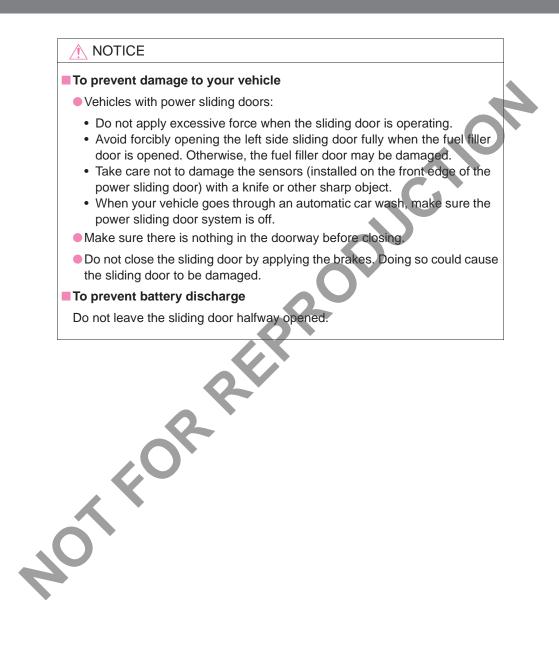
• If anyone is in the vicinity, make sure they are safe and let them know that the sliding door is about to open or close.

 If the power sliding door system is turned off with the "PWR DOOR OFF" switch while the sliding door is operating automatically, the automatic operation is stopped. The sliding door then has to be operated manually. Take extra care when on an incline, as the sliding door may open or close unexpectedly.

• If the operating conditions of the power sliding door ( $\rightarrow$ P. 52) are no longer met, a buzzer may sound and the sliding door may stop opening or closing. The sliding door then has to be operated manually. Take extra care when on an incline, as the sliding door may open or close abruptly.

On an incline, a sliding door may close by itself after it opens automatically. Make sure the sliding door is fully open and secure.





# 1-2. Opening, closing and locking the doors **Back door**

Vehicles without a smart entry & start system

The back door can be locked and unlocked using the wireless remote control or door lock switch.

Vehicles with a smart entry & start system The back door can be locked and unlocked using the entry function, wireless remote control or door lock switch.

Locking and unlocking the back door

Wireless remote control

→P. 43

**Door lock switch** 

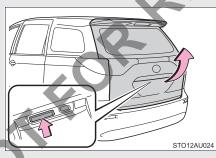
→P. 46

Entry function (if equipped)

→P. 29

Opening/closing the back door from outside the vehicle

## Back door opener (opening operation only)



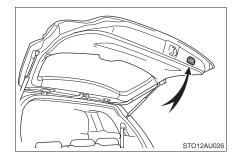
Raise the back door while pushing up the back door opener switch.

The back door cannot be closed immediately after the back door opener switch is pushed.

### Back door handle (closing operation only)

→P. 62

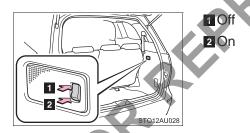
### When closing the back door



Lower the back door using the back door handle, and make sure to push the back door down from the outside to close it.

### Luggage compartment light

The luggage compartment light turns on when the back door is opened with the luggage compartment light switch on.



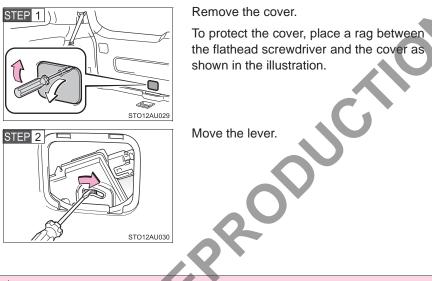
### After the back door has been opened and then closed

Lock the back door again as the back door will not lock automatically.



### If the back door opener is inoperative

The back door can be operated from the inside.



### **CAUTION**

### While driving

• Keep the back door closed while driving.

If the back door is left open, it may hit near-by objects while driving or luggage may be unexpectedly thrown out, causing an accident.

In addition, exhaust gases may enter the vehicle, causing death or a serious health hazard. Make sure to close the back door before driving.

Before driving the vehicle, make sure that the back door is fully closed. If the back door is not fully closed, it may open unexpectedly while driving, causing an accident.

Never let anyone sit in the luggage compartment. In the event of sudden braking or a collision, they are susceptible to death or serious injury.

## **CAUTION**

### When children are in the vehicle

Observe the following precautions.

Failure to do so may result in death or serious injury.

- Do not allow children to play in the luggage compartment.
   If a child is accidentally locked in the luggage compartment, they could have heat exhaustion or other injuries.
- Do not allow a child to open or close the back door.
   Doing so may cause the back door to move unexpectedly, or cause the child's hands, head, or neck to be caught by the closing back door.

### Operating the back door

Observe the following precautions.

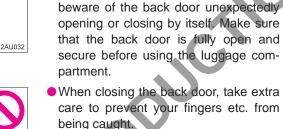
Failure to do so may cause parts of the body to be caught, resulting in death or serious injury.

- Remove any heavy loads, such as snow and ice, from the back door before opening it. Failure to do so may cause the back door to suddenly shut again after it is opened.
- When opening or closing the back door, thoroughly check to make sure the surrounding area is safe.
- If anyone is in the vicinity, make sure they are safe and let them know that the back door is about to open or close.
- Use caution when opening or closing the back door in windy weather as it may move abruptly in strong wind.



## **CAUTION**





• When closing the back door, make sure to press it lightly on its outer surface. If the back door handle is used to fully close the back door, it may result in hands or arms being caught.

The back door may suddenly shut if it is not opened fully. It is more difficult to open or close the back door on an incline than on a level surface, so

 Do not pull on the back door damper stay to close the back door, and do not hang on the back door damper stay.

STO12AU033

Doing so may cause hands to be caught or the back door damper stay to break, causing an accident.

 If a bicycle carrier or similar heavy object is attached to the back door, it may suddenly shut again after being opened, causing someone's hands, head or neck to be caught and injured. When installing an accessory part to the back door, using a genuine Toyota part is recommended.

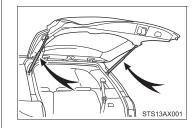
## 

### Back door damper stays

The back door is equipped with damper stays that hold the back door in place.

Observe the following precautions.

Failure to do so may cause damage to the back door damper stay, resulting in malfunction.

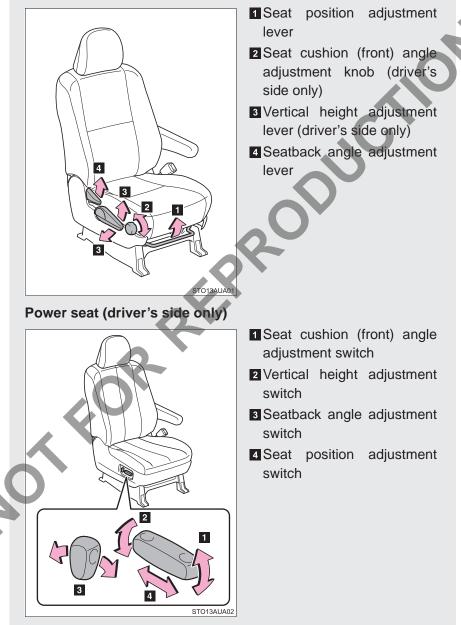


- Do not attach any foreign objects, such as stickers, plastic sheets, or adhesives to the damper stay rod.
- Do not touch the damper stay rod with gloves or other fabric items.
- Do not attach any accessories other than genuine Toyota parts to the back door.

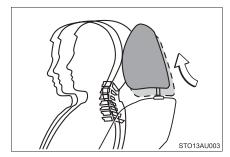
Do not place your hand on the damper stay or apply lateral forces to it.

## 1-3. Adjustable components (seats, mirrors, steering wheel) Front seats





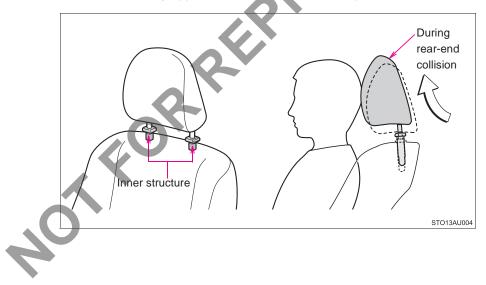
### Active head restraints



When the occupant's lower back presses against the seatback during a rear-end collision, the head restraint moves slightly forward and upward to help reduce the risk of whiplash on the seat occupant.

### Active head restraints

Even small forces applied to the seatback may cause the head restraint to move. When a locked head restraint is pushed up forcibly, the head restraint inner structure may appear. This does not indicate a problem.



## **CAUTION**

### Seat adjustment

- Be careful that the seat does not hit passengers or luggage.
- To reduce the risk of sliding under the lap belt during a collision, do not recline the seat more than necessary.

If the seat is too reclined, the lap belt may slide past the hips and apply restraint forces directly to the abdomen, or your neck may contact the shoulder belt, increasing the risk of death or serious injury in the event of an accident.

Adjustments should not be made while driving as the seat may unexpectedly move and cause the driver to lose control of the vehicle.

• Manual seat only: After adjusting the seat, make sure that the seat is locked in position.

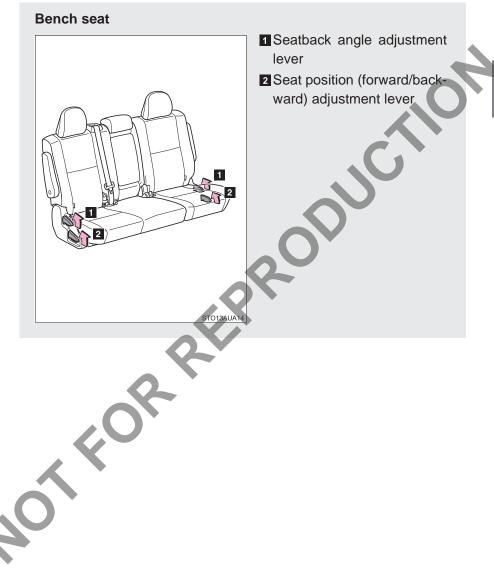
Before driving

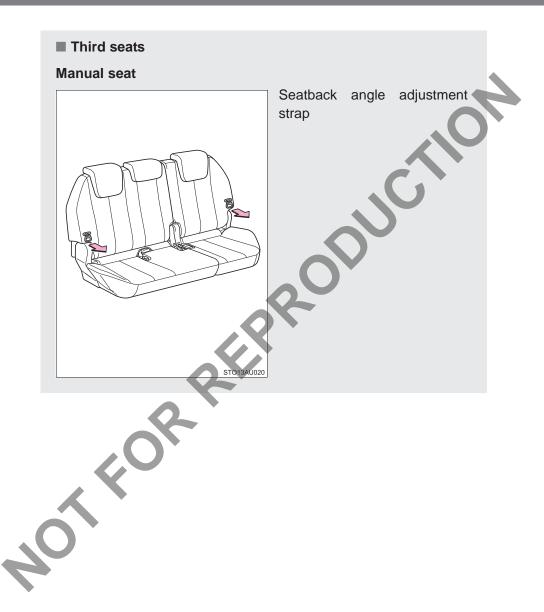
## 1-3. Adjustable components (seats, mirrors, steering wheel) Rear seats

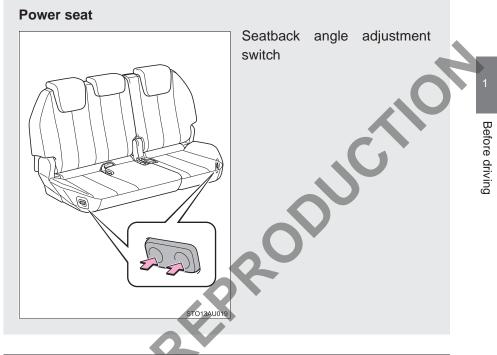
### Second seats

### Captain seat



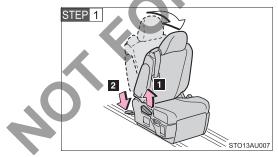






#### When getting in and out of the vehicle from third seats

#### Second captain seats



Pull the seatback angle adjustment lever (1) or depress the release pedal (2).

The seatback are folded and the seats can be slide forward.



Second bench seats



Move the seat to the front-most position.

After passengers are in, return the seat until it locks.

Pull the seatback angle adjustment lever (1) or depress the release pedal (2).

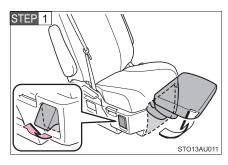
If the bottom cushion is lifted up, depress the release pedal harder than usual.

Move the seat to the front-most position.

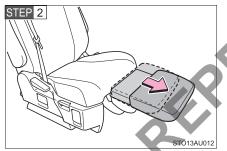
After passengers are in, return the seat until it locks.

#### Using and stowing the ottoman (second captain seats only)

#### Using the ottoman

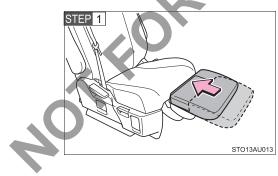


Pull the ottoman angle adjustment lever and adjust the ottoman to the desired angle.



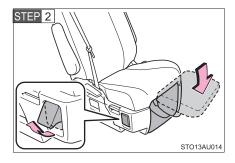
Slide the ottoman cushion to the desired position.

Stowing the ottoman



Slide the ottoman cushion to the most rearward position.

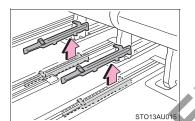
Before driving



Push the ottoman under the seat while pulling the ottoman angle adjustment lever.

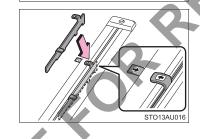
Make sure that the ottoman cushion is slid to the most rearward position before stowing the ottoman.

#### When sliding the second seats to the rear-most position (second captain seats only)



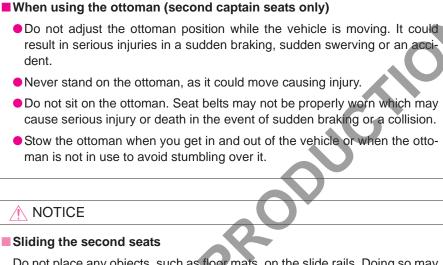
Remove the stoppers between the third seat and the second seat.

Stow the removed stoppers in the tool bag. ( $\rightarrow$ P, 459)



Install the stoppers by aligning their arrow marks with the arrow marks on the floor mat.

Seat adjustment
Be careful that the seat does not hit passengers or luggage.
<ul> <li>To reduce the risk of sliding under the lap belt during a collision, do not recline the seat more than necessary.</li> <li>If the seat is too reclined, the lap belt may slide past the hips and apply restraint forces directly to the abdomen, or your neck may contact the shoulder belt, increasing the risk of death or serious injury in the event of an accident.</li> <li>Adjustments should not be made while driving as the seat may unexpectedly move and cause the driver to lose control of the vehicle.</li> </ul>
When getting in and out of the vehicle from the third seats
<ul> <li>Make sure the second seats are securely locked after returning the sec ond seats.</li> </ul>
Be careful that the seat does not hit passengers or luggage.
Be careful not to get your hands or feet caught in the second seats.
<ul> <li>Never allow anyone to rest their foot on the release pedal while the vehicle is moving.</li> </ul>
After returning the rear seatback to the original position
Observe the following precautions. Failure to do so may result in death o serious injury.
<ul> <li>Make sure the seatback is securely locked by pushing it forward and rear ward.</li> </ul>
Check that the seat belts are not twisted or caught in the seatback.
When adjusting the seat positions or the ottoman (second captain seats only)
Make sure to leave enough space around the feet so as not to get them caught.



**CAUTION** 

#### Sliding the second seats

Do not place any objects, such as floor mats, on the slide rails. Doing so may damage the floor mats or rails when the seat is slid.

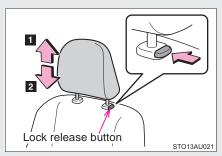
#### To prevent an ottoman malfunction (second captain seats only)

- Do not place any objects in the second passenger footwell that could prevent the operation of the ottoman.
- Do not place heavy luggage on the ottoman.
- Do not place anything under the ottoman when in use. There is a possibility that something may get caught and cause damages when stowing the ottoman.



### 1-3. Adjustable components (seats, mirrors, steering wheel) Head restraints

#### Front seats, second center seat (bench seat) and third seats



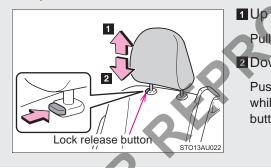
#### 1 Up

Pull the head restraint up.

#### 2 Down

Push the head restraint down while pushing the lock release button.

#### Second seats (captain seat) and second outer seats (bench seat)

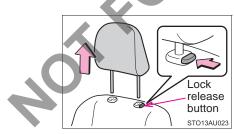


Pull the head restraint up.

#### 2 Down

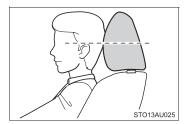
Push the head restraint down while pushing the lock release button.

#### Removing the head restraints



Pull the head restraint up while pressing the lock release button.

Adjusting the height of the front seats, second seats (captain seat) and second outer seats (bench seat) head restraints



Make sure that the head restraints are adjusted so that the center of the head restraint is closest to the top of your ears.

### Adjusting the second center seat (bench seat) and third seats head restraints

Always raise the head restraint one level from the stowed position when using.

#### **CAUTION**

#### Head restraint precautions

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

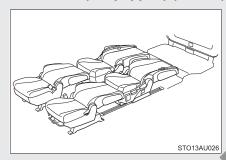
- Use the head restraints designed for each respective seat.
- Adjust the head restraints to the correct position at all times.
- After adjusting the head restraints, push down on them and make sure they are locked in position.
- Do not drive with the head restraints removed.

# 1-3. Adjustable components (seats, mirrors, steering wheel) **Seat arrangement**

The seats can be arranged to fit your needs. Please follow the instructions when arranging them.

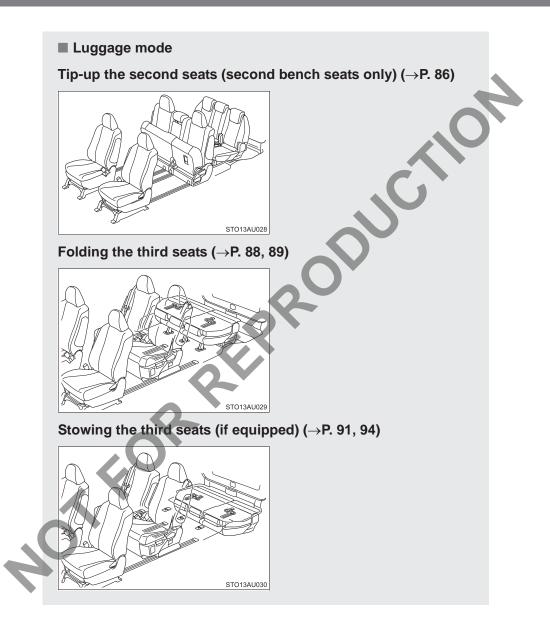
Flattening the seats

Flattening the front seats and second seats and stowing the third seats (if equipped) ( $\rightarrow$ P. 84)

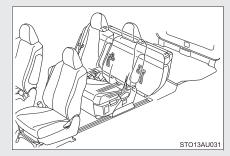


Flattening the second seats and third seats ( $\rightarrow$ P. 85)



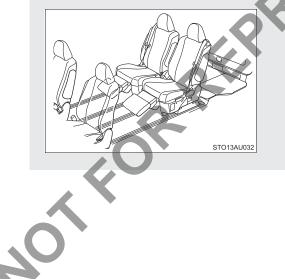


Tumbling the third seats (if equipped) ( $\rightarrow$ P. 96)



Super relax mode (vehicles with second captain seats and stowable third seats)

Comfortable space for the occupants of the second seats  $(\rightarrow P. 98)$ 



#### Flattening the front seats and second seats and stowing the third seats (if equipped)

STEP 1 Make sure to stop the vehicle and apply the parking brake.

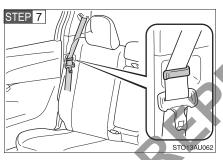
STEP 2 Stow the third seats. ( $\rightarrow$ P. 91, 94)

STEP 3 Slide the second seats rearward. ( $\rightarrow$ P. 70)

- STEP 4 Slide the front seats to the front-most position. ( $\rightarrow$ P. 67)
- STEP 5 Remove the head restraints from the front seats. ( $\rightarrow$  P. 79) Return the front seat armrests to its original position, if lowered.

(→P. 356)

STEP 6 Flatten the seatbacks of the front seats.  $(\rightarrow P. 67)$ 

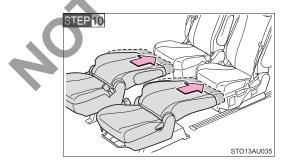


8-passenger models: Pass each seat belt on the second outer seats through the seat belt hanger clips.

STEP 8 7-passenger models: Slide the console box to the front-most position. (→P. 341)

STEP 9 7-passenger models: Slide both of the second seats sideways to the center. ( $\rightarrow$ P. 70)

Return the second seat armrests to its original position, if lowered. (->P. 356)



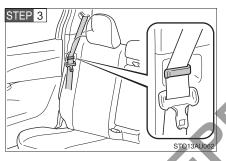
Adjust the front seats and the second seats to close the opening between the seats. STEP11 Flatten the seatbacks of the second seats.

Remove the head restraints from the second seats, if necessary. ( $\rightarrow$ P. 79)

#### Flattening the second seats and third seats

STEP 1 Make sure to stop the vehicle and apply the parking brake.

STEP 2 7-passenger models: Slide the console box to the front-most position. ( $\rightarrow$ P. 341)



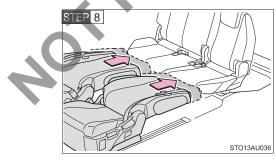
8-passenger models: Pass the each seat belt on the second side seats through the seat belt hanger clips.

STEP 4 Slide the second seats to the front-most position. ( $\rightarrow$ P. 70)

STEP 5 7-passenger models: Slide both of the second seats sideways to the center.  $(\rightarrow P, 70)$ 

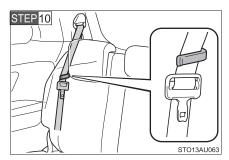
Return the second seat armrests to its original position, if lowered. ( $\rightarrow$ P. 356)

STEP 6 Remove the head restraints from the second seats. ( $\rightarrow$ P. 79) STEP 7 Flatten the seatback of the second seats. ( $\rightarrow$ P. 70)



Adjust the position of the second seats and the third seats to close the opening between the seats.

STEP 9 Lower the third seat head restraints to the lowest position. ( $\rightarrow$ P. 79) Before driving



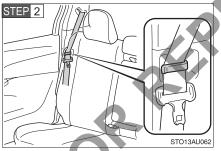
Pass each seat belt on the third outer seats through the seat belt hanger clips.

STEP11 Flatten the seatback of the third seats.  $(\rightarrow P, 72)$ 

#### Tip-up the second seats (second bench seats only)

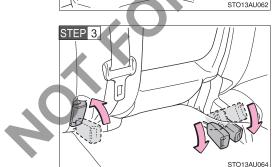
#### Before tip-up the second seats

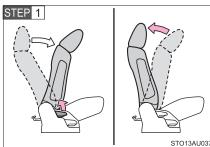
STEP 1 Make sure to stop the vehicle and apply the parking brake.



Pass each seat belt on the second outer seats through the seat belt hanger clips.

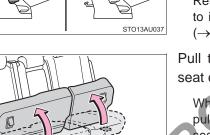
Stow the seat belt buckles for the second seats.





STEP 2

#### ■ Tip-up the second seats



STO13AU03

Fold the seatback forward while pulling the seatback adjustment lever and push the seat back rearward until it locks.

Make sure it is securely locked.

Return the second seat armrests to its original position, if lowered.  $(\rightarrow P. 356)$ 

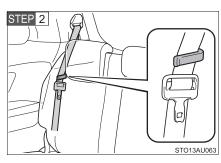
Pull the tip-up lever and lift the seat cushion until it locks.

When returning the second seat, pull the tip-up lever and push the seat cushion downward until it locks.

#### Folding the third seats (manual seat)

#### Before folding the third seats

STEP 1 Make sure to stop the vehicle and apply the parking brake.



Pass each seat belt on the third outer seats through the seat belt hanger clips.

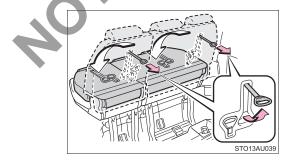
STEP 3

Stow the seat belt buckles for the third seats.

STEP 4 Lower the third seat head restraints to the lowest position.  $(\rightarrow P. 79)$ 

STEP 5 Adjust the second seats so they are not hit by the third seats when folded.

Folding the third seatbacks

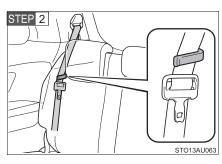


Unlock the seatback by pulling the seatback angle adjustment strap and fold it down.

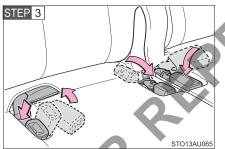
#### Folding the third seats (power seat)

#### Before folding the third seats

STEP 1 Make sure to stop the vehicle and apply the parking brake.



Pass each seat belt on the third outer seats through the seat belt hanger clips.

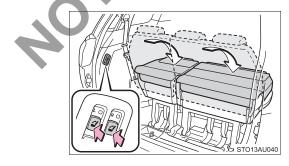


Stow the seat belt buckles for the third seats.

STEP 4 Lower the third seat head restraints to the lowest position.  $(\rightarrow P, 79)$ 

STEP 5 Adjust the second seats so they are not hit by the third seats when folded.

Folding the third seatbacks

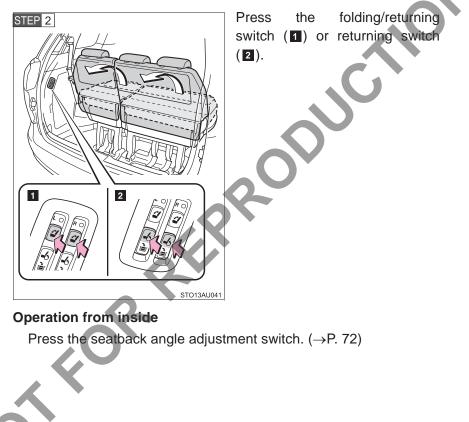


Press the folding/returning switch.

#### Returning the third seatbacks

#### **Operation from outside**

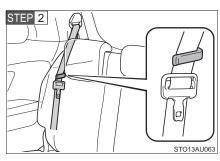
STEP 1 Adjust the second seats so they are not hit by the third seats when returned.



#### Stowing the third seats (manual seat)

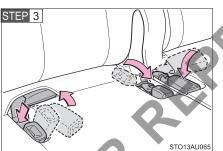
#### Before stowing the third seats

STEP 1 Make sure to stop the vehicle and apply the parking brake.



Pass each seat belt on the third outer seats through the seat belt hanger clips.

Stow the seat belt buckles for the third seats.

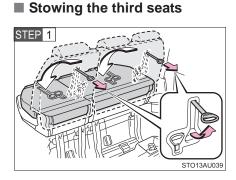


STEP 4 Lower the third seat head restraints to the lowest position.  $(\rightarrow P. 79)$ 

STEP 5 Stow the cargo hooks.  $(\rightarrow P. 361)$ 

STEP 6 Adjust the second seats so they are not hit by the third seats when stowed.

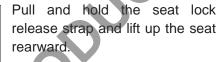
Before driving

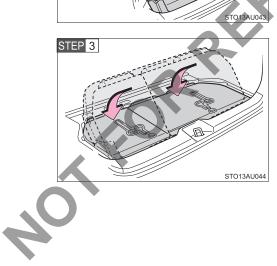


STEP 2

Fold the seatback forward while pulling the seatback angle adjustment strap. Then, push the seatback downward until it locks.

If the third seats cannot be lift up.  $(\rightarrow P. 99)$ 



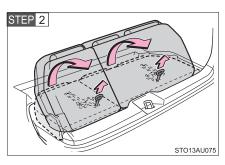


Push the seat against the floor and make sure it is locked securely.

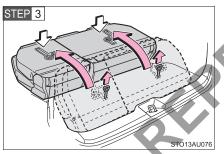
#### Returning the third seats

STEP 1 Adjust the second seat so they are not hit by the third seats when returned.

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Pull and hold the seat lock release strap, then lift up the seat rearward.



STEP 4

Push the seat forward and then engage the front leg locks.

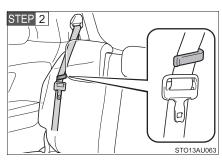
Make sure the front legs are locked securely.

Pull the seatback angle adjustment strap and raise the seatback.

#### Stowing the third seats (power seat)

#### Before stowing the third seats

STEP 1 Make sure to stop the vehicle and apply the parking brake.



Pass each seat belt on the third outer seats through the seat belt hanger clips.

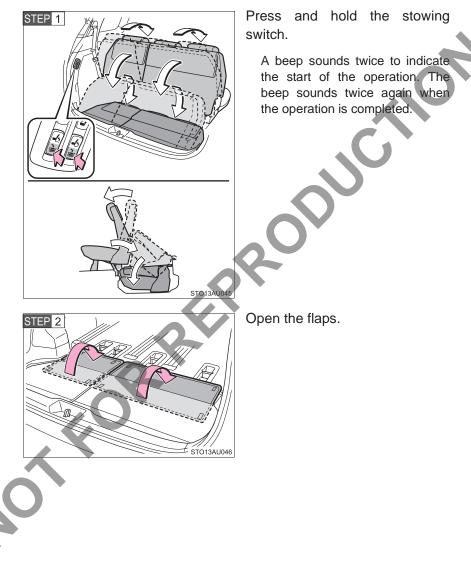
STEP 3

Stow the seat belt buckles for the third seats.

STEP 4 Lower the third seat head restraints to the lowest position.  $(\rightarrow P. 79)$ 

STEP 5 Stow the cargo hooks.  $(\rightarrow P. 361)$ 

STEP 6 Adjust the second seats so they are not hit by the third seats when stowed.

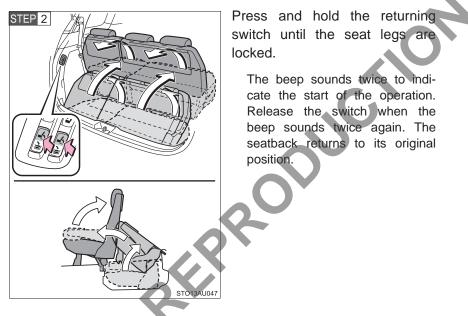


#### Stowing the third seats

Before driving

#### Returning the third seats

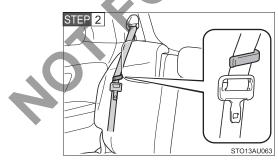
STEP 1 Adjust the second seats so they are not hit by the third seats when returned.



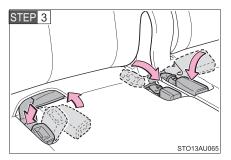
#### Tumbling the third seats (if equipped)

#### Before tumbling the third seats

STEP 1 Make sure to stop the vehicle and apply the parking brake.



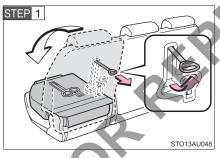
Pass each seat belt on the third outer seats through the seat belt hanger clips.



Stow the seat belt buckles for the third seats.

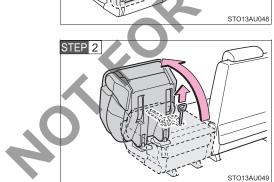
- STEP 4 Lower the third seat head restraints to the lowest position. ( $\rightarrow$ P. 79)
- STEP 5 Adjust the second seats so they are not hit by the third seats when tumbled.  $(\rightarrow P. 70)$

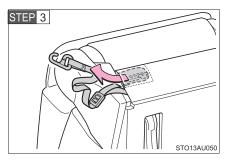
#### Tumbling the third seats



Unlock the seatback by pulling the seatback angle adjustment strap and fold it down.

Unlock the seat cushion by pulling the seat lock release strap. Swing the whole seat up and forward.





STEP 4

Take the holding strap out of the pocket.

Latch the hook onto the head restraint of the second seat and tug the holding strap to securely fasten it.

> When sliding the second seat, be sure to adjust the length of the holding strap until fasten it securely.

Before returning the seat to its original position, be sure to return the holding strap to its pocket.

#### Super relax mode (if equipped)

STEP 1 Make sure to stop the vehicle and apply the parking brake.

STEP 2 Stow the third seats. ( $\rightarrow$ P. 91, 94)

STEP 3 Slide both of the second seats sideways to the center. ( $\rightarrow$ P. 70)

STEP 4 Remove the seat slide stoppers. ( $\rightarrow$ P. 76)

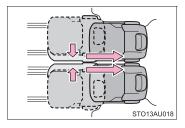
STEP 5 Slide back the second seats to the rear-most position.

(→P. 70)

STEP 6 Pull up the ottomans. ( $\rightarrow$ P. 75)

#### When returning the seats

- STEP 1 Make sure the seats are securely locked by pushing them forward and reward.
- STEP 2 Remove the secured seat belts from the seat belt hangers.
- Slide the second seats (vehicles with second captain seats and stowable third seats)



When the third seats are stored and the second seats are in the most center position, the second seats can be moved rearward as shown in the illustration.

## If the third seats cannot be lifted up when stowed (manual third seats only)

If the seat does not lift up when the seat lock release strap is pulled, reset in accordance with the following procedure.

STEP 1 Lift the seatback by pulling on the seatback angle adjustment strap.

STEP 2 Push the seatback down again.

#### Folding/stowing the third seats (power third seats only)

The seat operation stops in the following situations. The indicator may flash or come on and the buzzer may sound.

Folding operation: If the indicator light above the switches flashes three times when the folding/returning switch is pressed, the folding operation will not start.

Make sure the "ENGINE START STOP" switch is set at ACCESSORY mode, set off or the shift lever is in P position then press the folding/ returning switch.

 Unfolding operation: If the indicator light above the switches flashes three times when the folding/returning switch, returning switch, or seatback angle adjustment switch is pressed, the returning operation will not start. Operation from outside only: Make sure the "ENGINE START STOP" switch is set at ACCESSORY mode, set off or the shift lever is in P position then lock the seat legs and press any switch other than the stowing switch.

Folding/unfolding operation: To continue the folding operation, the seatback must be returned to its original position first.

• Stowing operation: If the indicator light above the switches flashes when the stowing switch is pressed, the stowing operation will not start. Make sure the "ENGINE START STOP" switch is set at ACCESSORY mode, set off or the shift lever is in P position then press and hold the stowing switch.

• Unstowing operation: If the indicator light above the switches flashes when the returning switch is pressed, the returning operation will not start.

Make sure the "ENGINE START STOP" switch is set at ACCESSORY mode, set off or the shift lever is in P position then press and hold the returning switch.

If the engine is started during the operation, the seat operation may also stop.

- If any of the following conditions occur while the seat is operating, the seat operation will stop. The indicator light above the switches will come on and a beep will sound for about 10 seconds.
  - Folding/unfolding operation: Any one of the power third seat switch is pressed while operating the folding switch.

Unstowing operation: When the returning switch is released before the seat legs are securely locked.

Stowing/unstowing operation: Other power third seats switch is pressed while operating the stowing switch.

- Stowing/unstowing operation: The shift lever is moved from P when the "ENGINE START STOP" switch is in IGNITION ON mode.
- Stowing operation: When the stowing switch is released.

- If any of the following conditions occur while the seat is operating, the seat operation will stop. The indicator light above the switches will flashes and a beep will sound for about 10 seconds.
  - Stowing/folding operation: An object is caught between the seatback and seat cushion. Remove the object before operating the seat again. If the indicator light above the switches flashes even though there are no objects between the seatback and seat cushion, contact your Toyota dealer.
  - Stowing/unstowing operation: If an object is caught between the seat and floor, the object prevents the seat from moving. Do not continue the operation. Remove the object before operating the seat again. When the seat is already folded, the seat can be stowed using the same procedure. If an object is caught between the seatback and seat cushion, the stowing operation will not start.

#### ■ "3RD SEAT" warning light (power third seats only)

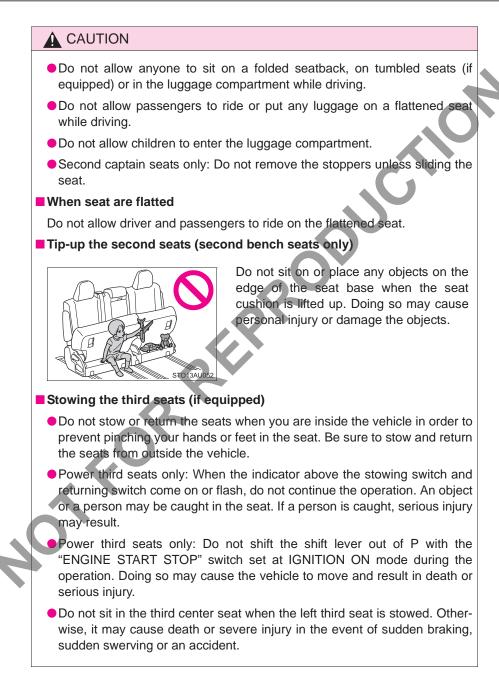
→P. 456

#### **CAUTION**

#### Seat arrangement

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

- Do not arrange the seat positions while driving.
- Stop the vehicle on level ground, set the parking brake and shift the shift lever to P.
- Do not arrange the seat positions when passengers are seated.
- Be careful not to get your hands or feet caught in the movable parts or the connected parts.
- •Be careful that the seat does not hit a passenger or luggage.
- Make sure the seat is securely locked by pushing it forward and rearward.
- Check that the seat belts and the buckles are not twisted or caught in the seats after arranging the seat positions.
- Tumbling the third seats: After tumbling the third seats, be sure to hold it by the holding strap.



#### **CAUTION**



• Manual third seats only: Do not sit on the third seats when it is the stowed position as shown in the illustration. Otherwise, it may cause death or severe injury in the event of sudden braking, sudden swerving or an accident.

#### Folding the third seats

- Do not fold or return (except for the seatback angle adjustment switch) the seats when you are inside the vehicle in order to prevent pinching your hands or feet in the seat. Be sure to fold and return the seats from outside the vehicle.
- Power third seats only: When the indicator above the stowing switch and returning switch come on or flash, do not continue the operation. An object or a person may be caught in the seat. If a person is caught, serious injury may result.
- Power third seats only: Do not shift the shift lever out of P with the "ENGINE START STOP" switch set at IGNITION ON mode during the operation. Doing so may cause the vehicle to move and result in death or serious injury.

#### Tumbling the third seats (if equipped)

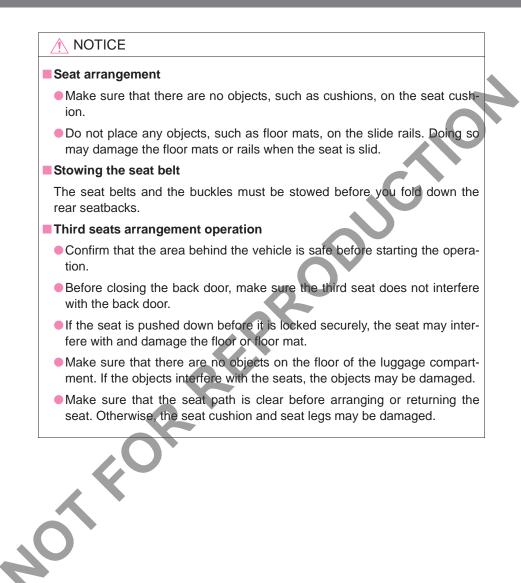
Do not tumble or return the seats when you are inside the vehicle in order to prevent pinching your hands or feet in the seat. Be sure to tumble and return the seats from outside the vehicle.

 Operate the seat lock release strap while pushing down on the seatback to prevent the seat from springing up and causing injury.

#### After returning the seat to the original position

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

- Make sure the seat is securely locked by pushing it forward and rearward.
- Check that the seat belts and the buckles are not twisted or caught in the seats.
- Be certain to replace the head restraint.



# 1-3. Adjustable components (seats, mirrors, steering wheel) **Seat belts**

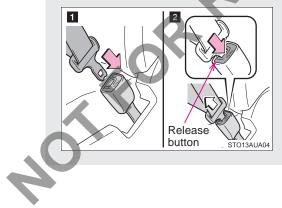
Make sure that all occupants are wearing their seat belts before driving the vehicle.

#### Correct use of the seat belts



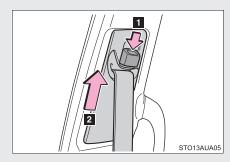
- Extend the shoulder belt so that it comes fully over the shoulder, but does not come into contact with the neck or slide off the shoulder.
- Position the lap belt as low as possible over the hips.
  - Adjust the position of the seatback. Sit up straight and well back in the seat.
- Do not twist the seat belt.

#### Fastening and releasing the seat belt



- To fasten the seat belt, push the plate into the buckle until a click sound is heard.
- **2** To release the seat belt, press the release button.

#### Adjusting the seat belt shoulder anchor height (front seats)

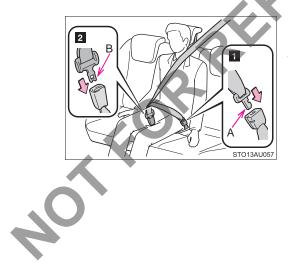


- Push the seat belt shoulder anchor down while pressing the release button.
- 2 Push the seat belt shoulder anchor up.

Move the height adjuster up and down as needed until you hear a click.

#### Third center seat belt

The third center seat belt is a 3-point type restraint with 2 buckles. Both seat belt buckles must be correctly located and securely latched for proper operation.

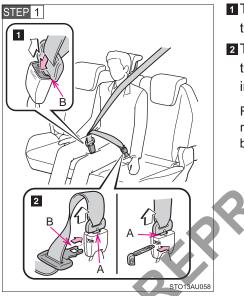


Make sure that the buckle **1** is securely latched ready for use of the center seat belt.

- Matches the tab with hooked end (tab "A").
- 2 Matches the tab with concave end (tab "B").

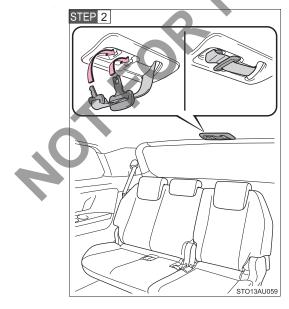
#### Release method

The third center seat belt can be completely released only when necessary such as when folding down the third seat.



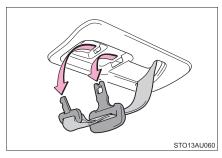
- **1** To release the tab "B", press the release button.
- To release the tab "A", insert the mechanical key or tab "B" into the hole on the buckle.

Retract the belt slowly when releasing and stowing the seat belt.



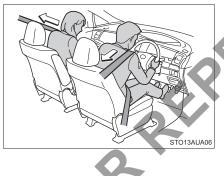
Stow the seat belt tabs in the cover set in the roof as shown.

Extracting the belt



Remove the tabs from the cover.

## Seat belt pretensioners (front seats)



The pretensioner helps the seat belt to quickly restrain the occupant by retracting the seat belt when the vehicle is subjected to certain types of severe frontal collision.

The pretensioner does not activate in the event of a minor frontal impact, a side impact, a rear impact or a vehicle rollover.

## Emergency locking retractor (ELR)

The retractor will lock the belt during a sudden stop or on impact. It may also lock if you lean forward too quickly. A slow, easy motion will allow the belt to extend so that you can move around fully.

#### Child seat belt usage

The seat belts of your vehicle were principally designed for persons of adult size.

- ●Use a child restraint system appropriate for the child, until the child becomes large enough to properly wear the vehicle's seat belt. (→P. 141)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions on P. 105 regarding seat belt usage.

#### Replacing the belt after the pretensioner has been activated

If the vehicle is involved in multiple collisions, the pretensioner will activate for the first collision, but will not activate for the second or subsequent collisions.

#### Seat belt regulations

If seat belt regulations exist in the country where you reside, please contact your Toyota dealer for seat belt replacement or installation.

## A CAUTION

Observe the following precautions to reduce the risk of injury in the event of sudden braking, sudden swerving or an accident. Failure to do so may cause death or serious injury.

#### Wearing a seat belt

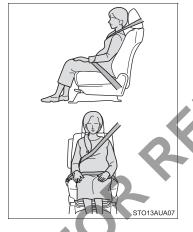
- Ensure that all passengers wear a seat belt.
- Always wear a seat belt properly.
- Each seat belt should be used by one person only. Do not use a seat belt for more than one person at once, including children.
- Toyota recommends that children be seated in the rear seat and always use a seat belt and/or an appropriate child restraint system.
- To achieve a proper seating position, do not recline the seat more than necessary. The seat belt is most effective when the occupants are sitting up straight and well back in the seats.
- Do not wear the shoulder belt under your arm.
- Always wear your seat belt low and snug across your hips.





 Always wear the belt with the shoulder portion over the outside armrest and the lap portion under the outside armrest.

Pregnant women



Obtain medical advice and wear the seat belt in the proper way.  $(\rightarrow P. 105)$ 

Women who are pregnant should position the lap belt as low as possible over the hips in the same manner as other occupants. Extend the shoulder belt completely over the shoulder and position the belt across the chest. Avoid belt contact over the rounding of the abdominal area.

If the seat belt is not worn properly, not only the pregnant woman, but also the fetus could suffer death or serious injury as a result of sudden braking or a collision.

## People suffering illness

Obtain medical advice and wear the seat belt in the proper way.  $(\rightarrow P. 105)$ 

#### When children are in the vehicle

Do not allow children to play with the seat belt. If the seat belt becomes twisted around a child's neck, it may lead to choking or other serious injuries that could result in death.

If this occurs and the buckle cannot be unfastened, scissors should be used to cut the belt.

#### Seat belt pretensioners

If the pretensioner has activated, the SRS warning light will come on. In that case, the seat belt cannot be used again and must be replaced at your Toyota dealer.

#### Adjustable shoulder anchor

Always make sure the shoulder belt is positioned across the center of your shoulder. The belt should be kept away from your neck, but not falling off your shoulder. Failure to do so could reduce the amount of protection in an accident and cause death or serious injuries in the event of a sudden stop, sudden swerve or accident. ( $\rightarrow$ P. 106)

#### Seat belt damage and wear

- Do not damage the seat belts by allowing the belt, plate, or buckle to be jammed in the door.
- Inspect the seat belt system periodically. Check for cuts, fraying, and loose parts. Do not use a damaged seat belt until it is replaced. Damaged seat belts cannot protect an occupant from death or serious injury.
- Ensure that the belt and plate are locked and the belt is not twisted. If the seat belt does not function correctly, immediately contact your Toyota dealer.
- Replace the seat assembly, including the belts, if your vehicle has been involved in a serious accident, even if there is no obvious damage.
- Do not attempt to install, remove, modify, disassemble or dispose of the seat belts. Have any necessary repairs carried out by your Toyota dealer. Inappropriate handling of the pretensioner may prevent it from operating properly, resulting in death or serious injury.



