

TABLE OF CONTENTS

1	Before driving	Adjusting and operating features such as door locks, mirrors, and steering column.
2	When driving	Driving, stopping and safe-driving information.
3	Interior features	Air conditioning and audio systems, as well as other interior features for a comfortable driving experience.
4	Maintenance and care	Cleaning and protecting your vehicle, performing do-it-yourself maintenance, and maintenance information.
5	When trouble arises	What to do if the vehicle needs to be towed, gets a flat tire, or is involved in an accident.
6	Vehicle specifications	Detailed vehicle information.
7	For U.S. owners	Reporting safety defects for U.S. owners.
	Index	Alphabetical listing of information contained in this manual.

For your information

Main Owner's Manual

Please note that this manual applies to all models and explains 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 illustration 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. You should know that Toyota does not warrant these products and is not responsible for their performance, repair, or replacement, or for any damage they may cause to, or adverse effect they may have on, your Toyota vehicle.

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 a mobile two-way radio system

As the installation of a mobile two-way radio system in your vehicle could affect electronic systems such as the multiport fuel injection system/sequential multiport fuel injection system, cruise control system, anti-lock brake system, SRS airbag system and seat belt pretensioner system, be sure to check with your Toyota dealer for precautionary measures or special instructions regarding installation.

Scraping 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.

Perchlorate Material

Special handling may apply,

See www.dtsc.ca.gov/hazardouswaste/perchlorate.

Your vehicle has components that may contain perchlorate. These components may include airbag, seat belt pretensioners, and wireless remote control batteries.

⚠ CAUTION

n 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 will hurt or kill you, your occupants or others.

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.

n 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 cigarette lighter, 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 anything which may cause injury to people if the warning is ignored. You are informed about what you must or must not do in order to reduce the risk of injury to yourself and others.

⚠ NOTICE

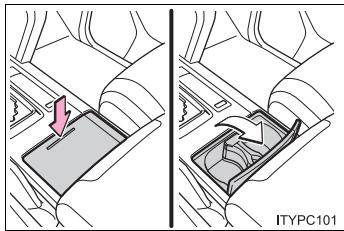
This is a warning against anything which may cause damage to the vehicle or its equipment if the warning is ignored. You are informed about what you must or must not do in order to avoid or reduce the risk of damage to your Toyota and its equipment.

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”.



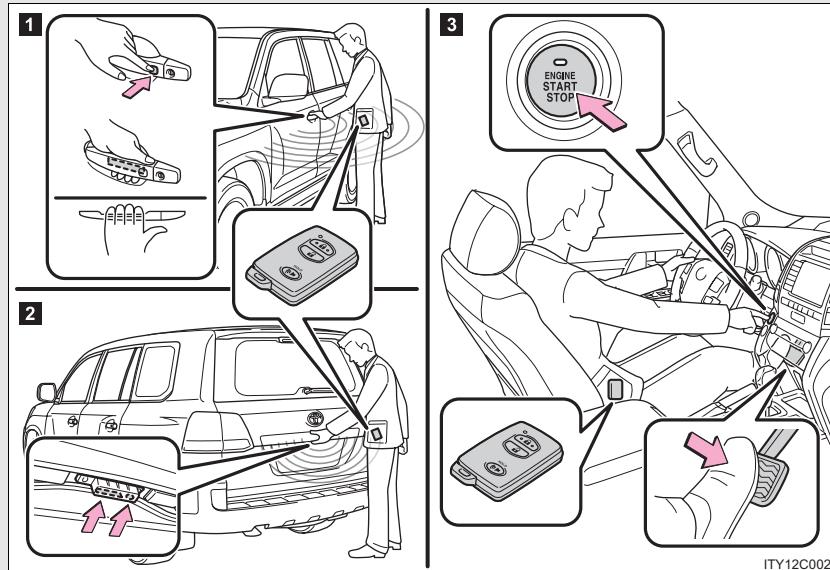
Arrows indicating operations

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

1-2. Opening, closing and locking the doors

Smart key system

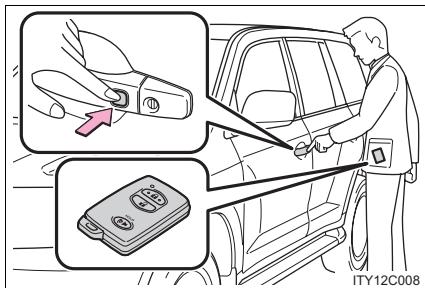
The following operations can be performed simply by carrying the electronic key on your person, for example in your pocket.
(The driver should always carry the electronic key.)



- 1 Locks and unlocks the doors (→P. 27)
- 2 Locks and unlocks the doors (→P. 27)
- 3 Starts and stops the engine (→P. 151)

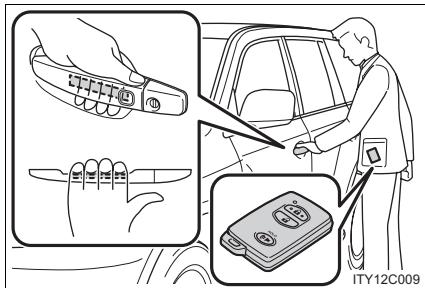
Locking and unlocking the doors

► Side door handle



Press the lock button to lock the doors.

Pressing and holding the button closes the windows and moon roof.

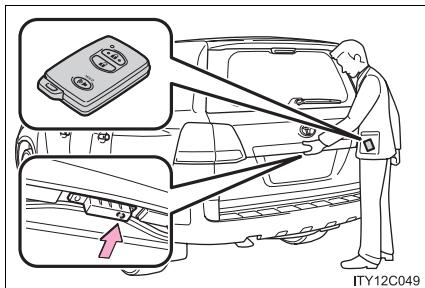


Grip the handle to unlock the doors.

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

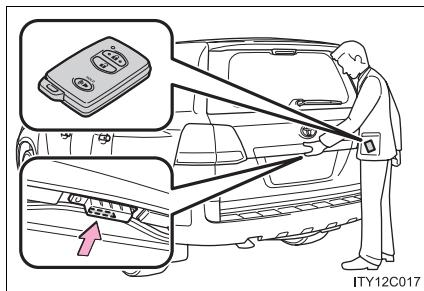
The doors cannot be unlocked for 3 seconds after the doors are locked.

► Back door



Press the lock button to lock the doors.

1-2. Opening, closing and locking the doors



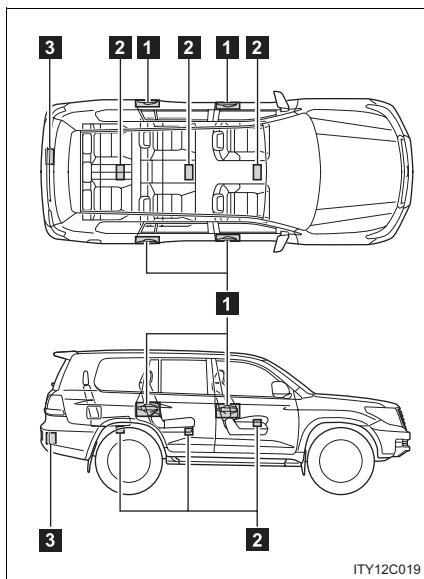
Press the unlock button to unlock the doors.

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

Lock the back door again when you leave the vehicle. The back door will not lock automatically after it has been opened and then closed.

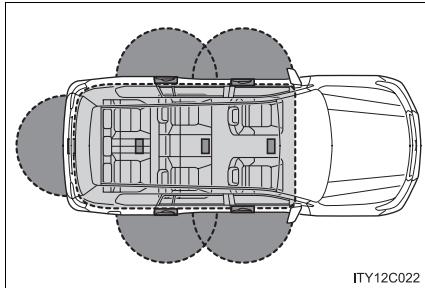
Antenna location and effective range

n Antenna location



- 1** Antennas outside cabin
- 2** Antennas inside cabin
- 3** Antenna outside luggage compartment

n 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 2.3 ft. (0.7 m) of an outside door handle.

When starting the engine or changing “ENGINE START STOP” switch modes

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

n Operation signals

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

n Door lock buzzer

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

n Conditions affecting operation

The smart key system uses weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart key system and wireless remote control from operating properly. (Way of coping →P. 494)

- 1 When the electronic key battery is depleted
- 1 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
- 1 When carrying a portable radio, cellular phone, cordless phone or other wireless communication devices
- 1 When the electronic key has come into contact with, or is covered by a metallic object
- 1 When multiple electronic keys are in the vicinity
- 1 When carrying or using the electronic key together with the following devices that emit radio waves
 - Another vehicle's electronic key
 - A wireless key that emits radio waves
 - Personal computer
- 1 If window tint with a metallic content or metallic objects are attached to the rear window

n Switching the door unlock function

If it is possible to set which doors the entry function unlocks.

STEP 1 Turn the “ENGINE START STOP” switch OFF.

STEP 2 When the indicator on the key surface is turned off, press and hold  or  for approximately 5 seconds while pressing  on the key.

The setting changes each time an operation is performed, as shown below.
(When changing the setting continuously, release the buttons, wait for at least 5 seconds, and repeat **STEP 2**.)

Multi-information display	Unlocking function	Beep
	Hold the driver's door handle to unlock only the driver's door.	Exterior: Beeps three times Interior: Pings once
	Hold either door handle to unlock all doors.	Exterior: Beeps twice Interior: Pings once

STEP 3 For vehicles equipped with an alarm, unlock the doors using the electronic key and open one of the doors.

If a door is not opened within 60 seconds after  is pressed, the doors will be locked again and the alarm will automatically be set.

In case that the alarm is triggered, immediately stop the alarm.
(→P. 97)

1-2. Opening, closing and locking the doors

n Battery-saving function

In the following circumstances, the entry function is disabled in order to prevent the vehicle and electronic key batteries from discharging.

- 1 When the entry function has not been used for 2 weeks or more
- 1 When the electronic key has been left within approximately 3 ft. (1 m) of the vehicle for 10 minutes or more

The system will resume operation when...

- 1 The vehicle is locked using the door handle lock switch.
- 1 The vehicle is locked/unlocked using the wireless remote control function (→P. 40) or the mechanical key. (→P. 494)

n Electronic key battery depletion

- 1 The standard battery life is 1 to 2 years. (The battery becomes depleted even if the electronic key is not used.) If the smart key 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. 423)
- 1 To avoid serious deterioration, do not leave the electronic key within 3 ft. (1 m) of the following electrical appliances that produce a magnetic field.
 - TVs
 - Personal computers
 - Recharging cellular phones or cordless phones
 - Table lamps

n 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 may not function.)

n **Note for the smart key system**

- 1 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 glove box when the engine is started or “ENGINE START STOP” switch modes are changed.
- 1 As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone.
- 1 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.
- 1 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. (The doors will automatically be locked after approximately 60 seconds if the doors are not opened and closed.)
- 1 Gripping the door handle when wearing a glove may not unlock the door.
- 1 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 smart key system. (Use the wireless remote control to unlock the doors.)
- 1 A sudden approach to the effective range or door handle operation 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.

n **When the vehicle is not driven for extended periods**

To prevent theft of the vehicle, do not leave the electronic key within 6 ft. (2 m) of the vehicle.

n **Security feature**

If a door is not opened within approximately 60 seconds after the vehicle is unlocked, the security feature automatically locks the vehicle again.