#### When using the third center seat belt



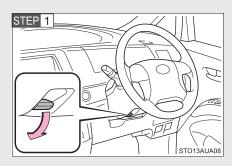
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Do not use the third center seat belt with either buckle released.

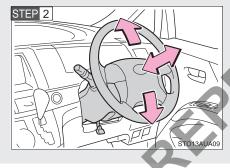
Fastening only one of the buckles may result in death or serious injury in case of sudden braking or a collision.

# 1-3. Adjustable components (seats, mirrors, steering wheel) **Steering wheel**

## The steering wheel can be adjusted to a comfortable position.



Hold the steering wheel and push the lever down.



Adjust to the ideal position by moving the steering wheel horizontally and vertically.

After adjustment, pull the lever up to secure the steering wheel.

## 

#### While driving

Do not adjust the steering wheel while driving. Doing so may cause the driver to mishandle the vehicle and cause an accident, resulting in death or serious injury.

## After adjusting the steering wheel

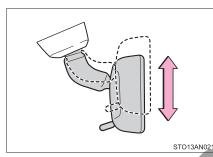
Make sure that the steering wheel is securely locked.

Otherwise, the steering wheel may move suddenly, possibly causing an accident, and resulting in death or serious injury.

## 1-3. Adjustable components (seats, mirrors, steering wheel) Anti-glare inside rear view mirror

The rear view mirror's position can be adjusted to enable sufficient confirmation of the rear view in accordance with the driver's seating posture.

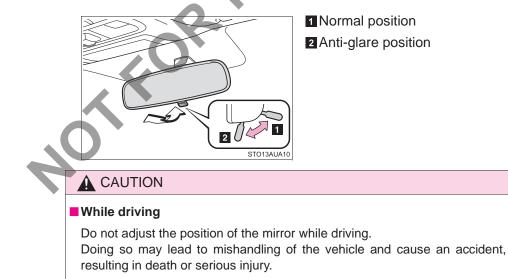
## Adjusting the height of rear view mirror



Adjust the height of the rear view mirror by moving it up and down.

## Anti-glare function

Reflected light from the headlights of vehicles behind can be reduced by operating the lever.



## 1-3. Adjustable components (seats, mirrors, steering wheel) Outside rear view mirrors

## To select a mirror to adjust, STEP 1 press the switch. 1 Left 2 Right 1 2 STO13AUA11 To adjust the mirror, press the STEP 2 switch. 1 Up - 1 2 Right 4 3 Down 4 Left STO13AUA12 Folding the mirrors Push the mirror back in the direction of the vehicle's rear.

#### Mirror angle can be adjusted using the switch.

## Mirror operating conditions

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

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Before driving

#### When driving the vehicle

Observe the following precautions while driving. Failure to do so may result in loss of control of the vehicle and cause an accident, resulting in death or serious injury.

Do not adjust the mirrors while driving.

- Do not drive with the mirrors folded.
- Both the driver and passenger side mirrors must be extended and properly adjusted before driving.

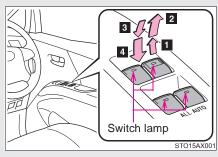
### When a mirror is moving

To avoid personal injury and mirror malfunction, be careful not to get your hand caught by the moving mirror.

# 1-4. Opening and closing the windows and moon roofs and sunshades **Power windows**

## The power windows can be opened and closed using the switches.

Operating the switch moves the windows as follows:



1 Closing

2 One-touch closing*

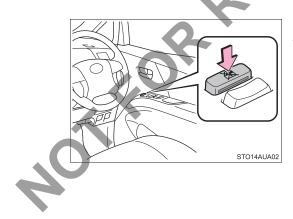
3 Opening

4 One-touch opening

*: To stop the window partway, operate the switch in the opposite direction.

When the "ENGINE START STOP" switch is in IGNITION ON mode, the switch lamp comes on. When the "ENGINE START STOP" switch is turned to ACCESSORY mode or turned off, the switch lamp turns off.

Window lock switch



Press the switch down to lock the passenger window switches and the rear sunshade switch (if equipped).

Use this switch to prevent children from accidentally opening or closing the passenger windows and the rear sunshade (if equipped).

#### The power windows can be operated when

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

#### Operating the power windows after turning the engine off

The power windows can be operated for approximately 43 seconds even after the "ENGINE START STOP" switch is turned to ACCESSORY mode or turned off. They cannot, however, be operated once either front door is opened.

At this time, the switch lamp does not turn on.

#### Jam protection function

If an object becomes caught between the window and the window frame, window travel is stopped and the window is opened slightly.

#### If the battery is disconnected when opening and closing the window

The power windows must be initialized in order to ensure proper operation. (Perform for each window with the switch for each seat.)

STEP 1 Turn the "ENGINE START STOP" switch to IGNITION ON mode.

STEP 2 Fully close the window by pulling the switch up and continue holding the switch for 1 second.

The indicator on the switch changes from a flashing pattern to being on when initial settings are complete.

#### Closing the windows

Observe the following precautions.

Failure to do so may result in death or serious injury.

- The driver is responsible for all the power window operations, including the operation for the passengers. In order to prevent accidental operation, especially by a child, do not let a child operate the power windows. It is possible for children and other passengers to have body parts caught in the power window. Also, when riding with a child, it is recommended to use the window lock switch. ( $\rightarrow$ P. 117)
- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when a window is being operated.
- When exiting the vehicle, turn the "ENGINE START STOP" switch off, carry the key and exit the vehicle along with the child. There may be accidental operation, due to mischief, etc., that may possibly lead to an accident.

## Jam protection function

- Never use any part of your body to intentionally activate the jam protection function.
- The jam protection function may not work if something gets caught just before the window fully closes.

# 1-4. Opening and closing the windows and moon roofs and sunshades $Moon\ roofs^*$

The front moon roof is operated manually to tilt up and down. However, the rear moon roof cannot be operated.

Push the button.

Push the handle up.

Tilting up the front moon roof



STEP 2

Tilting down the front moon roof



Pull down the handle until it locks.

#### Sunshades

The front sunshade is opened and closed manually. However, the rear sunshade is operated automatically.  $(\rightarrow P. 122)$ 

## **CAUTION**

#### Tilting up the front moon roof

Do not allow any passengers to put their hands outside the vehicle while it is moving. Failure to do so may result in death or serious injury.

#### Tilting down the front moon roof

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

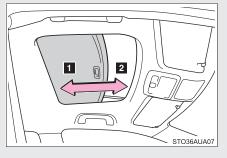
- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when the front moon roof is being operated.
- Do not allow children to operate the front moon roof.
   Closing the front moon roof on someone can cause death or serious injury.
   The driver is responsible for instructing children not to operate the moon roofs.



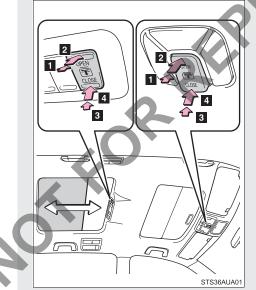
# 1-4. Opening and closing the windows and moon roofs and sunshades **Sunshades**^{*}

The front sunshade can be opened and closed manually. The rear sunshade can be opened and closed by operating the rear sunshade switches.

### Front sunshade



## Rear sunshade



## 1 Opening

1 Open 2 Close

- Automatic full-opening (press and hold)*
- 3 Closing
- Automatic full-closing (press and hold)*

*: Pressing either side of the switch will stop the rear sun-shade travel partway.

## The rear sunshade can be operated when The "ENGINE START STOP" switch is IGNITION ON mode. However, the rear sunshade cannot be operated if the window lock switch is pressed. Jam protection function If an object is detected between the rear sunshade and the frame while closing, travel is stopped and the rear sunshade opens slightly. When the rear sunshade does not close normally Perform the following procedure: STEP 1 Stop the vehicle. STEP 2 Press and hold the "CLOSE" switch.* The rear sunshade will repeat the opening/closing operation. STEP 3 Check to make sure that the rear sunshade is completely closed and then release the switch.

*: If the switch is released at the incorrect time, the procedure will have to be performed again from the beginning.

If the rear sunshade does not fully close even after performing the above procedure correctly, have the vehicle inspected by your Toyota dealer.

## 

## Closing the sunshade

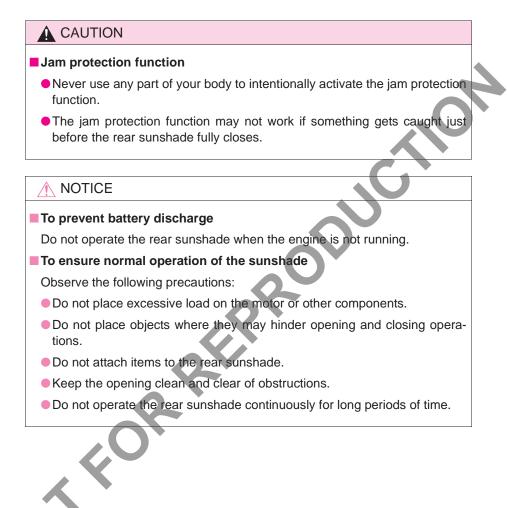
Observe the following precautions.

Failure to do so may result in death or serious injury.

 Check to make sure that all passengers do not have any part of their body in a position where it could be caught when the rear sunshade is being operated.

Do not allow children to operate the rear sunshade.

Closing the rear sunshade on someone can cause death or serious injury. The driver is responsible for instructing children not to operate the sunshades.



## 1-5. Refueling Opening the fuel tank cap

Perform the following steps to open the fuel tank cap:

## Before refueling the vehicle

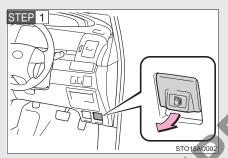
• Turn the "ENGINE START STOP" switch off and ensure that all the doors and windows are closed.

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• Confirm the type of fuel. ( $\rightarrow$ P. 126)

## Opening the fuel tank cap



STEP 2

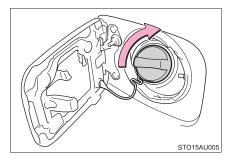
STEP 3

Pull up the opener to open the fuel filler door.

Turn the fuel tank cap slowly to open.

Hang the fuel tank cap on the back of the fuel filler door.

## Closing the fuel tank cap



After refueling, turn the fuel tank cap until you hear a click. Once the cap is released, it will turn slightly in the opposite direction.

#### Fuel types

2AZ-FE engine:

Unleaded gasoline (Research Octane Number of 91 or higher)

2GR-FE engine:

Premium unleaded gasoline (Research Octane Number of 95 or higher)

#### Use of ethanol blended gasoline in a gasoline engine

Toyota allows the use of ethanol blended gasoline where the ethanol content is up to 10%. Make sure that the ethanol blended gasoline to be used has a Research Octane Number that follows the above.

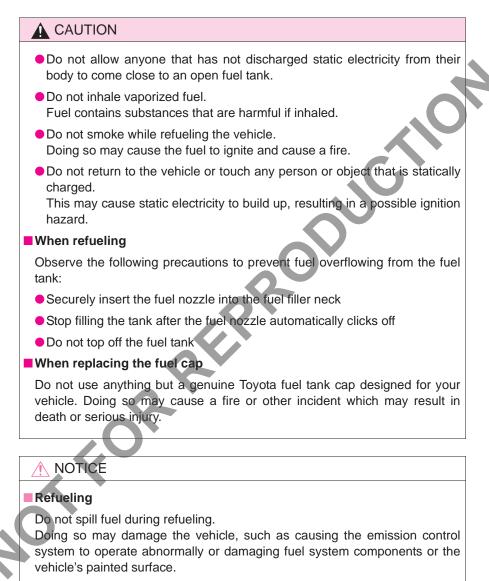
## **CAUTION**

## When refueling the vehicle

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

After exiting the vehicle and before opening the fuel door, touch an unpainted metal surface to discharge any static electricity. It is important to discharge static electricity before refueling because sparks resulting from static electricity can cause fuel vapors to ignite while refueling.

Always hold the grips on the fuel tank cap and turn it slowly to remove it. A whooshing sound may be heard when the fuel tank cap is loosened. Wait until the sound cannot be heard before fully removing the cap. In hot weather, pressurized fuel may spray out the filler neck and cause injury.



#### Opening the fuel filler door

Avoid opening the fuel filler door when the left side sliding door is fully opened. Otherwise, the fuel filler door may be damaged.

## 1-6. Theft deterrent system Engine immobilizer system

The vehicle's keys have built-in transponder chips that prevent the engine from starting if a key has not been previously registered in the vehicle's on-board computer.

Never leave the keys inside the vehicle when you leave the vehicle.

This system is designed to help prevent vehicle theft but does not guarantee absolute security against all vehicle thefts.



The indicator flashes after the "ENGINE START STOP" switch has been turned off to indicate that the system is operating.

The indicator stops flashing after the "ENGINE START STOP" switch has been turned to ACCESSORY or IGNITION ON mode to indicate that the system has been canceled.

### System maintenance

The vehicle has a maintenance-free type engine immobilizer system.

## Conditions that may cause the system to malfunction

If the grip portion of the key is in contact with a metallic object

If the key is in close proximity to or touching a key to the security system (key with a built-in transponder chip) of another vehicle

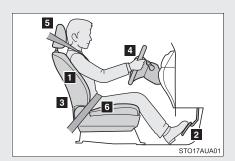
## 

#### To ensure the system operates correctly

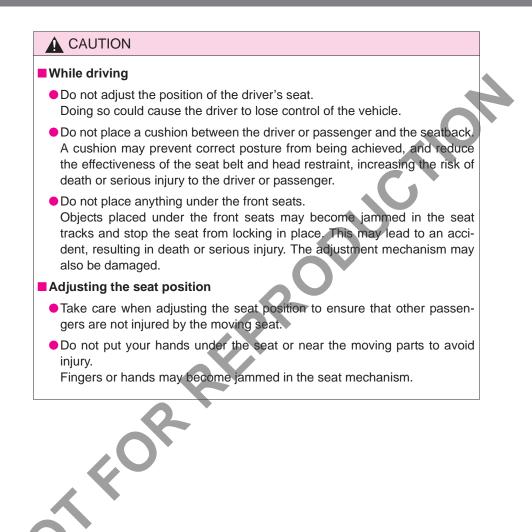
Do not modify or remove the system. If modified or removed, the proper operation of the system cannot be guaranteed.

## 1-7. Safety information Correct driving posture

## Drive with a good posture as follows:

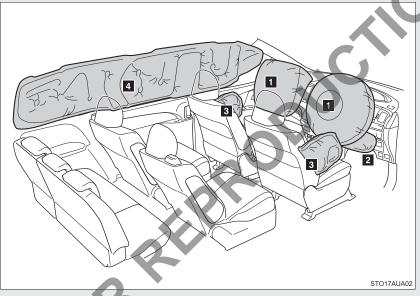


- Sit upright and well back in the seat.  $(\rightarrow P. 67)$
- Adjust the position of the seat forward or backward to ensure the pedals can be reached and easily depressed to the extent required. (→P. 67)
- Adjust the seatback so that the controls are easily operable. (→P. 67)
- Adjust the tilt and telescopic positions of the steering wheel downward so the airbag is facing your chest. (→P. 113)
- **5** Lock the head restraint in place with the center of the head restraint closest to the top of your ears. ( $\rightarrow$ P. 79)
- 6 Wear the seat belt correctly.  $(\rightarrow P. 105)$



# 1-7. Safety information **SRS airbags**

The SRS airbags inflate when the vehicle is subjected to certain types of severe impacts that may cause significant injury to the occupants. They work together with the seat belts to help reduce the risk of death or serious injury.



## SRS front airbags

SRS driver airbag/front passenger airbag Can help protect the head and chest of the driver and front passenger from impact with interior components

2 SRS driver knee airbag

Can help provide driver protection

## SRS side and curtain shield airbags

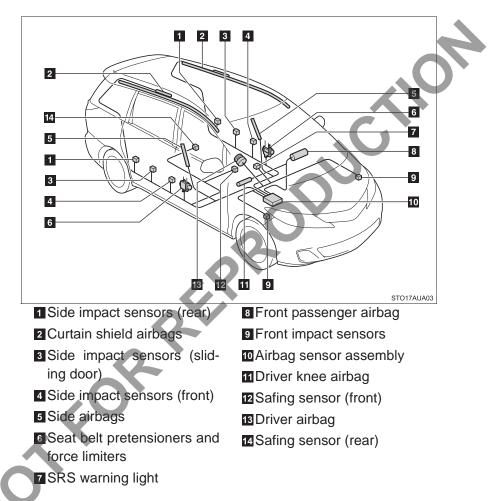
3 SRS side airbags

Can help protect the torso of the front seat occupants

4 SRS curtain shield airbags

Can help protect primarily the head of occupants in the outer seats

## SRS airbag system components



The main SRS airbag system components are shown above. The SRS airbag system is controlled by the airbag sensor assembly. As the airbags deploy, a chemical reaction in the inflators quickly fills the airbags with non-toxic gas to help restrain the motion of the occupants.

#### If the SRS airbags deploy (inflate)

- Bruising and slight abrasions may result from contact with a deploying (inflating) SRS airbag.
- A loud noise and white powder will be emitted.
- Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the front seats, parts of the front and rear pillars, and roof side rails, may be hot for several minutes. The airbag itself may also be hot.
- The windshield may crack.

#### SRS airbag deployment conditions (SRS front airbags)

• The SRS front airbags will deploy in the event of an impact that exceeds the set threshold level (the level of force corresponding to an approximately 20 - 30 km/h [12 - 18 mph] frontal collision with a fixed wall that does not move or deform).

However, this threshold velocity will be considerably higher in the following situations:

- If the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact
- If the vehicle is involved in an underride collision, such as a collision in which the front of the vehicle "underrides", or goes under, the bed of a truck

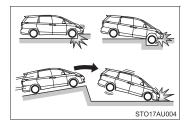
• Depending on the type of collision, it is possible that only the seat belt pretensioners will activate.

## SRS airbag deployment conditions (SRS side and curtain shield airbags)

The SRS side and curtain shield airbags will deploy in the event of an impact that exceeds the set threshold level (the level of force corresponding to the impact force produced by an approximately 1500 kg [3300 lb.] vehicle colliding with the vehicle cabin from a direction perpendicular to the vehicle orientation at an approximate speed of 20 - 30 km/h [12 - 18 mph]).

## Conditions under which the SRS airbags may deploy (inflate), other than a collision

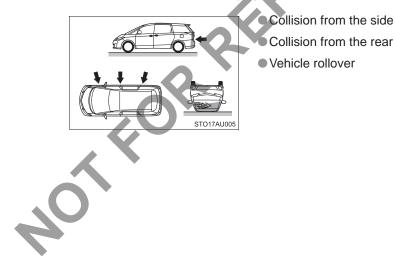
The SRS front airbags may also deploy if a serious impact occurs to the underside of your vehicle. Some examples are shown in the illustration.



- Hitting a curb, edge of pavement or hard surface
- Falling into or jumping over a deep hole
- Landing hard or falling

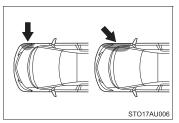
## Types of collisions that may not deploy the SRS airbags (SRS front airbags)

The SRS front airbags do not generally inflate if the vehicle is involved in a side or rear collision, if it rolls over, or if it is involved in a low-speed frontal collision. But, whenever a collision of any type causes sufficient forward deceleration of the vehicle, deployment of the SRS front airbags may occur.



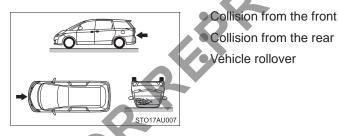
## Types of collisions that may not deploy the SRS airbags (SRS side and curtain shield airbags)

The SRS side and curtain shield airbags may not activate if the vehicle is subjected to a collision from the side at certain angles, or a collision to the side of the vehicle body other than the passenger compartment.



- Collision from the side to the vehicle body other than the passenger compartment
- Collision from the side at an angle

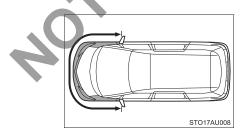
The SRS side and curtain shield airbags do not generally inflate if the vehicle is involved in a frontal or rear collision, if it rolls over, or if it is involved in a low-speed side collision.



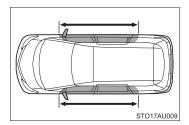
## When to contact your Toyota dealer

In the following cases, the vehicle will require inspection and/or repair. Contact your Toyota dealer as soon as possible.

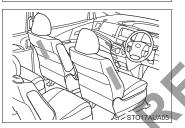
Any of the SRS airbags have been inflated.



The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS front airbags to inflate.



- A portion of a door is damaged or deformed, or the vehicle was involved in an accident that was not severe enough to cause the SRS side and curtain shield airbags to inflate.
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- The pad section of the steering wheel, dashboard near the front passenger airbag or lower portion of the instrument panel is scratched, cracked, or otherwise damaged.
- The surface of the seats with the side airbag is scratched, cracked, or otherwise damaged.
- The portion of the front pillars, rear pillars or roof side rail garnishes (padding) containing the curtain shield airbags is inside scratched, cracked, or otherwise damaged.

#### SRS airbag precautions

Observe the following precautions regarding the SRS airbags. Failure to do so may cause death or serious injury.

 The driver and all passengers in the vehicle must wear their seat belts properly.

The SRS airbags are supplemental devices to be used with the seat belts.

• The SRS driver airbag deploys with considerable force, and can cause death or serious injury especially if the driver is very close to the airbag.

Since the risk zone for the driver's airbag is the first 50 - 75 mm (2 - 3 in.) of inflation, placing yourself 250 mm (10 in.) from your driver airbag provides you with a clear margin of safety. This distance is measured from the center of the steering wheel to your breastbone. If you sit less than 250 mm (10 in.) away now, you can change your driving position in several ways:

- Move your seat to the rear as far as you can while still reaching the pedals comfortably.
- Slightly recline the back of the seat. Although vehicle designs vary, many drivers can achieve the 250 mm (10 in.) distance, even with the driver seat all the way forward, simply by reclining the back of the seat somewhat. If reclining the back of your seat makes it hard to see the road, raise yourself by using a firm, non-slippery cushion, or raise the seat if your vehicle has that feature.
- If your steering wheel is adjustable, tilt it downward. This points the airbag toward your chest instead of your head and neck.

The seat should be adjusted as recommended above, while still maintaining control of the foot pedals, steering wheel, and your view of the instrument panel controls.

The SRS front passenger airbag also deploys with considerable force, and can cause death or serious injury especially if the front passenger is very close to the airbag. The front passenger seat should be as far from the airbag as possible with the seatback adjusted, so the front passenger sits upright.

#### SRS airbag precautions

Improperly seated and/or restrained infants and children can be killed or seriously injured by a deploying airbag. An infant or child who is too small to use a seat belt should be properly secured using a child restraint system. Toyota strongly recommends that all infants and children be placed in the rear seats of the vehicle and properly restrained. The rear seats are safer for infants and children than the front passenger seat. (->P. 141)





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• Do not sit on the edge of the seat or lean against the dashboard.

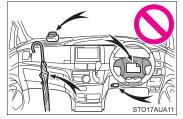
Do not allow a child to stand in front of the SRS front passenger airbag unit or sit on the knees of a front passenger.

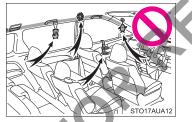
Do not allow the front seat occupants to hold items on their knees.

 Do not lean against the door, the roof side rail or the front, side and rear pillars.

#### SRS airbag precautions







- Do not allow anyone to kneel on the passenger seat toward the door or put their head or hands outside the vehicle.
- Do not attach anything to or lean anything against areas such as the dashboard, steering wheel pad and lower portion of the instrument panel.
  - These items can become projectiles when the SRS driver, front passenger and driver knee airbags deploy.
  - Do not attach anything to areas such as a door, windshield glass, front door glass, sliding door glass, front or rear pillar, roof side rail and assist grip.
- If a vinyl cover is put on the area where the SRS driver knee airbag will deploy, be sure to remove it.
- Do not use seat accessories which cover the parts where the SRS side airbags inflate as they may interfere with inflation of the airbags. Such accessories may prevent the side airbags from activating correctly, disable the system or cause the side airbags to inflate accidentally, resulting in death or serious injury.
- Do not strike or apply significant levels of force to the area of the SRS airbag components.

Doing so can cause the SRS airbags to malfunction.

## **CAUTION** SRS airbag precautions Do not touch any of the component parts immediately after the SRS airbags have deployed (inflated) as they may be hot. If breathing becomes difficult after the SRS airbags have deployed, open a door or window to allow fresh air in, or leave the vehicle if it is safe to do so. Wash off any residue as soon as possible to prevent skin irritation. If the areas where the SRS airbags are stored, such as the steering wheel pad and front and rear pillar garnishes, are damaged or cracked, have them replaced by your Toyota dealer. Modification and disposal of SRS airbag system components Do not dispose of your vehicle or perform any of the following modifications without consulting your Toyota dealer. The SRS arbags may malfunction or deploy (inflate) accidentally, causing death or serious injury. Installation, removal, disassembly and repair of the SRS airbags Repairs, modifications, removal or replacement of the steering wheel, instrument panel, dashboard, seats or seat upholstery, front, side and rear pillars or roof side rails. • Repairs or modifications of the front fender, front bumper, or side of the occupant compartment Installation of a grille guard (bull bars, kangaroo bar, etc.), snow plows or winches Modifications to the vehicle's suspension system Installation of electronic devices such as mobile two-way radios (RF-transmitter) and CD players

Toyota strongly urges the use of child restraint systems.

## Points to remember

Studies have shown that installing a child restraint on a rear seat is much safer than installing one on the front passenger seat.

- Choose a child restraint system that suits your vehicle and is appropriate to the age and size of the child.
- For installation details, follow the instructions provided with the child restraint system.
   General installation instructions are provided in this manual.
   (→P. 150)
- If child restraint system regulations exist in the country where you reside, please contact your Toyota dealer for the child restraint system installation.
- Toyota recommends that you use a child restraint system which conforms to the regulation ECE No.44.

## Types of child restraints

Child restraints systems are classified into the following 5 groups according to the regulation ECE No.44:

Group 0: Up to 10 kg (22 lb.) (0 - 9 months)

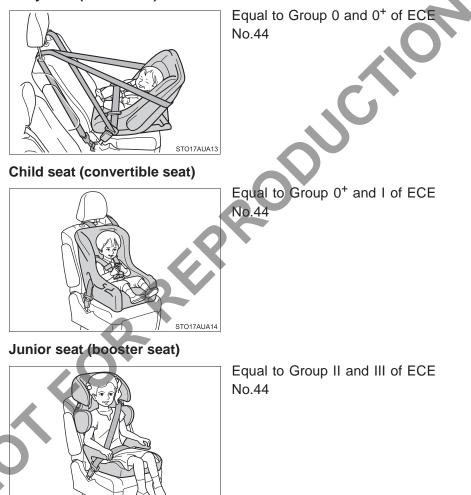
Group 0⁺: Up to 13 kg (28 lb.) (0 - 2 years)

Group I: 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)

Group II: 15 to 25 kg (34 to 55 lb.) (4 years - 7 years)

Group III: 22 to 36 kg (49 to 79 lb.) (6 years - 12 years)

In this owner's manual, the following 3 types of popular child restraint systems that can be secured with the seat belts are explained:



STO17AUA15

## Baby seat (infant seat)

## Child restraint system suitability for various seating positions

Information provided in the table shows your child restraint system suitability for various seating positions.

Conting	Front passenger seat	Second seat				
Seating position Mass groups		Captain seat	1		Third seat	
		Outside	Outside	Center	Outside	Center
0 Up to 10 kg (22 lb.) (0 - 9 months)	Х	U*4	U*4	U*4	U*5	х
0 ⁺ Up to 13 kg (28 lb.) (0 - 2 years)	Х	U*4	U ^{*4}	U ^{*4}	U ^{*5}	х
I 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)	Rear-facing X Never put Forward-facing UF*1, 2	U ^{*2, 4}	U ^{*2, 4}	U ^{*2, 4}	U ^{*2, 5}	х
II, III 15 to 36 kg. (34 to 79 lb.) (4 - 12 years)	UF ^{*1, 3}	U ^{*3, 4}	U ^{*3, 4}	U ^{*3, 4}	U ^{*3, 5}	х
40,						

Key of letters inserted in the above table:

- U: Suitable for "universal" category child restraint system approved for the use in this mass group.
- UF: Suitable for forward-facing "universal" category child restraint system approved for the use in this mass group.
- X: Not suitable seat position for children in this mass group
- *1: Adjust the front seatback to the most upright position. Move the front seat cushion to the fully rearward.
- *2: When you use the child restraint system in this position, adjust the head restraint to the highest lock position.
- *3: When you use the child restraint system in this position, remove the head restraint.
- *4: Adjust the second seat seatback to the most upright position. Move the second seat cushion to the fully rearward.
- *5: Recline the third seat seatback to install the child restraint system. After installing the child restraint system, raise the third seat seatback so as to settle the child restraint system.

Other child restraint systems different from the systems mentioned in the table can be used, but the suitability of the systems must be carefully checked with the child restraint system manufacturer and retailer.

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# Child restraint system suitability for various seating positions (with ISOFIX rigid anchors)

Information provided in the table shows your child restraint system suitability for various seating positions.

Mass groups	Size class	Fixture	Vehicle ISOFIX positions
			Second seat
Carrycot	F	ISO/L1	Х
Carryoot	G	ISO/L2	Х
Group 0 Up to 10 kg (22 lb.)	E	ISO/R1	×
Group 0 ⁺	E	ISO/R1	Х
Up to 13 kg	D	ISO/R2	Х
(28 lb.)	C	ISO/R3	Х
	D	ISO/R2	Х
Group I	С	ISO/R3	Х
9 to 18 kg	В	ISO/F2	IUF
(20 to 39 lb.)	B1	ISO/F2X	IUF
	A	ISO/F3	IUF
Group II 15 to 25 kg (34 to 55 lb.)		(1)	Х
Group III 22 to 36 kg (49 to 79 lb.)		(1)	Х

2

(1) For the CRS which do not carry the ISO/XX size class identification (A to G), for the applicable mass group, the car manufacturer shall indicate the vehicle specific ISOFIX child restraint system(s) recommended for each position.

Key letters inserted in the above table:

- IUF: Suitable for ISOFIX forward-facing child restraint systems of universal category approved for use in this mass group.
- X: ISOFIX position not suitable for ISOFIX child restraint systems in this mass group and/or this size class.

The child restraint system mentioned in the table may not be available outside of the EU area.

Other child restraint systems different from the systems mentioned in the table can be used, but the suitability of the systems must be carefully checked with the child restraint system manufacturer and retailer.

## When installing a child restraint system on the front passenger seat



When you have to use a child restraint system on the front passenger seat, adjust the following:

- The seat to the fully rearward position
- The seatback to the most upright position
- The seat belt shoulder anchor height to the lowest position
- Child seat (convertible seat): The head restraint height to the highest lock position
- Junior seat (booster seat): The head restraint removed from the seat

### Selecting an appropriate child restraint system

- Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt.
- If the child is too large for a child restraint system, sit the child on a rear seat and use the vehicle's seat belt. (→P. 105)



# **CAUTION**

## Using a child restraint system

The use of a child restraint system not suitable for the vehicle may not properly secure the infant or child. It may result in death or serious injury (in the event of sudden braking or an accident).

## Child restraint precautions

- For effective protection in automobile accidents and sudden stops, a child must be properly restrained, using a seat belt or child restraint system depending on the age and size of the child. Holding a child in your arms is not a substitute for a child restraint system. In an accident, the child can be crushed against the windshield, or between you and the vehicle's interior.
- Toyota strongly urges the use of a proper child restraint system that conforms to the size of the child, installed on the rear seat. According to accident statistics, the child is safer when properly restrained in the rear seat than in the front seat.
- Never install a rear-facing child restraint system on the front passenger seat. In the event of an accident, the force of the rapid inflation of the front passenger airbag can cause death or serious injury to the child if the rear-facing child restraint system is installed on the front passenger seat.
- A forward-facing child restraint system may be installed on the front passenger seat only when it is unavoidable. A child restraint system that requires a top tether strap should not be used in the front passenger seat since there is no top tether strap anchor for the front passenger seat. Adjust the seatback as upright as possible and always move the seat as far back as possible because the front passenger airbag could inflate with considerable speed and force. Otherwise, the child may be killed or seriously injured.

Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front and rear pillars or roof side rails from which the SRS side airbags or SRS curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous if the SRS side airbags and curtain shield airbags inflate, and the impact could cause death or serious injury to the child.

# **CAUTION**

### Child restraint precautions

 Make sure you have complied with all installation instructions provided by the child restraint manufacturer and that the system is properly secured. If it is not secured properly, it may cause death or serious injury to the child in the event of a sudden stop, sudden swerve or an accident.

### When children are in the vehicle

Do not allow children to play with the seat belt. If the seat belt becomes twisted around a child's neck, it may lead to choking or other serious injuries that may result in death.

If this occurs and the buckle cannot be unfastened, scissors should be used to cut the belt.

#### When the child restraint system is not in use

• Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the child restraint system unsecured in the passenger compartment.

 If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the luggage compartment. This will prevent it from injuring passengers in the event of a sudden stop, sudden swerve or accident. Before driving

# 1-7. Safety information Installing child restraints

Follow the child restraint system manufacturer's instructions. Firmly secure child restraints to the seats using a seat belt or ISOFIX rigid anchors. Attach the top strap when installing a child restraint.

## 7-passenger models





Seat belts (An ELR belt requires a locking clip)  $(\rightarrow P. 105)$ 

ISOFIX rigid anchors (ISOFIX child restraint system)

Lower anchors are provided for second seats. (Tags displaying the location of the anchors are attached to the seats.)

Child restraint anchor fittings

Anchor fittings are provided for second seats.



## 8-passenger models



Seat belts (An ELR belt requires a locking clip)  $(\rightarrow P. 105)$ 

ISOFIX rigid anchors (ISOFIX child restraint system)

Lower anchors are provided for second outer seats. (Tags displaying the location of the anchors are attached to the seats.)

Child restraint anchor fittings

STO17AUA19

STO17AUA21

Anchor fittings are provided for second seats.

## Installing child restraints using a seat belt

# Rear-facing — Baby seat (infant seat)/child seat (convertible seat)

## Second seats

STEP 4

P 5

STEP 1 Adjust the seatback to the most upright position. ( $\rightarrow$ P. 70) STEP 2 Slide the seat to the rear-most position. ( $\rightarrow$ P. 70)

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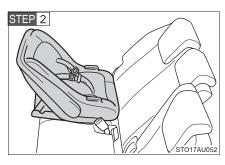


Place the child restraint system on the seat facing the rear of the vehicle.

Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted.

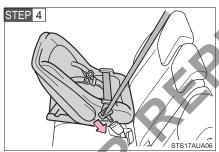
## Third outer seats

STEP 1 Recline the seatback to the rearward position. ( $\rightarrow$ P. 72)

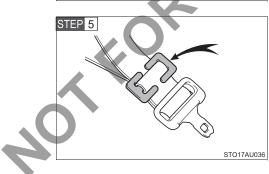


Place the child restraint system on the seat facing the rear of the vehicle.

STEP 3 Raise the seatback to settle the child restraint system. ( $\rightarrow$ P. 72)



Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted.



## ■ Forward-facing — Child seat (convertible seat)

## Second seats

STEP 1 Adjust the head restraint to the highest lock position. ( $\rightarrow$ P. 79) STEP 2 Adjust the seatback to the most upright position. ( $\rightarrow$ P. 70) STEP 3 Slide the seat to the rear-most position. ( $\rightarrow$ P. 70)



STEP 5

STEP 6

Place the child restraint system on the seat facing the front of the vehicle.

Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted.

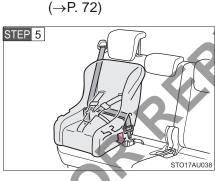
## Third outer seats

STEP 1 Adjust the head restraint to the highest lock position. ( $\rightarrow$ P. 79) STEP 2 Recline the seatback to the rearward position. ( $\rightarrow$ P. 72)

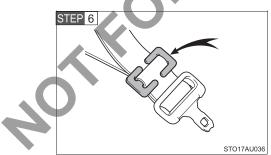


Place the child restraint system on the seat facing the front of the vehicle.

STEP 4 Raise the seatback to settle the child restraint system.



Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted.



## Junior seat (booster seat)

## Second seats

- STEP 1 Remove the head restraint. ( $\rightarrow$ P. 79)
- STEP 2 Adjust the seatback to the most upright position. ( $\rightarrow$ P. 70)
- STEP 3 Slide the seat to the rear-most position.  $(\rightarrow P. 70)$





Place the child restraint system on the seat facing the front of the vehicle.

Sit the child in the child restraint system. Fit the seat belt to the child restraint system according to the manufacturer's instructions and insert the plate into the buckle. Make sure that the belt is not twisted.

Check that the shoulder belt is correctly positioned over the child's shoulder and that the lap belt is as low as possible.  $(\rightarrow P. 105)$ 

Before driving

# Third outer seats

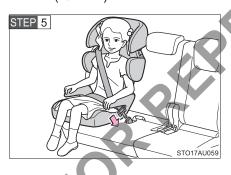
STEP 1 Remove the head restraint. ( $\rightarrow$ P. 79)

STEP 2 Recline the seatback to the rearward position. ( $\rightarrow$ P. 72)



Place the child restraint system on the seat facing the front of the vehicle.

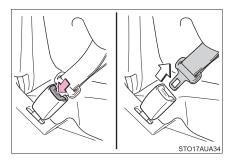
STEP 4 Raise the seatback to settle the child restraint system. ( $\rightarrow$ P. 72)



Sit the child in the child restraint system. Fit the seat belt to the child restraint system according to the manufacturer's instructions and insert the plate into the buckle. Make sure that the belt is not twisted.

Check that the shoulder belt is correctly positioned over the child's shoulder and that the lap belt is as low as possible.  $(\rightarrow P. 105)$ 

## Removing a child restraint installed with a seat belt



Push the buckle release button and fully retract the seat belt.

Installation with ISOFIX rigid anchors (ISOFIX child restraint system)

## 7-passenger models

STEP 1 Adjust the head restraint to the highest lock position. ( $\rightarrow$ P. 79)

- STEP 2 Slide the second seat to the rear-most position. ( $\rightarrow$ P. 70)
  - If necessary, also slide the front seat forward. ( $\rightarrow$ P. 67)

STEP 3 Recline the seatback to the rearward position.  $(\rightarrow P. 70)$ 



Widen the gap between the seat cushion and seatback slightly, latch the buckles onto the exclusive fixing bars. STEP 5 Adjust the seatback angle to settle the child restraint system. ( $\rightarrow$ P. 70)

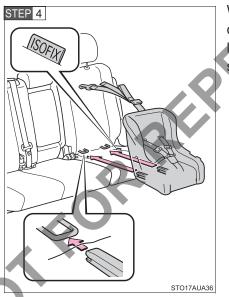
Make sure that the child restraint system is securely fixed.

If the child restraint has a top strap, the top strap should be latched onto the anchor fitting.

## 8-passenger models

- STEP 1 Adjust the head restraint to the highest lock position.  $(\rightarrow P. 79)$
- STEP 2 Slide the second seat to the rear-most position. ( $\rightarrow$ P. 70)
  - If necessary, also slide the front seat forward. ( $\rightarrow$ P. 67)

STEP 3 Recline the seatback to the rearward position.  $(\rightarrow P. 70)$ 



Widen the gap between the seat cushion and seatback slightly, latch the buckles onto the exclusive fixing bars.

STEP 5 Adjust the seatback angle to settle the child restraint system.

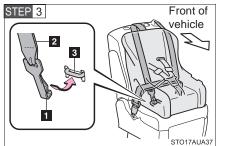
Make sure that the child restraint system is securely fixed.

If the child restraint has a top strap, the top strap should be latched onto the anchor fitting.

## Child restraint systems with a top strap

STEP 1 Remove the head restraint. ( $\rightarrow$ P. 79)

STEP 2 Secure the child restraint system using a seat belt or ISOFIX rigid anchors.



Latch the hook onto the anchor fitting and tighten the top strap.

Make sure the top strap is securely latched.

1 Attaching clip

2 Upper anchorage strap

3 Anchor fitting

STEP 4 Replace the head restraint and adjust it to the highest lock position.  $(\rightarrow P. 79)$ 

# When installing a child restraint system in the seat with ELR belt ( $\rightarrow$ P. 150)

You need a locking clip to install the child restraint system. Follow the instructions provided by the manufacturer of the system. If your child restraint system does not provide a locking clip, you can purchase the following item from your Toyota dealer.

Locking clip for child restraint system (Part No. 73119-22010)

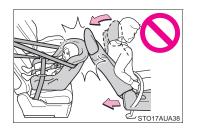


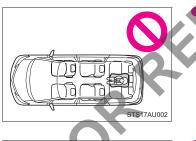
# 

## When installing a child restraint system

Follow the directions given in the child restraint system installation manual and fix the child restraint system securely in place.

If the child restraint system is not correctly fixed in place, the child or other passengers may be seriously injured or even killed in the event of sudden braking, sudden swerving or an accident.





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• If the driver's seat interferes with the child restraint system and prevents it from being attached correctly, attach the child restraint system to the left-hand second seat.

- Adjust the front passenger seat or second seats so that it does not interfere with the child restraint system.
  - Do not install a child restraint system to the third center seat. This seat is not designed to hold a child restraint system.

Installing a child restraint system to this seat may result in death or serious injury in the event of sudden braking, sudden swerving or an accident.

Only put a forward-facing child restraint system on the front seat when unavoidable. When installing a forward-facing child restraint system on the front passenger seat, move the seat as far back as possible.

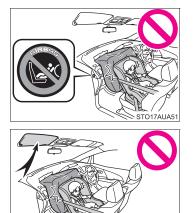
Failure to do so may result in death or serious injury if the airbags deploy (inflate).

Before driving



#### When installing a child restraint system

STO17AUA52



• Extreme Hazard! Do not use a rearward facing child restraint on a seat protected by an airbag in front of it! This is because the force of the rapid inflation of the front passenger airbag can cause death or serious injury to the child.

There is a label(s) on the passenger side sun visor, indicating it is forbidden to attach a rear-facing child restraint system to the front passenger seat.

Details of the label(s) are shown in the illustration below. The label includes information written in the language of your country.

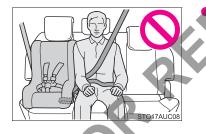


 If child restraint system regulations exist in the country where you reside, please contact your Toyota dealer for the child restraint system installation.

# **CAUTION**

### When installing a child restraint system

- When a junior (booster) seat is installed, always ensure that the shoulder belt is positioned across the center of the child's shoulder. The belt should be kept away from the child's neck, but not so that it could fall off the child's shoulder. Failure to do so may result in death or serious injury in the event of sudden braking, sudden swerving or an accident.
- Ensure that the belt and plate are securely locked and the seat belt is not twisted.
- Shake the child restraint system left and right, and forward and backward to ensure that it has been securely installed.
- After securing a child restraint system, never adjust the seat.
- Follow all installation instructions provided by the child restraint system manufacturer.



When using the right side of the third seat for the child restraint system, do not sit in the center seat. Seat belt function may be impaired, such as being positioned overly high or loose-fitting, which may result in death or serious injury in the event of sudden braking or an accident.

## To correctly attach a child restraint system to the anchors

When using the lower anchors, be sure that there are no foreign objects around the anchors and that the seat belt is not caught behind the child restraint system. Make sure the child restraint system is securely attached, or it may cause death or serious injury to the child or other passengers in the event of sudden braking, sudden swerve or an accident.

#### Using child restraint anchorages

WARNING: child restraint anchorages are designed to withstand only those loads imposed by correctly fitted child restraints. Under no circumstances are they to be used for adult seatbelts, harnesses, or for attaching other items or equipment to the vehicle.

of FOR PERPROPUCTION

# When driving

2

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The following procedures should be observed to ensure safe driving:

Starting the engine

 $\rightarrow$  P. 176

# Driving

STEP 1 With the brake pedal depressed, shift the shift lever to D.

(→P. 181, 185)

- STEP 2 Release the parking brake. ( $\rightarrow$ P. 191)
- STEP 3 Gradually release the brake pedal and gently depress the accelerator pedal to accelerate the vehicle.

# Stopping

- STEP 1 With the shift lever in D, depress the brake pedal.
- STEP 2 If necessary, set the parking brake.

If the vehicle is to be stopped for an extended period of time, shift the shift lever to P or N. ( $\rightarrow$ P. 181, 185)

# Parking the vehicle

- STEP 1 With the shift lever in D, depress the brake pedal.
- STEP 2 Set the parking brake.  $(\rightarrow P. 191)$
- STEP 3 Shift the shift lever to P.  $(\rightarrow P. 181, 185)$

If parking on a hill, block the wheels as needed.

- STEP 4 Press the "ENGINE START STOP" switch to stop the engine.
- STEP 5 Lock the door, making sure that you have the electronic key on your person.

# Starting off on a steep uphill

- STEP 1 Make sure that the parking brake is set and shift the shift lever to D.
- STEP 2 Gently depress the accelerator pedal.
- STEP 3 Release the parking brake.

## When starting off on a uphill

The hill-start assist control is available. ( $\rightarrow$ P. 220)

## Driving in the rain

- Drive carefully when it is raining, because visibility will be reduced, the windows may become fogged-up, and the road will be slippery.
- Drive carefully when it starts to rain, because the road surface will be especially slippery.
- Refrain from high speeds when driving on an expressway in the rain, because there may be a layer of water between the tires and the road surface, preventing the steering and brakes from operating properly.

## Engine speed while driving

In the following conditions, the engine speed may become high while driving. This is due to automatic up-shifting control or down-shifting implementation to meet driving conditions. It does not indicate sudden acceleration.

• The vehicle is judged to be driving uphill or downhill

• When the accelerator pedal is released

## Breaking in your new Toyota

To extend the life of the vehicle, observing the following precautions is recommended:

- For the first 300 km (186 miles): Avoid sudden stops.
- For the first 800 km (500 miles): Do not tow a trailer.
- For the first 1000 km (621 miles):
  - Do not drive at extremely high speeds.
  - Avoid sudden acceleration.
  - Do not drive continuously in low gears.
  - · Do not drive at a constant speed for extended periods.

### Drum-in-disc type parking brake system

Your vehicle has a drum-in-disc type parking brake system. This type of brake system needs bedding-down of the brake shoes periodically or whenever the parking brake shoes and/or drum are replaced. Have your Toyota dealer perform the bedding down operation.

#### Operating your vehicle in a foreign country

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. ( $\rightarrow$ P. 500)

# **CAUTION**

## When starting the vehicle

Always keep your foot on the brake pedal while stopped with the engine running. This prevents the vehicle from creeping.

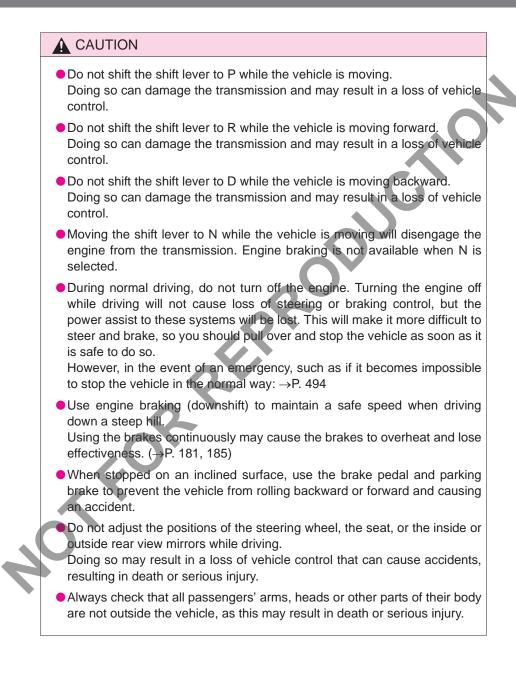
## When driving the vehicle

• Do not drive if you are unfamiliar with the location of the brake and accelerator pedals to avoid depressing the wrong pedal.

- Accidentally depressing the accelerator pedal instead of the brake pedal will result in sudden acceleration that may lead to an accident that could result in death or serious injury.
- When backing up, you may twist your body around, leading to a difficulty in operating the pedals. Make sure to operate the pedals properly.
- Make sure to keep a correct driving posture even when moving the vehicle only slightly. This allows you to depress the brake and accelerator pedals properly.
- Depress the brake pedal using your right foot. Depressing the brake pedal using your left foot may delay response in an emergency, result-ing in an accident.
- Do not drive the vehicle over or stop the vehicle near flammable materials. The exhaust system and exhaust gases can be extremely hot. These hot parts may cause a fire if there is any flammable material nearby.
- Do not let the vehicle roll backward while the shift lever is in a driving position, or roll forward while the shift lever is in R.

Doing so may cause the engine to stall or lead to poor brake and steering performance, resulting in an accident or damage to the vehicle.

• If the smell of exhaust is noticed inside the vehicle, open the windows and check that the back door is closed. Large amounts of exhaust in the vehicle can cause driver drowsiness and an accident, resulting in death or a serious health hazard. Have the vehicle inspected by your Toyota dealer immediately.



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## When driving on slippery road surfaces

- Sudden braking, acceleration and steering may cause tire slippage and reduce your ability to control the vehicle, resulting in an accident.
- Sudden acceleration, engine braking due to shifting, or changes in engine speed could cause the vehicle to skid, resulting in an accident.
- After driving through a puddle, lightly depress the brake pedal to make sure that the brakes are functioning properly. Wet brake pads may prevent the brakes from functioning properly. If the brakes on only one side are wet and not functioning properly, steering control may be affected, resulting in an accident.

## When shifting the shift lever

Be careful not to shift the shift lever with the accelerator pedal depressed. Shifting the shift lever to a gear other than P or N may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

## If you hear a squealing or scraping noise (brake pad wear indicators)

Have the brake pads checked and replaced by your Toyota dealer as soon as possible.

Rotor damage may result if the pads are not replaced when needed.

It is dangerous to drive the vehicle when the wear limits of the brake pads and/or those of the brake discs are exceeded.

## When the vehicle is stopped

Do not race the engine.

If the vehicle is in any gear other than P or N, the vehicle may accelerate suddenly and unexpectedly, causing an accident.

- Do not leave the vehicle with the engine running for a long time.
- If such a situation cannot be avoided, park the vehicle in an open space and check that exhaust fumes do not enter the vehicle interior.
- In order to prevent accidents due to the vehicle rolling away, always keep depressing the brake pedal while the engine is running, and apply the parking brake as necessary.

# **CAUTION** If the vehicle is stopped on an incline, in order to prevent accidents caused by the vehicle rolling forward or backward, always depress the brake pedal and securely apply the parking brake as needed. Avoid revving or racing the engine. Running the engine at high speed while the vehicle is stopped may cause the exhaust system to overheat, which could result in a fire if combustible material is nearby. When the vehicle is parked • Do not leave glasses, cigarette lighters, spray cans, or soft drink cans in the vehicle when it is in the sun. Doing so may result in the following: Gas may leak from a cigarette lighter or spray can, and may lead to a fire. • The temperature inside the vehicle may cause the plastic lenses and plastic material of glasses to deform or crack. • Soft drink cans may rupture, causing the contents to spray over the interior of the vehicle, and may also cause a short circuit in the vehicle's electrical components. Do not leave cigarette lighters in the vehicle. If a cigarette lighter is in a place such as the glove box or on the floor, it may be lit accidentally when luggage is loaded or the seat is adjusted, causing a fire. Do not attach adhesive discs to the windshield or windows. Do not place containers such as air fresheners on the instrument panel or dashboard. Adhesive discs or containers may act as lenses, causing a fire in the vehicle. Do not leave a door or window open if the curved glass is coated with a metallized film such as a silver-colored one. Reflected sunlight may cause the glass to act as a lens, causing a fire. Always apply the parking brake, shift the shift lever to P, stop the engine and lock the vehicle. Do not leave the vehicle unattended while the engine is running. Do not touch the exhaust pipes while the engine is running or immediately after turning the engine off. Doing so may cause burns.

# **CAUTION**

 Do not leave the engine running in an area with snow build-up, or where it is snowing. If snowbanks build up around the vehicle while the engine is running, exhaust gases may collect and enter the vehicle. This may lead to death or a serious health hazard.

## Exhaust gases

Exhaust gases include harmful carbon monoxide (CO), which is colorless and odorless. Inhaling exhaust gases may lead to death or a serious health hazard.

- If the vehicle is in a poorly ventilated area, stop the engine. In a closed area, such as a garage, exhaust gases may collect and enter the vehicle. This may lead to death or a serious health hazard.
- The exhaust system should be checked occasionally. If there is a hole or crack caused by corrosion, damage to a joint or abnormal exhaust noise, be sure to have the vehicle inspected and repaired by your Toyota dealer. Failure to do so may allow exhaust gases to enter the vehicle, resulting in death or a serious health hazard.

## When taking a nap in the vehicle

Always turn the engine off. Otherwise, if you accidentally move the shift lever or depress the accelerator pedal, this could cause an accident or fire due to engine overheating. Additionally, if the vehicle is parked in a poorly ventilated area, exhaust gases may collect and enter the vehicle, leading to death or a serious health hazard.

## When braking

• When the brakes are wet, drive more cautiously.

Braking distance increases when the brakes are wet, and this may cause one side of the vehicle to brake differently than the other side. Also, the parking brake may not securely hold the vehicle.

If the power brake assist function does not operate, do not follow other vehicles closely and avoid hills or sharp turns that require braking.

In this case, braking is still possible, but the brake pedal should be depressed more firmly than usual. Also, the braking distance will increase. Have your brakes fixed immediately.

# **CAUTION**

- Do not pump the brake pedal if the engine stalls.
   Each push on the brake pedal uses up the reserve for the power-assisted brakes.
- The brake system consists of 2 individual hydraulic systems; if one of the systems fails, the other will still operate. In this case, the brake pedal should be depressed more firmly than usual and the braking distance will increase.

Have your brakes fixed immediately.

# **NOTICE**

## When driving the vehicle

- Do not depress the accelerator and brake pedals at the same time during driving, as this may restrain driving torque.
- Do not use the accelerator pedal or depress the accelerator and brake pedals at the same time to hold the vehicle on a hill.

## When parking the vehicle

Always shift the shift lever to P. Failure to do so may cause the vehicle to move or the vehicle may accelerate suddenly if the accelerator pedal is accidentally depressed.

## Avoiding damage to vehicle parts

 Do not turn the steering wheel fully in either direction and hold it there for an extended period of time.

Doing so may damage the power steering motor.

When driving over bumps in the road, drive as slowly as possible to avoid damaging the wheels, underside of the vehicle, etc.

# 

## If you get a flat tire while driving

A flat or damaged tire may cause the following situations. Hold the steering wheel firmly and gradually depress the brake pedal to slow down the vehicle.

It may be difficult to control your vehicle.

The vehicle will make abnormal sounds or vibrations.

The vehicle will lean abnormally.

Information on what to do in case of a flat tire ( $\rightarrow$ P. 459).

## When encountering flooded roads

Do not drive on a road that has flooded after heavy rain etc. Doing so may cause the following serious damage to the vehicle:

- Engine stalling
- Short in electrical components
- Engine damage caused by water immersion

In the event that you drive on a flooded road and the vehicle is flooded, be sure to have your Toyota dealer check the following:

- Brake function
- Changes in quantity and quality of engine oil, transmission fluid, etc.
- Lubricant condition for the bearings and suspension joints (where possible), and the function of all joints, bearings, etc.

When driving

# 2-1. Driving procedures Engine (ignition) switch

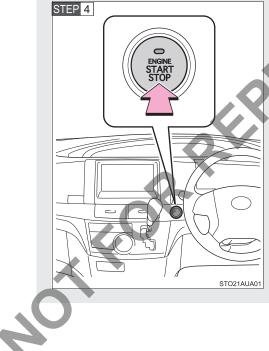
Performing the following operations when carrying the electronic key on your person starts the engine or changes "ENGINE START STOP" switch modes.

## Starting the engine

STEP 1 Check that the parking brake is set.

- STEP 2 Check that the shift lever is set in P.
- STEP 3 Firmly depress the brake pedal.

The "ENGINE START STOP" switch indicator will turn green. If the indicator does not turn green, the engine cannot be started.



# Press the "ENGINE START STOP" switch.

The engine will crank until it starts or for up to 30 seconds, whichever is less.

Continue depressing the brake pedal until the engine is completely started.

The engine can be started from any "ENGINE START STOP" switch mode.

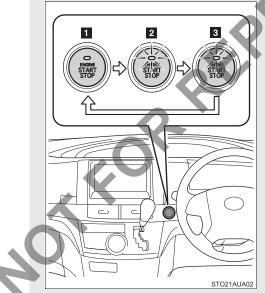
# Stopping the engine

STEP 1 Stop the vehicle.

- STEP 2 Shift the shift lever to P.
- STEP 3 Set the parking brake. ( $\rightarrow$ P. 191)
- STEP 4 Release the brake pedal.
- STEP 5 Press the "ENGINE START STOP" switch.
- STEP 6 Check that the indicator on the "ENGINE START STOP" switch is off.

# Changing "ENGINE START STOP" switch mode

Modes can be changed by pressing the "ENGINE START STOP" switch with the brake pedal released. (The mode changes each time the switch is pressed.)



# **1** Off*

The emergency flashers can be used.

# 2 ACCESSORY mode

Some electrical components such as the audio system can be used.

The "ENGINE START STOP" switch indicator turns amber.

## **3** IGNITION ON mode

All electrical components can be used.

The "ENGINE START STOP" switch indicator turns amber.

*: If the shift lever is in a position other than P when turning off the engine, the "ENGINE START STOP" switch will be turned to ACCESSORY mode, not to off.

### Auto power off function

If the vehicle is left in ACCESSORY mode for more than 20 minutes with the shift lever in P, the "ENGINE START STOP" switch will automatically turn off.

#### Electronic key battery depletion

→P. 35

Conditions affecting operation

→P. 44

Notes for the entry function

→P. 34

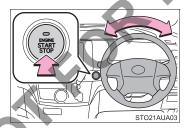
### If the engine does not start

The engine immobilizer system may not have been deactivated. ( $\rightarrow$ P. 128) Contact your Toyota dealer.

### Steering lock

After turning the "ENGINE START STOP" switch off and opening and closing the doors, the steering wheel will be locked due to the steering lock function. Operating the "ENGINE START STOP" switch again automatically cancels the steering lock.

## When the steering lock cannot be released



The green indicator light on the "ENGINE START STOP" switch will flash. Press the "ENGINE START STOP" switch again while turning the steering wheel left and right.

## When the "ENGINE START STOP" switch indicator flashes in amber

The system may be malfunctioning. Have the vehicle inspected by your Toyota dealer immediately.

## If the electronic key battery is depleted

→P. 407

## Operation of the "ENGINE START STOP" switch

When operating the "ENGINE START STOP" switch, one short, firm press is enough. If the switch is pressed improperly, the engine may not start or the "ENGINE START STOP" switch mode may not change. It is not necessary to press and hold the switch.

# If the smart entry & start system or push-button start system has been deactivated in a customized setting

→P. 511

# **CAUTION**

## When starting the engine

Always start the engine while sitting in the driver's seat. Do not depress the accelerator pedal while starting the engine under any circumstances. Doing so may cause an accident resulting in death or serious injury.

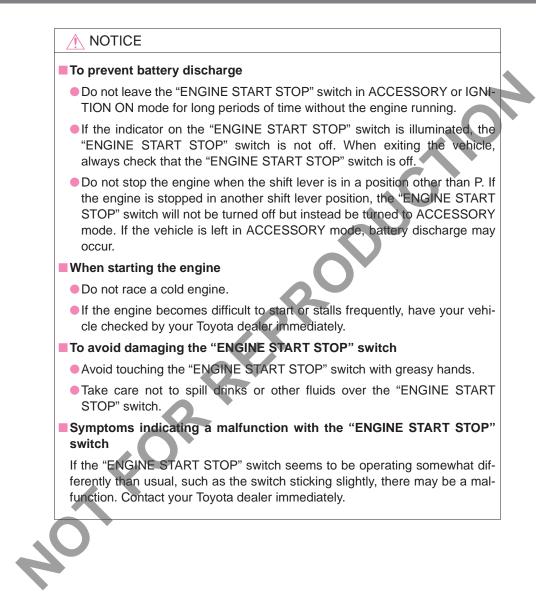
### While driving

If engine failure occurs while the vehicle is moving, do not lock or open the doors until the vehicle reaches a safe and complete stop. Activation of the steering lock in this circumstance may lead to an accident, resulting in death or serious injury.

## Stopping the engine in an emergency

If you want to stop the engine in an emergency while driving the vehicle, press and hold the "ENGINE START STOP" switch for more than 2 seconds, or press it briefly 3 times or more in succession. ( $\rightarrow$ P. 494)

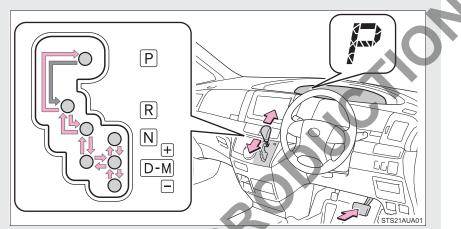
However, do not touch the "ENGINE START STOP" switch while driving except in an emergency. Turning the engine off while driving will not cause loss of steering or braking control, but the power assist to these systems will be lost. This will make it more difficult to steer and brake, so you should pull over and stop the vehicle as soon as it is safe to do so.



## 2-1. Driving procedures Continuously variable transmission^{*}

Select a shift position appropriate for the driving conditions.

#### Shifting the shift lever



While the "ENGINE START STOP" switch is in IGNITION ON mode, move the shift lever with the brake pedal depressed.

When shifting the shift lever between P and D, make sure that the vehicle is completely stopped.

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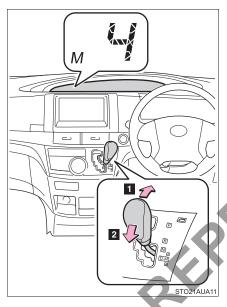
	Julpose
Shift position	Function
Р	Parking the vehicle/starting the engine
R	Reversing
N	Neutral
D	Normal driving*1
М	7-speed sport sequential shiftmatic mode driving*2
	(→P. 183)

*1: To improve fuel consumption and reduce noises, set the shift lever in the D position for normal driving.

*2: Selecting gear step using the M position achieves suitable engine braking forces by operating shift lever.

#### Changing gear steps in 7-speed sport sequential shiftmatic mode

Shift the shift lever to the M position and operate the shift lever.



Upshifting
Downshifting
The gear step changes once every time the shift lever is operated.
The selected gear step, from 1 to

7, will be displayed in the instrument cluster.

However, even when in the M position, the gear steps will be automatically changed if the engine speed is too high, or too low.

#### Gear step functions

• You can choose from 7 levels of engine braking force.

A lower gear step will provide greater engine braking force than a higher gear step, and the engine speed will also increase.

## AI-SHIFT

AI-SHIFT automatically selects the suitable gear according to the driver performance and driving conditions.

AI-SHIFT automatically operates when the shift lever is in the D position. (Shifting the shift lever to the M position cancels the function.)

#### When driving with cruise control activated

Even when performing the following actions with the intent of enabling engine braking, engine braking will not activate while driving in 7-speed sport sequential shiftmatic mode and downshifting to 6, 5 or 4 because cruise control will not be canceled. ( $\rightarrow$ P. 209)

#### When the vehicle comes to a stop with the shift lever in the M position

- The transmission will automatically downshift to M1 once the vehicle is stopped.
- After a stop, the vehicle will start off in M1.
- When the vehicle is stopped, the transmission is set at M²

#### If the shift lever cannot be shifted from P

→P. 479

## If the 7-speed sport sequential shiftmatic mode indicator does not come on even after shifting the shift lever to M

This may indicate a malfunction in the continuously variable transmission system. Have the vehicle inspected by your Toyota dealer immediately. (In this situation, the transmission will operate in the same manner as when the shift lever is in D.)

#### Downshift restriction warning buzzer (in 7-speed sport sequential shiftmatic mode)

To help ensure safety and driving performance, downshifting operation may sometimes be restricted. In some circumstances, downshifting may not be possible even when the shift lever is operated. (A buzzer will sound twice.)

#### **CAUTION**

#### When driving on slippery road surfaces

Do not accelerate or shift gear steps suddenly.

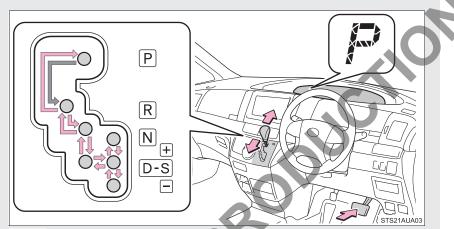
Sudden changes in engine braking may cause the vehicle to spin or skid, resulting in an accident.

## 2-1. Driving procedures Automatic transmission*

Select a shift position appropriate for the driving conditions.

#### Shifting the shift lever

~



While the "ENGINE START STOP" switch is in IGNITION ON mode, move the shift lever with the brake pedal depressed.

When shifting the shift lever between P and D, make sure that the vehicle is completely stopped.

*: If equipped

Shift position purpose

Shift position	Function
Р	Parking the vehicle/starting the engine
R	Reversing
N	Neutral
D	Normal driving ^{*1}
S	S mode driving ^{*2} ( $\rightarrow$ P. 187)

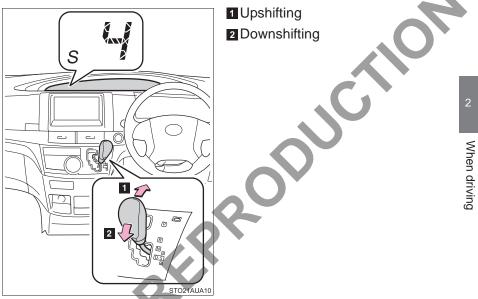
*1: Shifting to the D position allows the system to select a gear suitable for the driving conditions. Setting the shift lever to the D position is recommended for normal driving.

*2: Selecting shift ranges using S mode restricts the upper limit of the possible gear ranges, controls engine braking forces, and prevents unnecessary upshifting.

JOT FO'

#### Changing shift ranges in S mode

Shift the shift lever to the S position and operate the shift lever.



The initial shift range in S mode is automatically set to 5 or 4 according to the vehicle's speed. However, the initial shift range may be set to 3 if AI-SHIFT has operated while the shift lever was in the D position. (→P. 188)

#### Shift ranges and their functions

- Automatically selecting gears between 1 and 6 according to vehicle's speed and driving conditions. But, the gear is limited according to selected shift range.
- You can choose from 6 levels of engine braking force.
- A lower shift range will provide greater engine braking force than a higher shift range, and the engine speed will also increase.

#### S mode

- When the shift range is 5 or lower, holding the shift lever toward "+" sets the shift range to 6.
- To prevent excessive engine speed, a function was adopted that automatically selects a higher shift range before engine speed becomes too high.
- To protect the automatic transmission, a function is adopted that automatically selects a higher shift range when the fluid temperature is high.

#### AI-SHIFT

AI-SHIFT automatically selects the suitable gear according to the driver performance and driving conditions.

AI-SHIFT automatically operates when the shift lever is in the D position. (Shifting the shift lever to the S position cancels the function.)

#### When driving with cruise control activated

Even when performing the following actions with the intent of enabling engine braking, engine braking will not activate while driving in S mode and downshifting to 5 or 4 because cruise control will not be canceled. ( $\rightarrow$ P. 209)

#### If the shift lever cannot be shifted from P

#### →P. 479

## If the "S" mode indicator does not come on even after shifting the shift lever to S

This may indicate a malfunction in the automatic transmission system. Have the vehicle inspected by your Toyota dealer immediately.

(In this situation, the transmission will operate in the same manner as when the shift lever is in D.)

#### Downshifting restrictions warning buzzer (in S mode)

To help ensure safety and driving performance, downshifting operation may sometimes be restricted. In some circumstances, downshifting may not be possible even when the shift lever is operated. (A buzzer will sound twice.)

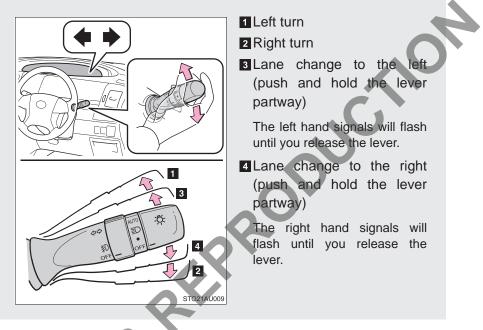
## **CAUTION**

#### When driving on slippery road surfaces

Do not accelerate or shift gears suddenly. Sudden changes in engine braking may cause the vehicle to spin or skid, resulting in an accident.

## 2-1. Driving procedures Turn signal lever

The turn signal lever can be used to show the following intentions of the driver:



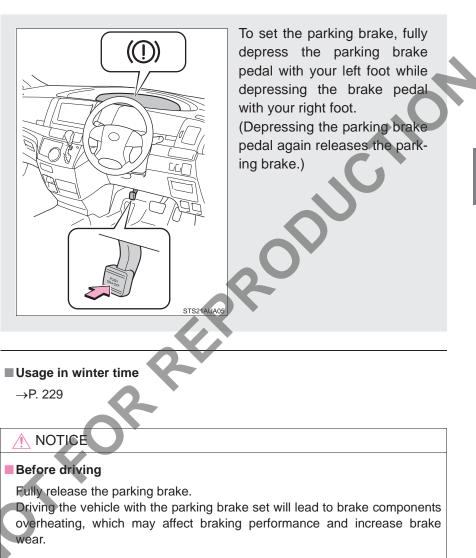
#### Turn signals can be operated when

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

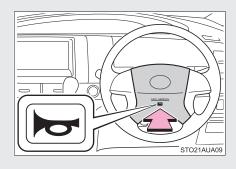
#### If the indicator flashes faster than usual

Check that a light bulb in the front or rear turn signal lights has not burned out.

# 2-1. Driving procedures Parking brake



# 2-1. Driving procedures **Horn**



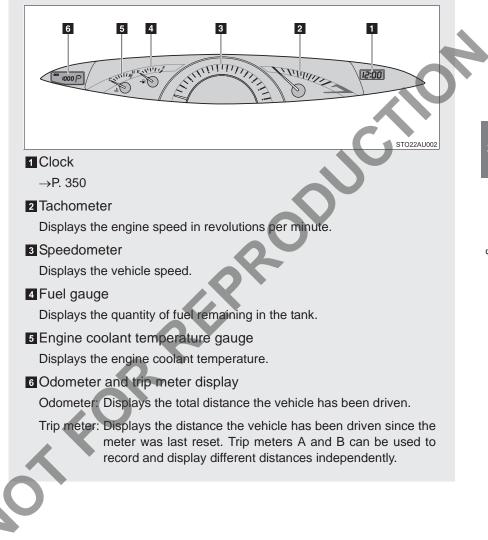
To sound the horn, press on or close to the mark.

#### After adjusting the steering wheel

.

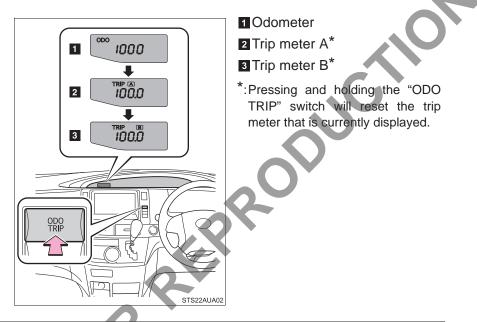
Make sure that the steering wheel is securely locked. The horn may not sound if the steering wheel is not securely locked.  $(\rightarrow P. 113)$ 

## 2-2. Instrument cluster Gauges and meters



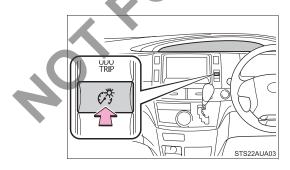
#### Changing the odometer/trip meter display

Pressing the "ODO TRIP" switch switches between odometer and trip meter.



### Instrument cluster light control

The brightness of the instrument cluster light can be adjusted.



Press the switch.

There are 5 brightness levels adjustable for each when the tail lights are turned on and also when they are turned off.

#### The meters and display operate when

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

#### The brightness of the instrument cluster light

When the tail lights are turned on, the brightness will be reduced slightly unless the brightness level adjustment is set to the brightest setting.

If the tail lights are turned on when the surroundings are dark, the brightness will reduce slightly. However, when the surroundings are bright, such as during the daytime, the brightness will not be reduced even if the tail lights are turned on.

#### When disconnecting and reconnecting battery terminals

The trip meter data will be reset.

#### NOTICE

#### To prevent damage to the engine and its components

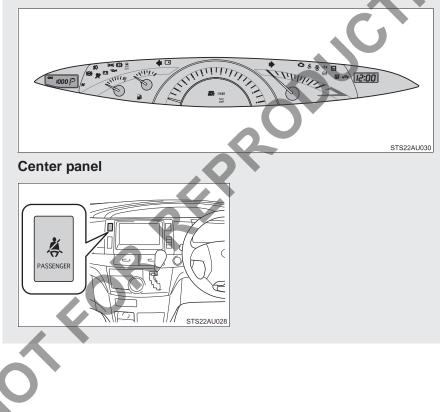
- Do not let the indicator needle of the tachometer enter the red zone, which indicates the maximum engine speed.
- The engine may be overheating if the engine coolant temperature gauge is in the red zone (H). In this case, immediately stop the vehicle in a safe place, and check the engine after it has cooled completely. (→P. 489)

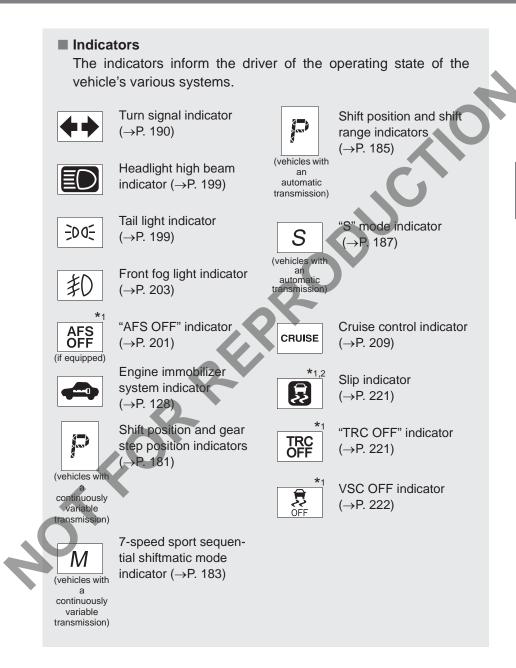
## 2-2. Instrument cluster Indicators and warning lights

The indicators and warning lights on the instrument cluster and center panel inform the driver of the status of the vehicle's various systems.

For the purpose of explanation, the following illustration displays all indicators and warning lights illuminated.

#### Instrument cluster



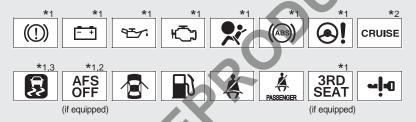


*1: These lights turn on when the "ENGINE START STOP" switch is turned to IGNITION ON mode to indicate that a system check is being performed. They will turn off after the engine is started, or after a few seconds. There may be a malfunction in a system if a light does not come on, or if the lights do not turn off. Have the vehicle inspected by your Toyota dealer.

*2: The light flashes to indicate that the system is operating.

#### Warning lights

Warning lights inform the driver of malfunctions in any of the vehicle's systems.  $(\rightarrow P. 453)$ 



- *1: These lights turn on when the "ENGINE START STOP" switch is turned to IGNITION ON mode to indicate that a system check is being performed. They will turn off after the engine is started, or after a few seconds. There may be a malfunction in a system if a light does not come on, or if the lights do not turn off. Have the vehicle inspected by your Toyota dealer.
- *2: The light flashes to indicate a malfunction.
  - ³: The light turns on to indicate a malfunction.

## CAUTION

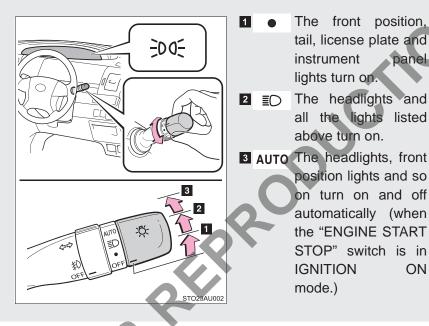
#### If a safety system warning light does not come on

Should a safety system light such as the ABS and SRS warning light not come on when you start the engine, this could mean that these systems are not available to help protect you in an accident, which could result in death or serious injury. Have the vehicle inspected by your Toyota dealer immediately if this occurs.

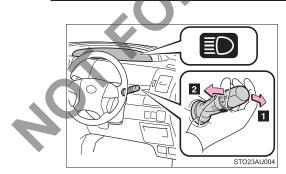
## 2-3. Operating the lights and wipers **Headlight switch**

#### The headlights can be operated manually or automatically.

Turning the end of the lever turns on the lights as follows:



#### Turning on the high beam headlights



1 With the headlights on, push the lever away from you to turn on the high beams.

Pull the lever toward you to the center position to turn the high beams off.

2 Pull the lever toward you and release it to flash the high beams once.

You can flash the high beams with the headlights on or off.

panel

ON

#### Manual headlight leveling dial (if equipped)

The level of the headlights can be adjusted according to the number of passengers and the loading condition of the vehicle.

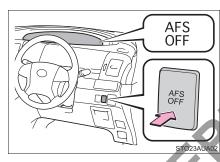
	Raises the level of the head- ights Lowers the level of the head- ights
Loading condition	Control switch position
Driver only, or Driver + one passenger in the front seat	0
Driver + one passenger in the front seat, and all passengers in the rear seats far- thest to the rear	1.5
All passengers	2
All passengers + full luggage loading to the luggage room	2.5
Driver + full luggage loading to the luggage room	3.5
40,	

## AFS (Adaptive Front-lighting System) (if equipped)

AFS (Adaptive Front-lighting System) secures excellent visibility at intersections and on curves by automatically adjusting the direction of the light axis of the headlights according to vehicle speed and the degree of the tire's angle as controlled by steering input.

AFS operates at speeds of 10 km/h (6 mph) or higher.

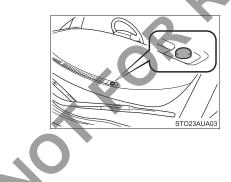
## Deactivating AFS



## Turns the AFS on/of

The indicator turns on when the AFS is deactivated.

#### Headlight control sensor



The sensor may not function properly if an object is placed on the sensor, or anything that blocks the sensor is affixed to the windshield.

Doing so interferes with the sensor detecting the level of ambient light and may cause the automatic headlight system to malfunction.

#### Automatic light off system

The headlights and tail lights turn off automatically if the "ENGINE START STOP" switch is turned to ACCESSORY mode or turned off and any door except the back door is opened.

To turn the lights on again, turn the "ENGINE START STOP" switch to IGNITION ON mode, or turn the light switch off once and then back to

● or ≣◯ .

#### Automatic headlight leveling system (vehicles with discharge headlights)

The level of the headlights is automatically adjusted according to the number of passengers and the loading condition of the vehicle to ensure that the headlights do not interfere with other road users.

#### If the "AFS OFF" indicator flashes (vehicles with discharge headlights)

It may indicate a malfunction in the system. Contact your Toyota dealer.

#### Light reminder buzzer

With the "ENGINE START STOP" switch turned off, if the driver's door is opened while the lights are turned on, a buzzer will sound.

#### Customization that can be configured at Toyota dealer

Settings (e.g. light sensor sensitivity) can be changed. (Customizable features  $\rightarrow$ P 511)

#### **NOTICE**

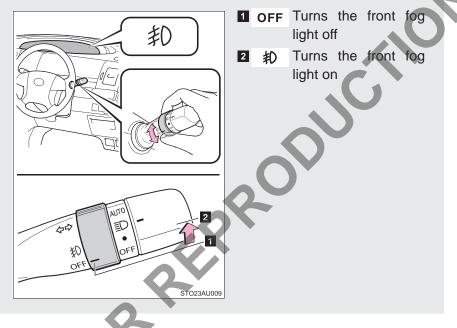
#### To prevent battery discharge

Do not leave the lights on longer than necessary when the engine is not running.

## 2-3. Operating the lights and wipers **Fog light switch**

The fog lights secure excellent visibility in difficult driving conditions, such as in rain and fog.

Front fog light switch



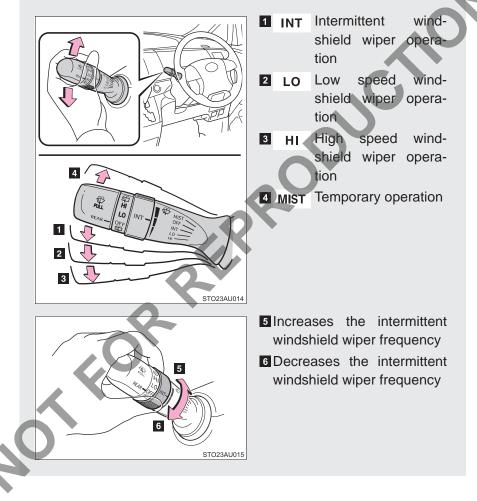
#### Fog lights can be used when

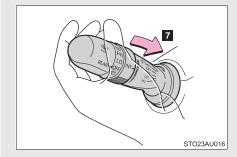
The headlights or front position lights are turned on.

## 2-3. Operating the lights and wipers Windshield wipers and washer

When "INT" is selected, the wiper interval can be adjusted for intermittent operation.

The wiper operation is selected by moving the lever as follows:





#### Washer/wiper dual operation

The wipers will automatically operate a couple of times after the washer squirts.

The wipers will automatically operate a couple of times after the washer squirts.

#### The windshield wipers and washer can be operated when

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

#### If no windshield washer fluid sprays

Check that the washer nozzles are not blocked if there is washer fluid in the windshield washer fluid reservoir.

## 

#### Caution regarding the use of washer fluid

When it is cold, do not use the washer fluid until the windshield becomes warm. The fluid may freeze on the windshield and cause low visibility. This may lead to an accident, resulting in death or serious injury.

#### 

#### When the windshield is dry

Do not use the wipers, as they may damage the windshield.

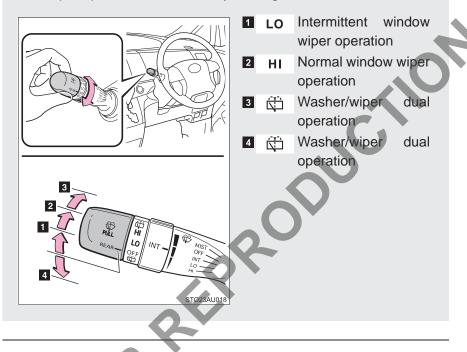
#### When the washer fluid tank is empty

Do not operate the switch continually as the washer fluid pump may overheat.

#### When a nozzle becomes blocked

In this case, contact your Toyota dealer. Do not try to clear it with a pin or other object. The nozzle will be damaged.

## 2-3. Operating the lights and wipers Rear window wiper and washer



The wiper operation is selected by moving the lever as follows:

#### The rear window wiper and washer can be operated when

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

#### If no washer fluid sprays

Check that the washer nozzle is not blocked if there is washer fluid in the washer fluid reservoir.

## NOTICE

#### When the rear window is dry

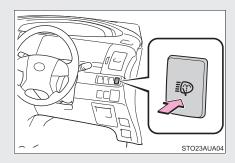
Do not use the wiper, as it may damage the rear window.

#### When the washer fluid tank is empty

Do not operate the switch continually as the washer fluid pump may overheat.

## 2-3. Operating the lights and wipers Headlight cleaner switch^{*}

#### Washer fluid can be sprayed on the headlights.



Press the switch to clean the headlights.

#### The headlight cleaners can be operated when

The "ENGINE START STOP" switch is in IGNITION ON mode and the headlight switch is turned on.

#### Windshield washer linked operation

Only for the first time when the windshield washer is operated with the "ENGINE START STOP" switch in IGNITION ON mode and the headlights on, the headlight cleaners will operate once. ( $\rightarrow$ P. 204)

#### 

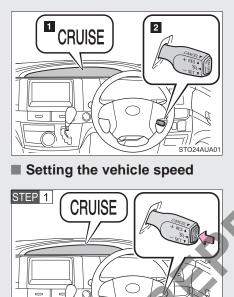
#### When the washer fluid tank is empty

Do not press the switch continually as the washer fluid pump may overheat.

## 2-4. Using other driving systems **Cruise control**

Use the cruise control to maintain a set speed without depressing the accelerator pedal.

STO24AUA02



STEP 2 STO24AU003 1 Indicator 2 Cruise control switch

Press the "ON-OFF" button to activate the cruise control.

Cruise control indicator will come on.

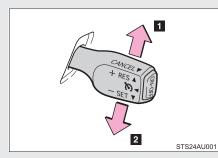
Press the button again to deactivate the cruise control.

Accelerate or decelerate the vehicle to the desired speed, and push the lever down to set the speed.

The vehicle speed at the moment the lever is released becomes the set speed.

#### Adjusting the set speed

To change the set speed, operate the lever until the desired set speed is obtained.



1 Increases the speed

2 Decreases the speed.

Fine adjustment: Momentarily move the lever in the desired direction.

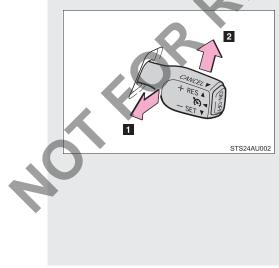
Large adjustment: Hold the lever in the desired direction.

The set speed will be increased or decreased as follows:

Fine adjustment: By approximately 1.6 km/h (1 mph) each time the lever is operated.

Large adjustment: The set speed can be increased or decreased continually until the lever is released.

#### Canceling and resuming the constant speed control



Pulling the lever toward you cancels the constant speed control.

The speed setting is also canceled when the brakes are applied.

Pushing the lever up resumes the constant speed control.

Resuming is available when the vehicle speed is more than approximately 40 km/h (25 mph).

#### Cruise control can be set when

- Vehicles with a continuously variable transmission: The shift lever is in the D or gear step 4 or higher of M has been selected.
- Vehicles with an automatic transmission: The shift lever is in the D or range 4 or higher of S has been selected.
- Vehicle speed is above approximately 40 km/h (25 mph).

#### Accelerating after setting the vehicle speed

- The vehicle can be accelerated normally. After acceleration, the set speed resumes.
- Even without canceling the cruise control, the set speed can be increased by first accelerating the vehicle to the desired speed and then pushing the lever down to set the new speed.

#### Automatic cruise control cancellation

Cruise control will stop maintaining the vehicle speed in any of the following situations.

• Actual vehicle speed falls more than approximately 16 km/h (10 mph) below the preset vehicle speed.

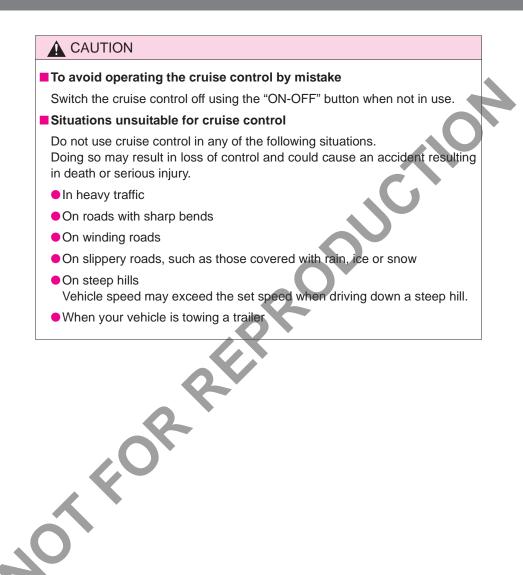
At this time, the memorized set speed is not retained.

- Actual vehicle speed is below approximately 40 km/h (25 mph).
- VSC is activated.

#### If the cruise control indicator light flashes

Press the "ON-OFF" button once to deactivate the system, and then press the button again to reactivate the system.

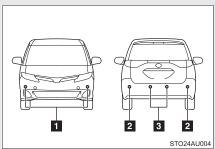
If the cruise control speed cannot be set or if the cruise control cancels immediately after being activated, there may be a malfunction in the cruise control system. Have the vehicle inspected by your Toyota dealer.



## 2-4. Using other driving systems Toyota parking assist-sensor*

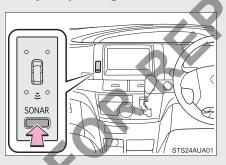
The distance from your vehicle to nearby obstacles when parallel parking or maneuvering into a garage is measured by the sensors and communicated via an indicator and a buzzer. Always check the surrounding area when using this system.

Types of sensors



Front corner sensors
 Rear corner sensors
 Rear center sensors

Toyota parking assist-sensor switch



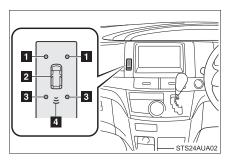
Turns the Toyota parking assist-sensor on/off

When on, the indicator light comes on and the buzzer sounds to inform the driver that the system is operational.

*: If equipped

#### Display

When the sensors detect an obstacle, the Toyota parking assist-sensor indicator is illuminated by an LED depending on position and distance to the obstacle.



1 Front corner sensor operation

2 Vehicle indicator

3 Rear corner sensor operation

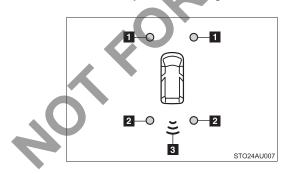
4 Rear center sensor operation

#### The distance display and buzzer

When a sensor detects an obstacle, the direction of and the approximate distance to the obstacle are displayed and the buzzer sounds.

#### Sensor operation and distance to an obstacle

The system operates when the vehicle approaches an obstacle, as shown by the following table.



#### 1 Front corner sensor

Distance to an obstacle cm (ft.)	Indicator	Buzzer	
Approximately 60 - 45 (2.0 - 1.5)	Flash	Intermittent	
Approximately 45 - 30 (1.5 - 1.0)	Flash	Fast intermittent	
Approximately 30 or less (1.0 or less)	On	Continuous	

#### 2 Rear corner sensor

Distance to an obstacle cm (ft.)	Indicator	Buzzer
Approximately 60 - 45 (2.0 - 1.5)	Flash	Intermittent
Approximately 45 - 30 (1.5 - 1.0)	Flash	Fast intermittent
Approximately 30 or less (1.0 or less)	On	Continuous

#### 3 Rear center sensor

Distance to an obstacle cm (ft.)	Indicator	Buzzer
Approximately 150 - 60 (4.9 - 2.0)	Flash	Intermittent
Approximately 60 - 45 (2.0 - 1.5)	Flash	Fast intermittent
Approximately 45 - 35 (1.5 - 1.1)	Flash	Very fast intermittent
Approximately 35 or less (1.1 or less)	On	Continuous

## Buzzer operation and distance to an obstacle

A buzzer sounds when the corner sensors and center sensors are operating.



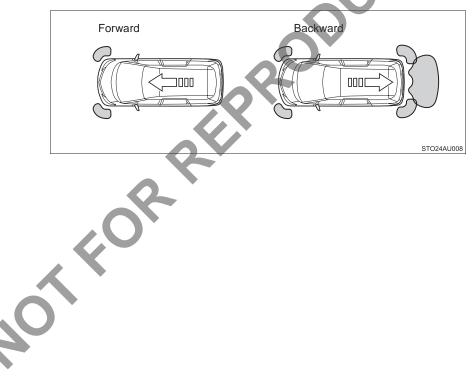
• The buzzer beeps faster as the vehicle approaches an obstacle. When the vehicle comes within the following distance of the obstacle, the buzzer sounds continuously.

- Front corner sensors: Approximately 30 cm (1.0 ft.)
- Rear corner sensors: Approximately 30 cm (1.0 ft.)
- Rear center sensors: Approximately 35 cm (1.1 ft.)

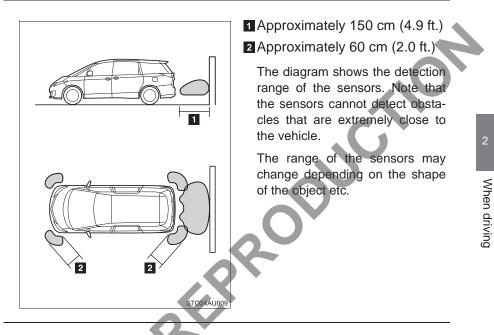
• When obstacles are simultaneously detected in front and to the rear:

- The buzzer sounds in response to the nearest obstacle.
- When an obstacle either in front or to the rear is extremely close, the buzzer will alternate between sounding continuously and sounding intermittently.
- When obstacles both in front and to the rear are extremely close, the buzzer will alternate between sounding continuously and sounding intermittently, with a shorter interval.

#### Sensors that operate



## Detection range of the sensors



#### The Toyota parking assist-sensor can be operated when

The Toyota parking assist-sensor switch is on.

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

Front corner sensors:

- The shift lever is in a position other than P.
- The vehicle speed is less than about 10 km/h (6 mph).

Rear corner and rear center sensors:

The shift lever is in R.