1-2. Opening, closing and locking the doors

n Alarms and warning indicators

A combination of exterior and interior alarms as well as warnings displayed on the multi-information display are used to prevent theft of the vehicle and unforeseeable accidents resulting from erroneous operation. Perform the appropriate correction procedure described in the following table.

Alarm	Situation	Correction procedure
Exterior alarm sounds once for 2 seconds	An attempt was made to lock the doors using the entry function while the electronic key was still inside the passenger compartment	Retrieve the electronic key from the passenger compartment and lock the doors again
Exterior alarm sounds once for 60 seconds	An attempt was made to exit the vehicle and lock the doors without first turning the "ENGINE START STOP" switch OFF	Turn the "ENGINE START STOP" switch OFF and lock the doors again
Exterior alarm sounds once for 10 seconds	An attempt was made to lock the vehicle while a door is open	Close all of the doors and lock the doors again
Interior alarm pings continuously* ¹	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
	The "ENGINE START STOP" switch was turned OFF while the driver's door was open	Close the driver's door

Alarm	Situation	Correction procedure
Interior alarm sounds continuously* ¹	When the “ENGINE START STOP” switch is in IGNITION ON or ACCESSORY mode, an attempt was made to open the door and exit the vehicle, and the shift lever was not in “P”	Shift the shift lever to “P” and turn the “ENGINE START STOP” switch OFF
Interior and exterior alarms sound continuously* ¹	When the “ENGINE START STOP” switch is in IGNITION ON or ACCESSORY mode, the driver’s door was closed after the key was carried outside the vehicle, and the shift lever not in “P”	Shift the shift lever to “P”, turn the “ENGINE START STOP” switch OFF and close the driver’s door again
Interior alarm pings once* ¹	The electronic key has a low battery	Replace the electronic key battery
	An attempt was made to start the engine without the electronic key being present, or the electronic key was not functioning normally	Start the engine with the electronic key present* ²

1-2. Opening, closing and locking the doors

Alarm	Situation	Correction procedure
Interior alarm pings once and exterior alarm sounds 3 times ^{*1}	The driver's door was closed after the key was carried outside the vehicle, and the "ENGINE START STOP" switch was not turned OFF	Turn the "ENGINE START STOP" switch OFF and close the driver's door again
	An occupant carried the electronic key outside the vehicle and closed the door while the "ENGINE START STOP" switch was not OFF	Bring the electronic key back into the vehicle

^{*1}: A message will be shown on the multi-information display in the instrument cluster.

^{*2}: If the engine does not start when the electronic key is inside the vehicle, the electronic key battery may be depleted or there may be difficulties receiving signal from the key. (→P. 494)

n If the smart key system does not operate properly

- 1 Locking and unlocking the doors: Use the mechanical key. (→P. 494)
- 1 Starting the engine (→P. 152)

n When the electronic key battery is fully depleted

→P. 423

n Customization that can be configured at Toyota dealer

Settings (e.g. smart key system) can be changed. (Customizable features →P. 533)

n **Certification for the smart key system**

FCC ID:NI4TMLF-5

NOTE:

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

FCC WARNING:

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

1-2. Opening, closing and locking the doors

TCB

**GRANT OF EQUIPMENT
AUTHORIZATION**

TCB

Certification

**Issued Under the Authority of the
Federal Communications Commission
By:**

**PHOENIX TESTLAB GmbH
Koenigswinkel 10
D-32825 Blomberg,
Germany**

Date of Grant: 10/05/2006

Application Dated: 10/05/2006

**Toyota Motor Corporation
1, Toyota-Cho
Toyota Aichi, 471-71
Japan**

Attention: Kazunori Sakai, General Manager

NOT TRANSFERABLE

**EQUIPMENT AUTHORIZATION is hereby issued to the named GRANTEE,
and is VALID ONLY for the equipment identified hereon for use under the
Commission's Rules and Regulations listed below.**

FCC IDENTIFIER: NI4TMLF-5

Name of Grantee: Toyota Motor Corporation

Equipment Class: Part 15 Low Power Transmitter Below 1705 kHz

Notes: Smart LF Oscillator

Grant Notes	FCC Rule Parts	Frequency Range (MHz)	Output Watts	Frequency Tolerance	Emission Designator
	15C	0.1342 - 0.1342			

 **CAUTION****n Caution regarding interference with electronic devices**

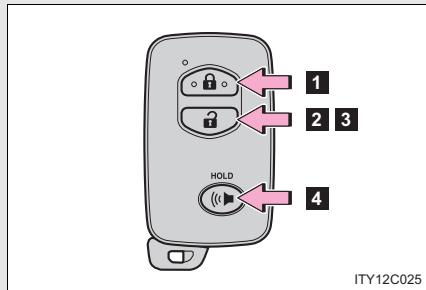
- 1 People with implanted pacemakers or cardiac defibrillators should keep away from the smart key system antennas. (→P. 28) The radio waves may affect the operation of such devices. If necessary, the smart entry function can be disabled. Ask your Toyota dealer for details, such as the frequency of radio waves and timing of emitting the radio waves. Then, consult your doctor to see if you should disable the smart entry function.
- 1 Users of any electrical medical device other than implanted pacemakers and implanted cardiac 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 for disabling the smart key 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.



1 Locks all doors

2 Unlocks all doors

Pressing the button unlocks the driver's door. Pressing the button again within 3 seconds unlocks the other doors.

3 Opens the windows and moon roof (press and hold)

4 Sounds alarm
(press and hold) (→P. 97)

n **Operation signals**

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

Windows and moon roof: A buzzer sounds when the windows and moon roof begin to open.

n **Door lock buzzer**

→P. 30

n **Security feature**

→P. 33

n **Alarm**

Using the wireless remote control to lock the door will set the alarm system. (→P. 97)

n **Electronic key battery depletion**

→P. 494

n **If the wireless remote control does not operate properly**

1 Locking and unlocking the doors: Use the mechanical key. (→P. 494)

1 Starting the engine (→P. 151)

n **When the electronic key battery is fully depleted**

→P. 423

n **Conditions affecting operation**

→P. 30

n **Customization that can be configured at Toyota dealer**

Settings (e.g. 2-step unlocking function) can be changed. (Customizable features →P. 533)

n Certification for wireless remote control

FCC ID:HYQ14AAB

FCC ID:HYQ13BZS

NOTE:

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

NOTICE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- 1 Reorient or relocate the receiving antenna.
- 1 Increase the separation between the equipment and receiver.
- 1 Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- 1 Consult the dealer or an experienced radio/TV technician for help.

FCC WARNING:

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

1-2. Opening, closing and locking the doors

Side doors

The vehicle can be locked and unlocked using the smart key system, wireless remote control or door lock switch.

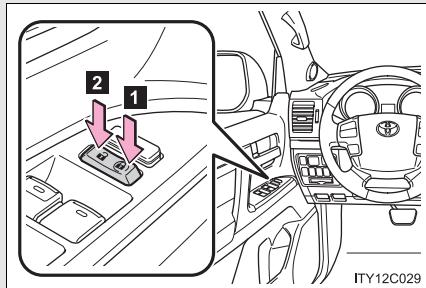
n Entry function

→P. 26

n Wireless remote control

→P. 40

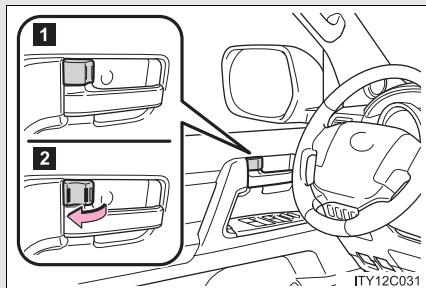
n Door lock switch



1 Locks all doors

2 Unlocks all doors

n Inside lock button



1 Locks the door

2 Unlocks the door

The front doors can be opened by pulling the inside handles even if the lock buttons are in the lock position.

Locking the driver's doors from the outside without a key

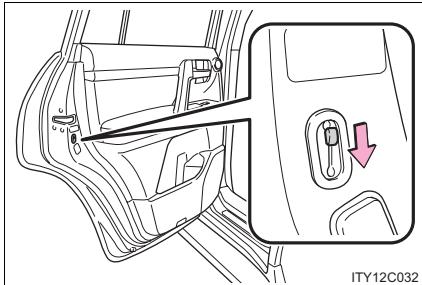
STEP 1 Move the inside lock button to the lock position.

STEP 2 Close the door.

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

Rear door child-protector lock



The door cannot be opened from inside the vehicle when the locks are set.

These locks can be set to prevent children from opening the rear doors. Press down rear door switches to lock the rear doors.

Automatic door locking and unlocking systems

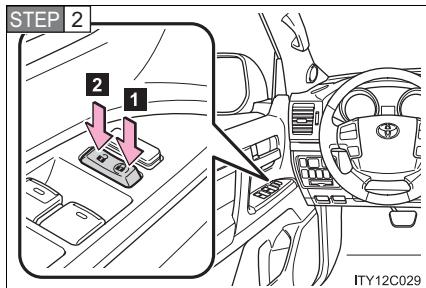
The following functions can be set or canceled:

Function	Operation
Shift position linked door locking function	Shifting the shift lever out of "P" locks all doors.
Shift position linked door unlocking function	Shifting the shift lever to "P" unlocks all doors.
Speed linked door locking function	All doors are locked when the vehicle speed is approximately 12 mph (20 km/h) or higher.
Driver's door linked door unlocking function	All doors are unlocked when the driver's door is opened within 10 seconds after turning the "ENGINE START STOP" switch OFF.

n Setting and canceling the functions

To switch between setting and canceling, follow the procedure below:

STEP 1 Close all the doors and switch the "ENGINE START STOP" switch IGNITION ON mode. (Perform step 2 within 20 seconds.)



Shift the shift lever to "P" or "N", press and hold the driver's door lock switch (1 or 2) for 5 seconds then release.

The shift lever and switch positions corresponding to the desired function to be set or canceled are shown as follows.

1-2. Opening, closing and locking the doors

Function	Shift lever position	Switch position
Shift position linked door locking function	“P”	1
Shift position linked door unlocking function		2
Speed linked door locking function	“N”	1
Driver's door linked door unlocking function		2

When the setting or canceling operation is complete, all doors are locked and then unlocked.

n Impact detection door lock release system

In the event that the vehicle is subject to a strong impact, all the doors are unlocked.

Depending on the force of the impact or the type of accident, however, the system may not operate.

n Using the mechanical key

The doors can also be locked and unlocked with the mechanical key.
(→P. 494)

n Customization that can be configured at Toyota dealer

Settings (e.g. unlocking function using a key) can be changed. (Customizable features →P. 533)

 CAUTION**n To prevent an accident**

Observe the following precautions while driving the vehicle.