#### Sensor detection information

- Certain vehicle conditions and the surrounding environment may affect the ability of a sensor to correctly detect an obstacle. Particular instances where this may occur are listed below.
  - There is dirt, snow or ice on a sensor. (Wiping the sensors will resolve this problem.)
  - The sensor is frozen. (Thawing the area will resolve this problem.) In especially cold weather, if a sensor is frozen the screen may show an abnormal display, or obstacles may not be detected.
  - The sensor is covered in any way.
  - The vehicle is leaning considerably to one side.
  - On an extremely bumpy road, on an incline, on gravel, or on grass.
  - The vicinity of the vehicle is noisy due to vehicle horns, motorcycle engines, air brakes of large vehicles, or other loud noises producing ultrasonic waves.
  - There is another vehicle equipped with parking assist sensors in the vicinity.
  - The sensor is coated with a sheet of spray or heavy rain.
  - The vehicle is equipped with a fender pole or radio antenna.
  - Towing eyelet is installed.
  - The bumper or sensor receives a strong impact.
  - The vehicle is approaching a tall or right-angled curb.
  - In harsh sunlight or intense cold weather.
  - The area directly under the bumpers is not detected.
  - If obstacles draw too close to the sensor.
  - A non-genuine Toyota suspension (lowered suspension etc.) is installed.

In addition to the examples above, there are instances in which, because of their shape, signs and other objects may be judged by a sensor to be closer than they are.



- The shape of the obstacle may prevent a sensor from detecting it. Pay particular attention to the following obstacles:
  - Wires, fences, ropes, etc.
  - · Cotton, snow and other materials that absorb sound waves
  - Sharply-angles objects
  - · Low obstacles
  - Tall obstacles with upper sections projecting outwards in the direction of your vehicle
  - · A person near the vehicle (depending on the type of clothers worn)

#### When to contact your Toyota dealer

In the following cases, have your Toyota dealer check the system.

- When the bumper is damaged.
- When the indicator is continuously on.

### **CAUTION**

#### Caution when using the Toyota parking assist-sensor

Observe the following precautions.

Failing to do so may result in the vehicle being unable to be driven safely and possibly cause an accident.

• Do not use the sensor at speeds in excess of 10 km/h (6 mph).

• Do not attach any accessories within the sensor range.

## ▲ NOTICE

#### Notes when washing the vehicle

Do not apply intensive bursts of water or steam to the sensor area. Doing so may result in the sensor malfunctioning.

# 2-4. Using other driving systems **Driving assist systems**

To help enhance driving safety and performance, the following systems operate automatically in response to various driving situations. Be aware, however, that these systems are supplementary and should not be relied upon too heavily when operating the vehicle.

#### ABS (Anti-lock Brake System)

Helps to prevent wheel lock when the brakes are applied suddenly, or if the brakes are applied while driving on a slippery road surface

#### Brake assist

Generates an increased level of braking force after the brake pedal is depressed when the system detects a panic stop situation

#### VSC (Vehicle Stability Control)

Helps the driver to control skidding when swerving suddenly or turning on slippery road surfaces

Provides cooperative control of the ABS, TRC, VSC and EPS. Helps to maintain directional stability when swerving on slippery road surfaces by controlling steering performance.

#### TRC (Traction Control)

Helps to maintain drive power and prevent the drive wheels from spinning when starting the vehicle or accelerating on slippery roads

#### Hill-start assist control

Helps to prevent the vehicle from rolling backward when starting on an incline slippery slope

#### EPS (Electric Power Steering)

Employs an electric motor to reduce the amount of effort needed to turn the steering wheel

## When the TRC/VSC systems are operating

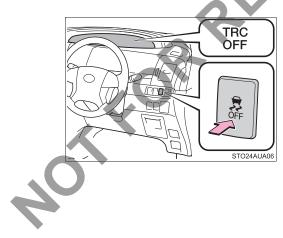


The slip indicator light will flash while the TRC/VSC systems are operating.

## Disabling the TRC systems

If the vehicle gets stuck in mud, dirt or snow, the TRC system may

reduce power from the engine to the wheels. Pressing to turn the system off may make it easier for you to rock the vehicle in order to free it.



To turn the TRC system off,

quickly press and release

The "TRC OFF" indicator light will come on.

2

Press again to turn the system back on.

#### Turning off both TRC and VSC systems

To turn the TRC and VSC systems off, press and hold 3 seconds while the vehicle is stopped.

for more than

The "TRC OFF" indicator light and the VSC OFF indicator light will come on

Press

again to turn the systems back on.

#### When the "TRC OFF" indicator light comes on even if has not

#### been pressed

TRC cannot be operated. Contact your Toyota dealer.

## Sounds and vibrations caused by the ABS, brake assist, TRC, VSC and hill-start assist control systems

- A sound may be heard from the engine compartment when the brake pedal is depressed repeatedly, when the engine is started or just after the vehicle begins to move. This sound does not indicate that a malfunction has occurred in any of these systems.
- Any of the following conditions may occur when the above systems are operating. None of these indicates that a malfunction has occurred.
  - Vibrations may be felt through the vehicle body and steering.
  - A motor sound may be heard after the vehicle comes to a stop.
  - The brake pedal may pulsate slightly after the ABS is activated.
  - The brake pedal may move down slightly after the ABS is activated.

#### EPS operation sound

When the steering wheel is operated, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

#### Automatic reactivation of TRC and VSC systems



After turning the TRC and VSC systems off, the systems will be automatically re-enabled in the following situations:

• When the "ENGINE START STOP" switch is turned off

 If only the TRC system is turned off, the TRC will turn on when vehicle speed increases

If both the TRC and VSC systems are turned off, automatic re-enabling will not occur when vehicle speed increases.

#### Operating conditions of hill-start assist control

When the following four conditions are met, the hill-start assist control will operate:

- The shift lever is in a position other than P or N (when starting off forward/backward on an upward incline).
- The vehicle is stopped.
- The accelerator pedal is not depressed.
- The parking brake is not engaged.

#### Automatic system cancelation of hill-start assist control

The hill-start assist control will turn off in any of the following situations:

- The shift lever is moved to P or N.
- The accelerator pedal is depressed.
- The parking brake is engaged.
- Approximately 2 seconds elapse after the brake pedal is released.

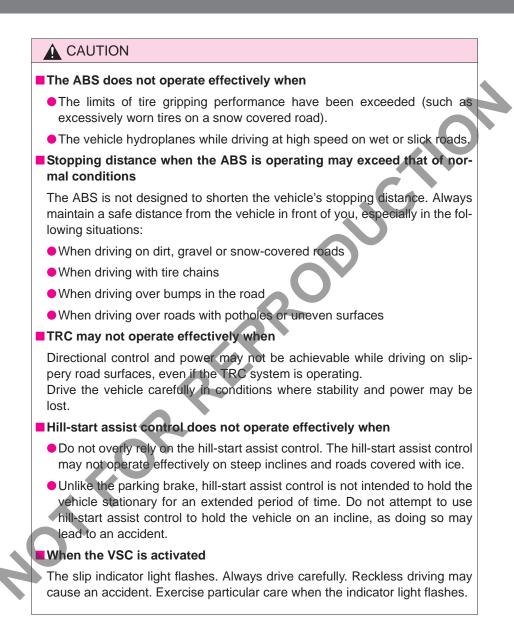
#### Reduced effectiveness of the EPS system

The effectiveness of the EPS system is reduced to prevent the system from overheating when there is frequent steering input over an extended period of time. The steering wheel may feel heavy as a result. Should this occur, refrain from excessive steering input or stop the vehicle and turn the engine off. The EPS system should return to normal within 10 minutes.

#### If the slip indicator light comes on...

It may indicate a malfunction in the driving assist systems. Contact your Toyota dealer.

NOT



## **CAUTION**

#### When the TRC/VSC systems are turned off

Be especially careful and drive at a speed appropriate to the road conditions. As these are the systems to help ensure vehicle stability and driving force, do not turn the TRC/VSC systems off unless necessary.

#### Replacing tires

Make sure that all tires are of the specified size, brand, tread pattern and total load capacity. In addition, make sure that the tires are inflated to the recommended tire inflation pressure level.

The ABS, TRC and VSC systems will not function correctly if different tires are installed on the vehicle.

Contact your Toyota dealer for further information when replacing tires or wheels.

#### Handling of tires and the suspension

Using tires with any kind of problem or modifying the suspension will affect the driving assist systems, and may cause a system to malfunction.

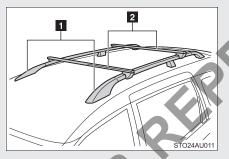
When driving

Take notice of the following information about storage precautions, cargo capacity and load:

- Stow cargo and luggage in the luggage compartment whenever possible.
- Be sure all items are secured in place.
- To maintain vehicle balance while driving, position luggage evenly within the luggage compartment.

• For better fuel economy, do not carry unnecessary weight.

#### Roof luggage carrier (if equipped)

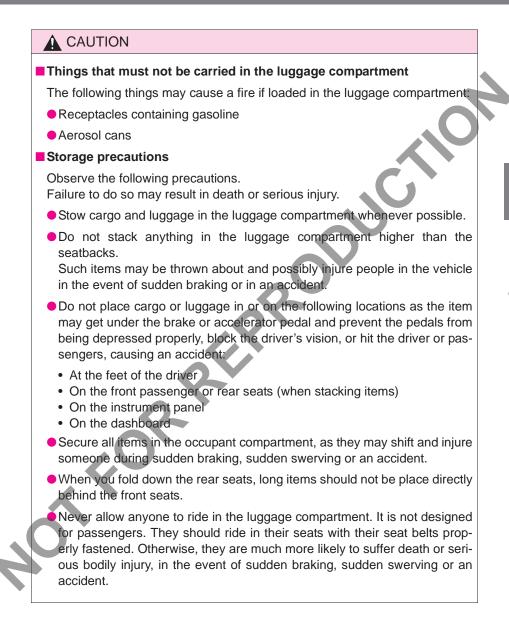


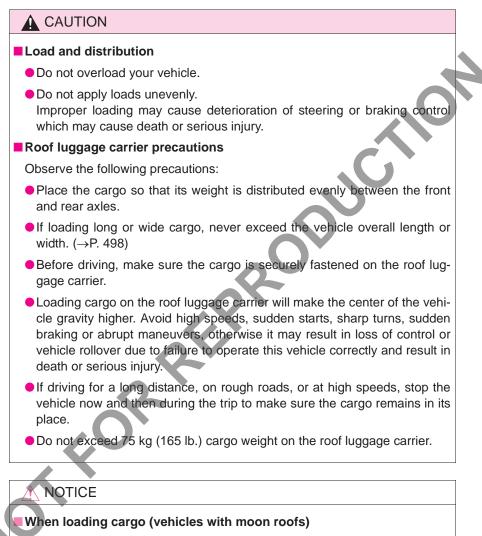
## 1 Roof rails

2 Cross rails

To use the roof rails as a roof luggage carrier, you must fit the roof rails with two or more genuine Toyota cross rails or their equivalent.

Follow the manufacturer's instructions and precautions when installing the cross rails or their equivalent.





Be careful not to scratch the surface of the moon roofs.

Carry out the necessary preparations and inspections before driving the vehicle in winter. Always drive the vehicle in a manner appropriate to the prevailing weather conditions.

#### Pre-winter preparations

- Use fluids that are appropriate to the prevailing outside temperatures.
  - Engine oil
  - Engine coolant
  - Washer fluid
- Have a service technician inspect the condition of the battery.
- Have the vehicle fitted with four snow tires or purchase a set of tire chains for the front tires.

Ensure that all tires are the same size and brand, and that their wear level is not noticeably different with each other. Also make sure that chains match the size of the tires.

#### Before driving the vehicle

Perform the following according to the driving conditions:

 Do not try to forcibly open a window or move a wiper that is frozen. Pour warm water over the frozen area to melt the ice.
 Wipe away the water immediately to prevent it from freezing.

• To ensure proper operation of the climate control system fan, remove any snow that has accumulated on the air inlet vents in front of the windshield.

Check for and remove any excess ice or snow that may have accumulated on the exterior lights, vehicle's roof, chassis, around the tires or on the brakes.

 Remove any snow or mud from the bottom of your shoes before getting in the vehicle.

#### When driving the vehicle

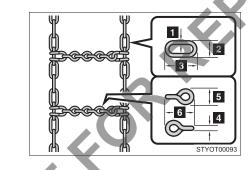
Accelerate the vehicle slowly, keep a safe distance between you and the vehicle ahead, and drive at a reduced speed suitable to road conditions.

#### When parking the vehicle

Park the vehicle and move the shift lever to P without setting the parking brake. The parking brake may freeze up, preventing it from being released. If necessary, block the wheels to prevent inadvertent sliding or creeping.

#### Selecting tire chains

Use the correct tire chain size when mounting the tire chains. Chain size is regulated for each tire size.



#### Side chain

13 mm (0.12 in.) in diameter

2 10 mm (0.39 in.) in width

**3** 30 mm (1.18 in.) in length

#### Cross chain

4 mm (0.16 in.) in diameter

5 14 mm (0.55 in.) in width

6 25 mm (0.98 in.) in length

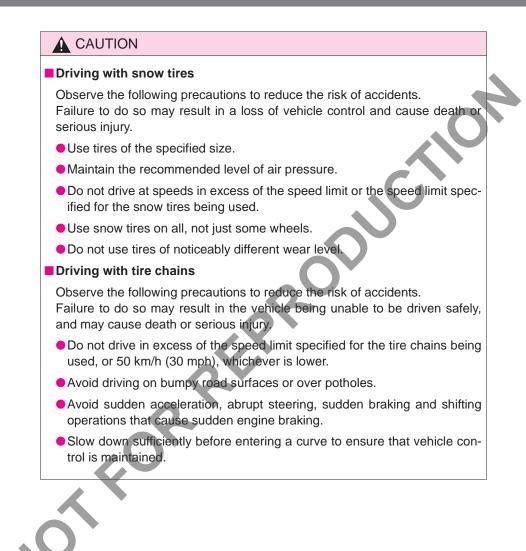
#### Regulations on the use of tire chains

Regulations regarding the use of tire chains vary depending on location and type of road. Always check local regulations before installing chains.

#### Tire chain installation

Observe the following precautions when installing and removing chains:

- Install and remove tire chains in a safe location.
- Install tire chains on the front tires only. Do not install tire chains on the rear tires.
- Install tire chains on front tires as tightly as possible. Retighten chains after driving 0.5 1.0 km (1/4 1/2 mile).
- Install tire chains following the instructions provided with the tire chains.
- If wheel ornaments are used, they will be scratched by the chain band, so remove the ornaments before putting on the chains. ( $\rightarrow$ P. 465)



Your vehicle is designed primarily as a passenger carrying vehicle. Towing a trailer will have an adverse effect on handling, performance, braking, durability, and fuel consumption. Your safety and satisfaction depend on the proper use of correct equipment and cautious driving habits. For your safety and the safety of others, do not overload the vehicle or trailer.

To tow a trailer safely, use extreme care and drive the vehicle in accordance with the trailer's characteristics and operating conditions.

Toyota warranties do not apply to damage or malfunction caused by towing a trailer for commercial purposes.

For towing purposes, when the total trailer weight is greater than the vehicle weight, we recommend use of a sway control device.

#### Weight limits

Confirm that the total trailer weight, gross vehicle weight, gross axle weight and trailer tongue load are all within the limits.

#### Gross vehicle weight

The gross vehicle weight must not exceed the following.

2AZ-FE engine: 2430 kg (5357 lb.) 2GR-FE engine: 2500 kg (5512 lb.)

The gross vehicle weight is the sum weight of the unloaded vehicle, driver, passengers, luggage, hitch and trailer tongue load. Also included is the weight of any special equipment installed on your vehicle.

#### Gross axle weight

The load on either the front or rear axle resulting from distribution of the gross vehicle weight on both axles must not exceed the following:

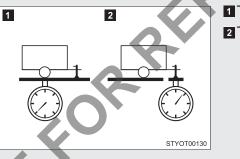
Front: 1270 kg (2799 lb.) Rear: 1340 kg (2954 lb.)

#### Trailer tongue load

The trailer cargo load should be distributed so that the tongue load is 9 to 11% of the total trailer weight, not exceeding 160 kg (352 lb.).

(Tongue load/Total trailer weight  $\times$  100 = 9 to 11%)

The total trailer weight and tongue load can be measured with platform scales found at highway weighing stations, building supply companies, trucking companies, junk yards, etc.



Total trailer weight
 Tongue load

#### **Towing a trailer**

Contact your Toyota dealer for further information about additional requirements such as a towing kits etc.

#### Hitch

Trailer hitch assemblies have different weight capacities established by the hitch manufacturer. Even though the vehicle may be rated for towing a higher weight, the operator must never exceed the maximum weight rating specified for the trailer hitch.

#### Before towing

Check that the following conditions are met:

- The vehicle's tires are properly inflated. ( $\rightarrow$ P. 507)
- Trailer tires are inflated according to the trailer manufacturer's recommendation.
- All trailer lights work.
- All lights work each time you connect them.
- The trailer ball is set up at the proper height for the coupler on the trailer.
- The trailer is level when it is hitched.

Do not drive if the trailer is not level, and check for improper tongue weight, overloading, worn suspension, or other possible causes.

- The trailer cargo is securely loaded.
- The rear view mirrors conform to all applicable federal, state/provincial or local regulations. If they do not, install rear view mirrors appropriate for towing purposes.

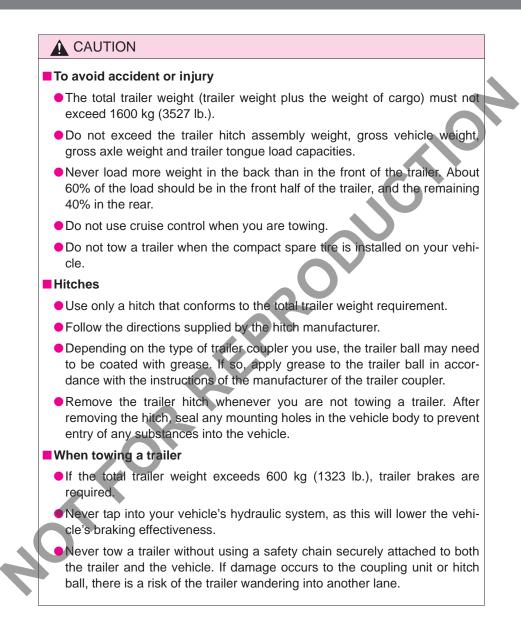
#### Break-in schedule

Toyota recommends that you do not use a new vehicle or a vehicle with any new power train components (engine, transmission, differential, wheel bearings, etc.) to tow a trailer for the first 800 km (500 miles) of driving.

#### Maintenance

If you tow a trailer, your vehicle will require more frequent maintenance due to the additional load. (See "Warranty and Service Booklet".)

Retighten the fixing bolts of the towing ball and bracket after approximately 1000 km (600 miles) of trailer towing.



## 

#### When installing a trailer hitch

- Use only the position recommended by your Toyota dealer. Do not install the trailer hitch on the bumper; this may cause body damage.
- Do not use axle-mounted hitches, as they can cause damage to the axle housing, wheel bearings, wheels or tires.

#### Brakes

Toyota recommends trailers with brakes that conform to all applicable federal and state/provincial regulations.

#### Do not directly splice trailer lights

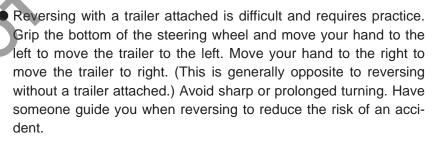
Directly splicing trailer lights may damage your vehicle's electrical system and cause a malfunction.

#### Trailer towing tips

Your vehicle will handle differently when towing a trailer. In order to avoid accident, death or serious injury, keep the following in mind when towing:

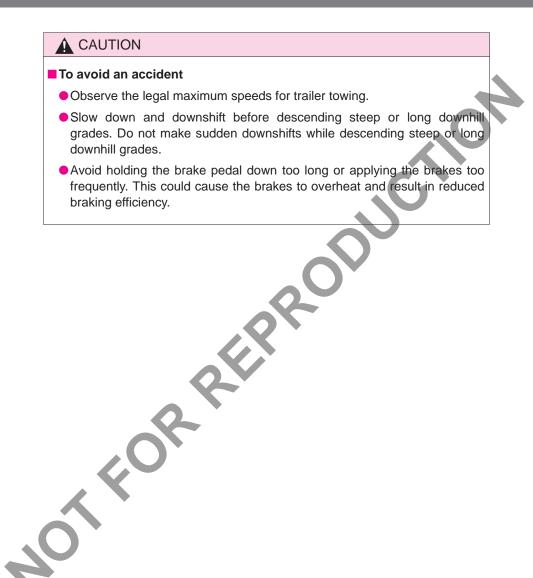
 Before starting out, check the trailer lights and the vehicle-trailer connections. Recheck after driving a short distance.

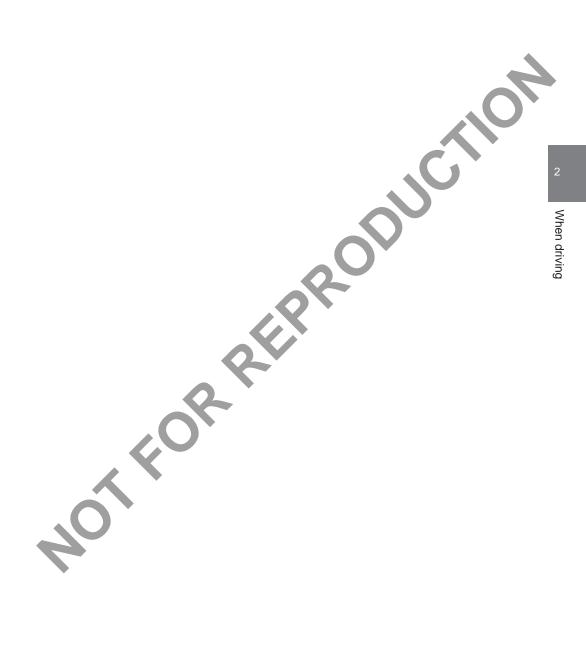
 Practice turning, stopping and reversing with the trailer attached in an area away from traffic until you become accustomed to the feel of the vehicle.



- As stopping distance is increased when towing a trailer, vehicle-tovehicle distance should be increased. For each 16 km/h (10 mph) of speed, allow at least one vehicle and trailer length.
- Avoid sudden braking as you may skid, resulting in jackknifing and loss of control. This is especially true on wet or slippery surfaces.
- Avoid jerky starts or sudden acceleration.
- Avoid jerky steering and sharp turns, and slow down before making turns.
- Note that when making a turn, the trailer wheels will be closer than the vehicle wheels to the inside of the turn. Compensate by making a larger than normal turning radius.
- Crosswinds and rough roads will adversely affect handling of your vehicle and trailer, causing sway. Periodically check the rear to prepare for being passed by large trucks or buses, which may cause your vehicle and trailer to sway. If swaying occurs, firmly grip the steering wheel, reduce speed immediately but gradually, and steer straight ahead. Never increase speed. If you make no extreme correction with the steering or brakes, your vehicle and trailer.
- Take care when passing other vehicles. Passing requires considerable distance. After passing a vehicle, do not forget the length of your trailer, and be sure you have plenty of room before changing lanes.
  - Vehicles with a continuously variable transmission: To maintain engine braking efficiency and charging system performance when using engine braking, do not use the transmission in D, must be in M and select gear step 4 or lower. ( $\rightarrow$ P. 183)
- Vehicles with an automatic transmission: To maintain engine braking efficiency and charging system performance when using engine braking, do not use the transmission in D. Transmission shift range position must be in 4 or 5, in S mode. (→P. 188)

- Due to the added load of the trailer, your vehicle's engine may overheat on hot days (at temperatures over 30°C [85°F]) when driving up a long or steep grade. If the engine coolant temperature gauge indicates overheating, immediately turn off the air conditioning (if in use), pull your vehicle off the road and stop in a safe spot. (→P. 489)
- Always place wheel blocks under both the vehicle and the trailer wheels when parking. Apply the parking brake firmly, and put the transmission in P. Avoid parking on a slope, but if unavoidable, do so only after performing the following:
- STEP 1 Apply the brakes and keep them applied.
- STEP 2 Have someone place wheel blocks under both the vehicle and trailer wheels.
- STEP 3 When the wheel blocks are in place, release the brakes slowly until the blocks absorb the load.
- STEP 4 Apply the parking brake firmly.
- STEP 5 Shift into P and turn off the engine.
- When restarting after parking on a slope:
- STEP 1 With the transmission in P depressed, start the engine. Be sure to keep the brake pedal depressed.
- STEP 2 Shift into a forward gear. If reversing, shift into R.
- STEP 3 Release the parking brake (also brake pedal), and slowly pull or back away from the wheel blocks. Stop and apply the brakes.
- STEP 4 Have someone retrieve the blocks.





# 3-1. Using the air conditioning system and defogger

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## **Interior features**

3

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

Rear seat entertainment	
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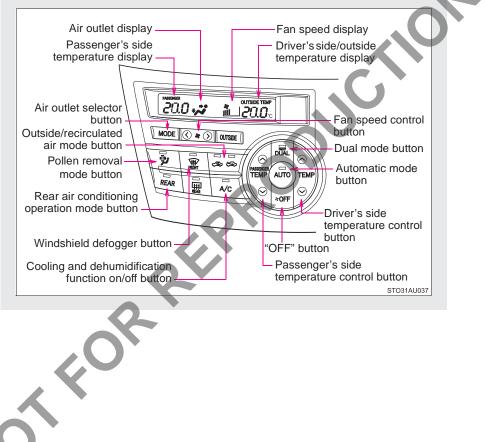
## 3-6. Other interior features

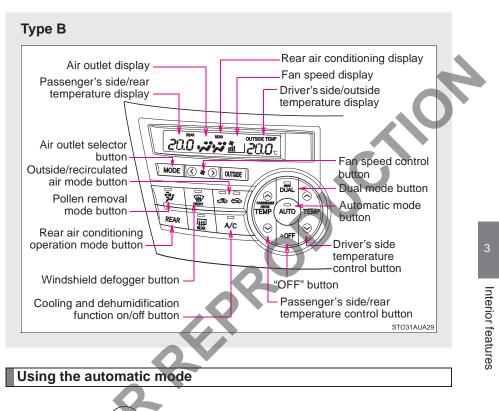
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## 3-1. Using the air conditioning system and defogger Front automatic air conditioning system

Air outlets and fan speed are automatically adjusted according to the temperature setting.

#### Туре А





STEP 1 Press (AUTO

The air conditioning system begins to operate. Air outlets and fan speed are automatically adjusted according to the temperature setting.

STEP 2 Press " $\wedge$ " on  $\bigcirc$  to increase the temperature and " $\vee$ " to

decrease the temperature.



DÜÄL

is pressed (the indicator on

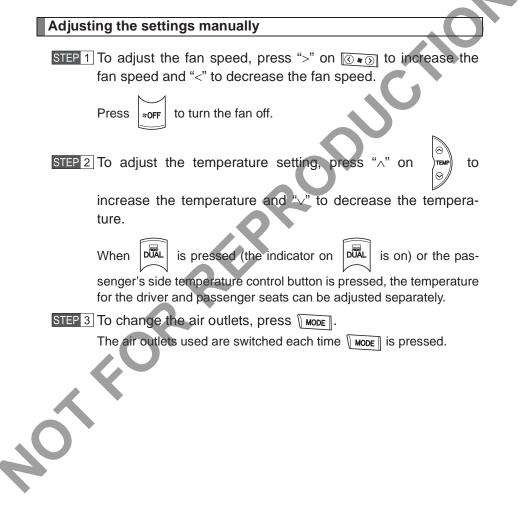
is on)

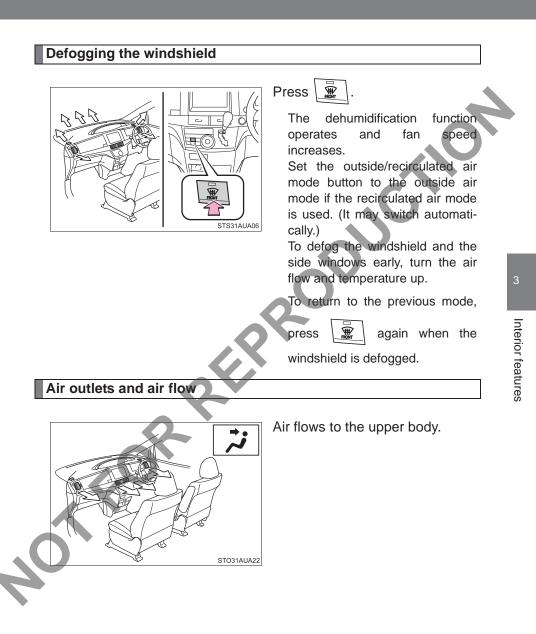
is on) or the pas-

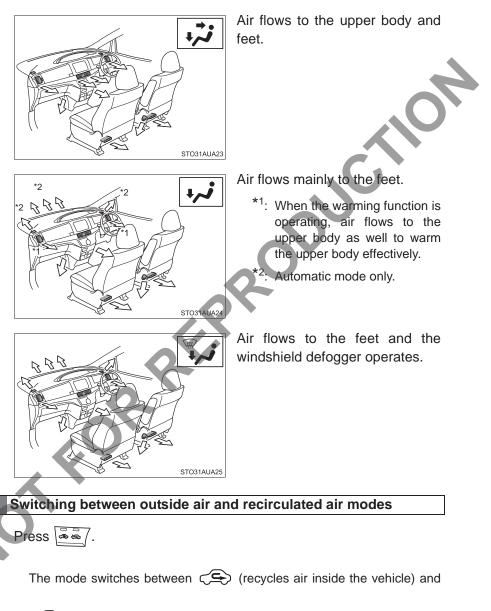
senger's side temperature control button is pressed, the temperature for the driver and passenger seats can be adjusted separately.

#### Automatic mode indicator

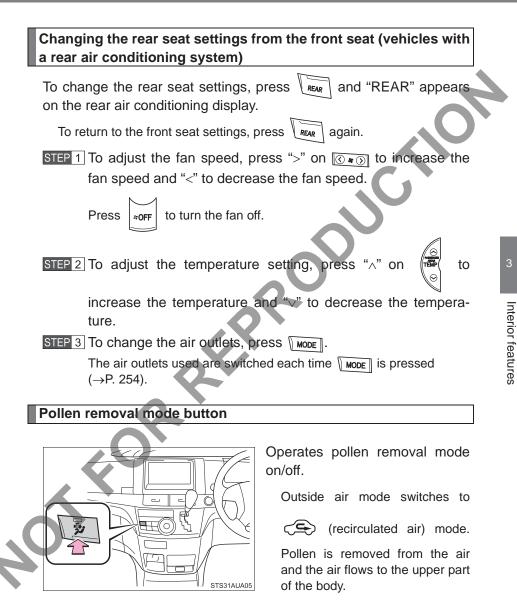
If the fan speed setting or air flow modes are operated, the automatic mode indicator goes off. However, automatic mode for functions other than that operated are maintained.







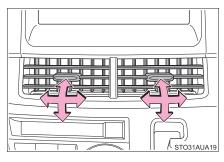
(introduces air from outside the vehicle) modes each time the button is pressed.



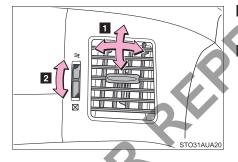
Usually the system will turn off automatically after approximately 3 minutes.

## Adjusting the position of and opening and closing the air outlets

#### Front center outlets



Front side outlets



Direct air flow to the left or right, up or down.

Direct air flow to the left or right, up or down.

2 Turn the knob to open or close the vent.

#### Using automatic mode

Fan speed is adjusted automatically in according to the temperature setting and the ambient conditions.

Therefore, the fan may stop for a while until warm or cool air is ready to flow



#### Fogging up of the windows

• The windows will easily fog up when the humidity in the vehicle is high.

Turning will dehumidify the air from the outlets and defog the windshield effectively.

If you turn we off, the windows may fog up more easily.

• The windows may fog up if the recirculated air mode is used.

#### Outside/recirculated air mode

• When driving on dusty roads such as tunnels or in heavy traffic, set the outside/recirculated air mode button to the recirculated air mode. This is effective in preventing outside air from entering the vehicle interior. During cooling operation, setting the recirculated air mode will also cool the vehicle interior effectively.

• Outside/recirculated air mode may automatically switch depending on the temperature setting or the inside temperature.

When the outside temperature falls to nearly 0°C (32°F)

The dehumidification function may not operate even when

pressed.

#### Pollen removal mode

 In order to prevent the windshield from fogging up when the outside air is cold, the following may occur:

Outside air mode does not switch to  $\subset$  (recirculated air) mode.

The dehumidification function operates.

The operation cancels after approximately 1 minute.

In rainy weather, the windows may fog up. Press

• In extremely humid weather, the windows may fog up.

• The pollens are filtered out even if the pollen removal mode is turned off.

is

## When the indicator light on k. flashes

Press 🐱 to turn off the cooling and dehumidification function and turn it

on again. There may be a problem in the air conditioning system if the indicator light continues to flash. Turn the air conditioning system off and have it inspected by your Toyota dealer.

## The flashing of the indicator on windshield air flow button and motor sound

When any of the following conditions occurs, the indicator light on the button may flash and a motor sound may be heard. This does not indicate a malfunction.

• The "ENGINE START STOP" switch is turned to ON mode after the battery is reconnected.

• Engine starting and stopping is repeated at short intervals.

• The engine is started with the low voltage battery.

#### Ventilation and air conditioning odors

- To let fresh air in, set the air conditioning system to the outside air mode.
- During use, various odors from inside and outside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to be emitted from the vents.
- To reduce potential odors from occurring:
  - It is recommended that the air conditioning system be set to outside air mode prior to turning the vehicle off.
  - The start timing of the blower may be delayed for a short period of time immediately after the air conditioning system is started in AUTO mode.

#### Using the rear air conditioning system (vehicles with a rear air conditioning system)

• The rear air conditioning system can be operated from the front air condi-

tioning control panel by pressing



If the system is left untouched for approximately 6 seconds after changing to the rear air conditioning system, the control mode in the front control panel returns to the front.

#### Air conditioning filter

→P. 404

## 

#### To prevent the windshield from fogging up

Do not use during cool air operation in extremely humid weather. The

difference between the temperature of the outside air and that of the windshield can cause the outer surface of the windshield to fog up, blocking your vision.

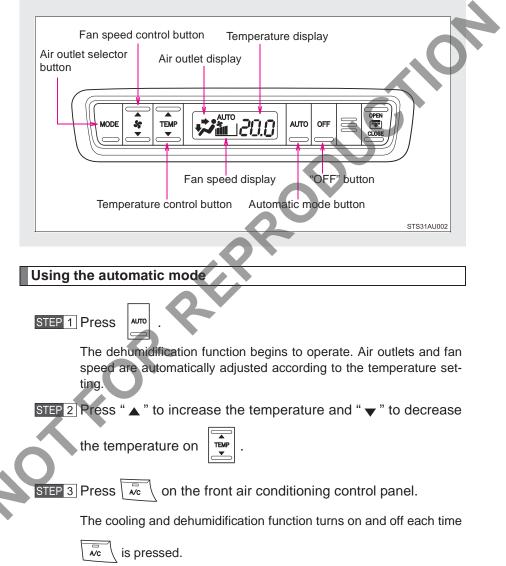
#### 

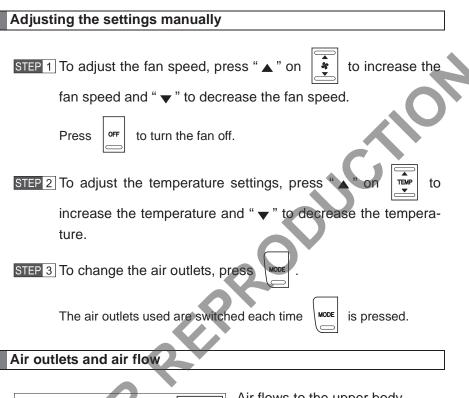
#### To prevent battery discharge

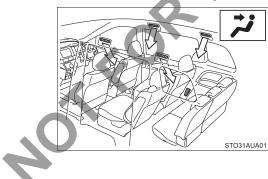
Do not leave the air conditioning system on longer than necessary when the engine is stopped.

# 3-1. Using the air conditioning system and defogger **Rear air conditioning system**^{*}

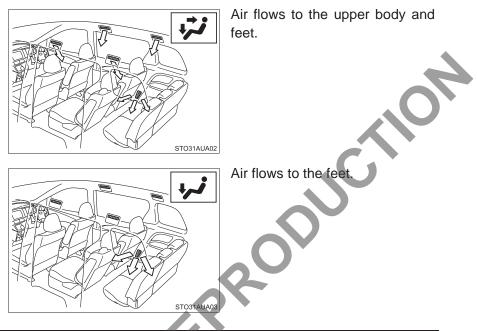
## Air outlets and fan speed are automatically adjusted according to the temperature setting.







Air flows to the upper body.



## Adjusting the position and opening and closing the air outlets



Direct air flow to the left or right and turn the knob to open or close the vent.

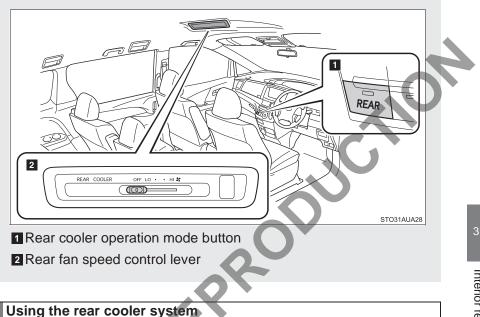
2 Direct air flow up or down.

## NOTICE

#### To prevent battery discharge

Do not leave the air conditioning system on longer than necessary when the engine is stopped.

# 3-1. Using the air conditioning system and defogger **Rear cooler system***



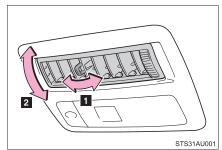
Press REAR on the front air conditioning control panel.

## Adjusting the fan speed

To adjust the fan speed, slide the rear fan speed control lever to the right (increase) or to the left (decrease).

Sliding the lever to "OFF" turns off the fan.

#### Adjusting the position and opening and closing the air outlets



- Direct air flow to the left or right and turn the knob to open or close the vent.
- 2 Direct air flow up or down.

🔥 NOTICE

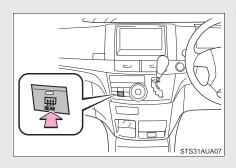
140

#### To prevent battery discharge

Do not leave the rear cooler system on longer than necessary when the engine is stopped.

# 3-1. Using the air conditioning system and defogger **Rear window defogger**

#### Defogger is used to defog the rear window.



Turns the defogger on/off

The defoggers will automatically turn off after approximately 15 minutes.

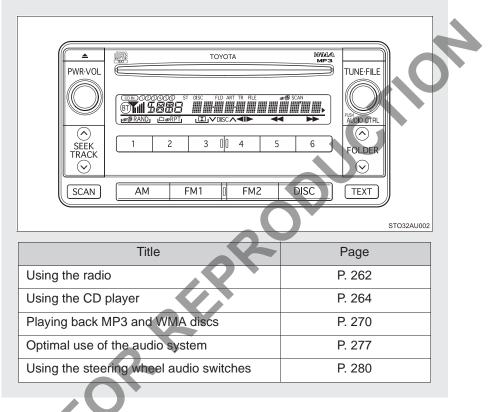
#### The defoggers can be operated when

TFC

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

## 3-2. Using the audio system Audio system types^{*}

#### CD player with external CD changer controller and AM/FM radio.



#### Using cellular phones

Interference may be heard through the audio system's speakers if a cellular phone is being used inside or close to the vehicle while the audio system is operating.

## 

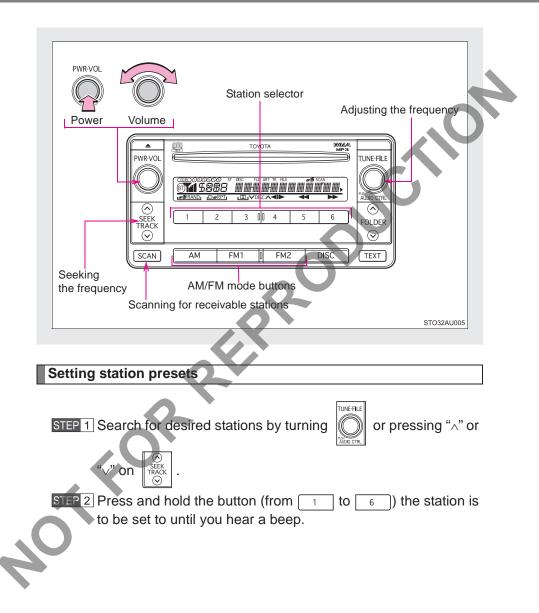
#### To prevent battery discharge

Do not leave the audio system on longer than necessary when the engine is stopped.

#### To avoid damaging the audio system

Take care not to spill drinks or other fluids over the audio system.

# 3-2. Using the audio system Using the radio^{*}



#### Scanning radio stations

#### Scanning the preset radio stations

STEP 1 Press and hold SCAN until you hear a beep.

Preset stations will be played for 5 seconds each.

STEP 2 Press the button again when the desired station is reached

#### Scanning all the radio stations within range

STEP 1 Press SCAN.

All the stations with reception will be played for 5 seconds each.

STEP 2 Press the button again when the desired station is reached.

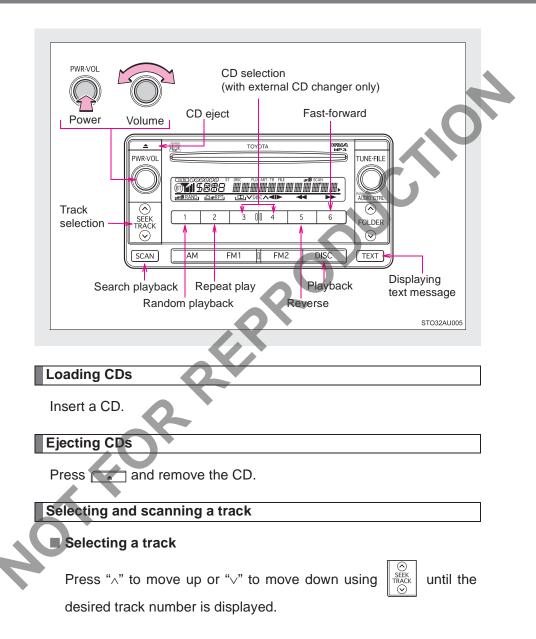
#### When the battery is disconnected

Stations presets are erased.

#### Reception sensitivity

- Maintaining perfect radio reception at all times is difficult due to the continually changing position of the antenna, differences in signal strength and surrounding objects, such as trains, transmitters, etc.
- The radio antenna is mounted inside the rear quarter window. To maintain clear radio reception, do not attach metallic window tinting or other metallic objects to the antenna wire mounted inside the rear quarter window.

# 3-2. Using the audio system Using the CD player*



Scanning tracks	
STEP 1 Press (SCAN).	
The first 10 seconds of each track will be played.	
STEP 2 Press the button again when the desired track is reached.	
Fast-forwarding and reversing tracks	
To fast-forward or reverse, press and hold $\boxed{6}$ ( ) or $\boxed{5}$ ( $\checkmark \checkmark$ ) or $\boxed{5}$	
Selecting a CD (with external CD changer only)	
■ Selecting the desired CD Press 3 0 (∨) or 4 (∧).	3
Scanning loaded CDs	_
STEP 1 Press and hold [SCAN] until you hear a beep.	nteri
The first 10 seconds of the first track on each CD will be played.	or fe
STEP 2 Press the button again when the desired CD is reached.	Interior features
Random playback	
Press (RAND).	
To cancel, press 1 (RAND) again.	
All CDs (with external CD changer only)	
Press and hold 1 (RAND) until you hear a beep.	
To cancel, press 1 (RAND) again.	

	Repeating a track					
	Press 2 (RPT).					
	To cancel, press 2 (RPT) again.					
1	Repeating all of the tracks on a CD (with external CD changes)					
	Press and hold (RPT) until you hear a beep.					
	To cancel, press 2 (RPT) again.					
S	witching the display					
F	Press TEXT.					
	Each time the button is pressed, the display changes in the order of Elapsed time $\rightarrow$ CD title $\rightarrow$ Track name.					
	Display					
    - 	Jp to 12 characters can be displayed at a time. f there are 13 or more characters, pressing and holding $TEXT$ for 1 second or more enables to display the remaining characters. A maximum of 24 characters can be displayed. f $TEXT$ is pressed for more than 1 second again or has not been operated or more than 6 seconds, the display will return to the first 12 characters.					
0	Depending on the contents recorded, the characters may not be displayed broperly or may not be displayed at all.					

#### Error messages

- "ERROR1": The CD may be dirty or inserted up-side down.
- "ERROR3": This indicates a problem in the audio system or CD changer.
- "ERROR4": This indicates that there is an over-current.
- "CD OPEN": This indicates that the CD changer lid of the separate unit is open.
- "NO DISC": This indicates that the CD changer of the separate unit is empty.
- "WAIT": Operation has stopped due to a high temperature inside the player. Wait for a while and then press Disc. If the CD still cannot be played back, contact your Toyota dealer.

#### Discs that can be used

Discs with the marks shown below can be used.

Playback may not be possible depending on recording format or disc features, or due to scratches, dirt or deterioration.



CDs with copy-protect features may not be used.

#### CD player protection feature

To protect the internal components, playback is automatically stopped when a problem is detected while the CD player is being used.

## If a CD is left inside the CD player or in the ejected position for extended periods

The CD may be damaged and may not play properly.

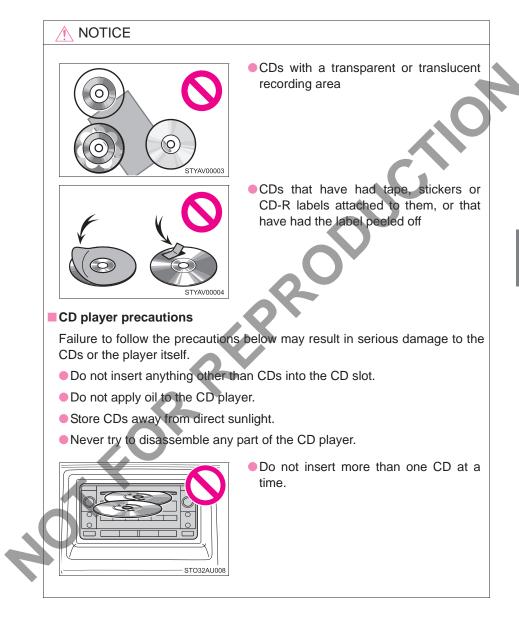
#### Lens cleaners

Do not use lens cleaners. Doing so may damage the CD player.

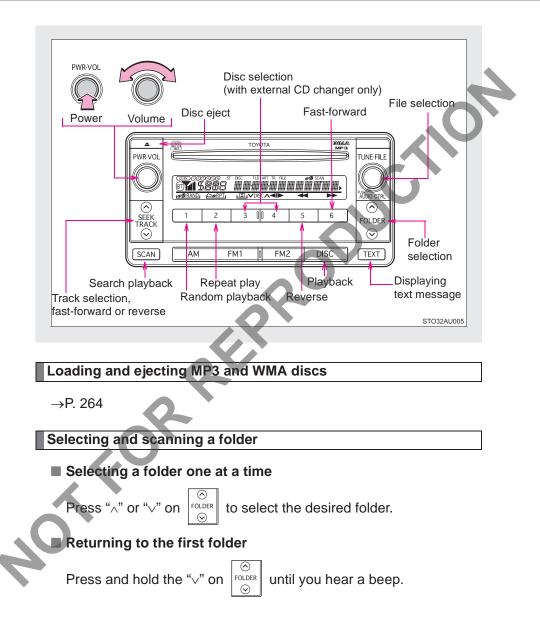
**CAUTION** 

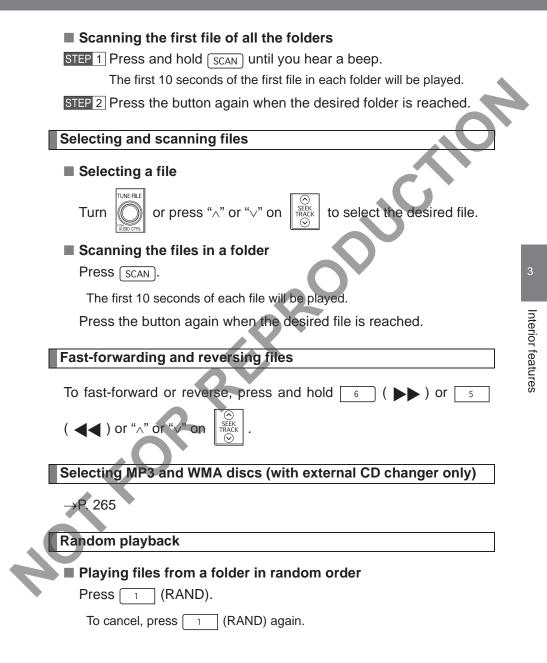
Certification for the CD player

## This product is a class I laser product. Do not open the cover of the player or attempt to repair the unit yourself Refer servicing to qualified personnel. Laser power: No hazardous NOTICE CDs and adapters that cannot be used Do not use the following types of CDs. Also, do not use 8 cm (3 in.) CD adapters, DualDiscs or printable discs. Doing so may damage the CD player and/or the CD insert/eject function. CDs that have a diameter that is not 12 cm (4.7 in.) STYAV00001 Low-quality and deformed CDs STYAV00002



## 3-2. Using the audio system Playing back MP3 and WMA discs^{*}





Playing all the files from a disc in random order
Press and hold [1] (RAND) until you hear a beep.
To cancel, press 1 (RAND) again.
Repeat play
Repeating a file
Press 2 (RPT).
To cancel, press 2 (RPT) again.
Repeating all the files in a folder
Press and hold (RPT) until you hear a beep.
To cancel, press 2 (RPT) again.
Switching the display
Press TEXT.
Each time the button is pressed, the display changes in the order of Elapsed time $\rightarrow$ Folder name $\rightarrow$ File name $\rightarrow$ Album title $\rightarrow$ Track title $\rightarrow$ Artist name.

#### Display

→P. 266

#### Error messages

- "ERROR1": The CD may be dirty or inserted up-side down.
- "ERROR3": This indicates a problem in the audio system or CD changer
- "ERROR4": This indicates that there is an over-current.
- "CD OPEN": This indicates that the CD changer lid of the separate unit is open.
- "NO DISC": This indicates that the CD changer of the separate unit is empty.
- "NO MUSIC": This indicates that the MP3 file is not included in the CD.
- "WAIT": Operation has stopped due to a high temperature inside the player. Wait for a while and then press DISC. If the CD still cannot be played back, contact your Toyota dealer.

#### Discs that can be used

Discs with the marks shown below can be used.

Playback may not be possible depending on recording format or disc features, or due to scratches, dirt or deterioration.

#### CD player protection feature

→P. 267

If a CD is left inside the CD player or in the ejected position for extended periods

→**P**. 267

Lens cleaners

→P. 267

#### MP3 and WMA files

MP3 (MPEG Audio LAYER3) is a standard audio compression format.

Files can be compressed to approximately 1/10 of their original size by using MP3 compression.

WMA (Windows Media Audio) is a Microsoft audio compression format.

This format compresses audio data to a size smaller than that of the MP3 format.

There is a limit to the MP3 and WMA file standards and to the media/formats recorded by them that can be used.

MP3 file compatibility

- Compatible standards MP3 (MPEG1 LAYER3, MPEG2 LSF LAYER3)
- Compatible sampling frequencies MPEG1 LAYER3: 32, 44.1, 48 (kHz) MPEG2 LSF LAYER3: 16, 22.05, 24 (kHz)
- Compatible bit rates (compatible with VBR) MPEG1 LAYER3: 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (kbps) MPEG2 LSF LAYER3: 64, 80, 96, 112, 128, 144, 160 (kbps)
- Compatible channel modes: stereo, joint stereo, dual channel and monaural
- WMA file compatibility
  - Compatible standards WMA Ver. 7, 8, 9
  - Compatible sampling frequencies 32, 44.1, 48 (kHz)
  - Compatible bit rates (only compatible with 2-channel playback) Ver. 7, 8: CBR 48, 64, 80, 96, 128, 160, 192 (kbps)
    - Ver. 9: CBR 48, 64, 80, 96, 128, 160, 192, 256, 320 (kbps)

#### Compatible media

Media that can be used for MP3 and WMA playback are CD-Rs and CD-RWs.

Playback in some instances may not be possible, depending on the status of the CD-R or CD-RW. Playback may not be possible or the audio may jump if the disc is scratched or marked with fingerprints. Compatible disc formats

The following disc formats can be used.

- Disc formats: CD-ROM Mode 1 and Mode 2 CD-ROM XA Mode 2. Form 1 and Form 2
- File formats: ISO9660 Level 1, Level 2, (Romeo, Joliet) MP3 and WMA files written in any format other than those listed above may not play correctly, and their file names and folder names may not be displayed correctly.

Items related to standards and limitations are as follows.

- Maximum directory hierarchy: 8 levels
- · Maximum length of folder names/file names: 32 characters
- Maximum number of folders: 192 (including the root)
- Maximum number of files per disc: 255

#### File names

The only files that can be recognized as MP3/WMA and played are those with the extension .mp3 or .wma.

Multi-sessions

As the audio system is compatible with multi-sessions, it is possible to play discs that contain MP3 and WMA files. However, only the first session can be played.

#### ID3 and WMA tags

ID3 tags can be added to MP3 files, making it possible to record the track title, artist name, etc.

The system is compatible with ID3 Ver. 1.0, 1.1, and Ver. 2.3 ID3 tags. (The number of characters is based on ID3 Ver. 1.0 and 1.1.)

WMA tags can be added to WMA files, making it possible to record the track title and artist name in the same way as with ID3 tags.

#### MP3 and WMA playback

When a disc containing MP3 or WMA files is inserted, all files on the disc are first checked. Once the file check is finished, the first MP3 or WMA file is played. To make the file check finish more quickly, we recommend you do not write in any files other than MP3 or WMA files or create any unnecessary folders.

If the discs contain a mixture of music data and MP3 or WMA format data, only music data can be played.

#### Extensions

If the file extensions .mp3 and .wma are used for files other than MP3 and WMA files, they will be mistakenly recognized and played as MP3 and WMA files. This may result in large amounts of interference and damage to the speakers.

#### Playback

- To play MP3 files with steady sound quality, we recommend a fixed bit rate of 128 kbps and a sampling frequency of 44.1 kHz.
- CD-R or CD-RW playback may not be possible in some instances, depending on the characteristics of the disc.
- There is a wide variety of freeware and other encoding software for MP3 and WMA files on the market, and depending on the status of the encoding and the file format, poor sound quality or noise at the start of playback may result. In some cases, playback may not be possible at all.
- When files other than MP3 or WMA files are recorded on a disc, it may take more time to recognize the disc and in some cases, playback may not be possible at all.
- Microsoft, Windows, and Windows Media are the registered trademarks of Microsoft Corporation in the U.S. and other countries.

## 

**CDs** and adapters that cannot be used ( $\rightarrow$ P. 268)

■ CD player precautions (→P. 269)

## 3-2. Using the audio system Optimal use of the audio system^{*}



Displays the current mode
 Changes the following set-

ting

Sound quality and volume balance ( $\rightarrow$ P. 278)

The sound quality and balance setting can be changed to produce the best sound.

## Using the audio control function

TUNE-FILE

Changing sound quality modes

Pressing

selects the mode to be changed in the following

order.

 $\mathsf{BAS} \to \mathsf{TRE} \to \mathsf{FAD} \to \mathsf{BAL} \to \mathsf{RSE}^*$ 

*: If equipped

### Adjusting sound quality

$\bigcirc$	adjusts the level.
	TUNE-FILE

Sound quality mode	Mode displayed	Level	Turn to the left	Turn to the right
Bass*	"BAS"	-5 to 5	Low	Llink
Treble*	"TRE"	-5 to 5		High
Front/rear volume balance	"FAD"	F7 to R7	Shifts to front	Shifts to rear
Left/right volume balance	"BAL"	L7 to R7	Shifts to left	Shifts to right

*: The sound quality level is adjusted individually in each audio mode.

## Turning on/off the rear system lock (if equipped)

→P. 289

JOIFO

#### Trademark owned by SRS Labs, Inc.





The audio systems utilize SRS FOCUS[™] and SRS TruBass[®] audio enhancement technologies, under license from SRS Labs, Inc., in all modes except AM radio mode.

FOCUS, TruBass, SRS and *O* symbol are trademarks of SRS Labs, Inc.

FOCUS and TruBass technologies are incorporated under license from SRS Labs, Inc.

SRS FOCUS[™] raises the audio image from non-optimally placed speakers up to the natural listening height at ear level.

SRS TruBass[®] enhances the perception of bass frequencies to provide deep, rich bass response from any size speaker.

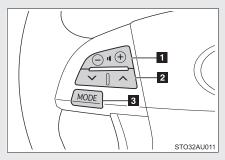
#### Trademark owned by New Transducers Limited

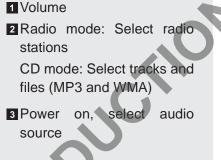


This vehicle incorporates NXT flat panel speaker technology by New Transducers Limited, UK.

## 3-2. Using the audio system Using the steering wheel audio switches

Some audio features can be controlled using the switches on the steering wheel.





#### Turning on the power

Press *MODE* when the audio system is turned off.

The audio system can be turned off by holding the switch down.

### Changing the audio source

Press <u>MODE</u> when the audio system is turned on. The audio source changes as follows each time <u>MODE</u> is pressed. If a mode cannot be used, it will be skipped.

$$AM \rightarrow FM1 \rightarrow FM2 \rightarrow CD \mod ASE^*$$

*: If equipped

### Adjusting the volume

Press "+" on  $\bigcirc$  to increase the volume and "-" to decrease the volume.

Hold down "+" or "-" on Im to continue increasing or decreasing the volume.

#### Selecting a radio station

STEP 1 Press (MODE) to select the radio mode.

STEP 2 Press " $\land$ " or " $\checkmark$ " on  $\boxed{}$  to select a preset station.

To scan for receivable stations, press and hold " $\land$ " or " $\lor$ " on intil you hear a beep.

#### Selecting a track/file or song

STEP 1 Press MODE to select the CD mode.

STEP 2 Press "∧" or "∨" on ∠ 1 ∧ to select the desired track/file or song.

#### Selecting a disc in the CD player (with external CD changer only)

STEP 1 Press MODE to select the CD mode.

STEP 2 Press and hold " $\wedge$ " or " $\sqrt{}$  on  $\boxed{}$  until you hear a beep.

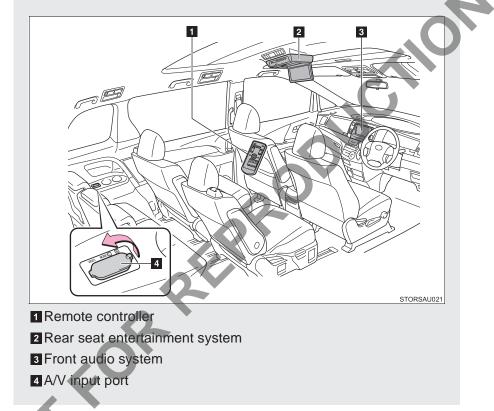
#### **CAUTION**

To reduce the risk of an accident

Exercise care when operating the audio switches on the steering wheel.

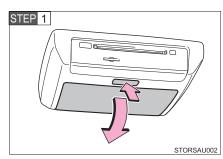
## 3-3. Using the rear seat entertainment system Rear seat entertainment system features^{*}

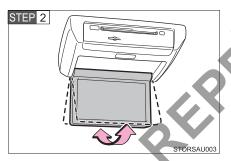
The rear seat entertainment system is designed for the rear passengers to enjoy video such as Blu-ray Disc[™] (BD) and DVD disc separately from the front audio system.



#### Opening and closing the display

#### Opening the display

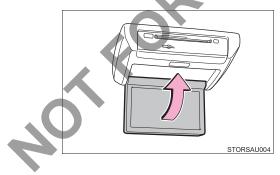




Press the lock release button to open the display.

Pull the display down to an easily viewable angle.

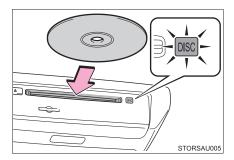
Closing the display



Push the display up until a click is heard.

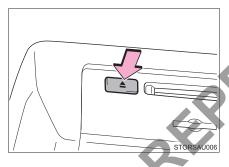
The illumination of the screen automatically turns off when the display is closed. However, the rear seat entertainment system is not turned off. (The sound is not turned off.)

#### Loading and ejecting a disc



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

The "DISC" indicator light turns on while the disc is loaded. The player will start to play the disc automatically.

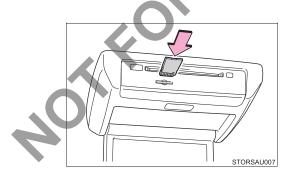


Press and remove the disc.

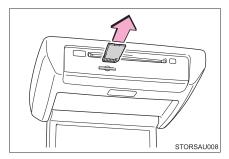
If a disc cannot be ejected, do not forcibly take out the disc. Keep pressing <u>a</u> for approximately 10 seconds and release it.

If the ejected disc remains in the slot for 15 seconds, the player will automatically reload the disc.

## Inserting and ejecting an SD card



Insert the SD card with the label side up, positioning the cut off corner to the right.

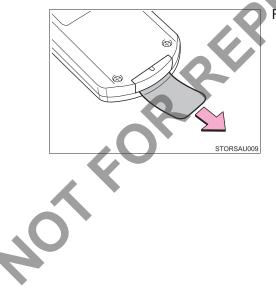


To eject the SD card, push on the center of the SD card. When it ejects slightly pull it straight out.

### **Remote controller**

The rear seat entertainment system can be operated with the remote controller. The system cannot be operated by touching the switches on the screen directly.

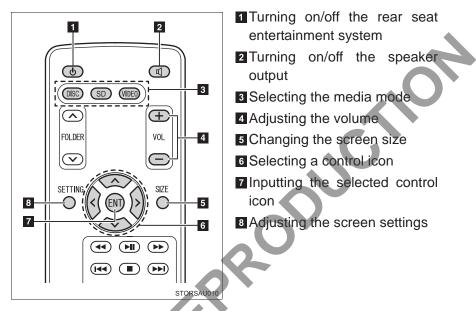
## Before using the remote controller (for new vehicle owners)



Remove the insulating sheet.

An insulating sheet is set to prevent the batteries from being discharged.

#### Remote controller



#### Turning on/off the rear seat entertainment system

Press (b) to turn on the rear seat entertainment system.

Press (b) once again to turn off the system.

#### Adjusting the volume

Press (+) or (-) of "VOL" to adjust the volume.

When the speaker output is off, the volume cannot be adjusted.

#### Turning on/off the speaker output

Press (1) to turn on/off the speaker output.

On: The sound is available from the vehicle speakers.

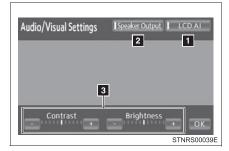
Off: The sound is muted.

## Selecting a control icon Press " $\bigwedge$ ", " $\checkmark$ ", " $\checkmark$ " or " $\checkmark$ " on ( $\Im \otimes \flat$ ) to select the control icon on the screen. Then press to enter. (FNT Changing the screen size SIZE Each time is pressed, the screen size changes in the following order: Normal: Displays the screen at the original ratio Wide 1: Widens the 4:3 aspect screen horizontally to fill the screen Wide 2: Widens the screen vertically and horizontally, at the same ratio, to fill the entire screen The screen size can be changed for each media mode individually. Adjusting the screen settings You can adjust the color, contrast, tone and brightness of the screen. The screen setting levels can be adjusted for day mode and night mode individually. SETTING STEP 1 Press

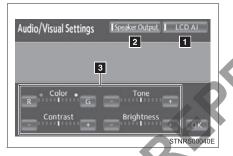
STEP 2 The screen settings can be adjusted. After adjustments, select "OK".

Interior features

## "DISC"/"SD" mode



### "VIDEO" mode



### 1 Turning on/off the "LCD AI"

The "LCD AI" automatically determines the tone of the video image and sets the contrast to an optimum level, displaying a sharp image.

Turning on/off the speaker output

On: The sound is available from the vehicle speakers.

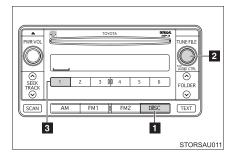
Off: The sound is muted.

3 Adjusting the screen settings

	Screen button	Function
"Color"	"R"	Strengthens the red color
	"G"	Strengthens the green color
"Tone"	"_"	Weakens the tone
TONE	"+"	Strengthens the tone
"Contrast"	"_"	Weakens the contrast
Contrast	"+"	Strengthens the contrast
"Brightness"	"_"	Darkens the screen
Digitiless	"+"	Brightens the screen

## Operating from the front seats

The rear seat entertainment system can be operated from the front seats.



Selecting the rear seat entertainment system mode

Press the "DISC" button repeatedly until rear seat entertainment system mode is displayed.

2 Turning on/off the rear system lock

Selecting the rear seat entertainment system's media mode

### Turning on/off the rear system lock

The operation lock on the rear seat entertainment system can be turned on or off.

STEP 1 Press the "TUNE-FILE" knob repeatedly until "RSE LOCK" is displayed.

STEP 2 Turn the "TUNE FILE" to select "ON" or "OFF".

STEP 3 Press the "TUNE-FILE" knob to enter.

#### Notice for rear seat entertainment system

The rear seat entertainment system will not operate normally with audio systems (including navigation system) other than the factory installed system.

#### The rear seat entertainment system can be used when

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

#### Discs that can be used

Discs with the marks shown below can be used.

Playback may not be possible depending on recording format or disc fea tures, or due to scratches, dirt or deterioration.



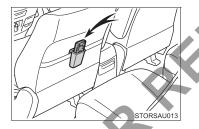
The following discs cannot be used on this system:

- BDXL[™] disc
- BD-RE with the cartridge
- HD DVD
- DVD audio
- Video CD
- SACD
- SD cards that can be used
  - Memory cards are restricted to the following conditions based on SD standards.
    - SD memory card (from 512MB to 2GB)
    - SDHC memory card (from 4GB to 32GB)
    - SDXC memory card (from 48GB to 64GB)
  - Mini SD cards and Micro SD cards can be used, but must be used with an adaptor card.
  - MultiMedia Card (MMC) cannot be used.

### SD card functions

- This system can play JPEG pictures and AVCHD video images that are stored in an SD card. It does not support music playback.
- Local storage
  - Some BD videos have a feature to memorize disc information, such as a resume point, in a local storage. The rear seat entertainment system uses an SD card as a local storage device. To use this function, insert an SD card into the SD card slot.
  - The SD card memory function may differ depending on the BD videos played.
  - When an SD card that contains any kind of data is inserted, BD video disc information will not be stored into the SD card to protect the existing data in the card. To use an SD card as a local storage, use another SD card that does not contain any data.

### Remote controller holder



The remote controller can be stowed in the holder when it is not in use. The holder can be hooked on the back of the front passenger's seatback.

### When the remote controller batteries are fully depleted ( $\rightarrow$ P. 409)

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[Contact address]

GPL Manager Panasonic Corporation 4261 Ikonobe-cho, Tsuzuki-ku, Yokohama City 224-8520, Japan

Source code is also freely available to you and any other member of the public via our website bellow.

http://car.panasonic.jp/oss/c8u23ZXg/

For the software categorized as (5) includes as follows.

1. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (http://www.openssl.org/)

2. This product includes software developed by the University of California, Berkeley and its contributors.

- 3. Free Type code.
- 4. The Independent JPEG Group's JPEG software.
- 5. Vera Fonts. (http://www.gnome.org/fonts/)

## **CAUTION**

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

Keep the display closed. In the event of an accident or sudden braking, the opened display may hit an occupant's body, resulting in injury.

#### To prevent accidents and electric shock

Do not disassemble or modify the remote controller.

### When the remote controller is not used

Stow the remote controller.

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

## NOTICE

### Cleaning the display

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

### Opening and closing the display

When opening or closing the display, hold the bottom center of the display outer frame. Holding or pressing the LCD panel could result in display problems or LCD deterioration.

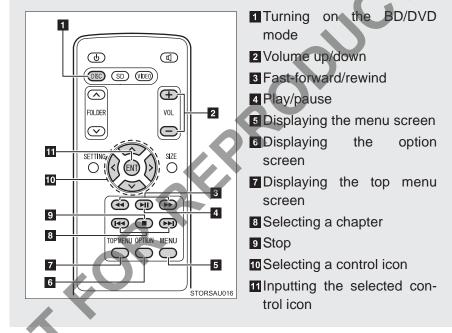
### To prevent damage to the remote controller

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

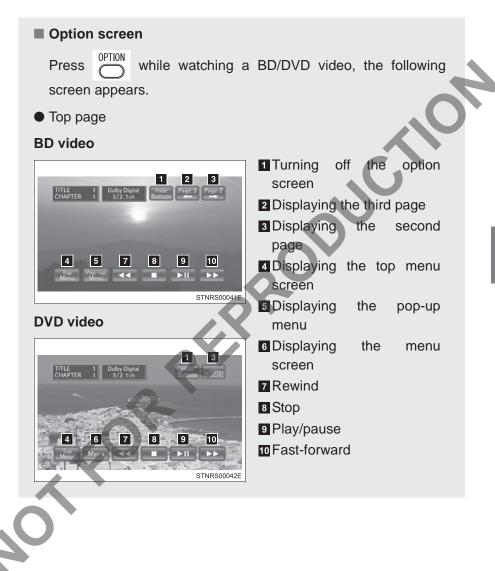
# 3-3. Using the rear seat entertainment system Playing a Blu-ray Disc[™] (BD) and DVD disc^{*}

This system can play Blu-ray Disc[™] (BD) videos with digital sound. In addition to commercial BD and DVD titles, AVCHD and BDAV videos can be played on this system, so digital TV recorded by home digital video recorders and BD/DVD home videos recorded by home digital video cameras can also be played on this system.

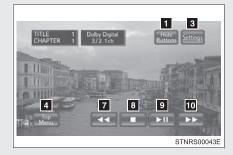
Press DISC if a disc has already been loaded in the disc slot.



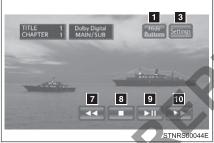
Remote controller



## AVCHD

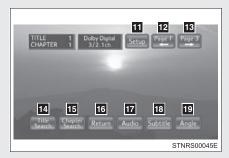


#### **BDAV**



## Second page

### **BD** video



## DVD video

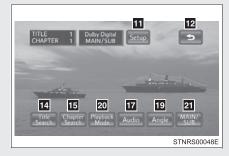


AVCHD



- Displaying the initial setup screen
- 12 Displaying the top page
- 13 Displaying the third page
- 14 Searching for a title
- 15 Searching for a chapter
- Returning to the predetermined scene
- The changing the audio language
- Deschanging the subtitle language
- 19 Changing the angle
- Changing the playback mode
- Changing the audio channel

### **BDAV**





### BD video

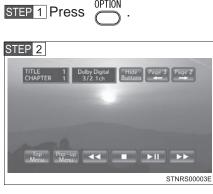


22 Displaying the second page
23 Displaying the top page
24 Displaying the color key buttons
25 Displaying the 10 key pad
26 Displaying the secondary video (Picture-in-picture)
27 Changing the secondary audio

Turning on the BD/DVD mode	
Insert a disc or Press DISC with a	disc inserted.
The player will start to play the disc	automatically.
Playing/pausing a disc	
Press 间 to play/pause.	
Press and hold (>>> while pausin	g, the video is played slowly.
Selecting a chapter	
Press (III) or (III) until the des	ired chapter appears.
Fast forwarding/rewinding a disc	
Press and hold < or 🗭	
Operating the disc menu	
STEP 1 Press TOP MENU or O.	
STEP 2	Select the menu item using the
	" <b>∧</b> ", " <b>∨</b> ", " <b>〉</b> " or " <b>〈</b> " on
Min Menu ~     Start Playback     Gradtar Manu     Gradtar Manu     Special Menu     Special Menu	$( \underbrace{ \left( \begin{array}{c} \\ \\ \end{array} \right)} \right)$ , and press $( \underbrace{ \left( \begin{array}{c} \\ \\ \end{array} \right)} \right)$ to enter.
STNRS00012E	

### Option screen

### Displaying the option screen



The option screen is displayed

Press OPTION once again or select "Hide Buttons" to turn off the option screen.

## Displaying the pop-up menu (BD video)

Some BD video discs have a pop-up navigation menu that can be called up and be operated on the screen without interrupting playback.



STEP 1 Select "Pop-up Menu".

Select the menu item using the " $\checkmark$ ", " $\checkmark$ ", " $\flat$ " or " $\checkmark$ " on  $(\checkmark$ "), and press (INT) to enter.

## Searching for a title or chapter

STEP 1 Select "Page 2" or "Settings".

STEP 2 Select "Title Search" or "Chapter Search".



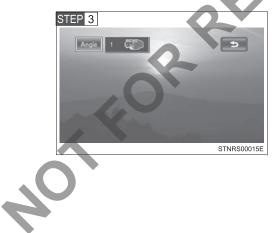
Input the title number or chapter number, and select "OK".

## Changing the angle

The angle can be changed for discs that are multi-angle compatible when the angle mark appears on the screen.

STEP 1 Select "Page 2" or "Settings".

STEP 2 Select "Angle".



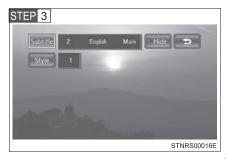
Each time "Angle" is selected, the angle changes.

### Changing the subtitle language

The subtitle language can be changed for discs with multiple subtitle languages.

STEP 1 Select "Page 2" or "Settings".

STEP 2 Select "Subtitle".



Each time "Subtitle" is selected, another language available on the disc is selected.

"Hide": Subtitle can be hidden

"Style" (BD video only): Subtitle style can be changed

## Changing the audio language

The audio language can be changed for discs with multiple audio languages.

STEP 1 Select "Page 2" or "Settings".

STEP 2 Select "Audio".



Each time "Audio" is selected, another language available on the disc is selected.

## Changing the audio channel (BDAV)

The audio channel can be changed for discs with multiple audio channels.

STEP 1 Select "Settings".



Each time "MAIN/SUB" is selected, the mode changes in the following order:

"MAIN": Main audio channel

"SUB": Sub audio channel

"MAIN/SUB": Both the main and sub audio channels

## Changing the playback mode (BDAV)

The playback mode can be changed to program mode or playlist mode. Playlist mode cannot be selected if a playlist is not stored on the disc.

STEP 1 Select "Settings".

STEP 2 Select "Playback Mode".



Each time "Playback Mode" is selected, the mode changes.

Program mode: Playback the disc in order of program number

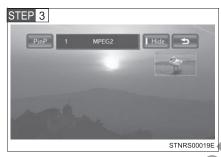
Playlist mode: Playback the disc in order of playlist number

Displaying the secondary video (Picture-in-picture) (BD video)

Picture-in-picture is a secondary video that plays embedded in the primary video. The secondary video can be played from a disc compatible with the picture-in-picture function.

STEP 1 Select "Page 3".

STEP 2 Select "PinP".



The secondary video is displayed on the screen.

Each time "PinP" is selected, another secondary video available on the disc is selected.

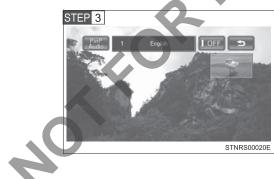
"Hide": Secondary video can be hidden

## Changing the secondary audio (BD video)

The secondary audio that for the secondary video can be changed.

STEP 1 Select "Page 3".

STEP 2 Select "PinP Audio".



Each time "PinP Audio" is selected, another secondary audio stored on the disc is selected.

"OFF": Secondary audio can be turned off

## Displaying the color key buttons (BD video)

The color button is used for various uses according to directions of contents.

STEP 1 Select "Page 3".

STEP 2 Select "Color Keys".



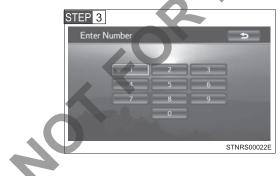
The color key buttons are displayed on the screen.

## Displaying the 10 key pad (BD video)

The 10 key pad is used when inputting numbers according to directions of contents.

STEP 1 Select "Page 3".

STEP 2 Select "Key Pad".



The 10 key pad is displayed on the screen.

### Initial setup

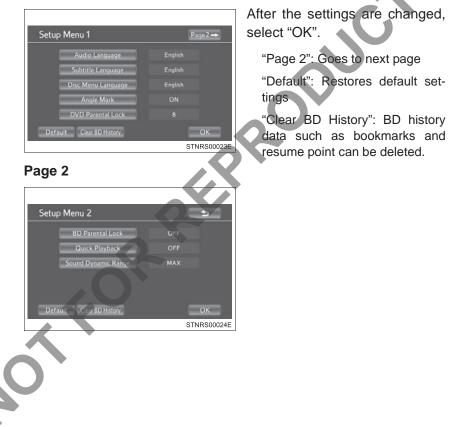
• Displaying the initial setup screen

STEP 1 Select "Page 2" or "Settings".

STEP 2 Select "Setup".

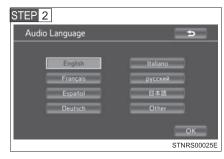
STEP 3 Select the settings to be changed.

### Page 1



## • Changing the initial audio language

STEP 1 Select "Audio Language".



Select the desired language.

If you cannot find the desired language, select "Other" and input the desired language code.  $(\rightarrow P. 316)$ 

• Changing the initial subtitle language

STEP 1 Select "Subtitle Language".

STEP 2	
Subtitle Language	5
	_
English	Italiano
Français	русский
Español	E ANN
Deutsch	Other
	ОК
	. Immerging the second second
	STNRS00026E

STEP 1 Select "Disc Menu Language".

Select the desired language.

If you cannot find the desired language, select "Other" and input the desired language code.  $(\rightarrow P. 316)$ 

• Changing the initial language of the disc menu

STEP 2 Disc Menu Language

Select the desired language.

If you cannot find the desired language, select "Other" and input the desired language code.  $(\rightarrow P. 316)$ 

## • Setting the angle mark

If the BD/DVD disc has angle options, you can turn the angle mark on/off.

selected.

Each time "Angle

selected, "ON" or "OFF" can be

Mark"

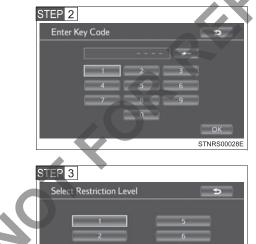
Setup Menu 1	Page 2 🕳
Audio Language	
Subtitle Language	
Disc Menu Language	
Angle Mark	
DVD Parental Lock	
Default Clear BD History	ОК
	STNRS00023E

Setting the DVD parental lock

The level of viewer restrictions can be set.

OK STNRS00029E

STEP 1 Select "DVD Parental Lock"



Input the 4-digit personal code and then select "OK".

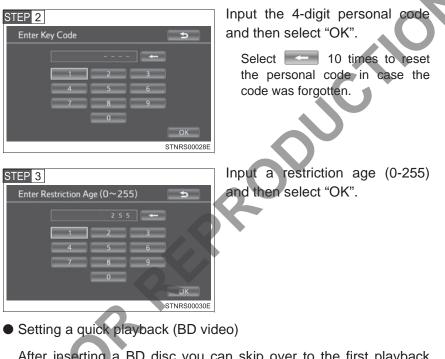
Select 10 times to reset the personal code in case the code was forgotten.

Select a restriction level (1-8) and then select "OK".

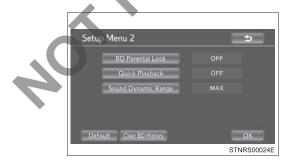
Setting the BD parental lock

The age of viewer restrictions can be set.

STEP 1 Select "BD Parental Lock".



After inserting a BD disc you can skip over to the first playback point and can immediately playback the main story.



Each time "Quick Playback" is selected, "ON" or "OFF" can be selected.

### Setting a sound dynamic range

The difference between the lowest and highest sound volumes can be adjusted.

Setup Menu 2		5
BD Parental Lock	OFF	
Quick Playback		
Sound Dynamic Range		
Default Clear BD History		ОК
		STNRS00024E

Each time "Sound Dynamic Range" is selected, the setting changes in the following order:

"MAX": Maximum dynamic range

"STD": Standard dynamic range

 $\downarrow$ 

"MIN": Minimum dynamic range

- $\blacksquare$  Discs that can be used ( $\rightarrow$ P. 290)
- BD/DVD video discs
  - Compatible media

Media that can be used for playback are BD-ROMs, BD-Rs, BD-REs, DVD-ROMs, DVD-Rs and DVD-RWs.

Compatible disc formats

Disc formats that can be used for playback are BD video formats, BDAV formats, AVCHD formats, and DVD video formats

- This player conforms to NTSC/PAL color TV formats.
- Region codes

Some BD/DVD video discs have a region code indicating the region in which you can use the BD/DVD video disc.

If the BD video disc is not labeled "B" or "ABC" or if the DVD video disc is not labeled "4" or "ALL", you cannot use it on this player.

If you attempt to play BD/DVD video discs with incompatible region codes on this player, an error message appears on the screen. Even if the BD/ DVD video disc does not have a region code, in some cases it cannot be used.

- •When storing content on BD-R, BD-RE, DVD-R or DVD-RW discs, they must be finalized using a recorder. Discs that are not finalized cannot be played by this system.
- Discs that are recorded with multi session cannot be played by this system. ,C
- BD-Live[™] is not supported.

### Symbols shown on BD/DVD video discs

Symbol	Meaning
PAL/NTSC	Indicates PAL/NTSC format
2))	Indicates the number of audio tracks
	Indicates the number of language subtitles
	Indicates the number of angles
16:9 LB 4:3	Indicates the screen display ratios available Wide screen: 16:9 Standard: 4:3
	Indicates the disc's region code • BD video "ABC": all regions Alphabet: region code • DVD video "ALL": all regions Number: region code
20	·

#### BD/DVD video disc information

#### Parental controls

This feature limits what can be viewed in conformity with the level of restrictions of the country. The level of restrictions varies depending on the BD/DVD video disc. Some BD/DVD video discs cannot be played at all, or violent scenes are skipped or replaced with other scenes.

#### DVD video

Level 1: DVD video discs for children can be played.

Level 2 - 7: DVD video discs for children and G-rated movies can be played.

Level 8: All types of DVD video discs can be played.

BD video

Parental controls of BD videos can be set up by inputting an age. If the target age of BD video exceeds the age restriction that was set up, then playback will not be possible.

#### Multi-angle feature

You can enjoy the same scene from different angles.

Multi-language option

You can select the subtitle and audio languages.

Region codes

The region codes are provided on BD/DVD players and BD/DVD discs. If the BD/DVD disc does not have the same region code as the BD/DVD player, you cannot play the disc on the player.

### Title and chapter

Video and audio programs stored in BD/DVD video discs are divided into parts by title and chapter.

Title: The largest unit of the video and audio programs stored on BD/DVD video discs. Usually, one movie, one album, or one audio program is assigned as a title.

Chapter: A title comprises of one or more chapters.

### AVCHD

AVCHD is a new format (standard) for high definition video cameras that can record and play high-resolution HD images.

DVDs and SD cards with videos recorded in AVCHD format can playback on this system.

● BDAV (Blu-ray Disc[™] Audio/Visual)

BDAV is one of the audio/video recording formats for Blu-ray Disc[™], has been made primarily for the purpose of broadcasting the recording.

It is used when recording to BD-R and BD-RE by Blu-ray™ recorder.

BD-J

Some BD video discs contain Java applications, and these applications are called BD-J. You can enjoy various interactive features in addition to playing normal video.

#### Pop-up menu

Some BD video discs have a pop-up navigation menu that can be called up and be operated on the screen without interrupting playback.

#### Picture-in-picture

This is a function of BD video that plays the primary video and secondary video simultaneously. For instance, the function is capable of playing the original movie as the primary video while playing video commentary from the film director on a small screen as a secondary video.

### DUBA (Disc Unbound BD-J Application)

For BD videos that come as a 2 disc set or more, after finishing and ejecting one of the discs, continuation of the video can be seen shortly after replacing the disc with the proper disc.

### Playlist (BDAV only)

A playlist of favorite scenes by Blu-ray™ recorder can be created and the scenes can playback via playlist.

#### Audio

This player can play liner PCM, Dolby digital, DTS and MPEG audio format. Other decoded types cannot be played.

## Language codes list

	Code	Language	Code	Language	1
	0514	English	0401	Danish	
	0618	French	0426	Bhutani	
	0405	German	0515	Esperanto	
_	0920	Italian	0520	Estonian	1
	0519	Spanish	0521	Basque	-
	2608	Chinese	0601	Persian	
_	1412	Dutch	0609	Finnish	
_	1620	Portuguese	0610	Fiji	
_	1922	Swedish	0615	Faroese	
	1821	Russian	0625	Frisian	
	1115	Korean	0701	Irish	
	0512	Greek	0704	Scots-Gaelic	
	0101	Afar	0712	Galician	
	0102	Abkhazian	0714	Guarani	
	0106	Afrikaans	0721	Gujarati	
	0113	Amharic	0801	Hausa	
	0118	Arabic	0809	Hindi	
	0119	Assamese	0818	Croatian	
	0125	Aymara	0821	Hungarian	
	0126	Azerbaijani	0825	Armenian	
	0201	Bashkir	0901	Interlingua	
	0205	Byelorussian	0905	Interlingue	
	0207	Bulgarian	0911	Inupiak	
	0208	Bihari	0914	Indonesian	]
	0209	Bislama	0919	Icelandic	]
	0214	Bengali	0921	Inuktitut	
	0215	Tibetan	0923	Hebrew	
	0218	Breton	1001	Japanese	
	0301	Catalan	1009	Yiddish	
	0315	Corsican	1023	Javanese	
	0319	Czech	1101	Georgian	
	0325	Welsh	1111	Kazakh	]

	Code	Language	Code	Language
	1112	Greenlandic	1815	Romanian
	1113	Cambodian	1823	Kinyarwanda
	1114	Kannada	1901	Sanskrit
	1119	Kashmiri	1904	Sindhi
	1121	Kurdish	1907	Sangho
	1125	Kirghiz	1908	Serbo-Croatian
	1201	Latin	1909	Sinhalese
	1214	Lingala	1911	Slovak
	1215	Laothian	1912	Slovenian
	1220	Lithuanian	1913	Samoan
	1222	Latvian	1914	Shona
	1307	Malagasy	1915	Somali
	1309	Maori	1917	Albanian
	1311	Macedonian	1918	Serbian
	1312	Malayalam	1919	Siswati
	1314	Mongolian	1920	Sesotho
	1315	Moldavian	1921	Sundanese
	1318	Marathi	1923	Swahili
	1319	Malay	2001	Tamil
	1320	Maltese	2005	Telugu
	1325	Burmese	2007	Tajik
	1401	Nauru	2008	Thai
	1405	Nepali	2009	Tigrinya
	1415	Norwegian	2011	Turkmen
	1503	Occitan	2012	Tagalog
	1513	(Afan) Oromo	2014	Setswana
	1518	Oriya	2015	Tonga
	1601	Punjabi	2018	Turkish
	1612	Polish	2019	Tsonga
	1619	Pashto, Pushto	2020	Tatar
~	1721	Quechua	2023	Twi
	1813	Rhaeto-Romance	2107	Uighur
	1814	Kirundi	2111	Ukrainian

Code	Language
2118	Urdu
2126	Uzbek
2209	Vietnamese
2215	Volapük
2315	Wolof

Code	Language	
2408	Xhosa	
2515	Yoruba	
2601	Zhuang	
2621	Zulu	

## **CAUTION**

### Certification for the player

This product is a class I laser product.

- A laser beam leak may result in hazardous radiation exposure.
- Do not open the cover of the player or attempt to repair the unit yourself. Refer servicing to qualified personnel.
- Laser power: No hazardous

### BD/DVD video precaution

Conversational speech on some BDs/DVDs is recorded at a low volume to emphasize the impact of sound effects. If you adjust the volume assuming that the conversations represent the maximum volume level that the BD/ DVD will play, you may be startled by louder sound effects or startled when you change to a different audio source.

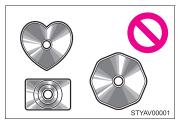
Loud sounds may have a significant impact on the human body or pose a driving hazard. Keep this in mind when you adjust the volume.

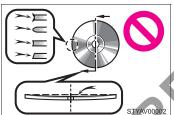
318

## 

### Discs and adapters that cannot be used

Do not use the following types of CDs. Also, do not use 8 cm (3 in.) CD adapters, DualDiscs or printable discs, Doing so may damage the player and/or disc insert/eject function.





(0

STYAV00003

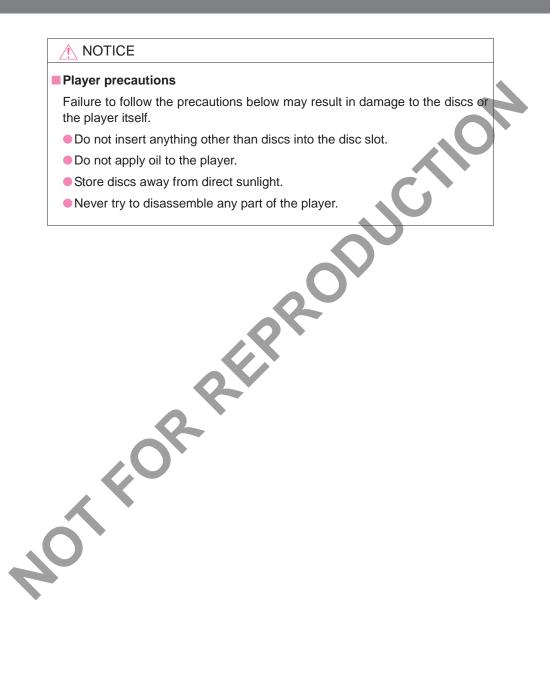
STYAV00004

• Discs that have a diameter that is not 12 cm (4.7 in.).

Low-quality or deformed discs.

Discs with a transparent or translucent recording area.

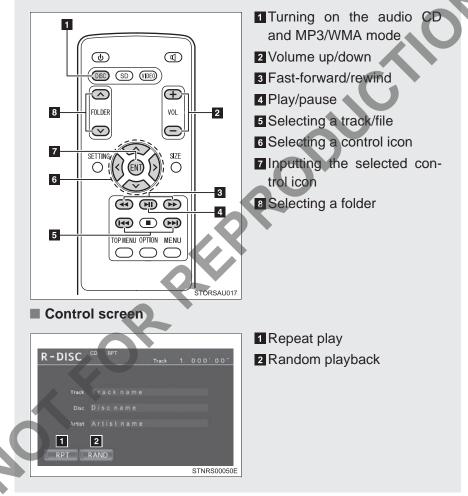
 Discs that have tape, stickers or labels attached to them, or that have had the label peeled off.



# 3-3. Using the rear seat entertainment system Playing an audio CD and MP3/WMA discs*

Press DISC if a disc has already been loaded in the disc slot. The player will start to play the disc automatically.

#### Remote controller



3

*: If equipped

Т	urning on the audio CD and MP3/WMA mode
I	nsert a disc or Press Osc with a disc inserted.
	The player will start to play the disc automatically.
S	electing a track/file
F	Press III or III until the desired track/file number appears.
F	ast forwarding or rewinding a track/file
F	Press and hold < or 🕨 .
S	electing a folder (MP3/WMA)
	Press or v of "FOLDER" until the desired folder number appears.
	Press and hold v, the top file stored in the top folder in the disc will be selected.
R	Repeat play
E	Each time "RPT" is selected, the mode changes as follow:
	Audio CD
"	RPT" (track repeat) $\rightarrow$ Off
	MP3/WMA
"	(RPT" (file repeat) $\rightarrow$ "FLD.RPT" (folder repeat) $\rightarrow$ Off
R	andom playback
	Each time "DAND" is calcoted, the mode changes as follow:
	Each time "RAND" is selected, the mode changes as follow: Audio CD
	RAND" (random) $\rightarrow$ Off
	(RAND" (1 folder random) $\rightarrow$ "FLD.RAND" (1 disc random) $\rightarrow$ Off

### $\blacksquare$ Discs that can be used ( $\rightarrow$ P. 290)

#### Displaying the title and artist name

If a CD-TEXT disc is inserted, the titles of the disc and track will be displayed.

#### MP3 and WMA files

MP3 (MPEG Audio LAYER3) is a standard audio compression format. Files can be compressed to approximately 1/10 of their original size by using MP3 compression.

WMA (Windows Media Audio) is a Microsoft audio compression format.

This format compresses audio data to a size smaller than that of the MP3 format.

There is a limit to the MP3 and WMA file standards and to the media/formats recorded by them that can be used.

#### MP3 file compatibility

- Compatible standards MP3 (MPEG1 LAYER3, MPEG2 LSF LAYER3)
- Compatible sampling frequencies
   MPEG1 LAYER3: 32, 44.1, 48 (kHz)
   MPEG2 LSF LAYER3: 16, 22.05, 24 (kHz)
- Compatible bit rates (compatible with VBR) MPEG1 LAYER3: 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (kbps) MPEG2 LSF LAYER3: 64, 80, 96, 112, 128, 144, 160 (kbps)
- Compatible channel modes: stereo, joint stereo, dual channel and mono
   WMA file compatibility
  - Compatible standards
  - WMA Ver. 7, 8, 9
  - Compatible sampling frequencies
  - 32, 44.1, 48 (kHz)

Compatible bit rates (only compatible with 2-channel playback) Ver. 7, 8, 9: CBR 48, 64, 80, 96, 128, 160, 192 (kbps) Compatible media

Media that can be used for MP3 and WMA playback:

- CD-ROM/R/RW
- DVD-ROM/R/RW

Playback in some instances may not be possible, depending on the status of the disc. Playback may not be possible or the audio may jump if the disc is scratched or marked with fingerprints.