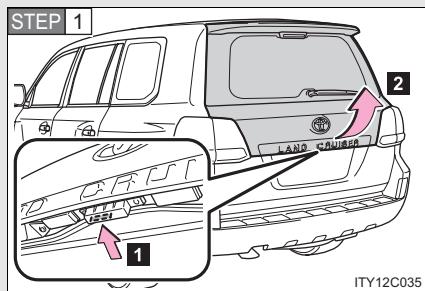
Failing to do so may result in a door opening and an occupant falling out, resulting in death or serious injury.

- ¶ Always use a seat belt.
- ¶ Always lock all doors.
- ¶ Ensure that all doors are properly closed.
- ¶ Do not pull the inside handle of the doors while driving.
- ¶ Set the rear door child-protector locks when children are seated in the rear seat.

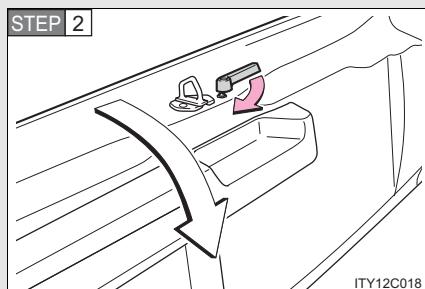
1-2. Opening, closing and locking the doors

Back door

The back door can be opened using the back door opener.



- 1 Unlock the back door
- 2 Raise the back door



Pull the handle

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

- n **Entry function**

→P. 26

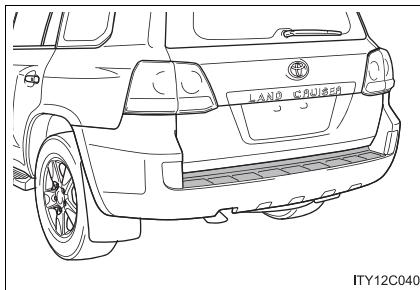
- n **Wireless remote control**

→P. 40

- n **Door lock switch**

→P. 43

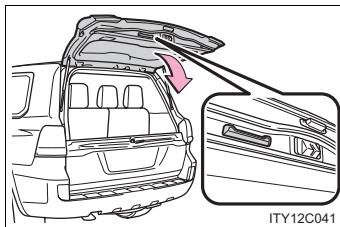
Rear step bumper



The rear step bumper is for rear end protection and easier step-up loading.

n When closing the back door

- 1 Make sure that the lower side of the back door is closed before closing the upper side of the back door.



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

n If the back door opener is inoperative

→P. 493

CAUTION

n While driving

Observe the following precautions.

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

I Keep the back door closed.

This not only keeps personal belongings from being thrown out, but also prevents exhaust gases from entering the vehicle.

I Do not get on the rear step bumper.

NOTICE

n To prevent damage to the back door components

I Do not apply force to the back door dampers and keep the dampers free of paint and other foreign matter.

I Make sure there is nothing in the doorway before closing.

I Do not allow more than one person to get on the rear step bumper at a time.

1-5. Refueling

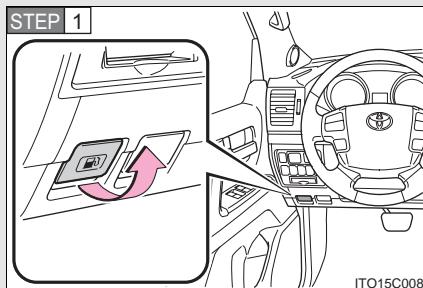
Opening the fuel tank cap

Perform the following steps to open the fuel tank cap.

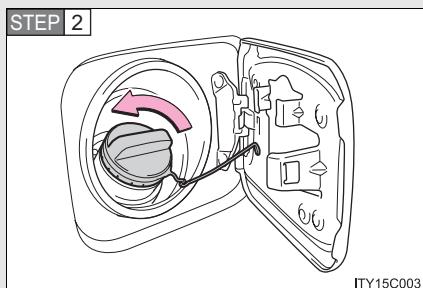
n Before refueling the vehicle

Turn the “ENGINE START STOP” switch OFF and ensure that all the doors and windows are closed.

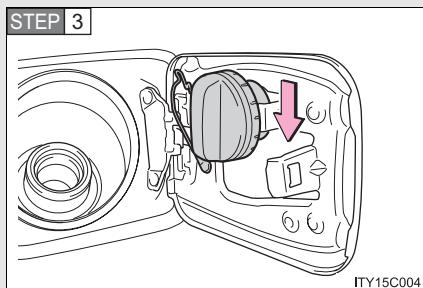
n Opening the fuel tank cap



Pull the lever.

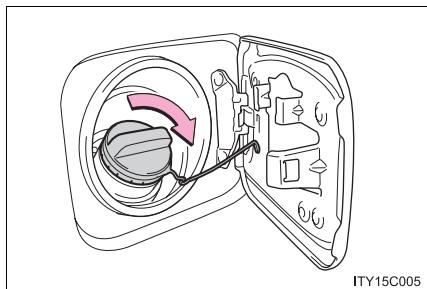


Turn the fuel tank cap slowly to open.



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

Closing the fuel tank cap



When replacing the fuel tank cap, turn it until a clicking sound is heard.

After releasing your hand, the cap will turn slightly to the opposite direction.

n Fuel types

Use unleaded gasoline. (87 Octane Rating [Research Octane Number 91] or higher)

n Fuel tank capacity

Approximately 24.6 gal. (93 L, 20.5 Imp. gal.)

⚠ CAUTION

■ Refueling the vehicle

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

- Touch the vehicle or some other metal surface to discharge any static electricity.
Sparks resulting from discharging static electricity may cause the fuel vapors to ignite.
- 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.
- Do not allow anyone that has not discharged static electricity from their bodies to come close to an open fuel tank.
- Do not inhale vaporized fuel.
Fuel contains substances that are harmful if inhaled.
- Do not smoke while refueling the vehicle.
Doing so may cause the fuel to ignite and cause a fire.
- Do not return to the vehicle or touch any person or object that is statically charged.
This may cause static electricity to build up, resulting in a possible ignition hazard.

■ When replacing the fuel tank cap

Do not use anything but a genuine Toyota fuel tank cap designed for your vehicle. Failure to do so may cause a fire or other incident which may result in death or serious injury.

 **NOTICE**

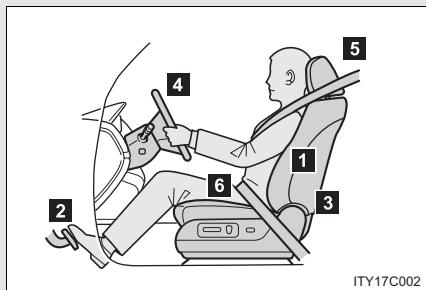
n Refueling

Do not spill fuel during refueling.

Failing to do so may damage the vehicle, such as causing the exhaust systems to operate abnormally or damaging fuel system components or the vehicle's painted surface.

Correct driving posture

Drive with a good posture as follows:



- 1 Sit upright and well back in the seat. (→P. 51)
- 2 Adjust the position of the seat forward or backward to ensure the pedals can be reached and easily depressed to the extent required. (→P. 51)
- 3 Adjust the seatback so that the controls are easily operable.
- 4 Adjust the tilt and telescopic positions of the steering wheel downward so the air-bag is facing your chest. (→P. 79)
- 5 Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P. 66)
- 6 Wear the seat belt correctly. (→P. 70)

⚠ CAUTION

■ While driving

- 1 Do not adjust the position of the driver's seat.
Doing so could cause the driver to lose control of the vehicle.
- 1 Do not place a cushion between the driver or passenger and the seatback. A cushion may prevent correct posture from being achieved, and reduce the effectiveness of the seat belt and head restraint, increasing the risk of death or serious injury to the driver or passenger.
- 1 Do not place anything under the front seats.
Objects placed under the front seats may become jammed in the seat tracks and stop the seat from locking in place. This may lead to an accident. The adjustment mechanism may also be damaged.
- 1 Do not recline the seat more than necessary when the vehicle is in motion, to reduce the risk of sliding under the lap belt.
If the seat is too reclined during an accident, 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.

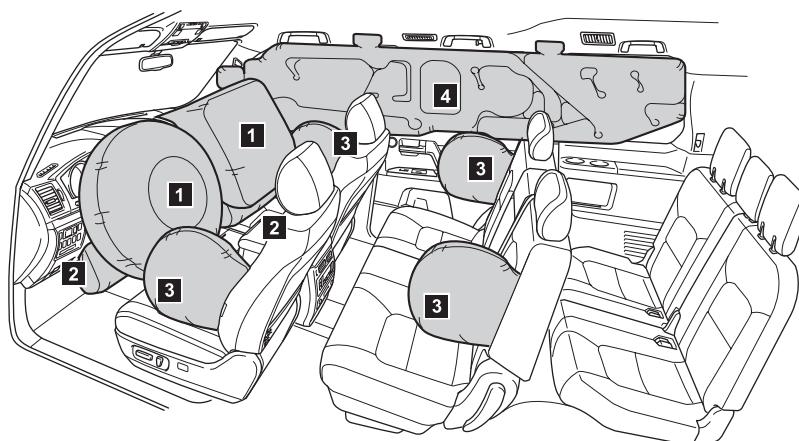
■ Adjusting the seat position

- 1 Take care when adjusting the seat position to ensure that other passengers are not injured by the moving seat.
- 1 Do not put your hands under the seat or near the moving parts to avoid injury.
Fingers or hands may become jammed in the seat mechanism.

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.



ITY17C004a

► Front airbags

1 Driver airbag/front passenger airbag

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

2 Knee airbags

Can help provide driver and front passenger protection.

► Side and curtain shield airbags

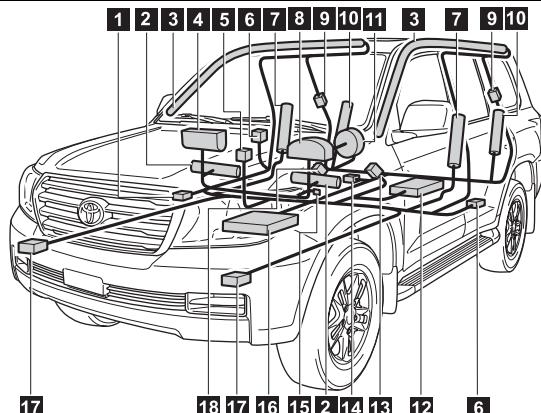
3 Side airbags

Can help protect the torso of the front and second outboard seat occupants.

4 Curtain shield airbags

Can help protect primarily the head of front seat occupants, second and third outboard seat occupants.

Airbag system components



ITY17C006a

1 Occupant detection sensor	10 Side airbag (second outboard seat)
2 Knee airbag	11 Driver airbag
3 Curtain shield airbag	12 Driver's seat position sensor
4 Front passenger airbag	13 Driver's seat belt buckle switch
5 Front passenger occupant classification indicator light	14 Floor sensor
6 Side and curtain shield airbag sensor	15 Roll sensing of curtain shield airbags off switch
7 Side airbag (front seat)	16 Airbag sensor assembly
8 SRS warning light and "RSCA OFF" indicator light	17 Front airbag sensor
9 Curtain shield airbag sensor	18 Front passenger's seat belt buckle switch

Your vehicle is equipped with ADVANCED AIRBAGS designed based on US motor vehicle safety standards (FMVSS208). The airbag system controls airbag deployment power for the driver and front passenger. The driver airbag system consists of the driver seat's position sensor etc. The front passenger's airbag system consists of the front passenger occupant classification sensor etc.