Compatible disc formats

The following disc formats can be used.

- Disc formats: CD-ROM Mode 1 CD-ROM XA Mode 2 Form 1
- File formats: ISO9660 Level 1, Level 2 (Romeo, Joliet) UDF (2.01 or lower)

MP3 and WMA files written in any format other than those listed above may not play correctly, and their file names and folder names may not be displayed correctly.

Items related to standards and limitations are as follows.

- Maximum directory hierarchy: 8 levels
- Maximum length of folder names/file names: 20 characters
- · Maximum number of folders: 255 (including the root)
- Maximum number of files per disc: 512

File names

The only files that can be recognized as MP3/WMA and played are those with the extension .mp3 or .wma.

Multi-sessions

As the audio system is compatible with multi-sessions, it is possible to play discs that contain MP3 and WMA files.

#### ID3 and WMA tags

D3 tags can be added to MP3 files, making it possible to record the track title, artist name, etc.

The system is compatible with ID3 Ver. 1.0, 1.1, and Ver. 2.3 ID3 tags. (The number of characters is based on ID3 Ver. 1.0 and 1.1.)

WMA tags can be added to WMA files, making it possible to record the track title and artist name in the same way as with ID3 tags.

#### MP3 and WMA playback

When a disc containing MP3 or WMA files is inserted, all files on the disc are first checked. Once the file check is finished, the first MP3 or WMA file is played. To make the file check finish more quickly, we recommend you do not write in any files other than MP3 or WMA files or create any unnecessary folders.

If the discs contain a mixture of music data and MP3 or WMA format data, only music data can be played.

Extensions

If the file extensions .mp3 and .wma are used for files other than MP3 and WMA files, they will be mistakenly recognized and played as MP3 and WMA files. This may result in large amounts of interference and damage to the speakers.

Playback

- To play MP3 files with steady sound quality, we recommend a fixed bit rate of 128 kbps and a sampling frequency of 44.1 kHz.
- Playback may not be possible in some instances, depending on the characteristics of the disc,
- There is a wide variety of freeware and other encoding software for MP3 and WMA files on the market, and depending on the status of the encoding and the file format, poor sound quality or noise at the start of playback may result. In some cases, playback may not be possible at all.
- When files other than MP3 or WMA files are recorded on a disc, it may take more time to recognize the disc and in some cases, playback may not be possible at all.

## NOTICE

Discs and adapters that cannot be used ( $\rightarrow$ P. 319)

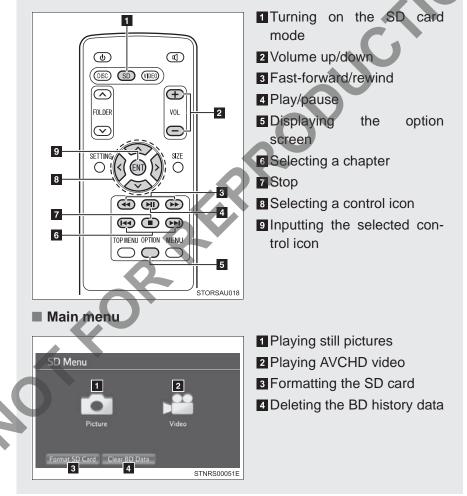
Player precautions ( $\rightarrow$ P. 320)

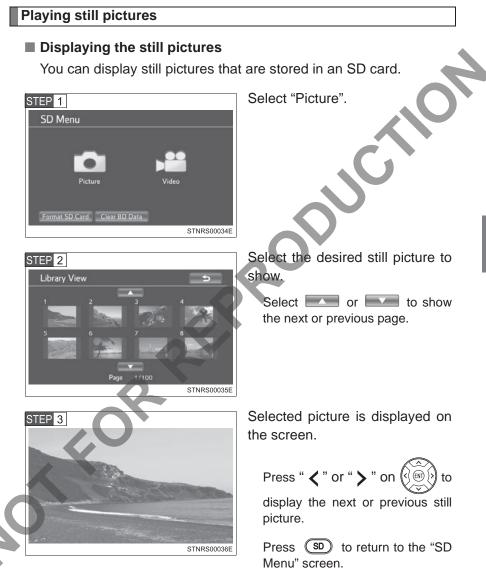
# 3-3. Using the rear seat entertainment system **Playing an SD card**^{*}

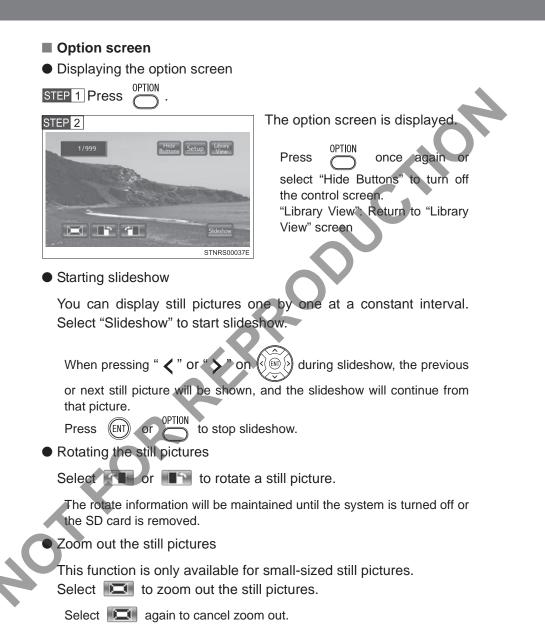
This system can play still pictures and AVCHD video that are stored in an SD card. It does not support music playback.

Press (SD) if an SD card has already been inserted in the SD card slot.

Remote controller







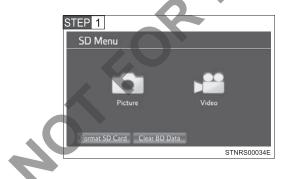
## Slideshow settings

STEP 1 Select "Setup".

STEP 2 The slideshow settings can be changed. After the settings are changed, select "OK".

Setup Menu 1 Selects slideshow	v interval
1Slideshow Interval5s"5s" $\rightarrow$ "10s" $\rightarrow$ "15s"2Slideshow EffectFade"60s""60s"3Repeat PlayON2Selects slideshow effects	1
Default 4 OK STNRS00038E "Fade" → "Slide" → "Wipe2" → "Dissolve → "OFF"	" $\rightarrow$ "Zoom"
Selects on/off to repeat slide- show	
Restores default settings	
Playing AVCHD video	

You can play AVCHD videos that are stored in an SD card.



Select "Video".



AVCHD video will start playing.

Controls for AVCHD video  $(\rightarrow P. 296)$ 

Press (SD) to return to the "SD Menu" screen.

## Formatting the SD card

STEP 1 Select "Format SD Card".

STEP 2 Select "Yes" to format the SD card.

If the SD card is formatted, all data on the card will be erased.

### Deleting the BD history data

The BD history data such as bookmarks and resume information can be deleted.

STEP 1 Select "Clear BD Data".

STEP 2 Select "Yes" to delete the BD history data.

#### **SD** cards that can be used ( $\rightarrow$ P. 290)

#### Compatible files

The following files can be displayed.

- Picture file format: JPEG
  - Picture resolution: between 34×34 and 8192×8192 pixels
  - Gray scale JPEG is not supported
- Video file format: AVCHD

#### SD cards

- An SD card is not provided with the rear seat entertainment system and needs to be purchased separately.
- Compatible formats

This system is compatible with SD memory cards that meet SD card specifications FAT16 formats, SDHC memory cards in FAT32 format, and SDXC memory cards in exFAT format.

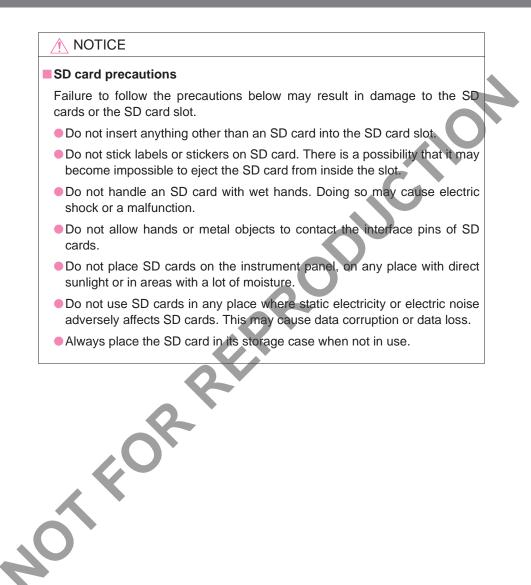
- The Panasonic SD memory card format software version 3.1 or higher is recommended.
- Data stored in an SD card may be lost. Before playing back pictures and videos stored in an SD card, make certain to back up the data.
- Before an SD card that contains any kind of data is played, slide the lock switch on the SD card to "LOCK" in order to prevent any data from being accidentally deleted or overwritten.

## **CAUTION**

#### SD cards

Keep away from children.

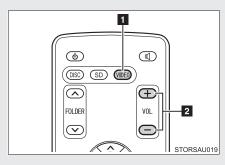
These are small and if swallowed by a child they can cause choking.



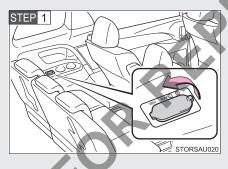
# 3-3. Using the rear seat entertainment system Using the video mode^{*}

The rear seat entertainment system plays videos and sound when audio-video equipment is connected to the A/V input port. Press (VDEO) to turn on the video mode.

#### Remote controller



## Using the A/V input port



Turning on the video mode
 Volume up/down

Open the cover and connect audio-video equipment to the A/V input port.

The A/V input port is composed of 3 input jacks.

Yellow: Video input

White: Left channel audio input Red: Right channel audio input

STEP 2 Turn on the power of the audio-video equipment STEP 3 Press (1990) to turn on the video mode.

#### Operating the audio-video equipment connected to the system

The volume can be adjusted using the vehicle's audio controls. All other operations must be made on the audio-video equipment itself. For details about operation of audio-video equipment, refer to the manufacturer's instructions.

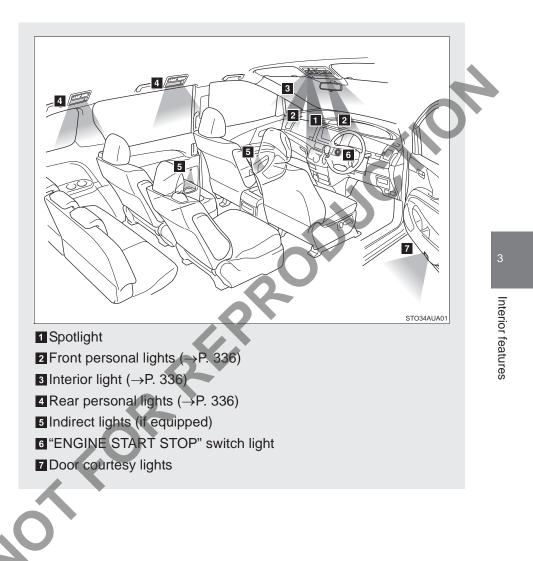
## 

#### When the A/V input port is not in use

Keep the A/V input port cover closed.

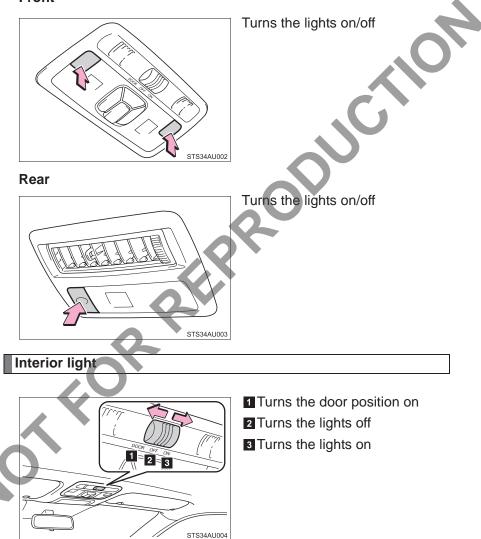
Inserting anything other than an appropriate plug may cause electrical failure or a short circuit.

# 3-4. Using the interior lights Interior lights list



## **Personal lights**

Front



Interior light

#### Illuminated entry system

The lights automatically turn on/off according to "ENGINE START STOP" switch mode, the presence of the electronic key, whether the doors are locked/unlocked, and whether the doors are open/closed.

#### Indirect lights (if equipped)

The indirect lights will come on when the "ENGINE START STOP" switch is in IGNITION ON mode. When the shift lever is moved out of the P, the intensity of the light will be reduced.

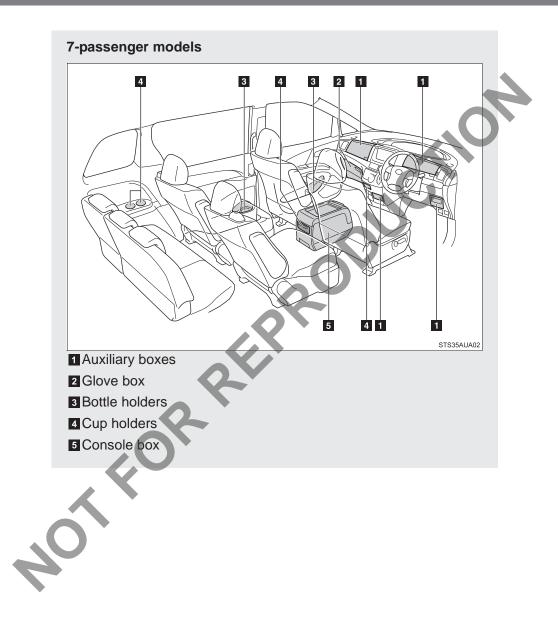
#### To prevent battery discharge

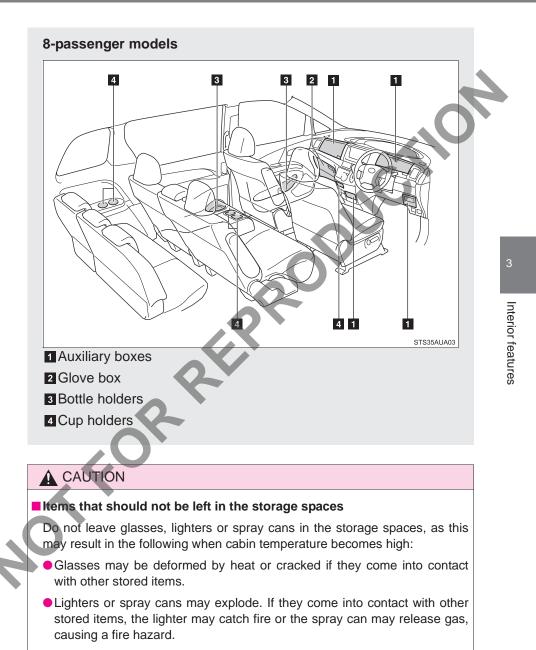
If the lights remain on when the door is not fully closed and the interior light switch is in the "DOOR" position, the lights will go off automatically after 20 minutes.

#### Customization that can be configured at Toyota dealer

Settings (e.g. the time elapsed before lights turn off) can be changed. (Customizable features  $\rightarrow$ P. 511)

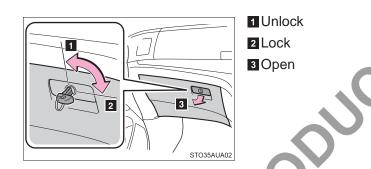
# 3-5. Using the storage features List of storage features





#### Glove box

The glove box can be opened by pulling the lever, locked and unlocked by using the mechanical key.

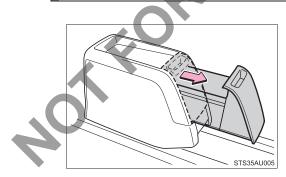


#### **CAUTION**

#### While driving

Keep the glove box closed. In the event of sudden braking, an accident may occur due to an occupant being struck by the open glove box or the items stored inside.

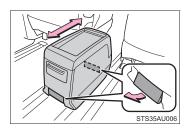
## Console box (7-passenger models)



Slide the console box lid.

Console box

#### Sliding the console box



Pull up the lever and slide the console box.

Release the lever after sliding the console box to the desired position.

## **CAUTION**

#### While driving

Keep the console box closed. In the event of sudden braking, an accident may occur due to an occupant being struck by the open console box or the items stored inside.

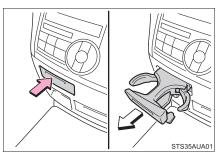
#### Console box adjustment precaution

- Do not adjust the position of the console box while the vehicle is moving. This may cause the driver to mishandle the vehicle and may lead to an accident that results in death or serious injury.
- Be careful not to get hands or feet pinched between the front console box and the center panel or rear seats.
- Be careful not to allow the front console box to hit any passengers while adjusting its position.

• After adjusting the console box, make sure it is securely locked in position.

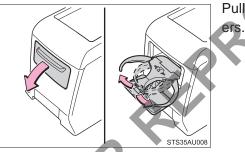
## Cup holders

#### Front seats



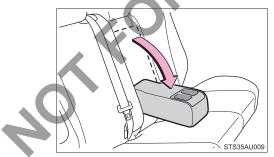
Press in and release the front cup holders.

Second seats (with 7-passenger models)



Pull out and open the cup hold-

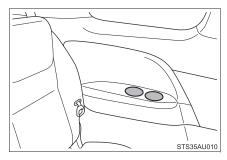
## Second seats (with 8-passenger models)



Pull the armrest down.

Cup holders and bottle holders

#### Third seats



### **CAUTION**

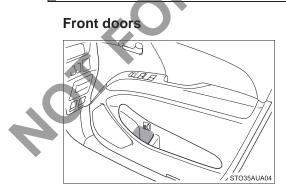
#### Items unsuitable for the cup holder

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

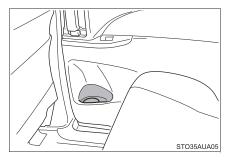
## When not in use (except third seats)

Keep the cup holders closed. In the event of sudden braking, an accident may occur due to an occupant being struck by the open cup holders or the items stored inside.

#### Bottle holders



#### Sliding doors



#### When using the bottle holder

• When storing a bottle, close the cap.

• The bottle may not be stored depending on its size or shape.

### **CAUTION**

#### Items unsuitable for the bottle holder

Do not place anything other than a bottle in the bottle holders. Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury.

## 

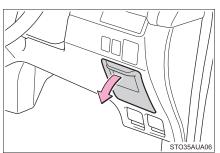
#### Items that should not be stowed in the bottle holders

Put the cap on before stowing a bottle. Do not place open bottles in the bottle holders, or glasses and paper cups containing liquid. The contents may spill and glasses may break.

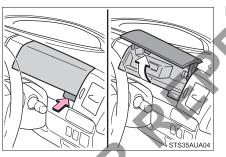
Auxiliary boxes

## Auxiliary boxes

Туре А



## Туре В



STO35AUA08

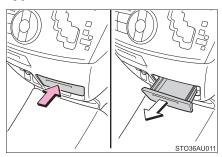
Type C

Pull the lid.

Press the button to open the lid.

Press the button to open the lid.

#### Type D



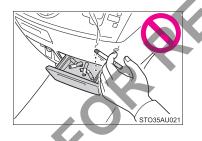
Press the lid to open.

## **CAUTION**

## While driving

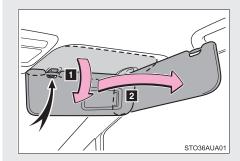
Keep the auxiliary boxes closed. In the event of sudden braking, an accident may occur due to an occupant being struck by an open auxiliary box or the items stored inside.

## Auxiliary box precaution (type D)



The auxiliary box is not an ashtray. Do not put matches, cigarette ash, etc., in the box.

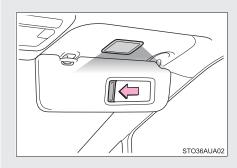
# 3-6. Other interior features **Sun visors**



<<

- To set the visor in the forward position, flip it down.
   To set the visor in the side ,
  - position, flip down, unhook, and swing it to the side.

# 3-6. Other interior features Vanity mirrors



Slide the cover to open.

The light turns on when the cover is opened.

#### ■ Vanity lights can be used when

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

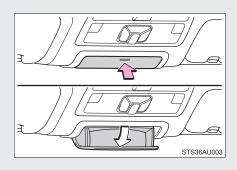
## 

### To prevent battery discharge

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

# 3-6. Other interior features Conversation mirror

The conversation mirror can be used when a driver needs to confirm the rear seat condition.



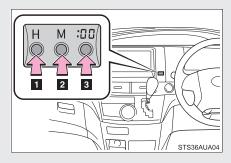
4C

Press the lid to open.

C

# 3-6. Other interior features **Clock**

### The clock can be adjusted by pressing the buttons.



1 Adjusts the hours
2 Adjusts the minutes
3 Rounds to the nearest hour*
*: e.g. 1:00 to 1:29 → 1:00 1:30 to 1:59 → 2:00

### The clock is displayed when

. 40

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

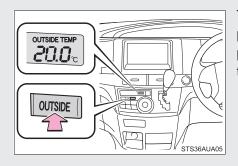
## When disconnecting and reconnecting battery terminals

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

350

## 3-6. Other interior features Outside temperature display

The temperature display shows temperatures within the range of  $-40^{\circ}$ C (-40°F) and 50°C (122°F).



The outside temperature display can be indicated by pressing the "OUTSIDE" button.

To return to the previous display, press the "OUTSIDE" button again.

## The outside temperature is displayed when

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

#### Display

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

- When the vehicle is stopped, or moving at low speeds (less than 25 km/h [16 mph])
- When the outside temperature has changed suddenly (at the entrance/ exit of a garage, tunnel, etc.)

## ■ When "--" is displayed

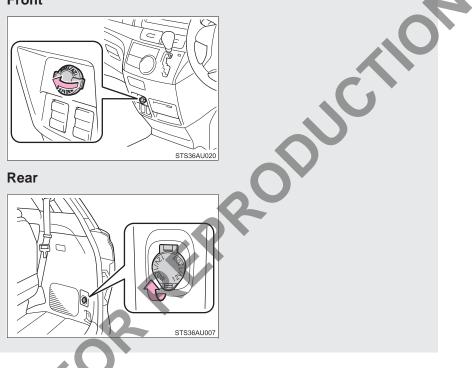
The system may be malfunctioning. Take your vehicle to your Toyota dealer.



# 3-6. Other interior features **Power outlets**

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

#### Front



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

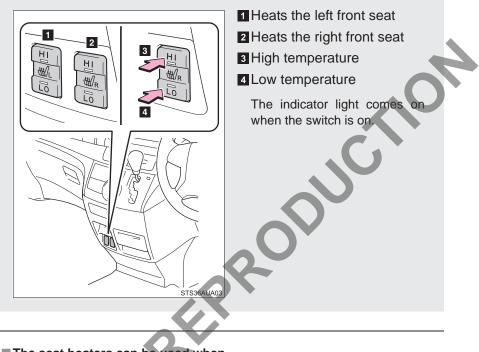
#### To prevent blown fuse

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

### To prevent battery discharge

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

# 3-6. Other interior features **Seat heaters***

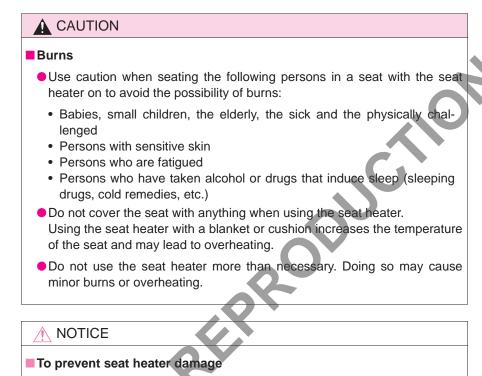


### The seat heaters can be used when

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

When not in use

Turn the seat heater off.



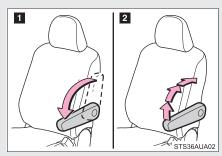
Do not put heavy objects that have an uneven surface on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.

#### To prevent battery discharge

Turn the seat heaters off when the engine is not running.

Interior features

### Front seats

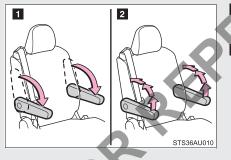


- 1 Fold down the armrest for use.
- Raise the armrest to the desired position and it will be fixed.

When the armrest is fixed, you cannot just lower it. When you want to lower it, raise it once more to the top-



## Second seats (with 7-passenger models)



**1** Fold down the armrest for use.

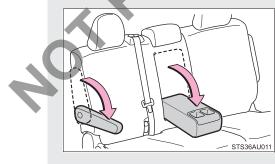
Raise the armrest to the desired position and it will be fixed.

When the armrest is fixed, you cannot just lower it.

When you want to lower it, raise it once more to the topmost position.

## Second seats (with 8-passenger models)

Fold down the armrest for use.



## 

FC

## To prevent damage to the armrest

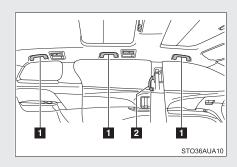
Do not apply too much load on the armrest.

EPR

## 3-6. Other interior features Assist grips

An assist grip (type A) installed on the ceiling can be used to support your body while sitting on the seat.

An assist grip (type B) installed on the pillar can be used when getting in or out of the vehicle and others.



Assist grip (type A)
 Assist grip (type B)

## **CAUTION**

#### Assist grip (type A)

Do not use the assist grip (type A) when getting in or out of the vehicle or rising from your seat.

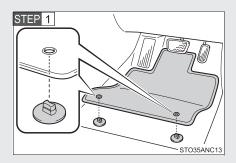
## 

#### To prevent damage to the assist grip

Do not hang any heavy object or put a heavy load on the assist grip.

# 3-6. Other interior features **Floor mat**

Use only floor mats designed specifically for vehicles of the same model and model year as your vehicle. Fix them securely in place onto the carpet.



Insert the retaining hooks (clips) into the floor mat eyelets.

STEP 2

Turn the upper knob of each retaining hook (clip) to secure the floor mats in place.

*: Always align the  $\triangle$  marks.

The shape of the retaining hooks (clips) may differ from that shown in the illustration.

# **CAUTION**

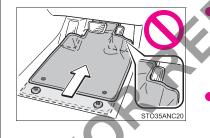
#### Observe the following precautions.

Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle, leading to a serious accident.

#### When installing the driver's floor mat

- Do not use floor mats designed for other models or different model year vehicles, even if they are Toyota Genuine floor mats.
- Only use floor mats designed for the driver's seat.
- Always install the floor mat securely using the retaining hooks (clips) provided.
- Do not use two or more floor mats on top of each other.
- Do not place the floor mat bottom-side up or upside-down.

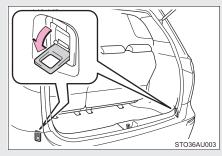
#### Before driving



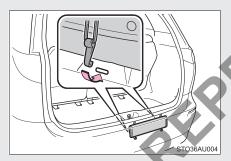
- Check that the floor mat is securely fixed in the correct place with all the provided retaining hooks (clips). Be especially careful to perform this check after cleaning the floor.
- With the engine stopped and the shift lever in P, fully depress each pedal to the floor to make sure it does not interfere with the floor mat.

# 3-6. Other interior features Luggage compartment features

# Cargo hooks



#### Warning reflector holder



Pull the hook down to use.

The cargo hooks are provided for securing loose items.

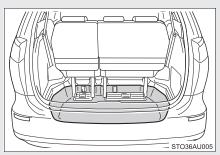
Secure the warning reflector.

To stow the warning reflector holder, use the holding bands and make sure the warning reflector is secured.

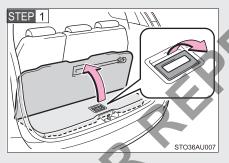
Vehicles with a compact spare tire: Take out holding bands from the tool bag.  $(\rightarrow P. 461)$ 

Vehicles with a full-size spare tire: Holding bands can be purchased at your Toyota dealer. Auxiliary box

Type A



# Туре В



STEP 2

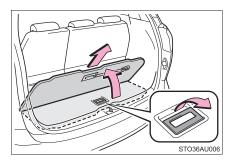
Pull up the lever and open the deck board.

Secure the deck board, using the strap hook provided.

Remove the strap hook
 Secure the hook

2 Secure the hoo

# Removing the deck board (type B)



Lift the deck board and pull it toward you to remove it.

# **CAUTION**

#### When the cargo hooks are not in use

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

#### When operating the deck board (type B)

Do not place anything on the deck board when operating the board. Otherwise, your fingers may be caught or an accident may result causing injuries.

# 

# When the warning reflector holder is not in use

Stow the holding bands in the tool bag.

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		4
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# 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

Before washing the vehicle:

- Fold the mirrors.
- Turn off the power sliding door system (if equipped).

Make sure to extend the mirrors before driving.

 Brushes used in automatic car washes may scratch the vehicle surface and harm your vehicle's paint.

In certain automatic car washes, the rear spoiler may interfere with machine operation. This may prevent the vehicle from being cleaned properly or result in damage to the rear spoiler.

#### High pressure car washes

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

#### Aluminum wheels (if equipped)

 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.

- Do not use detergent on the wheels when they are hot, for example after driving for long distance in the hot weather.
- Wash detergent from the wheels immediately after use.
- To preserve the wheels' luster, do not allow hot water, such as from steam cleaning, to contact them directly.

#### Bumpers

Do not scrub with abrasive cleaners.

# **CAUTION**

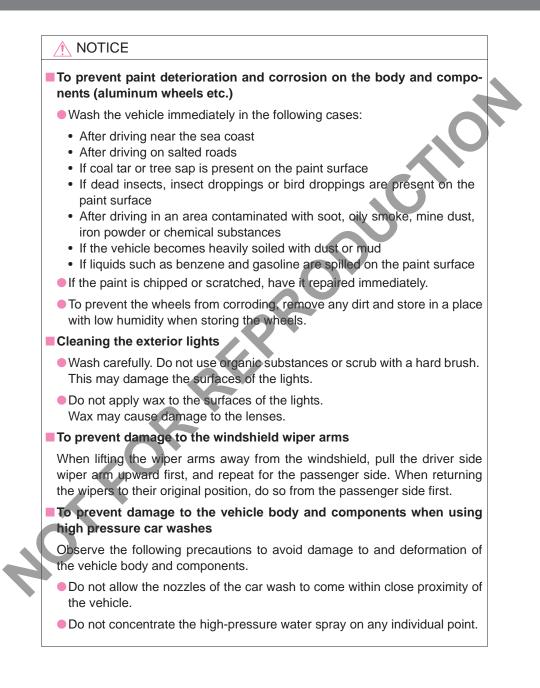
#### When washing the vehicle

Do not apply water to the inside of the engine compartment. Doing so may cause the electrical components etc. to catch fire.

#### Precautions regarding 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.



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 off 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.

# Cleaning the 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.

#### Caring for leather areas

Toyota 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 use water. Wipe dirty surfaces and let them dry. 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.

# 

#### Water in the vehicle

- Do not splash or spill liquid in the vehicle.
  - Doing so may cause electrical components etc. to malfunction or catch fire.
- Do not get any of the SRS components or wiring in the vehicle interior wet. ( $\rightarrow$ P. 132)

An electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or serious injury.

#### Cleaning the interior (especially instrument panel)

Do not use polish wax or polish cleaner. The instrument panel may reflect off the windshield, obstructing the driver's view and lead to an accident, resulting in death or serious injury.

# 

#### 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, and bleach
  - Seats: Alkaline or acidic solutions, such as thinner, benzene, and alcohol

Do not use polish wax or polish cleaner. The instrument panel's or other interior part's painted surface may be damaged.

#### Preventing damage to leather surfaces

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

- Remove any dust or dirt from 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 containing 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 such as the audio system above or under the floor of the vehicle. Water may also cause the body to rust.

#### Cleaning the inside of the rear window and the rear quarter windows

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

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

# 4-2. Maintenance Maintenance requirements

To ensure safe and economical driving, day-to-day care and regular maintenance are essential. Toyota recommends the following maintenance.

#### Scheduled maintenance

Scheduled maintenance should be performed at specified intervals according to the maintenance schedule.

For full details of your maintenance schedule, refer to the "Warranty and Service Booklet".

#### Do-it-yourself maintenance

What about do-it-yourself maintenance?

Many of the maintenance items are easy to do yourself if you have a little mechanical ability and a few basic automotive tools.

Note, however, that some maintenance tasks require special tools and skills. These are best performed by qualified technicians. Even if you are an experienced do-it-yourself mechanic, we recommend that repairs and maintenance be conducted by your Toyota dealer who will keep a record of maintenance on your vehicle. This record could be helpful should you ever require Warranty Service.

#### Where to go for maintenance service?

It makes good sense to take your vehicle to your local Toyota dealer for maintenance service as well as other inspections and repairs.

Toyota technicians are well-trained specialists receiving the latest service information through technical bulletins, service tips, and in-dealership training programs. They learn to work on Toyota before they work on your vehicle, rather than while they are working on it. Doesn't that seem like the best way?

Your Toyota dealer has invested a lot of money in special Toyota tools and service equipment. It helps them to do the job better and at less cost.

Your Toyota dealer's service department will perform all of the scheduled maintenance on your vehicle reliably and economically.

#### Does your vehicle need repair?

Be on the alert for changes in performance and sounds, and visual tip-offs that indicate service is needed. Some important clues are:

- Engine misfire, stumbling, or pinging
- Appreciable loss of power
- Strange engine noises
- A fluid leak under the vehicle (However, water dripping from the air conditioning system after use is normal.)
- Change in exhaust sound (This may indicate a dangerous carbon monoxide leak. Drive with the windows open and have the exhaust system checked immediately.)
- Flat-looking tires, excessive tire squeal when cornering, uneven tire wear
- Vehicle pulls to one side when driving straight on a level road
- Strange noises related to suspension movement
- Loss of brake effectiveness, spongy feeling brake pedal, pedal almost touches the floor, vehicle pulls to one side when braking
- Engine coolant temperature continually higher than normal

If you notice any of these clues, take your vehicle to your Toyota dealer as soon as possible. Your vehicle may need adjustment or repair.

# **CAUTION**

#### If your vehicle is not properly maintained

Improper maintenance could result in serious damage to the vehicle and possible death or serious injury.

#### Handling of the battery

Battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. ( $\rightarrow$ P. 391)

Items		Parts and tools
Battery condition	(→P. 391)	<ul> <li>Warm water</li> <li>Baking soda</li> <li>Grease</li> <li>Conventional wrench (for terminal clamp bolts)</li> <li>Distilled water</li> </ul>
Engine coolant level	(→P. 389)	<ul> <li>"Toyota Super Long Life Coolant" or a similar high quality ethylene glycol-based non-silicate, non- amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology. "Toyota Super Long Life Coolant" is pre- mixed with 50% coolant and 50% deionized water.</li> <li>Funnel (used only for adding cool- ant)</li> </ul>
Engine oil level	(→P. 385)	<ul> <li>"Toyota Genuine Motor Oil" or equivalent</li> <li>Rag or paper towel</li> <li>Funnel (used only for adding engine oil)</li> </ul>
Fuses	(→P. 411)	• Fuse with same amperage rating as original
Light bulbs	(→P. 427)	<ul> <li>Bulb with same number and watt- age rating as original</li> <li>Phillips-head screwdriver</li> <li>Flathead screwdriver</li> <li>Wrench</li> </ul>
Radiator and condens	er (→P. 390)	

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

C C

Items		Parts and tools	]
Tire inflation pressure	(→P. 400)	<ul><li>Tire pressure gauge</li><li>Compressed air source</li></ul>	
Washer fluid	(→P. 395)	<ul> <li>Water or washer fluid containing antifreeze (for winter use)</li> <li>Funnel (used only for adding water or washer fluid)</li> </ul>	

# **CAUTION**

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

#### When working on the engine compartment:

- 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 and rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel or the battery. Fuel and battery fumes are flammable.
- Be extremely cautious when working on the battery. It contains poisonous and corrosive sulfuric acid.

Take care because brake fluid can harm your hands or eyes and damage painted surfaces. If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately.

If you still experience discomfort, consult a doctor.

# **CAUTION**

#### When working near the electric cooling fans 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 fans may automatically start to run if the air conditioning is on and/or the coolant temperature is high. ( $\rightarrow$ P. 390)

#### Safety glasses

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

#### 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.

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

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

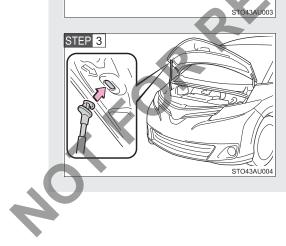


STEP 2

Pull the hood lock release lever.

The hood will pop up slightly

Pull up the auxiliary catch lever and lift the hood.



Hold the hood open by inserting the supporting rod into the slot.

# **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.

#### After installing the support rod into the slot

Make sure the rod supports the hood securely from falling down on to your head or body.

# 

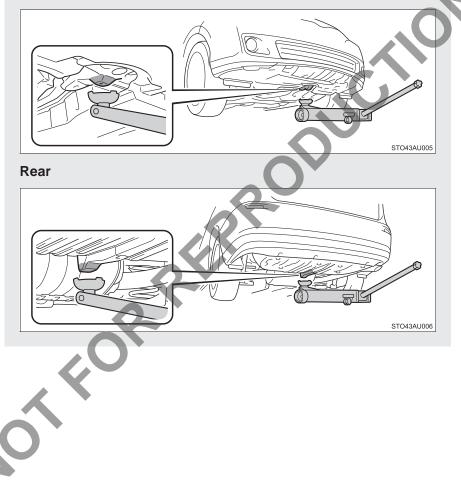
#### When closing the hood

Be sure to return the support rod to its clip before closing the hood. Closing the hood without returning the support rod properly could cause the hood to bend.

# 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.

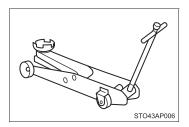
## Front



# **CAUTION**

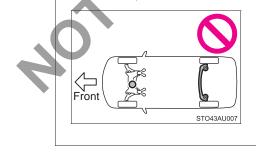
#### When raising your vehicle

Make sure to observe the following precautions 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.
- When using a floor jack, follow the instructions of the manual provided with the jack.
- Do not use the jack that was supplied with your vehicle.
- Do not put any part of your body underneath the vehicle when it is supported only by the floor jack,
- Always use floor jack and/or automotive jack stands on a solid, flat, 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 shift the shift lever to 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.



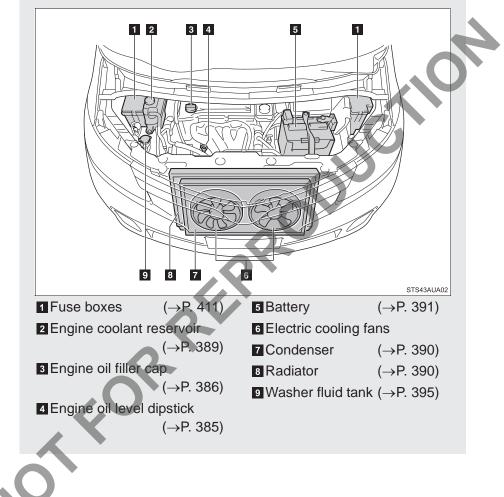
 Do not jack the vehicle at the suspension. The suspension may be damaged.

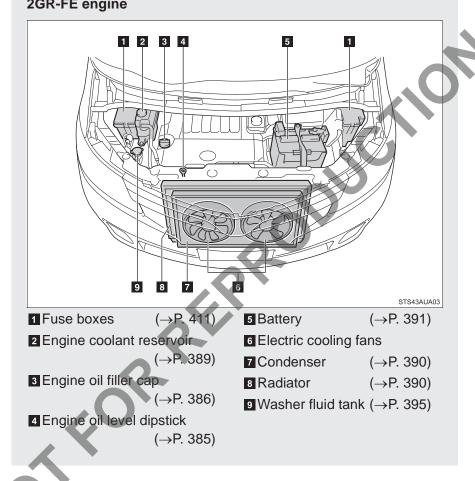
# 

- Do not raise the vehicle while someone is in the vehicle.
- When raising the vehicle, do not place any object on top of or underneath the floor jack.

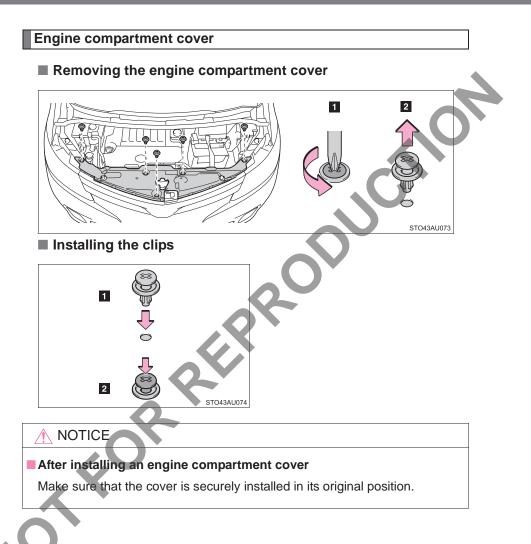
# 4-3. Do-it-yourself maintenance Engine compartment

# 2AZ-FE engine





# **2GR-FE engine**



# Engine oil

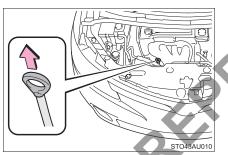
With the engine at operating temperature and turned off, check the oil level on the dipstick.

# Checking the engine oil

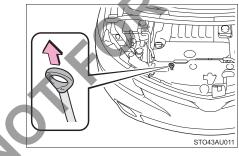
STEP 1 Park the vehicle on level ground. After warming up the engine and turning it off, wait more than 5 minutes for the oil to drain back into the bottom of the engine.

STEP 2 Holding a rag under the end, pull the dipstick out.

# 2AZ-FE engine





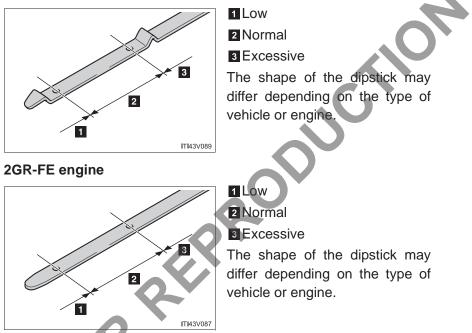


STEP 3 Wipe the dipstick clean.

STEP 4 Reinsert the dipstick fully.

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

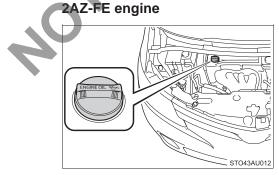
## 2AZ-FE engine



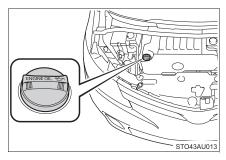
STEP 6 Wipe the dipstick and reinsert it fully.

# Adding engine oil

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



## 2GR-FE engine



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

Engine oil selection	→P. 502
Oil quantity (Low $\rightarrow$ Full)	2AZ-FE engine 1.1 L (1.2 qt., 1.0 lmp.qt.) 2GR-FE engine 1.5 L (1.6 qt., 1.3 lmp.qt.)
Item	Clean tunnel

STEP 1 Remove the oil filler cap by turning it counterclockwise.

STEP 2 Add engine oil slowly, checking the dipstick.

STEP 3 Install the oil filler cap by turning it clockwise.

# Engine oil consumption

A certain amount of engine oil will be consumed while driving. In the following situations, oil consumption may increase, and engine oil may need to be refilled in between oil maintenance intervals.

When the engine is new, for example directly after purchasing the vehicle or after replacing the engine

If low quality oil or oil of an inappropriate viscosity is used

- When driving at high engine speeds or with a heavy load, or when driving while accelerating or decelerating frequently
- When leaving the engine idling for a long time, or when driving frequently through heavy traffic

# **CAUTION**

#### Used engine oil

- Used engine oil contains potentially harmful contaminants which may cause skin disorders such as inflammation and 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 Toyota dealer, service station or auto parts store for information concerning recycling or disposal.

Do not leave used engine oil within the reach of children.

#### NOTICE

#### To prevent serious engine damage

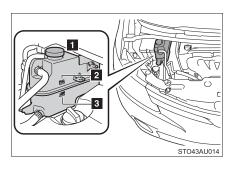
Check the oil level on a regular basis.

#### When replacing the engine oil

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

# Engine 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" line

3 "LOW" line

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

## Coolant selection

Only use "Toyota Super Long Life Coolant" or a similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology.

"Toyota Super Long Life Coolant" is a mixture of 50% coolant and 50% deionized water. (Minimum temperature: -35°C [-31°F])

For more details about engine coolant, contact your Toyota dealer.

# If the coolant level drops within a short time of replenishing

Visually check the radiator, hoses, engine coolant reservoir cap, drain cock and water pump.

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

# CAUTION

# When the engine is hot

Do not remove the engine coolant reservoir cap.

The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing serious injuries, such as burns.

# 

#### When adding coolant

Coolant is neither plain water nor straight antifreeze. The correct mixture of water and antifreeze must be used to provide proper lubrication, corrosion protection and cooling. Be sure to read the antifreeze or coolant label.

#### If you spill coolant

Be sure to wash it off with water to prevent it from damaging parts or paint.

#### Radiator and condenser

Check the radiator and condenser and clear away any foreign objects.

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

# **CAUTION**

#### When the engine is hot

Do not touch the radiator or condenser as they may be hot and cause serious injuries, such as burns.

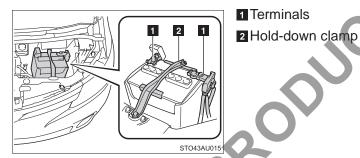


# Battery

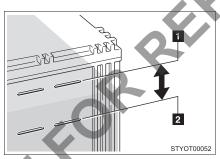
Check the battery as follows:

# Battery exterior

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



# Checking battery fluid

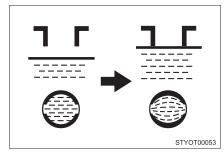


Check that the level is between the "UPPER LEVEL" and "LOWER LEVEL" lines.

"UPPER LEVEL" line
 "LOWER LEVEL" line

If the fluid level is at or below the "LOWER LEVEL" line, add distilled water.

## Adding distilled water



STEP 1 Remove the vent plug.

STEP 2 Add distilled water.

If the "UPPER LEVEL" line cannot be seen, check the fluid level by looking directly at the cell.

STEP 3 Put the vent plug back on and close it securely.

#### Before recharging

When recharging, the battery produces hydrogen gas which is flammable and explosive. Therefore, observe the following 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

• Vehicles with a smart entry & start system: Unlocking the doors using the smart entry & start system may not be possible immediately after reconnecting the battery. If this happens, use the wireless remote control or the mechanical key to lock/unlock the doors.

Start the engine with the "ENGINE START STOP" switch in ACCES-SORY mode. The engine may not start with the "ENGINE START STOP" switch turned off. However, the engine will operate normally from the second attempt.  The "ENGINE START STOP" switch mode is recorded by the vehicle. If the battery is reconnected, the vehicle will return the "ENGINE START STOP" switch mode to the status it was in before the battery was disconnected. Make sure to turn off the engine before disconnect the battery. Take extra care when connecting the battery if the "ENGINE START STOP" switch mode prior to discharge is unknown.

If the engine will not start even after multiple attempts, contact your Toyota dealer.

# **CAUTION**

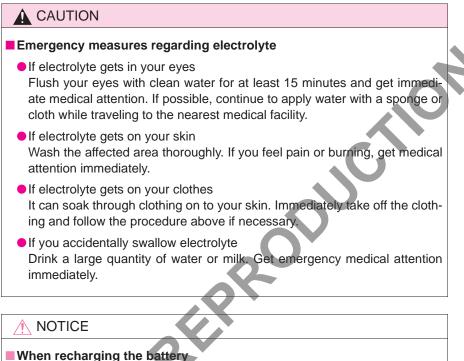
#### Chemicals in the battery

Batteries contain poisonous and corrosive sulfuric acid and may produce hydrogen gas which is flammable and explosive. To reduce the risk of death or serious injury, take the following precautions while working on or near the 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 insufficient ventilation.



Never recharge the better while the engine is

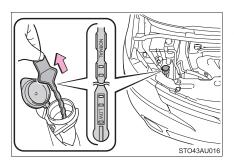
Never recharge the battery while the engine is running. Also, be sure all accessories are turned off.

#### When adding distilled water

Avoid overfilling. Water spilled during battery recharging may cause corrosion.

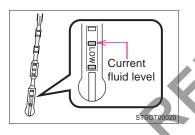
40

# Washer fluid



If the washer fluid level is at "LOW", add washer fluid.

## Using the gauge



The washer fluid level can be checked by observing the position of the level on the liquid covered holes in the gauge.

If the level falls below the second hole from the bottom (the "LOW" position), refill the washer fluid.

# **CAUTION**

# When adding washer fluid

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

## 

#### 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.

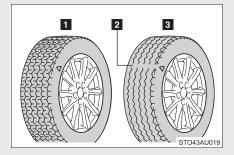
## Diluting washer fluid

Dilute washer fluid with water as necessary. Refer to the freezing temperatures listed on the label of the washer fluid bottle.

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

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

Checking tires



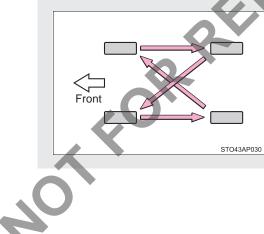
- 1 New tread
- 2 Treadwear indicator
- 3 Worn tread

The location of treadwear indicators is shown by the "TWI" or " $\Delta$ " marks, etc., molded on the sidewall of each tire.

Check spare tire condition and pressure if not rotated.

## Tire rotation

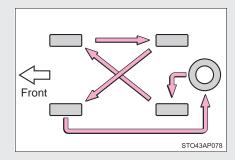
Vehicles with a spare tire of different wheel type from the installed tires



Rotate the tires in the order shown.

To equalize tire wear and help extend tire life, Toyota recommends that tire rotation is carried out approximately every 10000 km (6000 miles).

# Vehicles with a spare tire of the same wheel type as the installed tires



Rotate the tires in the order shown.

To equalize tire wear and help extend tire life, Toyota recommends that tire rotation is carried out approximately every 10000 km (6000 miles).

#### 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, and 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 Toyota dealer.

Tire life

Any tire over 6 years old must be checked by a qualified technician even if it has seldom or never been used or damage is not obvious.

#### If the tread on snow tires wears down below 4 mm (0.16 in.)

The effectiveness of the tires as snow tires is lost.

## **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 an accident resulting in death or serious injury.

- Do not mix tires of different makes, models or tread patterns. Also, do not mix tires of remarkably different treadwear.
- Do not use tire sizes other than those recommended by Toyota.
- Do not mix differently constructed tires (radial, bias-belted or bias-ply tires).
- Do not mix summer, all season and snow 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.
- Vehicles with a compact spare tire: Do not tow if your vehicle has a compact spare tire installed.

## 

#### Driving on rough roads

Take particular care when driving on roads with loose surfaces or potholes. These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition, driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

#### If tire inflation pressure of each tire becomes low while driving

Do not continue driving, or your tires and/or wheels may be ruined.

4

# 4-3. Do-it-yourself maintenance Tire inflation pressure

Make sure to maintain proper tire inflation pressure. Tire inflation pressure should be checked at least once per month. However, Toyota recommends that tire inflation pressure be checked once every two weeks. ( $\rightarrow$ P. 507)

#### 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 inflating, have it checked by your Toyota 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 or has not been driven for more than 1.5 km or 1 mile, you will get an accurate cold tire inflation pressure reading.

• Always use a tire pressure gauge.

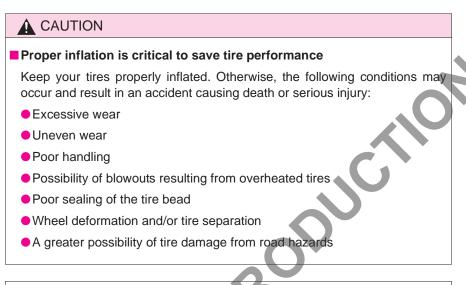
The appearance of the tire can be misleading. In addition, tire inflation pressure that is even just a few pounds off can affect ride quality and handling.

Do not reduce tire inflation pressure after driving. It is normal for 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.

● The spare tire inflation pressure should also be checked. The spare tire check should be performed out of the vehicle (→P. 469).



## NOTICE

#### When inspecting and adjusting tire inflation pressure

Be sure to put the tire valve caps back on.

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 are lost, replace them as soon as possible. If a wheel is bent, cracked or heavily corroded, it should be replaced. Otherwise, the tire may separate from the wheel or cause a 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 inset^{*}.

Replacement wheels are available at your Toyota dealer.

*: Conventionally referred to as "offset".

Toyota does not recommend using the following:

- Wheels of different sizes or types
- Used wheels
- Bent wheels that have been straightened
- Aluminum wheel precautions (if equipped)
  - Use only Toyota wheel nuts and wrenches designed for use with your aluminum wheels.
  - When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1600 km (1000 miles).
  - Be careful not to damage the aluminum wheels when using tire chains.

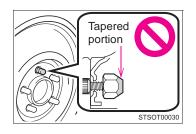
Use only Toyota genuine balance weights or equivalent and use a plastic or rubber hammer when balancing your wheels.

## **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 a 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.

#### When installing the wheel nuts



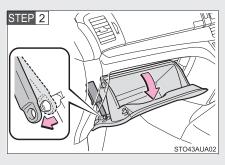
- Be sure to install the wheel nuts with the tapered ends facing inward. Installing the nuts with the tapered ends facing outward can cause the wheel to break and eventually cause the wheel to come off while driving, which could lead to an accident resulting in death or serious injury.
- Never use oil or grease on the wheel bolts or wheel nuts. Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing an accident and resulting in death or serious injury. Remove any oil or grease from the wheel bolts or wheel nuts.

## 4-3. Do-it-yourself maintenance Air conditioning filter

The air conditioning filter must be changed regularly to maintain air conditioning efficiency.

## Replacement method

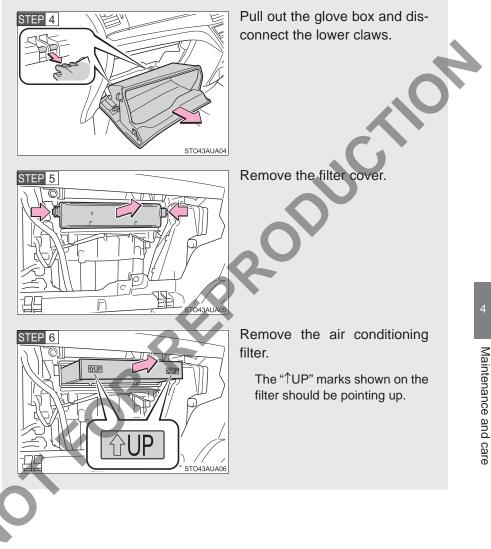
STEP 1 Turn the "ENGINE START STOP" switch off.



STEP 3

Open the glove box. Slide off the damper.

Pull both side of the glove box from the inside to disconnect the upper claws.



#### 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, please refer to the "Warranty and Service Booklet".)

#### If air flow from the vents decreases dramatically

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

## 

#### When using the air conditioning system

Make sure that a filter is always installed. Using the air conditioning system without a filter may cause damage to the system.

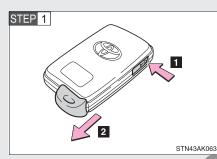
# 4-3. Do-it-yourself maintenance Electronic key battery

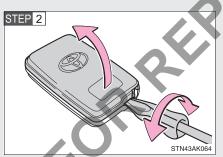
Replace the battery with a new one if it is depleted.

## You will need the following items:

- Flathead screwdriver
- Lithium battery (CR1632)

## Replacing the battery





STEP 3

Take out the mechanical key.

## Remove the cover.

To prevent damage to the key, cover the tip of the screwdriver with a rag.

Remove the depleted battery.

Insert a new battery with the "+" terminal facing up.

#### Use a CR1632 lithium battery

- Batteries can be purchased at your Toyota dealer, local electrical appliance shops or camera stores.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to local laws.

#### If the electronic key battery is depleted

The following symptoms may occur:

- The smart entry & start system or push-button start system and wireless remote control will not function properly.
- The operational range will be reduced.

## **CAUTION**

#### Removed battery and other parts

These parts are small and if swallowed by a child, they can cause choking. Keep away from children. Failure to do so could result in death or serious injury.

## 

#### 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 component inside the remote control.

Do not bend either of the battery terminals.

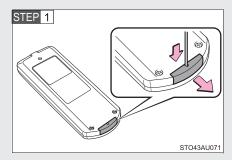
# 4-3. Do-it-yourself maintenance Rear seat entertainment system controller battery*

Replace the battery with new one if they are depleted.

## You will need the following items:

Lithium battery (CR2025)

Replacing the battery



STEP 2

Remove the battery case by inserting a sharp point into the hole and remove the case.

Remove the depleted battery.

Insert a new battery with the "+" terminal facing up.

*: If equipped

#### Use a CR2025 lithium battery

- Batteries can be purchased at your Toyota dealer, local electric appliance shops or camera stores.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the local laws.

#### If the batteries are depleted

The following symptoms may occur:

- The rear seat entertainment system control will not function properly.
- The operational range will be reduced.

## **CAUTION**

#### Removed battery and other parts

These parts are small and if swallowed by a child, they can cause choking. Keep away from children. Failure to do so could result in death or serious injury.

## 🔨 NOTICE



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 component inside the controller.
- Do not bend either of the battery terminals.

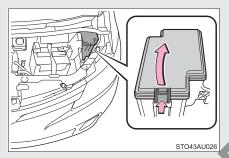
# 4-3. Do-it-yourself maintenance Checking and replacing fuses

If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

STEP 1 Turn the "ENGINE START STOP" switch off.

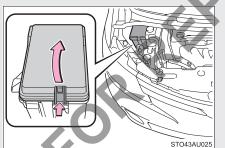
STEP 2 Open the fuse box cover.

Engine compartment (type A fuse box)

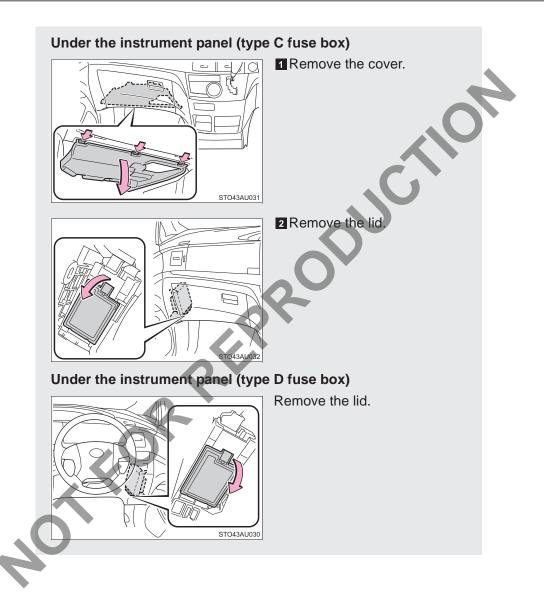


Push the tab in and lift the lid off.

## Engine compartment (type B fuse box)



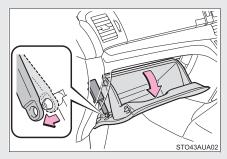
Push the tab in and lift the lid off.



## Under the instrument panel (type E fuse box)

STO43AUA03

STO43AUA04

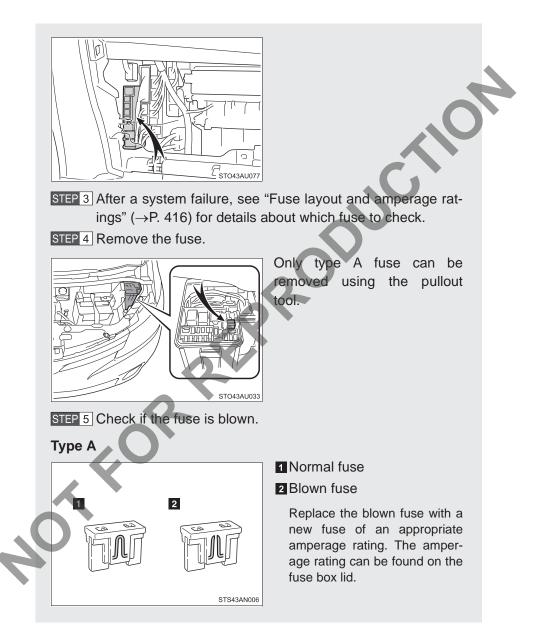


1 Open the glove box. Slide off the damper.

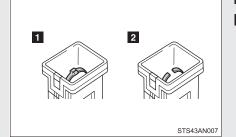
2 Pull both side of the glove box from the inside to disconnect the upper claws.



3 Pull out the glove box and disconnect the lower claws.



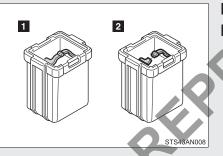
## Туре В



Туре С

# Normal fuse Blown fuse

Replace the blown fuse with a new fuse of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

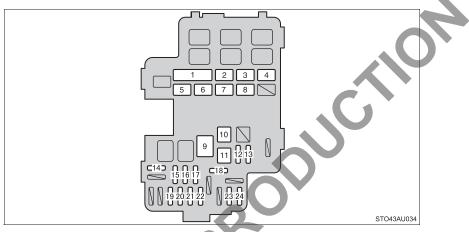


## 1 Normal fuse 2 Blown fuse

Replace the blown fuse with a new fuse of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

## Fuse layout and amperage ratings

## Engine compartment (type A fuse box)

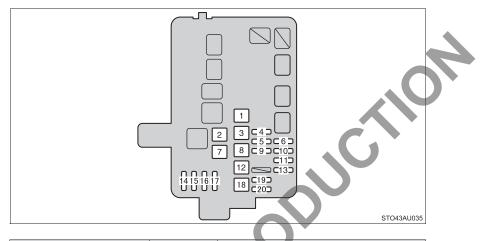


		Fuse	Ampere	Circuit
	1	RH R/B ALT	100 A	CDS FAN, RDI FAN, PTC NO.1, PTC NO.2, PTC NO.3, H-LP CLAN, FOG fuse
	2	RH-MAIN-JB	60 A	STOP, AM1, STP HI MT, STP RR, STP RL, OBD, P/W RR, PSB, P/ W FR, RR FOG, P/SEAT RH, PSD RH, CIG, ECU-ACC, RAD NO.2, P/POINT, FR WIP, SEAT HTR RH, RH ECU-IG fuse
1	3	LH-MAIN-JB	80 A	TAIL, PANEL, P/W RL, PSD LH, S/R, 4WD, PBD, P/W FL, DR LOCK, GAUGE NO.1, RR WIP, SEAT HTR LH, GAUGE NO.2, LH ECU-IG, WASH fuse
•	4	SUB R/B	80 A	HTR, RR A/C, 3RD SEAT RH, 3RD SEAT LH fuse
	5	F/B ALT	100 A	ABS NO.1, ABS NO.2, DEF fuse

		Fuse	Ampere	Circuit
	6	ALT	140 A	Gauges and meters, charging system, F/B ALT, SUB R/B, RH- MAIN-JB, LH-MAIN-JB, RH R/B ALT fuse
	7	F/B BATT	120 A	EPS, ST, A/F, EFI, TRN HAZ, IG2, FR DOOR, ETC-S, AM2 NO.2, AM2 NO.1, DOME, ECU-B, RAD NO.1 fuse
	8	RH R/B BATT	60 A	Headlight cleaners, H-LP RL, H- LP LL, S/HORN, ECU-B3, ECU- B2, AMP, STRG LCK, HORN, H- LP RH, H-LP LH fuse
	9	EPS	80 A	Electric power steering
	10	ST	30 A	Multiport fuel injection system/ sequential multiport fuel injection system, smart entry & start sys- tem, push-button start system
	11	ABS NO.1	50 A	Anti-lock brake system, vehicle stability control
	12	ABS NO.2	30 A	Anti-lock brake system, vehicle stability control
	13	DEF	25 A	Rear window defogger, MIR HTR
	14	EFI	20 A	Multiport fuel injection system/ sequential multiport fuel injection system
4	15	ECU-B	10 A	Gauges and meters, air condition- ing system, smart entry & start sys- tem, push-button start system, power sliding doors, multiplex com- munication system, wireless remote control system

	Fuse	Ampere	Circuit
16	DOME	7.5 A	Interior lights, luggage compart- ment light, door courtesy lights, front personal lights, rear personal lights, multiplex communication system
17	RAD NO.1	15 A	Audio system, rear seat entertain- ment system
18	MIR HTR	10 A	No circuit
19	ETC-S	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
20	AM2 NO.2	7.5 A	Multiport fuel injection system/ sequential multiport fuel injection system, snatering&dat system, push-button start system
21	TRN HAZ	15 A	Turn signal lights, emergency flashers
22	IG2	15 A	Multiport fuel injection system/ sequential multiport fuel injection system, smart entry & start sys- tem, push-button start system, starting system, MET, IGN fuse
23	FR DOOR	30 A	Smart entry & start system, push- button start system, multiplex communication system
24	A/F	30 A	Multiport fuel injection system/ sequential multiport fuel injection system

## Engine compartment (type B fuse box)

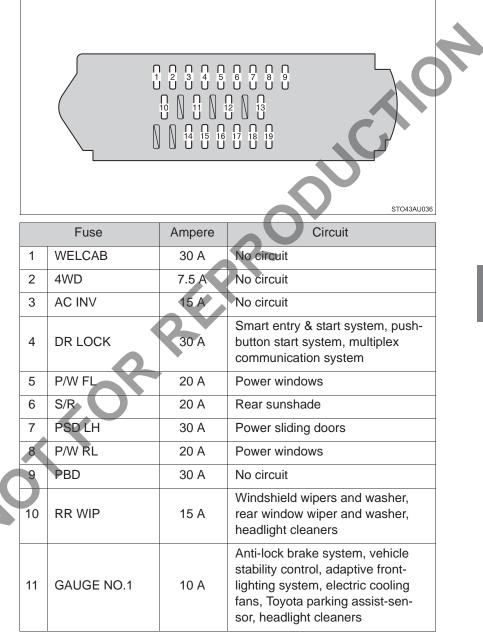


Fuse		Ampere	Circuit
1	WEL CAB	30 A	No circuit
2	CDS FAN ^{*1}	50 A	Electric cooling fans
2	RDI FAN NO.2 ^{*2}	30 A	
3	H-LP CLN	30 A	Headlight cleaners
4	ECU-B3	7.5 A	Smart entry & start system, push- button start system
5	ECU-B2	7.5 A	Power windows
6	HORN	10 A	Horns
7	RDI FAN ^{*1}	50 A	Electric cooling fans
	RDI FAN NO.1 ^{*2}	0077	
8	PTC NO.3	50 A	Air conditioning system
9	S/HORN	10 A	Smart entry & start system
10	STRG LCK	20 A	Smart entry & start system, push- button start system, steering lock system
11	AMP2	30 A	No circuit
12	PTC NO.2	50 A	Air conditioning system
			· · · · · · · · · · · · · · · · · · ·

	Fuse	Ampere	Circuit	
13	AMP1	30 A	No circuit	
14	H-LP LH	15 A	Left-hand headlight (high beam)	
15	H-LP RH	15 A	Right-hand headlight (high beam)	
16	H-LP LL	15 A	Left-hand headlight (low beam)	
17	H-LP RL	15 A	Headlight leveling system, right- hand headlight (low beam)	
18	PTC NO.1	50 A	Air conditioning system	
19	DEICER	20 A	No circuit	
20	FOG	15 A	Front fog lights	

*1: 2AZ-FE engine

*2: 2GR-FE engine



#### Under the instrument panel (type C fuse box)

	Fuse	Ampere	Circuit	
12	PANEL	10 A	Instrument panel lights, Toyota parking assist-sensor	
13	TAIL	10 A	Front fog lights, tail lights, front position lights, license plate lights	7
14	LH ECU-IG	10 A	Adaptive front-lighting system, multiplex communication system, smart entry & start system, push- button start system, power sliding doors, power seat (third seats)	
15	SEAT HTR LH	10 A	Seat heater LH	
16	GAUGE NO.2	10 A	Charging system, automatic trans- mission system/continuously vari- able transmission system, back-up lights, Toyota parking assist-sen- sor, power seat (third seats)	
17	STP RR	7.5 A	No circuit	1
18	STP HI MT	7.5 A	No circuit	1
19	STP RL	7.5 A	No circuit	]

NOTFOR

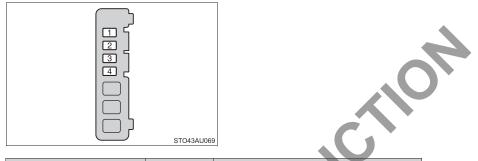
#### $\begin{bmatrix} 1 & 2 & 3 & 4 & 5 & 6 & 7 & 8 & 9 \\ 1 & 2 & 3 & 1 & 12 & 13 & 14 & 15 \\ 10 & 11 & 12 & 13 & 14 & 15 \\ \end{bmatrix}$ STO43AU037 Fuse Circuit Ampere 1 PSB 30 A No circuit No circuit 2 **RR FOG** 7.5 A 20 A 3 P/W FR Power windows Power seat (Front seat) 4 P/SEAT RH 30 A 5 AM 1 7.5 A No circuit Stop lights, high mounted stoplight, automatic transmission system/continuously variable transmission system, shift lock 15 A system, multiport fuel injection system/sequential multiport fuel injection system, anti-lock brake system, vehicle stability control OBD 7.5 A On-board diagnosis system 8 PSD RH Power sliding doors 30 A 9 Power windows P/W RR 20 A 10 P/POINT 15 A Power outlet 11 P/POINT NO.2 15 A Power outlet

#### Under the instrument panel (type D fuse box)

	Fuse	Ampere	Circuit
12	RAD NO.2	7.5 A	Audio system, rear seat entertain- ment system
13	ECU-ACC	7.5 A	Smart entry & start system, push- button start system, outside rear view mirrors, shift lock system
14	IGN	10 A	Multiport fuel injection system/ sequential multiport fuel injection system, SRS airbag system, mul- tiplex communication system
15	MET	7.5 A	Gauges and meters
16	FR WIP	30 A	Windshield wipers and washer
17	SEAT HTR RH	10 A	Seat heater RH
18	RH ECU-IG	10,A	Vehicle stability control, air condi- tioning system, Toyota parking assist-sensor, automatic trans- mission system/continuously vari- able transmission system, electric power steering, smart entry & start system, push-button start system, power sliding doors, rear sunshade, shift lock system, turn signal lights, emergency flashers, vanity lights, multiplex communi- cation system

## Under the instrument panel (type E fuse box)

, FC



	Fuse	Ampere	Circuit
1	HTR	50 A	Air conditioning system
2	3RD SEAT RH	30 A	Power seat (Third seats)
3	3RD SEAT LH	30 A	Power seat (Third seats)
4	RR A/C	30 A	Air conditioning system

#### 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. 427)
- If the replaced fuse blows again, have the vehicle inspected by your Toyota dealer.

#### If there is an overload in a circuit

The fuses are designed to blow, protecting the wiring harness from damage.

## 

#### To prevent system breakdowns and vehicle fire

Observe the following precautions.

Failure to do so may cause damage to the vehicle, and possibly a fire or injury.

- Never use a fuse of a higher amperage rating than that indicated, or use any other object in place of a fuse.
- Always use a genuine Toyota fuse or equivalent.
   Never replace a fuse with a wire, even as a temporary fix.
- Do not modify the fuses or fuse boxes.

## 

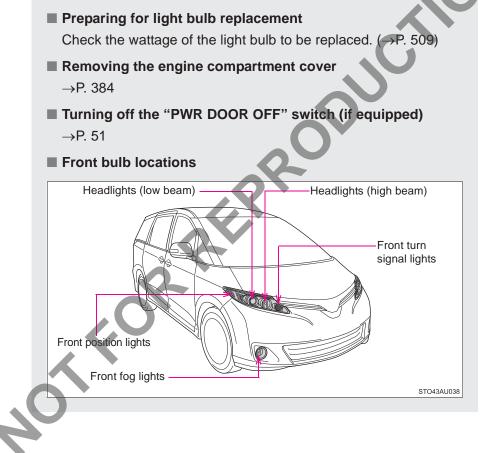
#### Before replacing fuses

Have the cause of electrical overload determined and repaired by your Toyota dealer as soon as possible.

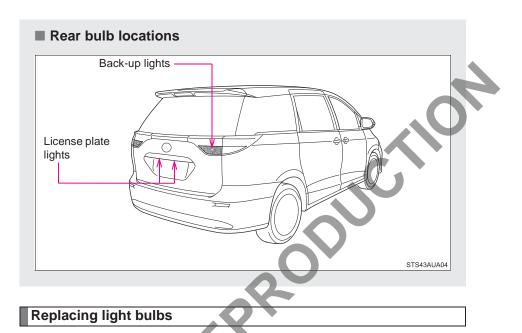
# 4-3. Do-it-yourself maintenance Light bulbs

You may replace the following bulbs by yourself. The difficulty level of replacement varies depending on the bulb. If necessary bulb replacement seems difficult to perform, contact your Toyota dealer.

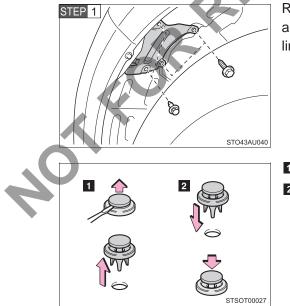
For more information about replacing other light bulbs, contact your Toyota dealer.



Maintenance and care

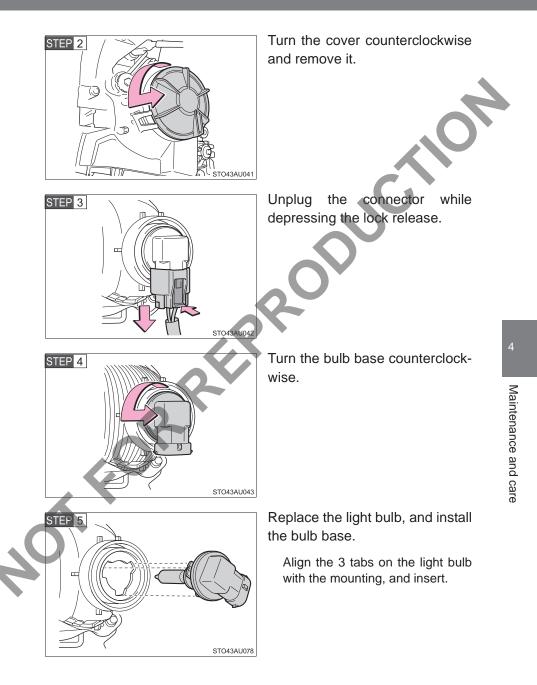


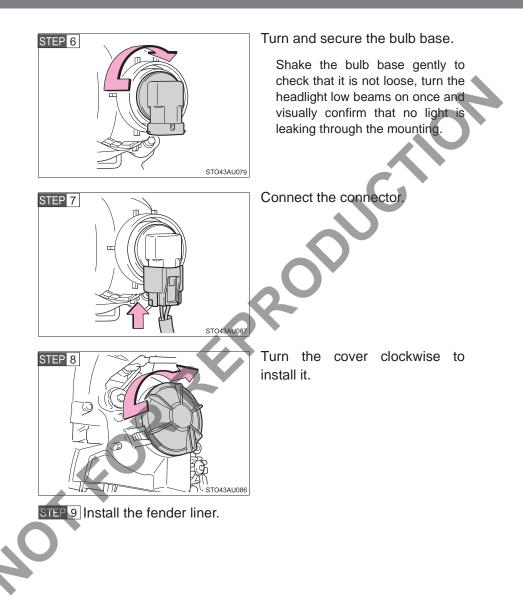
# Headlights (low beam) [vehicles with halogen headlights]



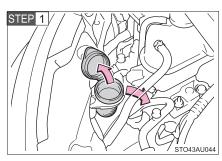
Remove the fender liner bolts and clips, and remove the fender liner.

Remove the clips.
 Insert the clips.



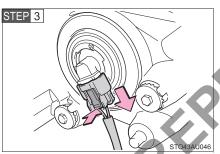


## Headlights (high beam)

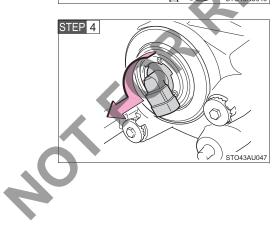


Right side only: Move the washer fluid filler opening to allow easy access to the light bulbs.

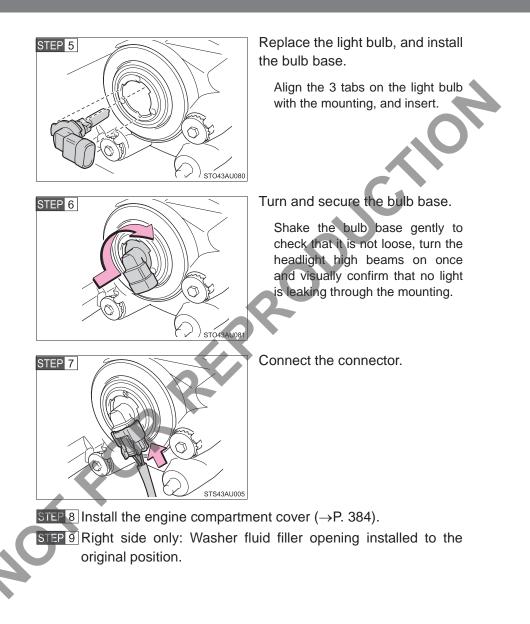
STEP 2 Remove the engine compartment cover ( $\rightarrow$ P. 384).



Unplug the connector while depressing the lock release.



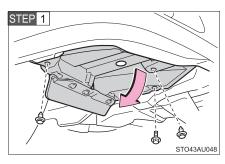
Turn the bulb base counterclockwise.



# Front fog lights

STEP 2

STEP 3



Remove the fender liner bolt and clips, and partly remove the fender liner.

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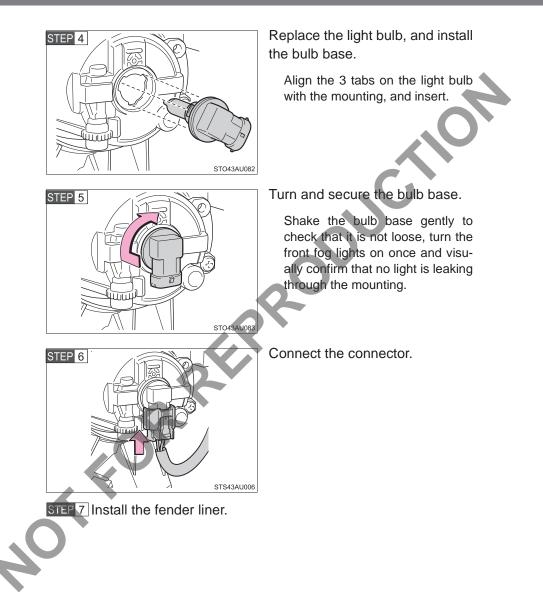
wise.

1 Remove the clips. 2 Insert the clips.

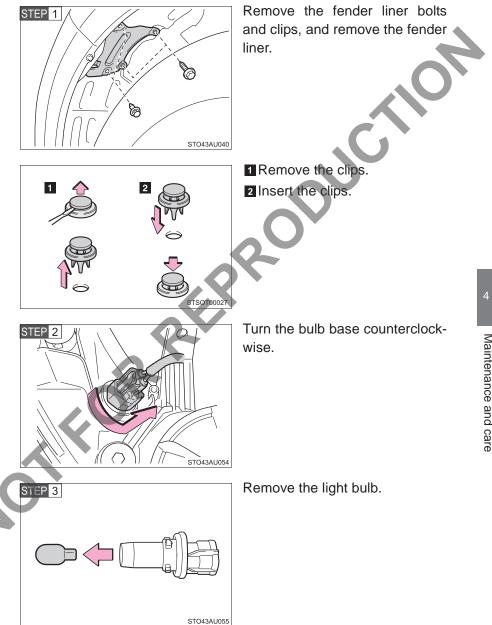
Unplug the connector while depressing the lock release.

Maintenance and care

Turn the bulb base counterclock-

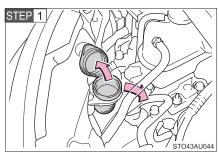


## Front position lights



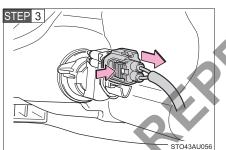
STEP 4 When installing, reverse the steps listed.

# Front turn signal lights

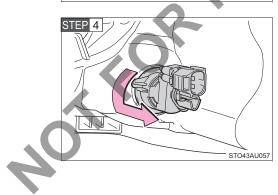


Right side only: Move the washer fluid filler opening to allow easy access to the light bulbs.

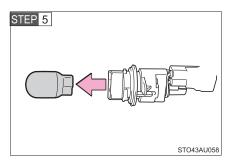
STEP 2 Remove the engine compartment cover ( $\rightarrow$ P. 384).



Unplug the connector while depressing the lock release.



Turn the bulb base counterclock-wise.



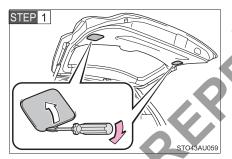
Remove the light bulb.

STEP 6 When installing, reverse the steps listed.

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# Back-up lights

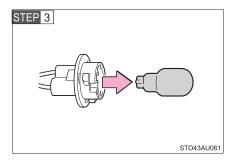
STEP 2



Open the back door and remove the cover.

To prevent damaging the vehicle, wrap the screwdriver with a rag.

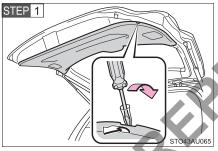
Turn the bulb base counterclockwise.



Remove the light bulb.

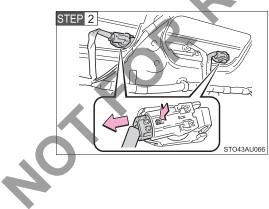
STEP 4 When installing, reverse the steps listed.

# License plate lights

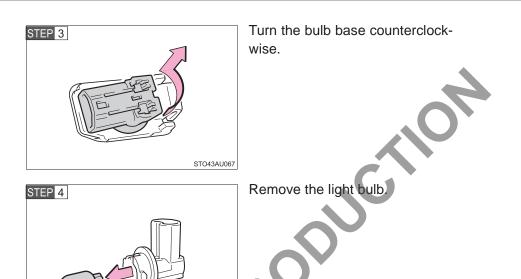


Remove the back door trim.

To prevent damaging the vehicle, wrap the screwdriver with a rag.



Unplug the connector while depressing the lock release.



STEP 5 When installing, reverse the steps listed.

# Lights other than the above

If any of the lights listed below has burnt out, have it replaced by your Toyota dealer.

• Headlight low beams (vehicles with discharge headlights)

STO43AU068

Side turn signal lights

Stop/tail lights

- Tail lights
- Rear turn signal lights
- High mounted stoplight

#### Discharge headlights (if equipped)

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

#### LED light bulbs

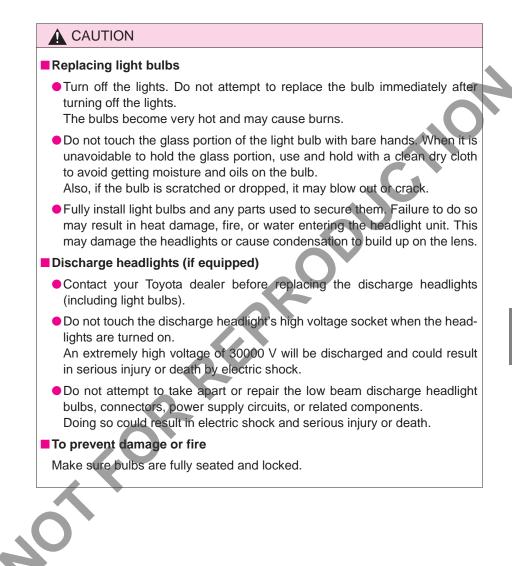
The side turn signal lights, tail lights, stop/tail lights and high mounted stoplight consist of a number of LEDs. If any of the LEDs burn out, take your vehicle to your Toyota dealer to have the light replaced.

#### Condensation build-up on the inside of the lens

Temporary condensation build-up on the inside of the headlight lens does not indicate a malfunction. Contact your Toyota dealer for more information in the following situations:

• Large drops of water have built up on the inside of the lens.

Water has built up inside the headlight.



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# When trouble arises

5

#### 5-1. Essential information

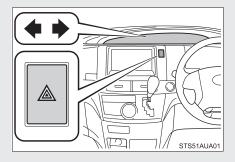
TFOR

Emergency flashers	444
If your vehicle needs to	
be towed	445
If you think something is	
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Fuel pump shut off	
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2.	Steps to take in	
	an emergency	
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	If the engine will not	
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	If your vehicle overheats	489
	If the vehicle becomes	
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	If your vehicle has to	
	be stopped in	
	an emergency	494

# 5-1. Essential information Emergency flashers

The emergency flashers are used to warn other drivers when the vehicle has to be stopped in the road due to a breakdown, etc.



Press the switch.

All the turn signal lights will flash. To turn them off, press the switch once again.

#### Emergency flashers

If the emergency flashers are used for a long time while the engine is not operating, the battery may discharge.

# 5-1. Essential information If your vehicle needs to be towed

If towing is necessary, we recommend having your vehicle towed by your Toyota dealer or commercial towing service, using a lift-type truck or flatbed truck.

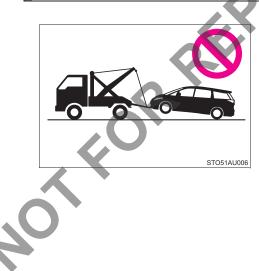
Use a safety chain system for all towing, and abide by all state/provincial and local laws.

## Situations needs to contact dealers before towing

The following may indicate a problem with your transmission. Contact your Toyota dealer or commercial towing service before towing.

- The engine is running but the vehicle will not move.
- The vehicle makes an abnormal sound.

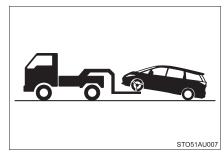
# Towing with a sling-type truck



Do not tow with a sling-type truck to prevent body damage.

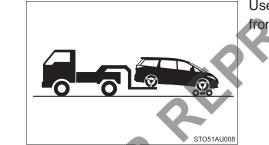
# Towing with a wheel-lift type truck

### From the front



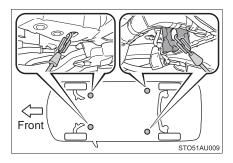
Release the parking brake.

From the rear

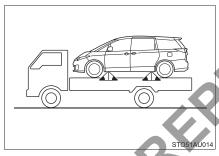


Use a towing dolly under the front wheels.

# Using a flatbed truck



If your Toyota is transported by a flatbed truck, it should be tied down at the locations shown in the illustration.



If you use chains or cables to tie down your vehicle, the angles shaded in black must be 45°.

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

### **Emergency towing**

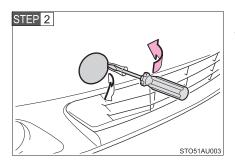
If a tow truck is not available in an emergency, your vehicle may be temporarily towed using a cable or chain secured to the emergency towing eyelet. This should only be attempted on hard surfaced roads for 80 km (50 miles) at low speeds.

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.

Only the front towing eyelet may be used.

#### Emergency towing procedure

STEP 1 Take out the towing eyelet. ( $\rightarrow$ P. 459)

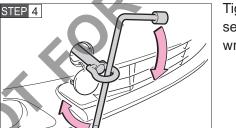


Remove the eyelet cover using a flathead screwdriver.

To protect the bodywork, place a rag between the screwdriver and the vehicle body as shown in the illustration.

STEP 3

Insert the towing eyelet into the hole and tighten partially by hand.



Tighten down the towing eyelet securely using a wheel nut wrench.

STEP 5 Securely attach a cable or chain to the towing eyelet. Take care not to damage the vehicle body.

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STEP 6 Enter the vehicle being towed and start the engine. If the engine does not start, turn the "ENGINE START STOP" switch to IGNITION ON mode. STEP 7 Shift the shift lever to N and release the parking brake. When the shift lever cannot be shifted:  $\rightarrow$ P. 479

#### While towing

If the engine is not running, the power assist for the brakes and steering will not function, making steering and braking more difficult.

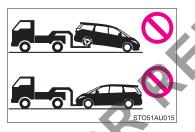
#### Wheel nut wrench

Wheel nut wrench is installed in luggage compartment. ( $\rightarrow$ P, 459)

# **CAUTION**

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

#### When towing the vehicle



Be sure to transport the vehicle with the front wheels raised or with all four wheels raised off the ground. If the vehicle is towed with the front wheels contacting the ground, the drivetrain and related parts may be damaged.

#### While towing

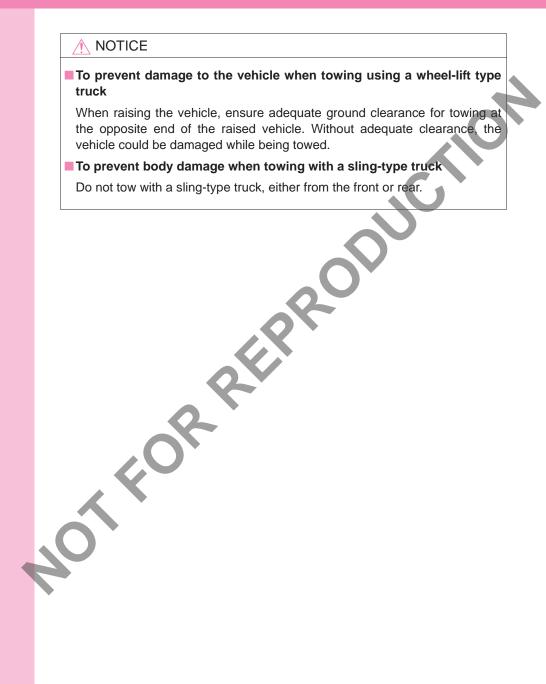
• When towing using a cables or chains, avoid sudden starts, etc. which place excessive stress on the towing eyelets, cables or chains. The towing eyelets, cables or chains may become damaged, broken debris may hit people and cause serious damage.

Do not turn the "ENGINE START STOP" switch off.

There is a possibility that the steering wheel is locked and cannot be operated.

#### 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.



If you notice any of the following symptoms, your vehicle probably needs adjustment or repair. Contact your Toyota 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 misfire, stumbling or running roughly
- 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 when an airbag inflates upon collision, the fuel pump shut off system stops the supply of 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 ACCESSORY mode or turn it off.

STEP 2 Restart the engine.

#### NOTICE

#### Before starting the engine

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

# 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 comes on or flashes. If a light comes on or flashes, but then goes off, this does not necessarily indicate a malfunction in the system. However, if this continues to occur, have the vehicle inspected by your Toyota dealer.

# 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 Toyota dealer.

Warning light	Warning light/Details
	<ul> <li>Brake system warning light (warning buzzer)*</li> <li>Low brake fluid</li> <li>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.</li> </ul>

*: Parking brake engaged warning buzzer:

The buzzer sounds to indicate that the parking brake is still engaged (with the vehicle having reached a speed of 5 km/h [3 mph]).

#### Stop the vehicle immediately.

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 Toyota dealer.

Warning light	Warning light/Details
ĒŦ	Charging system warning light Indicates a malfunction in the vehicle's charging system.
975	Low engine oil pressure warning light Indicates that the engine oil pressure is too low.

# Have the vehicle inspected immediately.

Failure to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Toyota dealer immediately.

Warning light Warning light/Details			
	Kā R	<ul> <li>Malfunction indicator lamp</li> <li>Indicates a malfunction in:</li> <li>The electronic engine control system;</li> <li>The electronic throttle control system;</li> <li>The electronic continuously variable transmission or automatic transmission control system; or</li> <li>The emission control system.</li> </ul> SRS warning light <ul> <li>Indicates a malfunction in:</li> <li>The SRS airbag system; or</li> <li>The seat belt pretensioner system.</li> </ul>	
•	(ABB)	ABS warning light Indicates a malfunction in: • The ABS; or • The brake assist system.	

#### Follow the correction procedures.

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

	Warning light Warning light/Details		Correction procedure
	Open door warning light Indicates that a door is not fully closed.Image: State of the state o		Check that all the doors are closed.
			Refuel the vehicle.
			Fasten the seat belt.
(On the center Warns the fr		Front passenger's seat belt reminder light (warning buzzer)* Warns the front passen- ger to fasten his/her seat belt.	Fasten the seat belt.
	3RD SEAT	"3RD SEAT" warning light (vehicles with power third seats) Indicates that the third seat operation is not yet complete.	Complete the third seat operation.

*: Driver's and front passenger's seat belt reminders:

The driver's and front passenger's seat belt reminder buzzer sounds to alert the driver and front passenger that their seat belt is not fastened. The buzzer sounds for 30 seconds after the vehicle has reached a speed of at least 20 km/h (12 mph). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 90 more seconds.