The main SRS airbag system components are shown above. The SRS airbag system is controlled by the airbag sensor assembly. The airbag sensor assembly consists of a safing sensor and an airbag sensor.

In certain types of severe frontal or side impacts, the SRS airbag system triggers the airbag inflators. A chemical reaction in the inflators quickly fills the airbags with non-toxic gas to help restrain the motion of the occupants.

n If the SRS airbags deploy (inflate)

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

n Operating conditions (front airbags)

- 1 The SRS front airbags will deploy if the severity of the frontal impact is above the designed threshold level, comparable to an approximate 15 mph (25 km/h) collision when the vehicle impacts straight into a fixed barrier that does not move or deform.

However, this threshold velocity will be considerably higher if the vehicle strikes an object, such as a parked vehicle or sign pole, which can move or deform on impact, or if the vehicle is involved in an underride collision (e.g. a collision in which the front of the vehicle “underrides”, or goes under, the bed of a truck, etc.).

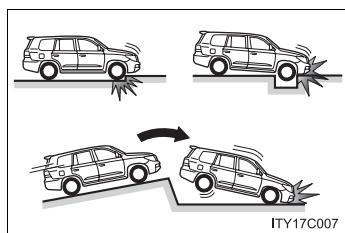
- 1 It is possible that in some collisions where the forward deceleration of the vehicle is very close to the designed threshold level, the SRS front airbags and the seat belt pretensioners may not activate together.
- 1 The SRS front passenger airbag will not activate if there is not passenger sitting in the front passenger seat. However, the front passenger airbag may deploy if luggage is put in the seat or the seat belt is fastened, even if the seat is unoccupied.

n Operating conditions (side airbags and curtain shield airbags)

- 1 The SRS side airbags and curtain shield airbags are designed to inflate when the passenger compartment is subjected to a severe impact from the side.
- 1 The SRS side airbag on the passenger seat will not activate if there is no passenger sitting in the front passenger seat. However, the side airbag on the passenger seat may deploy if luggage is put in the seat or the seat belt is fastened, even if the seat is unoccupied.

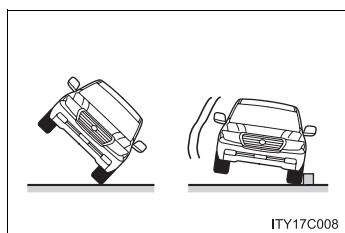
n Conditions under which the SRS airbags may deploy (inflate), other than a collision

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



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

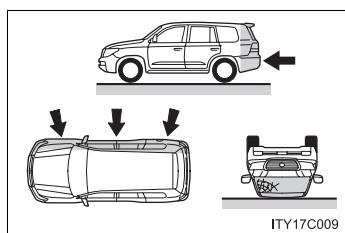
The SRS curtain shield airbags may also deploy under the situations shown in the illustration.



- 1 The angle of vehicle tip-up is marginal.
- 1 The vehicle skids and hits a curb stone.

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

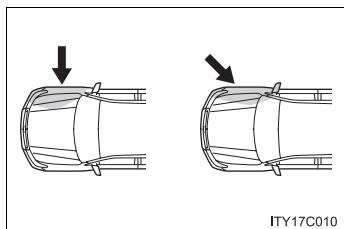
The SRS front airbags are generally not designed to inflate if the vehicle is involved in a side or rear collision, if it rolls over, or if it is involved in a low-speed frontal collision. But, whenever a collision of any type causes sufficient forward deceleration of the vehicle, deployment of the SRS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



- 1 Collision from the side
- 1 Collision from the rear
- 1 Vehicle rollover

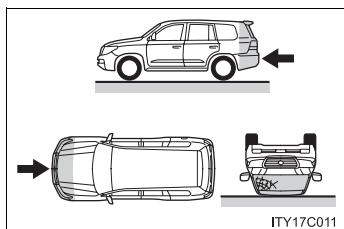
**n Types of collisions that may not deploy the SRS airbag
(side and curtain shield airbags)**

The SRS side airbag and curtain shield airbag system 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.



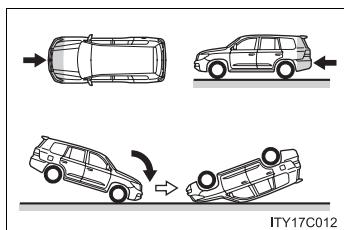
- 1 Collision from the side to the vehicle body other than the passenger compartment
- 1 Collision from the side at an angle

The SRS side airbags are not generally designed to 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.



- 1 Collision from the front
- 1 Collision from the rear
- 1 Vehicle rollover

The SRS curtain shield airbags are not generally designed to inflate if the vehicle is involved in a frontal or rear collision, if it pitches end over end, or if it is involved in a low-speed side collision.

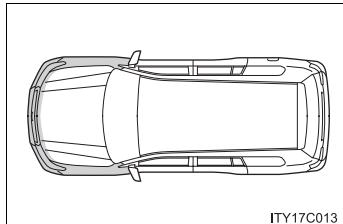


- 1 Collision from the front
- 1 Collision from the rear
- 1 Pitching end over end

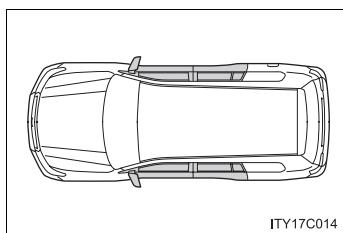
n When to contact your Toyota dealer

In the following cases, contact your Toyota dealer as soon as possible. Do not disconnect the battery cables before contacting your Toyota dealer.

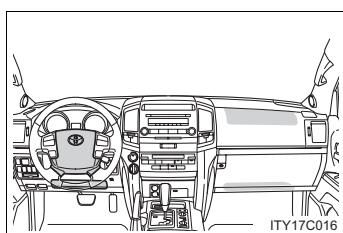
- 1 Any of the SRS airbags have been inflated.



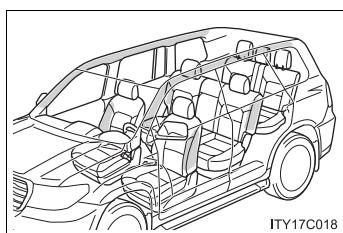
- 1 The front of the vehicle is damaged or deformed, or the vehicle was involved in an accident that was not severe enough to cause the SRS airbags to inflate.



- 1 A portion of the doors is damaged or deformed, or the vehicle was involved in an accident that was not severe enough to cause the SRS side airbags and curtain shield airbags to inflate.



- 1 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.



- 1 The surface of the seats with the side airbag is scratched, cracked, or otherwise damaged.
- 1 The portion of the front, center and rear pillar garnish, or roof interior containing the curtain shield airbags inside is scratched, cracked or otherwise damaged.

CAUTION

SRS airbag precautions

Observe the following precautions regarding the airbags.

Failure to do so may cause death or serious injury.

- 1 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.

- 1 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.

The National Highway Traffic Safety Administration ("NHTSA") advises:

Since the risk zone for driver airbag is the first 2 - 3 in. (50 - 75 mm) of inflation, placing yourself 10 in. (250 mm) 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 10 in. (250 mm) 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 10 in. (250 mm) 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 by NHTSA above, while still maintaining control of the foot pedals, steering wheel, and your view of the instrument panel controls.

⚠ CAUTION

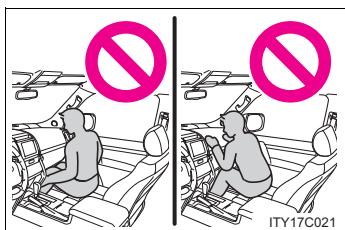
■ SRS airbag precautions



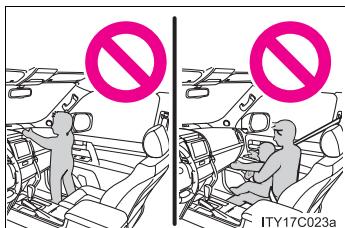
- ! If the seat belt extender has been connected to the driver's seat belt buckle but the seat belt extender has not also been fastened to the latch plate of the driver's seat belt, the SRS driver's airbag system will judge that the driver is wearing the seat belt even though the seat belt has not been connected. In this case, the driver's airbag may not activate correctly in a collision, resulting in death or serious injury in the event of collision. Be sure to wear the seat belt with the seat belt extender.
- ! 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.
- ! 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 the safest for infants and children. (→P. 123)

⚠ CAUTION

■ SRS airbag precautions



! 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 drive the vehicle while the driver or passenger have items resting on their knees.



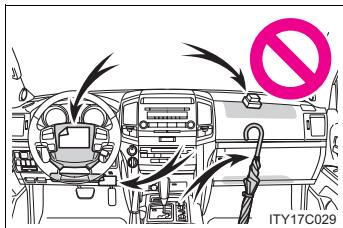
! Do not lean against the door, the roof side rail or the front, center and rear pillars.



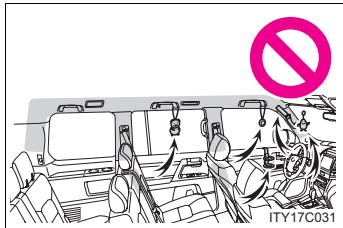
! Do not allow anyone to kneel on the passenger seats toward the door or put their head or hands outside the vehicle.

⚠ CAUTION

■ SRS airbag precautions



1 Do not attach anything to or lean anything against areas such as the dashboard or steering wheel pad or lower portion of the instrument panel. These items can become projectiles when SRS driver, front passenger and knee airbags deploy.



1 Do not attach anything to areas such as the door, windshield glass, side door glass, front, center and rear pillars, roof side rail or assist grip.

1 Do not hang coat hangers or other hard objects on the coat hooks. All of these items could become projectiles and seriously injure or kill you, should the SRS curtain shield airbag deploy.

CAUTION

n SRS airbag precautions

- 1 If the vinyl cover is put on the area where the SRS knee airbag will deploy, be sure to remove it.
- 1 Do not use seat accessories which cover the parts where the SRS side airbags inflate as they may interfere with inflation of the airbags.
- 1 Do not strike or apply significant levels of force to the area of the SRS airbag components shown on P. 104. Doing so can cause the SRS airbags to malfunction.
- 1 Do not touch any of the component parts immediately after the SRS airbags have deployed (inflated) as they may be hot.
- 1 If breathing becomes difficult after the SRS airbag has 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.
- 1 If the areas where the SRS airbags are stored, such as the steering wheel pad and front, center and rear pillar garnishes, are damaged or cracked, have them replaced by your Toyota dealer.

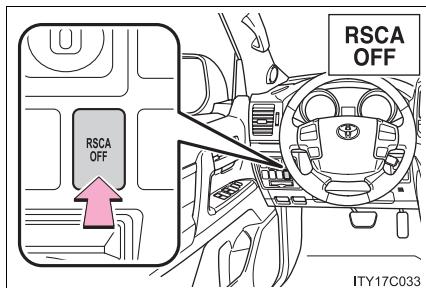
⚠ CAUTION

■ 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 airbag 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, center and rear pillars or roof side rail
- Repairs or modifications of the front fender, front bumper, or side of the occupant compartment
- Installation of snow plows, winches, etc. to the front grille (bull bars, kangaroo bar etc.)
- Modifications to the vehicle's suspension system
- Installation of electronic devices such as mobile two-way radios or CD players
- Modifications to your vehicle for a person with a physical disability

Deactivating the curtain shield airbags in a vehicle rollover



On/off (Pressing longer)

The “RSCA OFF” (roll sensing of curtain shield airbags off) indicator light turns on.
(Only when the “ENGINE START STOP” switch OFF.)

n This switch only should be used

In a situation where the inflation is not desired (such as during extreme off road driving).

n Operating conditions when the “RSCA OFF” indicator turns on

- 1 The curtain shield airbag and seat belt pretensioner will not activate in a vehicle rollover.
- 1 The curtain shield airbag will activate in a severe side impact.

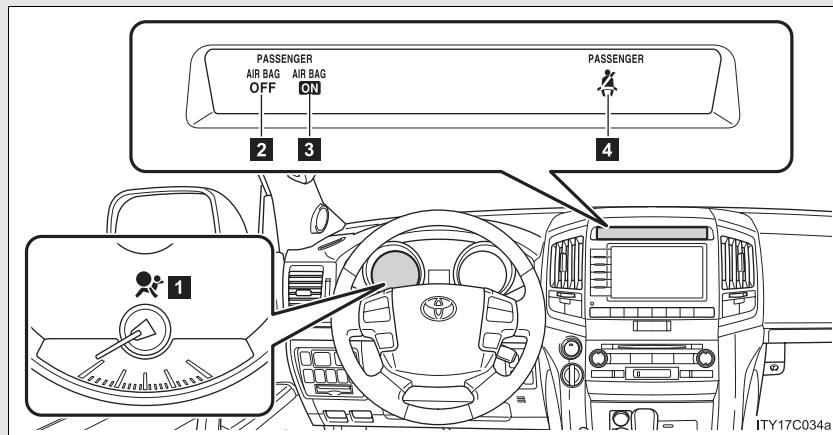
CAUTION

n While normal driving

Make sure the “RSCA OFF” indicator light is not turned on. If it is left on, the curtain shield airbag will not activate in the event of an accident, which may cause death or serious injury.

Front passenger occupant classification system

Your vehicle is equipped with a front passenger occupant classification system. This system detects the conditions of the front passenger seat and activates or deactivates the devices for front passenger.



- 1** SRS warning light
- 2** AIR BAG OFF indicator light
- 3** AIR BAG ON indicator light
- 4** Front passenger's seat belt reminder light

Condition and operation in the front passenger occupant classification system

n Adult^{*1}

Indicator/ warning light	AIR BAG ON and AIR BAG OFF indicator lights	On
	SRS warning light	Off
	Front passenger's seat belt reminder light	Flashing ^{*2}
Devices	Front passenger airbag and knee airbag	Activated
	Side airbag in the front passenger seat	
	Curtain shield airbag on the front passenger side	
	Front passenger's seat belt pretensioner	

n Child^{*3} or child restraint system^{*4}

Indicator/ warning light	AIR BAG ON and AIR BAG OFF indicator lights	Off ^{*5}
	SRS warning light	Off
	Front passenger's seat belt reminder light	Flashing ^{*2}
Devices	Front passenger airbag and knee airbag	Deactivated
	Side airbag in the front passenger seat	
	Curtain shield airbag on the front passenger side	Activated
	Front passenger's seat belt pretensioner	

n Unoccupied

Indicator/ warning light	AIR BAG ON and AIR BAG OFF indicator lights	Not illuminated
	SRS warning light	Off
	Front passenger's seat belt reminder light	
Devices	Front passenger airbag and knee airbag	Deactivated
	Side airbag in the front passenger seat	
	Curtain shield airbag on the front passenger side	Activated
	Front passenger's seat belt pretensioner	Deactivated

n System malfunction

Indicator/ warning light	AIR BAG ON and AIR BAG OFF indicator lights	Off
	SRS warning light	On
	Front passenger's seat belt reminder light	Off
Devices	Front passenger airbag and knee airbag	Deactivated
	Side airbag in the front passenger seat	
	Curtain shield airbag on the front passenger side	Activated
	Front passenger's seat belt pretensioner	

- *¹: The system judges a person of adult size as an adult. When a smaller adult sits in the front passenger seat, the system may recognize him/her as a child depending on his/her physique and posture.
- *²: In the event the front passenger does not wear a seat belt.
- *³: When a larger child who has outgrown a child restraint system sits in the front passenger seat, the system may recognize him/her as an adult depending on his/her physique or posture.
- *⁴: Never install a rear-facing child restraint system on the front passenger seat. A forward-facing child restraint system should only be installed on the front passenger seat when it is unavoidable.
(→P. 123)
- *⁵: In case the indicator is not illuminated, consult this manual as for installing the child restraint system properly. (→P. 127)

⚠ CAUTION

Front passenger occupant classification system precautions

Observe the following precautions regarding front passenger occupant classification system.

Failure to do so may cause death or serious injury.

- 1 Wear the seat belt properly.
- 1 Make sure the front passenger's seat belt tab has not been left inserted into the buckle before someone sits in the front passenger seat.
- 1 Make sure the AIR BAG OFF indicator light is not illuminated when using the seat belt extender for the front passenger seat. If the AIR BAG OFF indicator light is illuminated, disconnect the extender tongue from the seat belt buckle, then reconnect the seat belt. Reconnect the seat belt extender after making sure the AIR BAG ON indicator light is illuminated. If you use the seat belt extender while the AIR BAG OFF indicator light is illuminated, the front passenger airbag and side airbag on the front passenger side may not activate correctly, which could cause death or serious injury in the event of collision.
- 1 Do not apply a heavy load to the front passenger seat.
- 1 Do not put weight on the front passenger seat by putting your hands or feet on the front passenger seat seatback from the second seat.
- 1 Do not let a second seat passenger lift the front passenger seat with their feet or press on the seatback with their legs.
- 1 Do not put objects under the front passenger seat.
- 1 Do not recline the front passenger seatback so far that it touches a second seat. This may cause the AIR BAG OFF indicator light to be illuminated, which indicates that the passenger's airbags will not deploy in the event of a severe accident. If the seatback touches the second seat, return the seatback to a position where it does not touch the second seat. Keep the front passenger seatback as upright as possible when the vehicle is moving. Reclining the seatback excessively may lessen the effectiveness of the seat belt system.

CAUTION

n Front passenger occupant classification system precautions

- 1 If an adult sits in the front passenger seat, the AIR BAG ON indicator light is illuminated. If the AIR BAG OFF indicator is illuminated, ask the passenger to sit up straight, well back in the seat, feet on the floor, and with the seat belt worn correctly. If the AIR BAG OFF indicator still remain illuminated, either ask the passenger to move to the second seat, or if that is not possible, move the front passenger seat fully rearward.
- 1 When it is unavoidable to install the forward-facing child restraint system on the front passenger seat, install the child restraint system on the front passenger seat in the proper order. (→P. 127)
- 1 Do not modify or remove the front seat.
- 1 Do not kick the front passenger seat or subject it to severe impact. Otherwise, the SRS warning light may come on to indicate a malfunction in the detection system. In this case, contact your Toyota dealer immediately.
- 1 Do not use a seat accessory, such as a cushion or seat cover, that covers the seat cushion surface.
- 1 Child restraint systems installed on the second seat should not contact the front seatbacks.

1-7. Safety information

Child restraint systems

A child restraint system for a small child or baby must itself be properly restrained on the seat with the lap portion of the lap/shoulder belt.

The laws of all 50 states of the U.S.A. now require the use of child restraint systems.

Points to remember

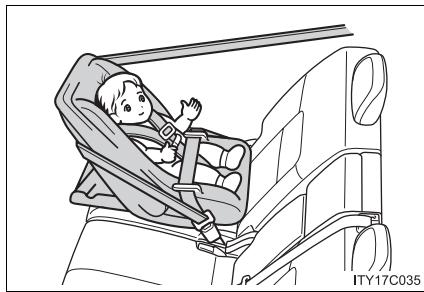
Studies have shown that installing a child restraint on a rear seat is much safer than installing one to the front passenger seat.

- 1 Choose a child restraint system that suits your vehicle and is appropriate to the age and size of the child.
- 1 For installation details, follow the instructions provided with the child restraint system.
General installation instructions are provided in this manual.
(→P. 127)

Types of child restraints

Child restraint systems are classified into the following 3 types according to the age and size of the child.

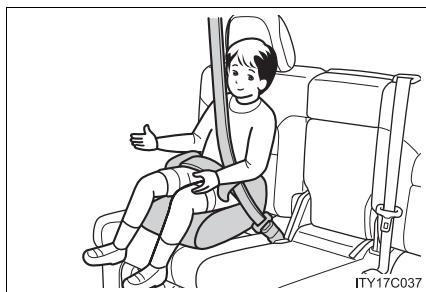
- ▶ Rear facing—Infant seat/convertible seat



► Forward facing—Convertible seat



► Booster seat



■ When installing the 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:

- 1 The seatback to the most upright position
- 1 The seat cushion to the fully rearward and highest position
- 1 The seat belt height to the lowest position

n Selecting an appropriate child restraint system

- 1 Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt.
- 1 If a child is too large for a child restraint system, sit the child on a rear seat and use the vehicle's seat belt. (→P. 70)

⚠ CAUTION

n 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, resulting in serious injury or even death.

n Child restraint precautions

- 1 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.
- 1 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.
- 1 Never install a rear-facing child restraint system on the front passenger seat even if the AIR BAG OFF indicator light illuminates. 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.
- 1 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 even if the AIR BAG OFF indicator light illuminates, because the front passenger airbag could inflate with considerable speed and force. Otherwise, the child may be killed or seriously injured.

CAUTION

n Child restraint precautions

- 1 Do not use the seat belt extender when installing a child restraint system on the front or rear passenger seat. If installing a child restraint system with the seat belt extender connected to the seat belt, the seat belt will not securely hold the child restraint system, which could cause death or serious injury to the child or other passengers in the event of collision.
- 1 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, center and rear pillars or roof side rail from which the side airbags or curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous if the side airbags and curtain shield airbags inflate, and the impact could cause death or serious injury to the child.
- 1 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 or accident.

n Child restraint lock function belt precaution

Do not allow children to play with the child restraint lock function belt. If the belt becomes twisted around a child's neck, it will not be possible to pull the belt out leading 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.

n When the child restraint system is not in use

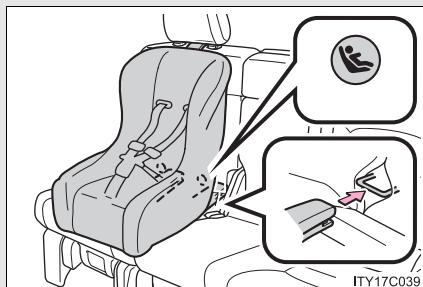
- 1 Keep the child restraint system properly secured on the seat even if it is not in use. Do not store the restraint unsecured in the passenger compartment.
- 1 If it is necessary to detach the child restraint system, remove it from the vehicle or store it securely in the luggage compartment. This will prevent it from injuring passengers in the event of a sudden stop or accident.