# Follow the correction procedures.

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

Interior buzzer	Exterior buzzer	Warning light	Warning light/Details	Correction procedure
Continuous	Continuous	-j-0	Smart entry & start system indicator light The electronic key was car- ried outside the vehicle and the driver's door was opened and closed while any shift position other than P was selected without turning off the "ENGINE START STOP" switch.	<ul> <li>Change the shift position to P.</li> <li>Bring the electronic key back into the vehicle.</li> </ul>
Once	3 times	- <b>!</b> -0	Smart entry & start system indicator light The electronic key was car- ned outside the vehicle and the driver's door was opened and closed while the shift position P was selected with- out turning off the "ENGINE START STOP" switch.	Turn the "ENGINE START STOP" switch off or bring the electronic key back into the vehicle.
Once	3 times	<b>~!</b> -0	Smart entry & start system indicator light Indicates that a door other than the driver's door has been opened and closed with the "ENGINE START STOP" switch in any mode other than off and the electronic key out- side of the detection area.	Turn the "ENGINE START STOP" switch off or bring the electronic key back into the vehicle.

Interior buzzer	Exterior buzzer	Warning light	Warning light/Details	Correction procedure
Once		(Comes on for 8 seconds.)	Smart entry & start system indicator light Indicates that the electronic key is not present when attempting to start the engine.	Confirm the location of the elec- tronic key.

#### 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.

#### Electric power steering system warning light (warning buzzer)

When the battery charge becomes insufficient or the voltage temporarily drops, the electric power steering system warning light may come on and the warning buzzer may sound.

#### If the malfunction indicator lamp comes on while driving

For some models, the malfunction indicator lamp will come on if the fuel tank becomes completely empty. If the fuel tank is empty, refuel the vehicle immediately. The malfunction indicator lamp will go off after several trips.

If the malfunction indicator lamp does not go off, contact your Toyota dealer as soon as possible.

# **CAUTION**

#### When the electric power steering system warning light comes on

The steering wheel may become extremely heavy.

If the steering wheel becomes heavier than usual when operating, hold firmly and operate using more force than usual.

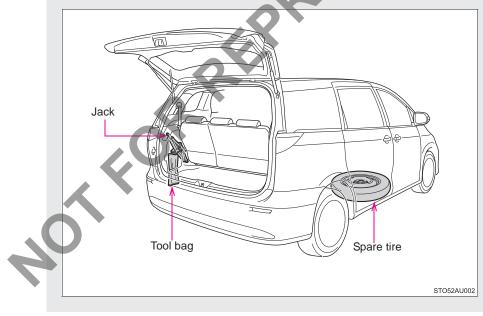
# 5-2. Steps to take in an emergency **If you have a flat tire**

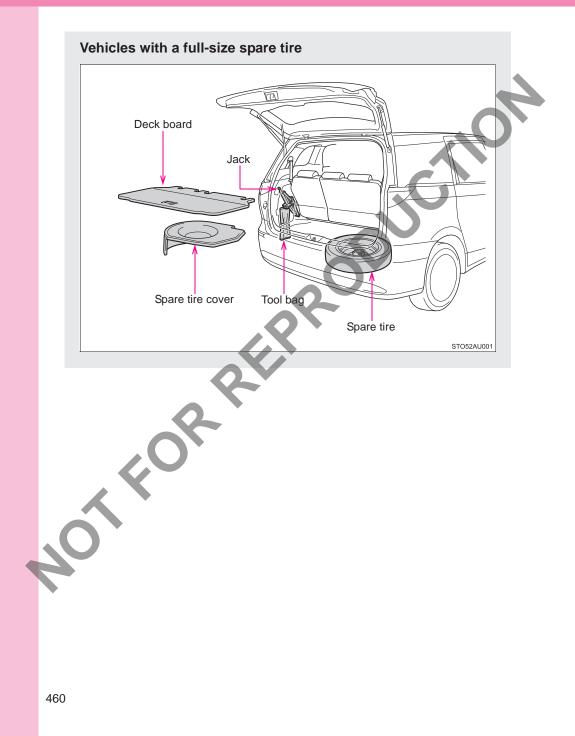
Your vehicle is equipped with a spare tire. The flat tire can be replaced with the spare tire.

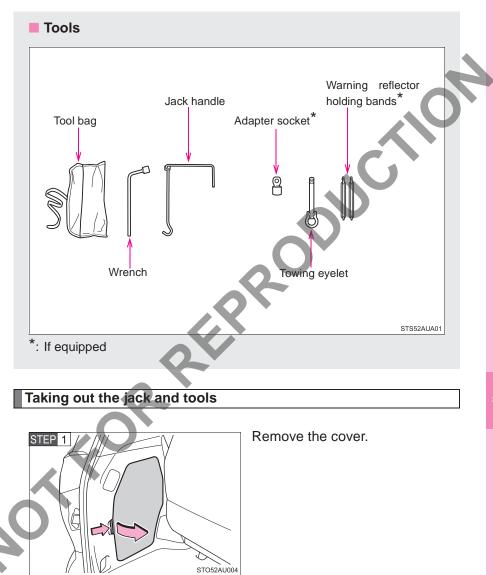
- Before jacking up the vehicle
  - Stop the vehicle on a hard, flat surface.
  - Set the parking brake.
  - Shift the shift lever to P.
  - Stop the engine.
  - Turn on the emergency flashers.
  - Turn off the "PWR DOOR OFF" switch (if equipped).  $(\rightarrow P. 51)$

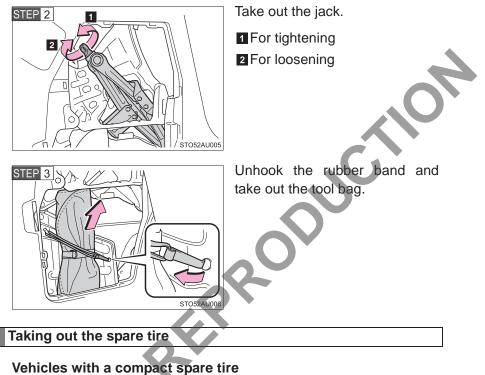
Location of the spare tire, jack and tools

Vehicles with a compact spare tire





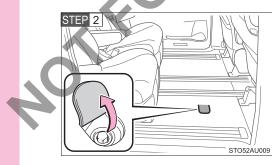




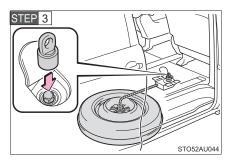
STEP 1 Slide the driver's seat to the frontmost lock position and the

right side second seat to the rearmost lock position.

This way, they will not interfere with the jack handle.



Pull back the flap to find the spare tire clamp bolt.



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STEP 4

STEP 5

Attach the adapter socket to the spare tire clamp bolt.

Connect the jack handle and the adapter socket. Turn the jack handle.

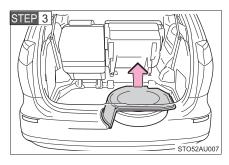
# For lowering For raising

The compact spare tire will be lowered completely to the ground.

Take the compact spare tire and spare tire cover out from underneath the vehicle and remove the holding bracket.

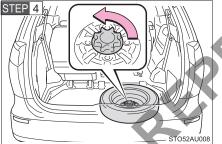
#### Vehicles with a full-size spare tire

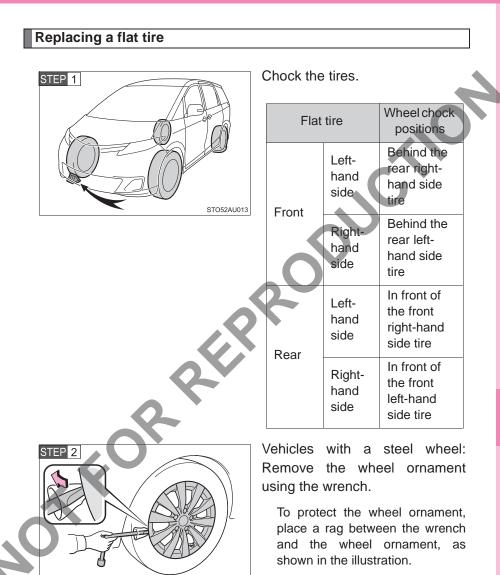
STEP 1 Remove the deck board. ( $\rightarrow$ P. 363) STEP 2 Tumbling the right side third seat. ( $\rightarrow$ P. 96)



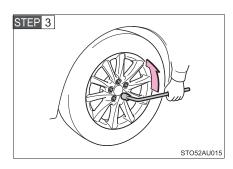
Remove the spare tire cover.

Loosen the center fastener that secures the spare tire.





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STEP 4

STEP 5

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STO52AU018

Slightly loosen the wheel nuts (one turn).

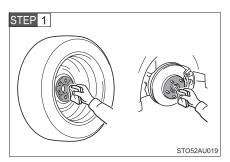
Turn the tire jack portion "A" by hand until the notch of the jack is in contact with the jack point.

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

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.

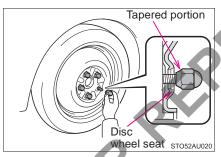
# Installing the tire



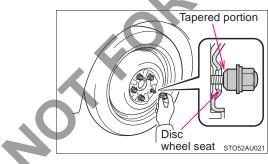
Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, causing the tire to come off.

STEP 2 Install the tire and loosely tighten each wheel nut by hand by approximately the same amount.



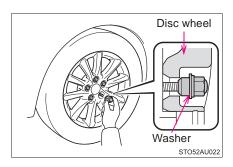
When replacing a steel wheel with a steel wheel (including a compact spare tire), tighten the wheel nuts until the tapered portion comes into loose contact with the disc wheel seat.



When replacing an aluminum wheel with a compact spare tire, tighten the wheel nuts until the tapered portion comes into loose contact with the disc wheel seat. STEP 3

STEP 4

STEP 5



When replacing an aluminum wheel with an aluminum wheel, turn the wheel nuts until the washers come into contact with the disc wheel.

Lower the vehicle.

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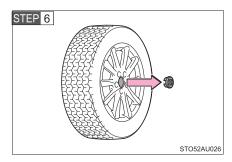
Firmly tighten each wheel nut two or three times in the order shown in the illustration.

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

Do not use other tools or any additional leverage other than your hands, such as a hammer, pipe or your foot.

Vehicles with steel wheels (except compact spare tire): Reinstall the wheel ornament.

Align the cutout of the wheel ornament with the valve stem as shown.

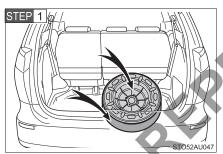


Vehicles with aluminum wheels: Remove the center wheel ornament by pushing from the reverse side.

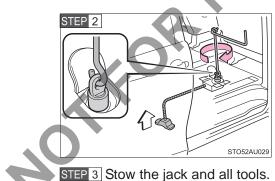
Be careful not to lose the wheel ornament.

# Stowing the flat tire, jack and tools

### Vehicles with a compact spare tire



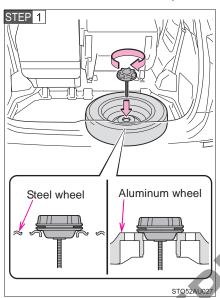
Stow the flat tire and spare tire cover, temporarily, in the luggage compartment.



Secure the holding bracket by tightening the jack handle.

As the tire carrier is designed for the compact spare tire, the standard tire cannot be stored there.

#### Vehicles with a full-size spare tire



Stow the flat tire with the inner side of the wheel facing up. Then secure the tire by tightening the center fastener.

Match the tapered portion to the center hole of the wheel.

STEP 2 Install the spare tire cover,

STEP 3 Return the right side third seat to its original position.

STEP 4 Install the deck board.

STEP 5 Stow the jack and all tools.

#### 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, and only in an emergency.

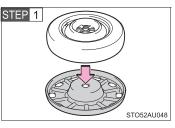
Make sure to check the tire inflation pressure of the compact spare tire.  $(\rightarrow P. 507)$ 

#### If you have a flat front tire on a road covered with snow or ice

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

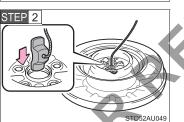
- STEP 1 Replace a rear tire with the compact spare tire.
- STEP 2 Replace the flat front tire with the tire removed from the rear of the vehicle.
- STEP 3 Fit tire chains to the front tires.

#### Stowing the compact spare tire



Set the spare tire cover on the ground and place the compact spare tire, with the outer side of the wheel facing up, on top of the spare tire cover.

Attach the holding bracket to both the compact spare tire and spare tire cover.



STS52AU005

3

Secure the compact spare tire by tightening the jack handle.

Tightening torque: 37 N·m (3.7 kgf·m, 27 ft·lbf)

The compact spare tire goes straight up without catching on any other part.

# **CAUTION** When using the compact spare tire Remember that the compact spare tire provided is specifically designed. for use with your vehicle. Do not use your compact spare tire on another vehicle. Do not use more than one compact spare tire simultaneously. Replace the compact spare tire with a standard tire as soon as possible. Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking. When storing the full-size spare tire Be careful not to catch fingers or other body parts between the full-size spare tire and the body of the vehicle. When the compact spare tire is attached The vehicle speed may not be correctly detected, and the following systems may not operate correctly: ABS Brake assist VSC TRC Cruise control Speed limit when using the compact spare tire Do not drive at speeds in excess of 80 km/h (50 mph) when a compact spare tire is installed on the vehicle. The compact spare tire is not designed for driving at high speeds. Failure to observe this precaution may lead to an accident causing death or serious injury.

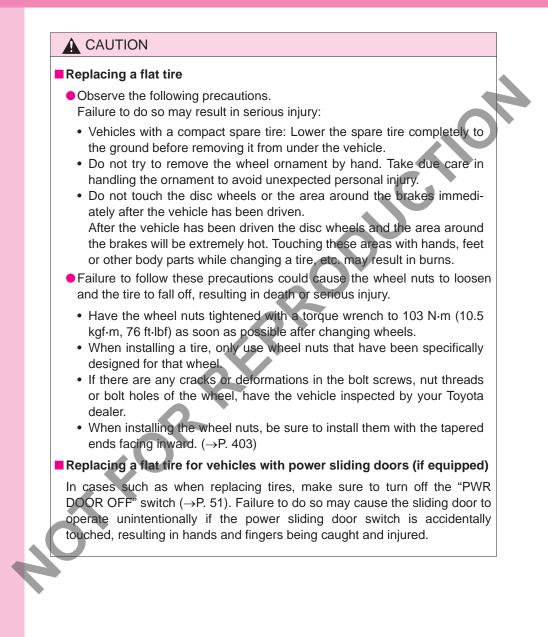
# **CAUTION**

#### Using the tire jack

Improper use of the tire jack may cause the vehicle to suddenly fall off the jack, leading to death or serious injury.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire.
   Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Always check that the tire jack is securely set to the jack point.
- Do not put any part of your body under the vehicle while it is supported by the jack.
- Do not start or run the engine while your vehicle is supported by the jack.
- Do not raise the vehicle while someone is inside.
- 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.
- Vehicles with a compact spare tire: Do not remove the compact spare tire when jacking up the vehicle. The tire carrier and the compact spare tire may interfere with the jack and cause a serious accident.

Take particular care when lowering the vehicle to ensure that no one working on or near the vehicle may be injured.



# **CAUTION**

After returning the third seat to the original position (vehicles with a full-size spare tire)

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

 Make sure the third seat is securely locked by pushing it forward and rearward.

 Check that the seat belts and the buckles are not twisted or caught in the seats.

# 🔥 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 loosening or tightening the spare tire clamp bolt (vehicles with a compact spare tire)

Do not use an impact wrench. Use the adapter socket and jack handle.

#### After taking out or stowing the compact spare tire

Make sure to secure the tire carrier by tightening the clamp bolt to prevent the holding bracket from hitting the under body of the vehicle during driving.

### 

#### Using the tire carrier (vehicles with a compact spare tire)

- As the tire carrier is designed for use with the compact spare tire, it cannot be used with standard tires.
- If the compact spare tire is flat, do not use the tire carrier, as the compact spare tire may not be held securely.

If the engine will not start even though correct starting procedures are being followed ( $\rightarrow$ P. 176), consider each of the following points: The engine will not start even though the starter motor operates normally. One of the following may be the cause of the problem: • There may not be sufficient fuel in the vehicle's tank Refuel the vehicle. • The engine may be flooded. Try to restart the engine again following correct starting procedures. ( $\rightarrow$ P. 176) • There may be a malfunction in the engine immobilizer system. (→P. 128) 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 battery may be discharged. ( $\rightarrow$ P. 483) • The battery terminal connections may be loose or corroded. The starter motor does not turn over. The engine starting system may be malfunctioning due to an electrical problem such as an open circuit or a blown fuse. However, an interim measure is available to start the engine. (→P. 478)

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 battery terminals may be disconnected.

• The battery may be discharged. ( $\rightarrow$ P. 483)

There may be a malfunction in the steering lock system.

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

#### **Emergency start function**

When the engine does not start, the following steps can be used as an interim measure to start the engine if the "ENGINE START STOP" switch is functioning normally:

STEP 1 Set the parking brake.

STEP 2 Shift the shift lever to P.

STEP 3 Turn the "ENGINE START STOP" switch to ACCESSORY mode.

STEP 4 Press and hold the "ENGINE START STOP" switch for about 15 seconds while depressing the brake pedal firmly.

Even if the engine can be started using the above steps, the system may be malfunctioning. Have the vehicle inspected by your Toyota dealer.

# 5-2. Steps to take in an emergency If the shift lever cannot be shifted from P

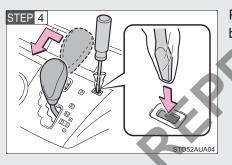
If the shift lever cannot be shifted with your foot on the brake pedal, there may be a problem with the shift lock system (a system to prevent accidental operation of the shift lever). Have the vehicle inspected by your Toyota dealer immediately.

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 ACCESSORY mode.

STEP 3 Depress the brake pedal.



Press the shift lock override button.

The shift lever can be shifted while the button is pressed.

To prevent damage to the button, cover the tip of the screwdriver with a rag.

# 5-2. Steps to take in an emergency **If you lose your keys**

FOR

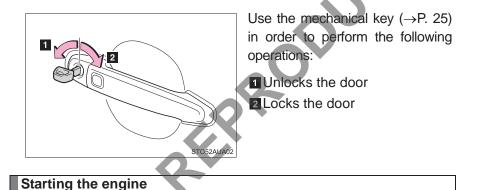
New genuine Toyota keys can be made by your Toyota dealer using the other key and the key number stamped on your key number plate.

REPRODU

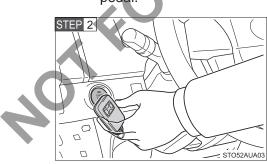
# 5-2. Steps to take in an emergency If the electronic key does not operate properly

If communication between the electronic key and vehicle is interrupted ( $\rightarrow$ P. 44) or the electronic key cannot be used because the battery is depleted, the smart entry & start system (if equipped) and wireless remote control cannot be used. In such cases, the doors can be opened and the engine can be started by following the procedure below.

### Unlocking and locking the doors



STEP 1 Ensure that the shift lever is in P and firmly depress the brake pedal.



Touch the Toyota emblem side of the electronic key to the "ENGINE START STOP" switch.

If any of the doors is opened or closed while the electronic key is being touched to the "ENGINE START STOP" switch, an alarm will sound to indicate that the start function cannot detect the key. STEP 3 Press the "ENGINE START STOP" switch within 5 seconds of the buzzer sounding, keeping the brake pedal depressed.

In the event that the "ENGINE START STOP" switch still cannot be operated, contact your Toyota 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 a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery is depleted.  $(\rightarrow P. 407)$ 

#### Changing "ENGINE START STOP" switch modes

Within 10 seconds of the buzzer sounding, release the brake pedal and press the "ENGINE START STOP" switch.

The engine does not start and modes will be changed each time the switch is pressed. ( $\rightarrow$ P. 177)

# If the doors cannot be locked or unlocked by the smart entry & start system

Lock and unlock the doors by the mechanical key or wireless remote control.

#### When the electronic key does not work properly

Make sure that the smart entry & start system or push-button start system has not been deactivated in the customization setting. If it is off, turn the function on (Customizable features  $\rightarrow$ P. 511)

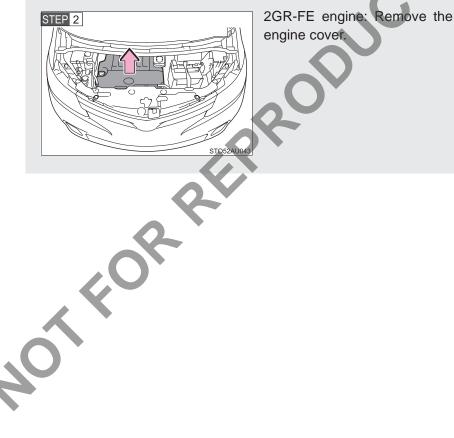
# 5-2. Steps to take in an emergency If the vehicle battery is discharged

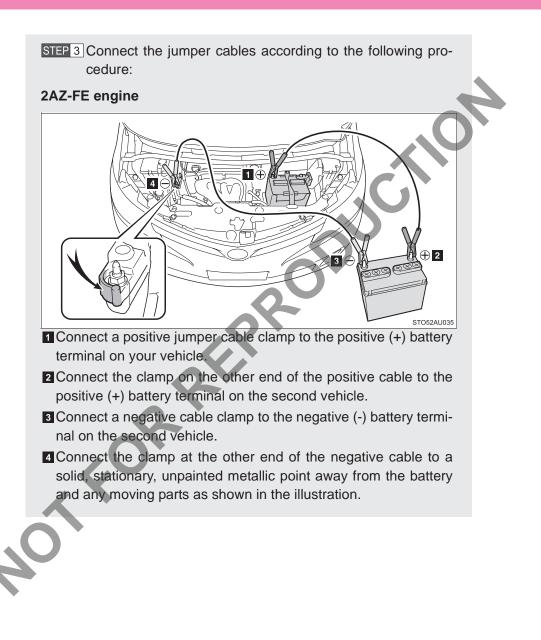
The following procedures may be used to start the engine if the vehicle's battery is discharged.

You can also call your Toyota dealer or a qualified repair shop.

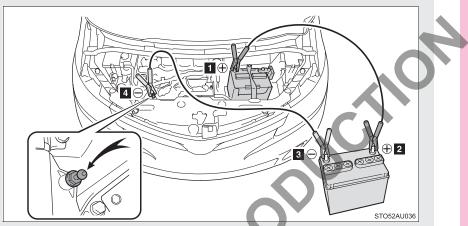
If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your vehicle by following the steps below.

STEP 1 Open the hood.  $(\rightarrow P. 377)$ 





#### 2GR-FE engine



- Connect a positive jumper cable clamp to the positive (+) battery terminal on your vehicle.
- Connect the clamp on the other end of the positive cable to the positive (+) battery terminal on the second vehicle.
- 3 Connect a negative cable clamp to the negative (-) battery terminal on the second vehicle.
- Connect the clamp at the other end of the negative cable to a solid, stationary, unpainted metallic point away from the battery and any moving parts as shown in the illustration.
- STEP 4. Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the battery of your vehicle.
  - STOP" switch turned off.

- STEP 6 Maintain the engine speed of the second vehicle and turn the "ENGINE START STOP" switch to IGNITION ON mode, then start the vehicle's engine.
- STEP 7 Once the vehicle's engine has started, remove the jumper cables in the exact reverse order from which they were connected.

Once the engine starts, have the vehicle inspected at your Toyota dealer as soon as possible.

#### Starting the engine when the battery is discharged

The engine cannot be started by push-starting.

#### To prevent battery discharge

- Turn off the headlights and the audio system while the engine is off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic.

#### When the battery is removed or discharged

- Vehicles with power sliding doors: The power sliding door must be initialized. ( $\rightarrow$ P. 55)
- The power windows must be initialized. ( $\rightarrow$ P. 118)

#### Charging the battery

The electricity stored in the battery will discharge gradually even when the vehicle is not in use, due to natural discharge and the draining effects of certain electrical appliances. If the vehicle is left for a long time, the battery may discharge, and the engine may be unable to start. (The battery recharges automatically during driving.)

#### Precautions when the battery is discharged

- In some cases, it may not be possible to unlock the doors using the smart entry & start system (if equipped) when the battery is discharged. Use the wireless remote control or the mechanical key to lock or unlock the doors.
- The engine may not start on the first attempt after the battery has recharged but will start normally after the second attempt. This is not a malfunction.

• The "ENGINE START STOP" switch mode is memorized by the vehicle. When the battery is reconnected, the system will return to the mode it was in before the battery was discharged. Before disconnecting the battery, turn the "ENGINE START STOP" switch off.

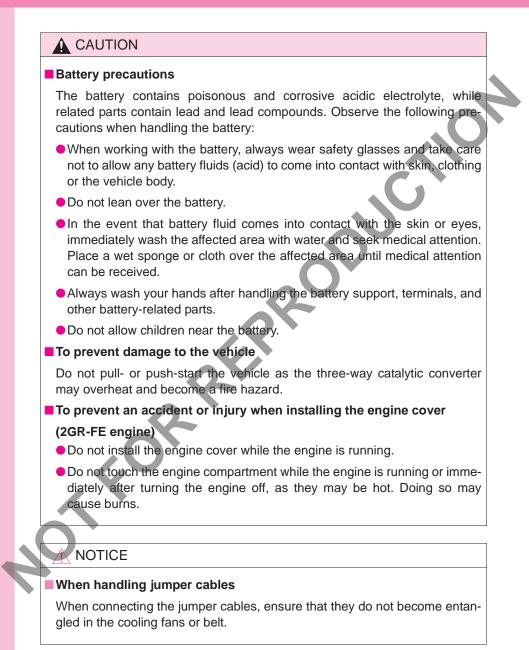
If you are unsure what mode the "ENGINE START STOP" switch was in before the battery discharged, be especially careful when reconnecting the battery.

## **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 each jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any other than the intended terminal.
- Do not allow the + and clamps of the jumper cables to come into contact with each other.
- Do not smoke, use matches, cigarette lighters or allow open flame near the battery.



# The following may indicate that your vehicle is overheating.

- The engine coolant temperature gauge (→P. 193) reaches the maximum, or a loss of engine power is experienced. (For example, the vehicle speed does not increase.)
- Steam comes out from under the hood.

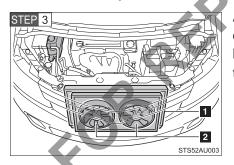
### **Correction procedures**

STEP 1 Stop the vehicle in a safe place and turn off the air conditioning system, and then stop the engine.

STEP 2 If you see steam:

Carefully lift the hood after the steam subsides.

If you do not see steam: Carefully lift the hood.



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

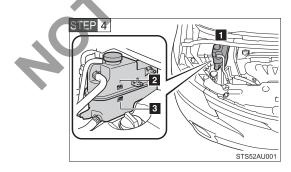
#### 1 Radiator

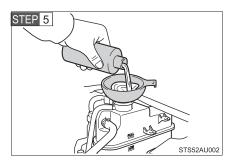
2 Cooling fans

If a large amount of coolant leaks, immediately contact your Toyota dealer.

The coolant level is satisfactory if it is between the "FULL" and "LOW" lines on the reservoir.

1 Reservoir 2 "FULL" 3 "LOW"





Add coolant if necessary.

Water can be used in an emergency if coolant is unavailable.

STEP 6 Start the engine and turn the air conditioning system on to check that the radiator cooling fan operates and to check for coolant leaks from the radiator or hoses.

> The fan operates when the air conditioning system is turned on immediately after a cold start. Confirm that the fan is operating by checking the fan sound and air flow. If it is difficult to check these, turn the air conditioning system on and off repeatedly.

(The fan may not operate in freezing temperatures.)

STEP 7 If the fan is not operating:

Stop the engine immediately and contact your Toyota dealer.

If the fan is operating:

Have the vehicle inspected at the nearest Toyota dealer.

# **CAUTION**

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

- If steam is seen coming from under the hood, do not open the hood until the steam has subsided. The engine compartment may be very hot, causing serious injuries such as burns.
- Keep hands and clothing (especially a tie, a scarf or a muffler) away from the fans and belts. Failure to do so may cause the hands or clothing to be caught, resulting in serious injury.
- Do not loosen the coolant reservoir cap while the engine and radiator are hot.

Serious injury, such as burns, may result from hot coolant and steam released under pressure.

# 

#### When adding engine coolant

Wait until the engine has cooled down before adding engine coolant. When adding coolant, do so slowly. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

#### To prevent damage to the cooling system

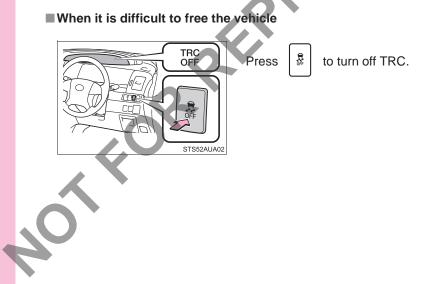
Observe the following precautions:

- Avoid contaminating the coolant with foreign matter (such as sand or dust etc.).
  - Do not use any coolant additive.

# 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 to P.
- STEP 2 Remove the mud, snow or sand from around the front wheels.
- STEP 3 Place wood, stones or some other material under the front wheels to help provide traction.
- STEP 4 Restart the engine.
- STEP 5 Shift the shift lever to the D or R and release the parking brake. Then, while exercising caution, depress the accelerator pedal.



# 

#### When attempting to free a stuck vehicle

If you choose to push the vehicle back and forth to free it, make sure the surrounding area is clear to avoid striking other vehicles, objects or people. 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 resulting in death or serious injury.

# 

#### To avoid damage to the transmission and other components

- Avoid spinning the wheels and depressing the accelerator pedal more than necessary.
- If the vehicle remains stuck even after these procedures are performed, the vehicle may require towing to be freed.

Only in an emergency, such as if it becomes impossible to stop the vehicle in the normal way, stop the vehicle using the following procedure:

STEP 1 Steadily step on the brake pedal with both feet and firmly depress it.

Do not pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.

STEP 2 Shift the shift lever to N.

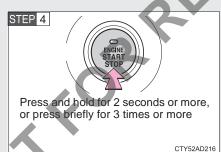
# If the shift lever is shifted to N

STEP 3 After slowing down, stop the vehicle in a safe place by the road.

STEP 4 Stop the engine.

# If the shift lever cannot be shifted to N

STEP 3 Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.



To stop the engine, press and hold the "ENGINE START STOP" switch for 2 consecutive seconds or more, or press it briefly for 3 times or more in succession.

STEP 5 Stop the vehicle in a safe place by the road.

# **CAUTION**

. 44

#### If the engine has to be turned off while driving

Power assist for the brakes and steering wheel will be lost, making the brake pedal harder to depress and the steering wheel heavier to turn. Decelerate as much as possible before turning off the engine.



# 6 Vehicle specifications 6-1. Specifications Maintenance data (fuel, oil level, etc.)...... 498 Fuel information ...... 510 -2. Customization Customizable features..... 511 Items to initialize ..... 513

# 6-1. Specifications Maintenance data (fuel, oil level, etc.)

# Dimensions

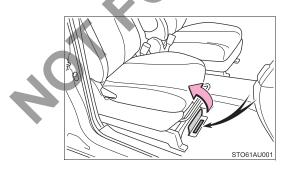
Overall length		4795 mm (188.8 in.)
Overall width		1800 mm (70.9 in.)
Overall height		1750 mm (68.9 in.)*1 1810 mm (71.3 in.)*2
Wheelbase		2950 mm (116.1 in.)
Tread	Front	1570 mm (61.8 in.)*3 1545 mm (60.8 in.)*4
	Rear	1575 mm (62.0 in.) ^{*3} 1550 mm (61.0 in.) ^{*4}
*1: Vehicles with	out roof rails	

- *2: Vehicles with roof rails
- *3: 205/65R16 tires
- *4: 215/55R17 tires

# Vehicle identification

# Vehicle identification number

The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.



This number is stamped under the right-hand front seat.

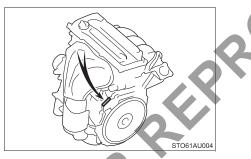


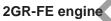
This number is also on the manufacturer's label on the left-hand side center pillar.

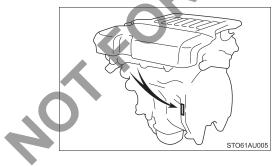
# Engine number

The engine number is stamped on the engine block as shown.

# 2AZ-FE engine







# Engine

Model	2AZ-FE and 2GR-FE
Туре	2AZ-FE engine 4-cylinder in line, 4-cycle, gasoline 2GR-FE engine 6-cylinder V type, 4-cycle, gasoline
Bore and stroke	2AZ-FE engine           88.5 × 96.0 mm (3.48 × 3.78 in.)           2GR-FE engine           94.0 × 83.0 mm (3.70 × 3.27 in.)
Displacement	2AZ-FE engine 2362 cm ³ (144.1 cu.in.) 2GR-FE engine 3456 cm ³ (210.9 cu.in.)
Valve clearance (engine cold)	2AZ-FE engine           Intake: 0.19 - 0.29 mm (0.007 - 0.011 in.)           Exhaust: 0.38 - 0.48 mm (0.015 - 0.019 in.)           2GR-FE engine           Automatic adjustment
Drive belt tension	Automatic adjustment
Fuel	
ruei	·
Fuel type	2AZ-FE engine Unleaded gasoline 2GR-FE engine Premium unleaded gasoline
Research octane number	2AZ-FE engine 91 or higher 2GR-FE engine 95 or higher
Fuel tank capacity (Reference)	65 L (17.2 gal., 14.3 Imp.gal.)

# Lubrication system

(fr

Oil capacity (Drain and refill — reference [*] )	
With filter	2AZ-FE engine
	4.3 L (4.5 qt., 3.8 Imp.qt.)
	2GR-FE engine
	6.1 L (6.4 qt., 5.4 Imp.qt.)
Without filter	2AZ-FE engine
	4.1 L (4.3 qt., 3.6 Imp.gt.)
	2GR-FE engine
	5.7 L (6.0 qt., 5.0 Imp.qt.)

*: The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick.

### Engine oil selection

"Toyota Genuine Motor Oil" is used in your Toyota vehicle. Use Toyota approved "Toyota Genuine Motor Oil" or equivalent to satisfy the following grade and viscosity.

Oil grade:

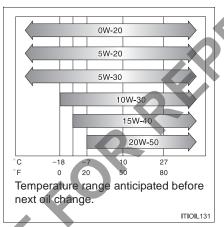
0W-20, 5W-20, 5W-30 and 10W-30:

API grade SL "Energy-Conserving", SM "Energy-Conserving" or SN "Resource-Conserving"; or ILSAC multigrade engine oil

15W-40 and 20W-50:

API grade SL, SM or SN multigrade engine oil

Recommended viscosity (SAE):



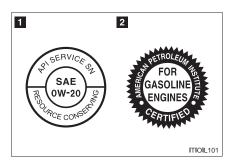
If you use SAE 10W-30 or a higher viscosity engine oil in extremely low temperatures, the engine may become difficult to start, so SAE 5W-30 or lower viscosity engine oil is recommended.

Oil viscosity (0W-20 is explained here as an example):

- The 0W in 0W-20 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 viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container labels:

Either or both API registered marks are added to some oil containers to help you select the oil you should use.



### 1 API Service Symbol

Top portion: "API SERVICE SN" means the oil quality designation by American Petroleum Institute (API).

Center portion: "SAE 0W-20" means the SAE viscosity grade.

Lower portion: "Resource-Conserving" means that the oil has fuel-saving and environmental protection capabilities.

# 2 ILSAC Certification Mark

The International Lubricant Specification Advisory Committee (ILSAC) Certification Mark is displayed on the front of the container.

## Cooling system

		Vehicles without towing package and a rear air conditioning system 6.2 L (6.6 qt., 5.5 Imp.qt.)
	Refer-	Vehicles without towing package and with a rear air conditioning system 8.1 L (8.6 qt., 7.1 Imp.qt.)
Capacity (Refer-		Vehicles with towing package and without a rear air conditioning system 6.6 L (7.0 qt., 5.8 Imp.qt.)
ence)		Vehicles with towing package and a rear air conditioning system 8.4 L (8.9 qt., 7.4 Imp.qt.)
	2GR-FE engine	Vehicles without a rear air conditioning sys- tem 9.0 L (9.5 qt., 7.9 Imp.qt.) Vehicles with a rear air conditioning system
		10.9 L (11.5 qt., 9.6 Imp.qt.)
Coolant type		<ul> <li>Use either of the following:</li> <li>"Toyota Super Long Life Coolant"</li> <li>A similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology</li> <li>Do not use plain water alone.</li> </ul>

## Ignition system

Spark plug		
Make	2AZ-FE engine DENSO SK16R11	
	NGK IFR5A11	
	2GR-FE engine	
	DENSO FK20HR11	
Gap	1.1 mm (0.043 in.)	

## Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust the spark plug gap.

Electrical system	
	×
Battery	
Specific gravity reading at 20°C (68°F):	1.250 — 1.290 Fully charged 1.160 — 1.200 Half charged 1.060 — 1.100 Discharged
Charging rates	
Quick charge	15 A max.
Slow charge	5 A max.

## Continuously variable transmission

Fluid capacity*	9.1 L (9.6 qt., 8.0 Imp.qt.)
Fluid type	Toyota Genuine CVT Fluid TC or FE

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

#### Continuously variable transmission fluid type

Using continuously variable transmission fluid other than "Toyota Genuine CVT Fluid TC or FE" may cause deterioration in shift quality, locking up of the transmission accompanied by vibration and, ultimately, damage to the vehicle's transmission.

Fluid capacity*	6.5 L (6.9 qt., 5.7 Imp.qt.)
Fluid type	Toyota Genuine ATF WS

*: The fluid capacity is a reference quantity. If replacement is necessary, contact your Toyota dealer.

## 

#### Automatic transmission fluid type

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

## Brakes

Pedal clearance ^{*1}	103 mm (4.1 in.) Min.	
Pedal free play	1 — 6 mm (0.04 — 0.24 in.)	
Parking brake pedal travel*2	4—6 clicks	
Fluid type	SAE J1703 or FMVSS No.116 DOT 3	

- *1: Minimum pedal clearance when depressed with a force of 490 N (50 kgf, 110 lbf) while the engine is running
- *2: Parking brake pedal travel when depressed with a force of 300 N (31 kgf, 67.5 lbf)

Free play		Less than 30 mm (1.2	2 in.)
Tires and whee			
Type A	13		
Tire size		205/65R16 95H T145/90D16 106M (0	Compact spare tire)*
	Vehicle speed	Front wheel kPa (kgf/cm ² or bar, psi)	Rear wheel kPa (kgf/cm ² or bar psi)
Tire inflation pressure (Recommended	For driving at 160 km/h (100 mph) or over	280 (2.8, 41)	280 (2.8, 41)
cold tire inflation pressure)	For driving under 160 km/h (100 mph)	230 (2.3, 33)	Vehicle load up to 6 occupants: 230 (2.3, 33) Vehicle load more than 6 occupants: 250 (2.5, 36)
Tire inflation pressure (compact spare) (Recommended cold tire inflation pressure)		420 kPa (4.2 kgf/cm ²	or bar, 60 psi)
Wheel size		16 × 6 1/2JJ, 16 × 4T (Compact sp	are tire)
Wheel nut torque		103 N·m (10.5 kgf·m,	76 ft-lbf)

## Туре В

Tire size		215/55R17 94V T145/90D16 106M (Compact spare tire)*		
Tire inflation pressure (Recommended cold tire inflation pressure)	Vehicle speed	Front wheel kPa (kgf/cm ² or bar, psi)	Rear wheel kPa (kgf/cm ² or bar, psi)	
	For driving at 160 km/h (100 mph) or over	280 (2.8, 41)	280 (2.8, 41)	
	For driving under 160 km/h (100 mph)	240 (2.4, 35)	Vehicle load up to 6 occupants: 240 (2.4, 35) Vehicle load more than 6 occupants: 250 (2.5, 36)	
Tire inflation pressure (compact spare) (Recommended cold tire inflation pressure)		420 kPa (4.2 kgf/cm ² or bar, 60 psi)		
Wheel size		$17 \times 7J$ , $16 \times 4T$ (Compact spa	are tire)	
Wheel nut torque		103 N·m (10.5 kgf·m, 76 ft·lbf)		



## Light bulbs

	Light Bulbs	W	Туре	
	Headlights High beam Low beam (discharge bulbs) Low beam (halogen bulbs)	65 35 55	A B C	
	Front fog lights	55	С	
Exterior	Front position lights	5	D	
	Front turn signal lights	21	E	
	Rear turn signal lights	21	E	
	Back-up lights	16	D	
	License plate lights	5	D	
	Interior light/front personal lights	5	D	
Interior	Rear personal lights	5	D	
	Door courtesy lights	5	D	
	Luggage compartment light	5	F	
	Vanity lights	8	D	

- A: HIR1 halogen bulbs
- C: H11 halogen bulbs
- E: Wedge base bulbs (amber)
- B: D4S discharge bulbs
- D: Wedge base bulbs (clear)
- F: Double end bulbs



## 2AZ-FE engine

You must only use unleaded gasoline in your vehicle. For optimum engine performance, select unleaded gasoline with a Research Octane Number of 91 or higher.

## 2GR-FE engine

You must only use unleaded gasoline in your vehicle. For optimum engine performance, select premium unleaded gasoline with a Research Octane Number of 95 or higher.

If this premium type cannot be obtained, you can temporarily use unleaded gasoline with a Research Octane Number as low as 91.

#### Fuel tank opening for unleaded gasoline

To help prevent incorrect fueling, your vehicle has a fuel tank opening that only accommodates the special nozzle on unleaded fuel pumps.

#### If your engine knocks

- Consult your Toyota 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.

## 

#### Notice on fuel quality

Do not use improper fuels. If improper fuels are used, the engine will be damaged.

Do not use leaded gasoline.

Leaded gasoline will cause the three-way catalytic converter to lose its effectiveness and the emission control system to function improperly.

Customizable Features

Your vehicle includes a variety of electronic features that can be personalized to suit your preferences. Programming these preferences requires specialized equipment and may be performed by your Toyota dealer.

Some function settings are changed simultaneously with other functions being customized. Contact your Toyota dealer for further details.

	Item	Function	Default setting	Customized setting
		Time elapsed before automatic door lock func- tion is activated if door is	30 seconds	60 seconds
	Smart entry & start system and Wireless remote control $(\rightarrow P. 27, 43)$	not opened after being unlocked		120 seconds
		Operation signal (Emergency flashers)	ON	OFF
		Operation signal (Buzzer)	ON	OFF
		Open door warning buzzer	ON	OFF
	Smart entry & start system $(\rightarrow P. 27)$	Smart entry & start system	ON	OFF
	Push-button start system $(\rightarrow P. 37)$	Push-button start system	ON	OFF
	Wireless remote control $(\rightarrow P. 43)$	Wireless remote control	ON	OFF

Vehicle specifications

Item	Function	Default setting	Customized setting	
	Time elapsed before the interior lights turn off	15 seconds	7.5 seconds 30 seconds	
Illumination (→P. 335)	Operation after the "ENGINE START STOP" switch is turned off	ON	OFF	
( // 000)	Operation when the doors are unlocked	ON	OFF	
	Indirect lighting (if equipped)	ON	OFF	
Automatic light	Light sensor sensitivity	3	1 — 5	
control system (→P. 199)	Light sensor control reac- tion delay time	Standard	Long	

KO

The following items must be initialized for normal system operation after such cases the battery being reconnected, or maintenance being performed on the vehicle.

Item	When to initialize	Reference
Power sliding doors	<ul><li> After reconnecting or changing the battery</li><li> After changing a fuse</li></ul>	P. 55
Power windows	<ul><li>After reconnecting or changing the battery</li><li>After changing a fuse</li></ul>	P. 118

REPR

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## Abbreviation list Abbreviation/Acronym list

ABBREVIATIONS	MEANING
A/C	Air Conditioning
ABS	Anti-lock Brake System
AFS	Adaptive Front-lighting System
AI-SHIFT	Artificial Intelligence Shift control
CRS	Child Restraint System
ELR	Emergency Locking Retractor
EPS	Electric Power Steering
INT	Intermittent
LED	Light Emitting Diode
ODO	Odometer
PSD	Power Sliding Door
PWR	Power
RSE	Rear Seat Entertainment System
SRS	Supplemental Restraint System
TRC	Traction Control
TWI	Treadwear Indicators
VIN	Vehicle Identification Number
VSC	Vehicle Stability Control
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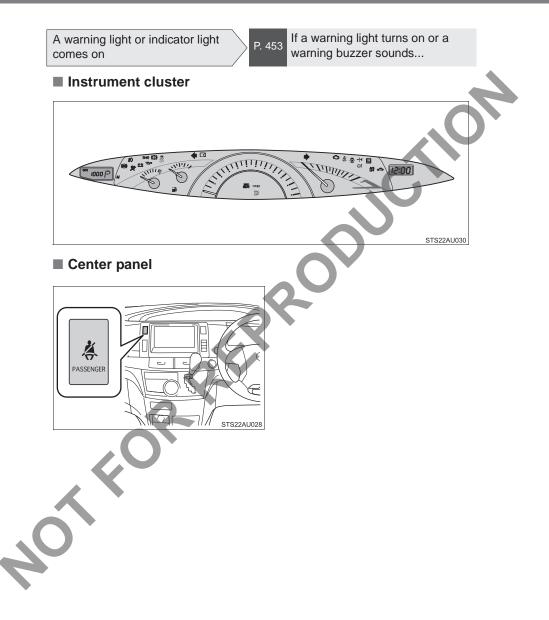
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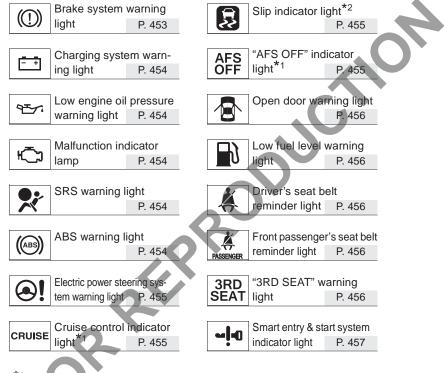
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## What to do if... What to do if...

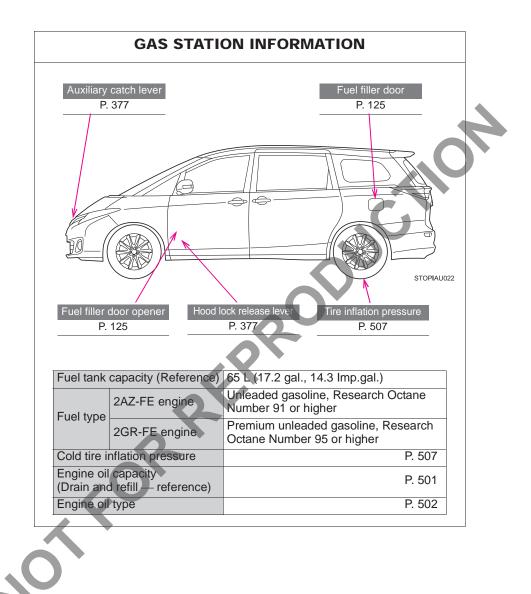




#### Warning lights



*1:The light flashes to indicate a malfunction.
 *2 The light turns on to indicate a malfunction.





ΑΤΟΥΟΤΑ

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