1-7. Safety information

Installing child restraints

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

The lap/shoulder belt can be used if your child restraint system is not compatible with the LATCH (Lower Anchors and Tethers for Children) system.

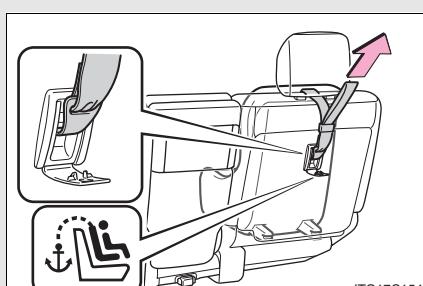


Child restraint LATCH anchors

LATCH anchors are provided for the outside second seat. (Buttons displaying the location of the anchors are attached to the seats.)



Seat belts equipped with a child restraint locking mechanism (ALR/ELR belts except driver's seat belt) (→P. 70)

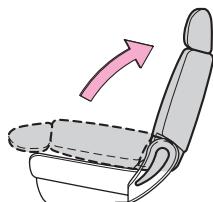


Anchor bracket (for top tether strap)

Anchor brackets are provided for all second seats.

Installation with LATCH system

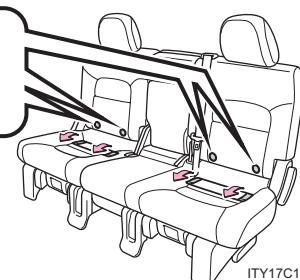
STEP 1



ITY17C104

Fold the seatback forward and then adjust it as upright as possible.

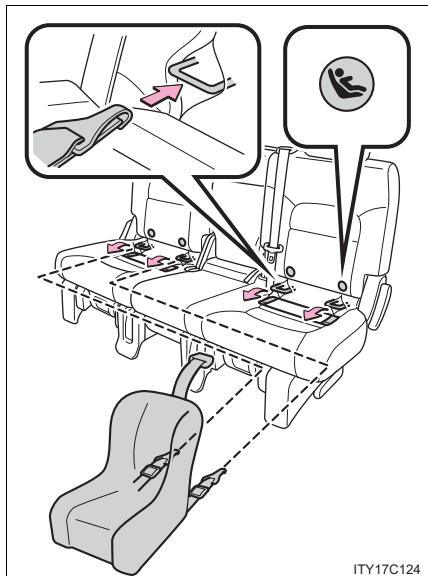
STEP 2



ITY17C106

Take off the covers between the seat cushion and seatback, then confirm the position of the LATCH anchors below the symbol in the seatback.

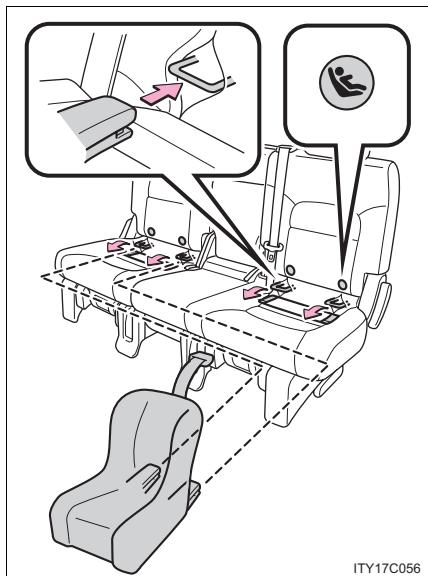
► Type A



STEP 3 Latch the hooks of the lower straps onto the LATCH anchors.

STEP 4 If the child restraint has a top tether strap, the top tether strap should be latched onto the top tether strap anchor.

► Type B

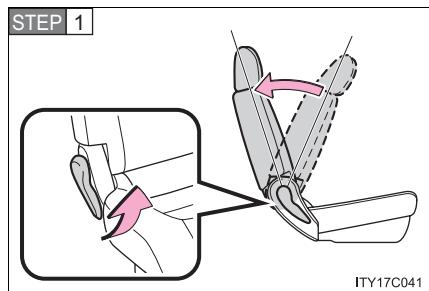


STEP 3 Latch the buckles onto the LATCH anchors.

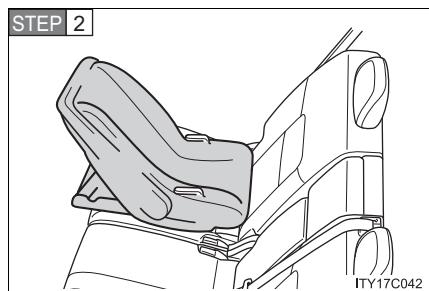
STEP 4 If the child restraint has a top tether strap, the top tether strap should be latched onto the top tether strap anchor.

Installing child restraints using a seat belt (child restraint lock function belt)

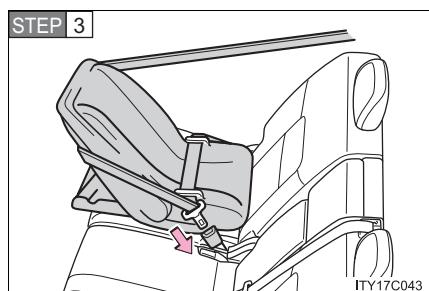
■ Rear-facing — Infant seat/convertible seat



Fold the seatback while pulling the seatback angle lever.
Return the seatback and secure it at the first lock position.
(→P. 53)

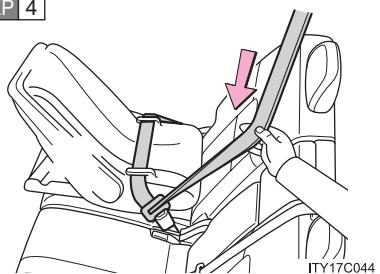


Place the infant seat/convertible seat on the second or third seat facing the rear of the vehicle.



Run the seat belt through the infant seat/convertible seat and insert the plate into the buckle.
Make sure that the belt is not twisted.

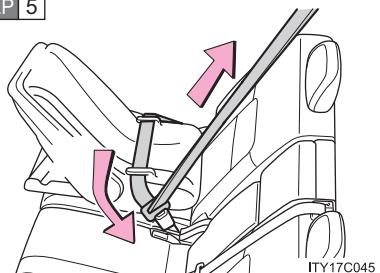
STEP 4



Fully extend the shoulder belt and then allow it to retract slightly in order to activate the ALR lock mode.

Lock mode allows the seat belt to retract only.

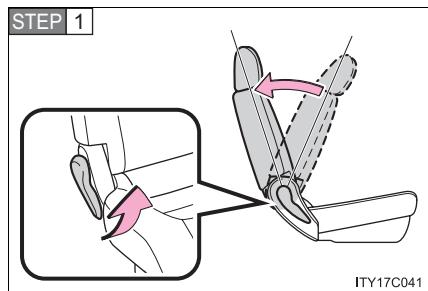
STEP 5



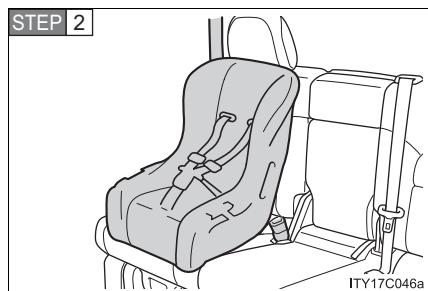
While pushing the infant seat/convertible seat down into the seat, allow the shoulder belt to retract until the infant seat/convertible seat is securely in place.

After the shoulder belt has retracted to a point where there is no slack in the belt, pull the belt to check that it cannot be extended.

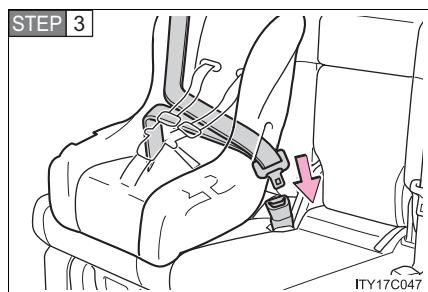
n Forward-facing — Convertible seat



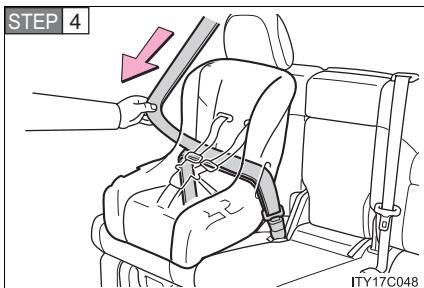
Fold the seatback while pulling the seatback angle lever. Return the seatback and secure it at the first lock position.
(→P. 53)



Place the convertible seat on the seat facing the front of the vehicle.

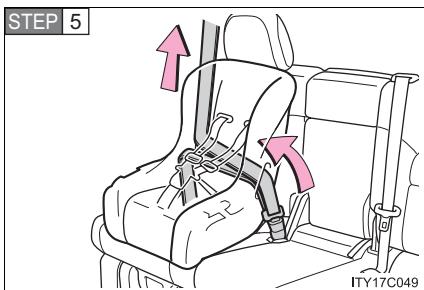


Run the seat belt through the convertible seat and insert the plate into the buckle. Make sure that the belt is not twisted.



Fully extend the shoulder strap and then allow it to retract slightly into the ALR lock mode.

Lock mode allows the seat belt to retract only.

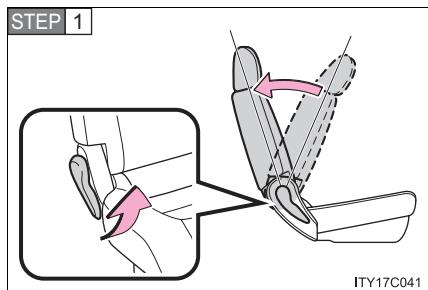


While pushing the convertible seat into the seat, allow the shoulder belt to retract until the convertible seat is securely in place.

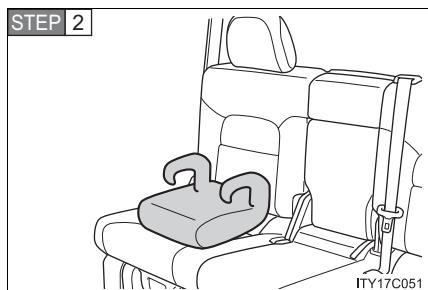
After the shoulder belt has retracted to a point where there is no slack in the belt, pull the belt to check that it cannot be extended.

STEP 6 If the child restraint has a top tether strap, the top tether strap should be latched onto the top tether strap anchor. (→P. 128)

n Booster seat



Fold the seatback while pulling the seatback angle lever.
Return the seatback and secure it at the first lock position.
(→P. 53)



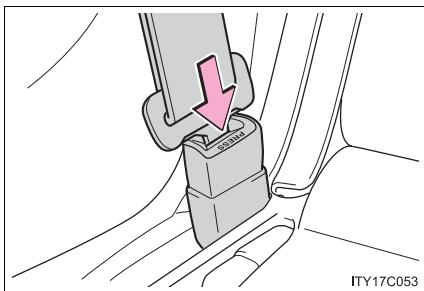
Place the booster seat on the seat facing the front of the vehicle.



Sit the child in the booster seat.
Fit the seat belt to the booster seat 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.
(→P. 70)

Removing a child restraint installed with a seat belt

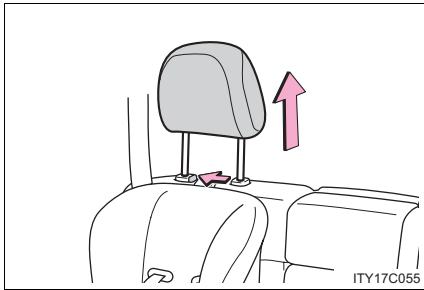


Press the buckle release button and fully retract the seat belt.

Child restraint systems with a top tether strap

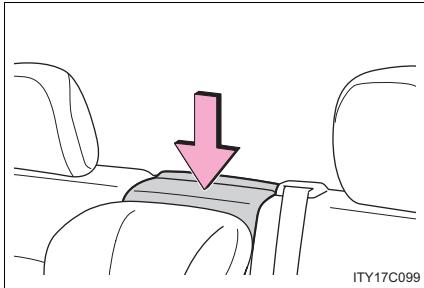
STEP 1 Secure the child restraint using a seat belt or lower anchors, and do the following.

► Outside



Adjust the head restraint to the upmost position.

► Center

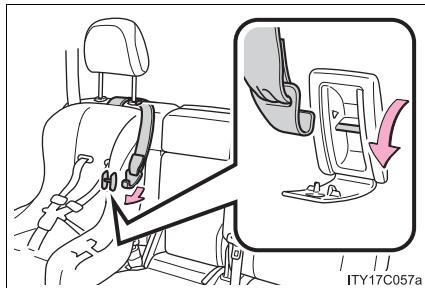


Lower the head restraint to the lowest position.

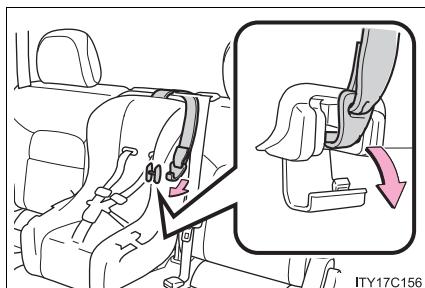
STEP 2 Open the anchor bracket cover, latch the hook onto the anchor bracket and tighten the top tether strap.

Make sure the top tether strap is securely latched.

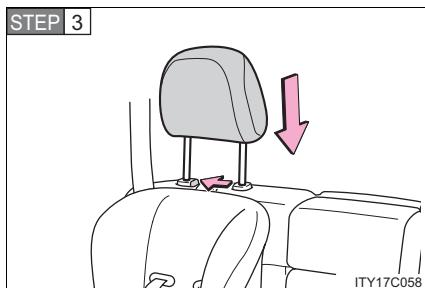
► Outside



► Center



STEP 3



Outside only: Adjust the head restraint to the downmost position.

n **Laws and regulations pertaining to anchorages**

The LATCH system conforms to FMVSS225.

Child restraint systems conforming to FMVSS213 specifications can be used.

This vehicle is designed to conform to the SAE J1819.

 **CAUTION**

n **When installing a booster seat**

Do not fully extend the shoulder belt to prevent the belt from going to ALR lock mode: (→P. 73)

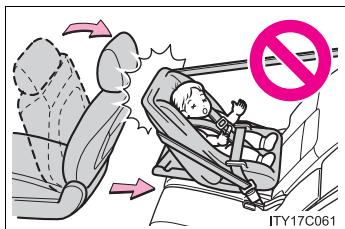
ALR mode causes the belt to tighten only which could cause injury or discomfort to the child.

⚠ CAUTION

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 or an accident.



- 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 right-hand rear seat.
- Child restraint system installed on the third seat should not contact the second seatbacks.
- Only put a forward facing or booster child seat on the front seat when unavoidable. When installing a forward facing or booster child restraint on the front passenger seat, move the seat as far back as possible even if the AIR BAG OFF indicator light illuminates. Failing to do so may result in death or serious injury if the airbags deploy (inflate).

- When using the LATCH anchors for a child restraint system, move the seat as far as possible and adjust the seatback as upright as possible, with the seatback close to the child restraint system.
- When a 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. Failing to do so may result in death or serious injury in the event of an accident or sudden braking.

⚠ CAUTION

When installing a child restraint system

- 1 Ensure that the belt and tab are securely locked and the seat belt is not twisted.
- 1 Push and pull the child restraint system from side to side and forward to be sure it is secure.
- 1 After securing a child restraint system, never adjust the seat.
- 1 Follow all installation instructions provided by the child restraint system manufacturer.

Do not use a seat belt extender

If a seat belt extender is used when installing a child restraint system, the seat belt will not securely hold the child restraint system, which could cause death or serious injury to the child or other passengers in the event of a collision.

To correctly attach a child restraint system to the anchors

- 1 When using the LATCH anchors, be sure that there are no foreign objects around the anchors and that the seat belt is not caught behind the child restraint. 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 a sudden stop or accident.



- 1 When using the left side lower anchors 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 a collision.

1-7. Safety information

2-1. Driving procedures

Driving the vehicle

The following procedures should be observed to ensure safe driving.

n Starting the engine (→P. 152)

n Driving

STEP 1 With the brake pedal depressed, shift the shift lever to “D”.
(→P. 155)

STEP 2 Release the parking brake. (→P. 162)

STEP 3 Gradually release the brake pedal and gently push the accelerator pedal to accelerate the vehicle.

n Stopping

STEP 1 With the shift lever in “D”, push the brake pedal.

STEP 2 If necessary, set the parking brake.

When the vehicle is stopped for an extended period of time, shift the shift lever to “P” or “N”.
(→P. 155)

n Parking the vehicle

STEP 1 With the shift lever in “D”, push the brake pedal.

STEP 2 Set the parking brake. (→P. 162)

STEP 3 Shift the shift lever to “P”. (→P. 155)

STEP 4 Press the “ENGINE START STOP” switch and stop the engine.

STEP 5 Lock the door, making sure that you have the key on your person.

Starting on a steep incline

STEP 1 Firmly set the parking brake and shift the shift lever to “D”.

STEP 2 Gently depress the accelerator pedal.

STEP 3 Release the parking brake.

n **Driving in the rain**

- 1 Drive carefully when it is raining, because visibility will be reduced, the windows may become fogged-up, and the road will be slippery.
- 1 Drive carefully when it starts to rain, because the road surface will be especially slippery.
- 1 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.

n **Breaking in your new Toyota**

To extend the life of the vehicle, the following precautions are recommended to observe:

- 1 For the first 200 miles (300 km):
Avoid sudden stops.
- 1 For the first 500 miles (800 km):
Do not tow a trailer.
- 1 For the first 1000 miles (1600 km):
 - Do not drive at extremely high speeds.
 - Avoid sudden acceleration.
 - Do not drive continuously in the low gears.
 - Do not drive at a constant speed for extended periods.

n **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 drums are replaced.

Have your Toyota dealer perform the bedding-down.

n **Operating your vehicle in a foreign country**

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P. 510)

CAUTION

n When starting the vehicle

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

n When driving the vehicle

- 1** 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, allowing 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, resulting in an accident.
- 1** Do not drive the vehicle over or stop the vehicle near flammable materials. The exhaust system and exhaust gases can be extremely hot. This may cause a fire if there is any flammable material nearby.
- 1** Do not let the vehicle roll backwards 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 and lead to poor steering performance, resulting in an accident or damage to the vehicle.
- 1** 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.

⚠ CAUTION

- 1 Do not under any circumstances shift the shift lever to “P” or “R” while the vehicle is moving.
Doing so can cause significant damage to the transmission and may result in a loss of vehicle control.
- 1 Do not shift the shift lever to “N” while the vehicle is moving.
Doing so may cause the engine brake not to operate properly and lead to an accident.
- 1 Do not turn the engine off while driving.
The power steering and brake actuator will not operate properly if the engine is not running.
- 1 Use engine braking (downshift) to maintain a safe speed when driving down a steep hill.
Using the brakes continuously may cause the brakes to overheat and lose effectiveness. (→P. 156)
- 1 When stopped on an inclined surface, use the brake pedal and parking brake to prevent the vehicle from rolling backward or forward and causing an accident.
- 1 Do not adjust the position of the steering wheel, the seat, or the inside or outside rear view mirrors while driving.
Doing so may result in a loss of vehicle control that can cause accidents that may result in death or serious injury.
- 1 Always check that all passengers' arms, heads or other parts of their bodies are not outside the vehicle, as this may result in death or serious injury.
- 1 Do not drive in excess of the speed limit. Even if the legal speed limit permits it, do not drive over 85 mph (140 km/h) unless your vehicle has high-speed capability tires. Driving over 85 mph (140 km/h) may result in tire failure, loss of control and possible injury. Be sure to consult a tire dealer to determine whether the tires on your vehicle are high-speed capability tires or not before driving at such speeds.

CAUTION

n When driving on slippery road surfaces

- 1 Sudden braking, acceleration and steering may cause tire slippage and reduce your ability to control the vehicle, resulting in an accident.
- 1 Sudden changes in engine speed, such as engine braking caused by up-shifting or down-shifting, may cause the vehicle to skid, resulting in an accident.
- 1 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.

n When shifting the shift lever

Be careful not to shift the shift lever with the accelerator pedal depressed. This may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

n When the vehicle is stopped

- 1 Do not race the engine.
If the vehicle is in any gear other than "P" or "N", the vehicle may accelerate suddenly and unexpectedly, and may cause an accident.
- 1 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.
- 1 Always keep a foot on the brake pedal while the engine is running to prevent an accident caused by the vehicle moving.

⚠ CAUTION

When the vehicle is parked

1 Do not leave glasses, cigarette lighters, spray cans, or soft drink cans in the vehicle when it is in the sun.

Failure to do 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 eye glasses to deform or crack.
- Soft drink cans may fracture, causing the contents to spray over the interior of the vehicle, and may also cause a short circuit in the vehicle's electrical components.

1 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.

1 Do not touch the exhaust pipe while the engine is running or immediately after turning the engine off.

Doing so may cause burns.

1 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) that is colorless and odorless. Inhalng exhaust gases may lead to death or a serious health hazard.

1 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.

1 The exhaust 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.

CAUTION

n When taking a nap in the vehicle

Always turn the engine off. Otherwise, you may accidentally move the shift lever or depress the accelerator pedal, which 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.

n When braking the vehicle

1 When the brakes are wet, drive more cautiously.

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

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

In this case, braking is still possible, but it will require more force on the pedal than usual. Braking distance may also increase.

1 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.

1 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 braking distance becomes longer.

Do not drive your vehicle with only a single brake system. Have your brakes fixed immediately.



NOTICE

n While driving the vehicle

Do not use the accelerator pedal or depress accelerator and brake pedals together to hold the vehicle on a hill.

n When parking the vehicle

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

n Avoiding damage to vehicle parts

- 1 Do not turn the steering wheel fully in either direction and hold it there for a long time.
Doing so may damage the power steering pump.
- 1 When driving over bumps in the road, drive as slowly as possible to avoid damaging the wheels, underside of the vehicle, etc.

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

Have your Toyota dealer check and replace the brake pads as soon as possible.

The rotor damage can 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 that of the brake discs are exceeded.

NOTICE

n 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 press the brake pedal to slow down the vehicle.

- 1 It may be difficult to control your vehicle.
- 1 The vehicle will make abnormal sounds.
- 1 The vehicle will behave abnormally.

Replace a flat tire with a new one. (→P. 476)

n 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.

- 1 Engine stalling
- 1 Short in electrical components
- 1 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.

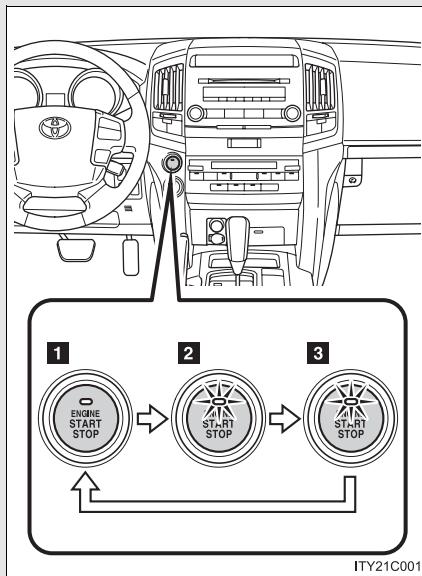
- 1 Brake function
- 1 Changes in quantity and quality of oil and fluid used for the engine, transmission, transfer, differentials, etc.
- 1 Lubricant condition for the propeller shaft, bearings and suspension joints (where possible) and the function of all joints, bearings, etc.

2-1. Driving procedures

Engine (ignition) switch

Modes can be switched by pressing the “ENGINE START STOP” switch when carrying the electronic key on your person. (The engine can be started in any mode by operating the switch at the same time as depressing the brake pedal.)

n Changing “ENGINE START STOP” switch mode



1 OFF mode*

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 mode.

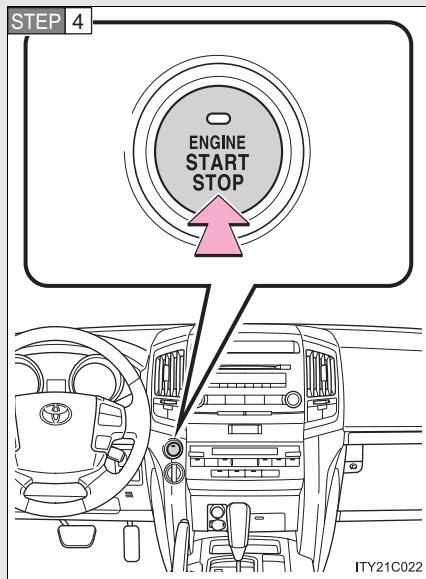
n Starting the engine

STEP 1 Check that the parking brake is set.

STEP 2 Check that the shift lever is set in “P”.

STEP 3 Sit in the driver's seat and firmly depress the brake pedal.

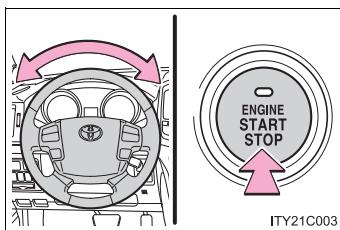
The “ENGINE START STOP” switch indicator turns green.



Press the “ENGINE START STOP” switch.

Continue depressing the brake pedal until the engine is completely started. The engine will crank until it starts or for up to 30 seconds, whichever is less.

n When the steering lock cannot be released



The green indicator light on the “ENGINE START STOP” switch will flash and a message will be shown on the multi-information display. Press the “ENGINE START STOP” switch again while turning the steering wheel left and right.

n If the engine does not start

The engine immobilizer system may not have been deactivated. (→P. 95)

n When the “ENGINE START STOP” switch indicator flashes in amber

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

n Auto power off function

If the vehicle is left in ACCESSORY mode for more than an hour with the shift lever in “P”, the “ENGINE START STOP” switch will automatically turn off.

n Electronic key battery depletion

→P. 32

n When the electronic key battery is discharged

→P. 494

n Conditions affecting operation

→P. 30

n Note for the smart key system

→P. 33

CAUTION

n 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.

n Stopping the engine in an emergency

If you want to stop the engine in an emergency while driving the vehicle, push and hold the "ENGINE START STOP" switch for more than 3 seconds. However, do not touch the "ENGINE START STOP" switch while driving except in an emergency. If the engine stops while the vehicle is being driven, this could lead to an unexpected accident.

NOTICE

n To prevent battery discharge

Do not leave the "ENGINE START STOP" switch in ACCESSORY or IGNITION ON mode for long periods without the engine running.

n When starting the engine

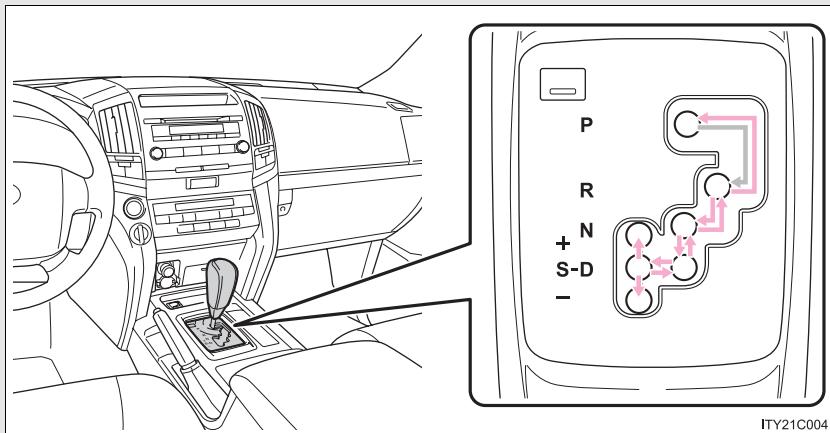
- 1 Do not race a cold engine.
- 1 If the engine becomes difficult to start or stalls frequently, have the engine checked immediately.

2-1. Driving procedures

Automatic transmission

Select a shift position appropriate for the driving conditions.

n Shifting the shift lever



While the “ENGINE START STOP” switch is in IGNITION ON mode, depress the brake pedal and move the shift lever.

n Shift position uses

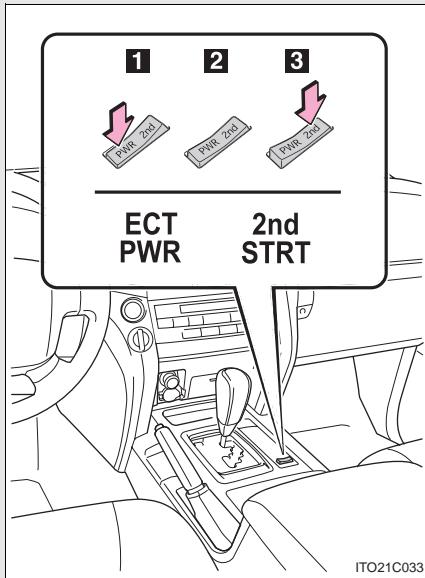
Shift position	Function
P	Parking the vehicle or starting the engine
R	Reversing
N	Neutral
D	Normal driving ^{*1}
S	“S” mode driving ^{*2}

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

*2: By selecting shift ranges using “S” mode, you can control engine braking forces.

n Selecting a driving mode

The following patterns can be selected to suit current driving and operating conditions.



1 Power mode

For powerful acceleration and driving in mountainous regions.

2 Normal mode

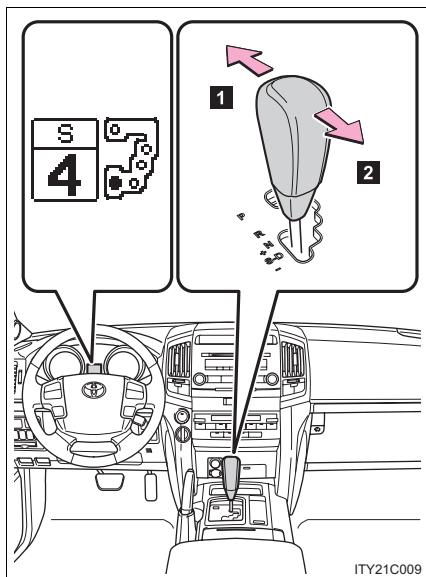
3 Second start mode

For starting on slippery road surfaces, such as on snow.

Press "2nd" to return to normal mode.

Changing shift ranges in “S” mode

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



- 1 Upshifting
- 2 Downshifting

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” or “2” if the AI-SHIFT has operated while the shift lever was in the “D” position. (→P. 160)

n Shift ranges and their functions

Shift range	Function
6	Automatically selecting gears between 1 and 6 according to vehicle speed and driving conditions.
5	Automatically selecting gears between 1 and 5 according to vehicle speed and driving conditions.
4	Automatically selecting gears between 1 and 4 according to vehicle speed and driving conditions.
3	Automatically selecting gears between 1 and 3 according to vehicle speed and driving conditions.
2	Automatically selecting gears between 1 and 2 according to vehicle speed and driving conditions.
1	Setting the gear at 1.

A lower shift range will provide greater engine braking force than a higher shift range, and the engine revolutions will also increase.

n "S" mode

When the shift range is "5" or lower, holding the shift lever toward "+" sets the shift range to "6".

n Downshifting restrictions warning buzzer (in the "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. (The warning buzzer will sound twice.)

n When driving with the cruise control system

The engine brake will not operate in the "S" mode, even when downshifting to "5" or "4". (→P. 188)

n Second start mode automatic deactivation

Second start mode is automatically deactivated if the engine is turned off after driving in second start mode.

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

→P. 491

n If the "S" 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 vehicle will operate as if the shift lever is in "D".)

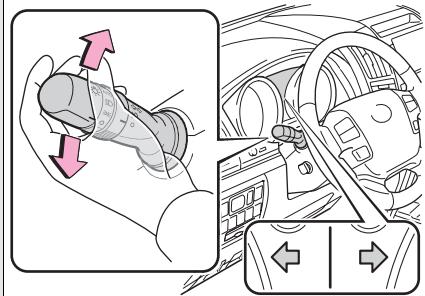
n AI-SHIFT

The AI-SHIFT automatically shifts the gear to the optimal position according to the driver performance and driving conditions.

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

2-1. Driving procedures

Turn signal lever



1 Right turn

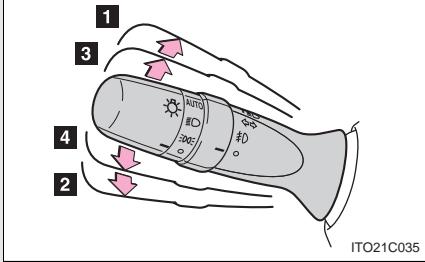
2 Left turn

3 Move and hold the lever partway to signal a lane change

The right hand signal will flash until you release the lever.

4 Move and hold the lever partway to signal a lane change

The left hand signal will flash until you release the lever.



n Turn signals can be operated when

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

n If the indicators flash 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



1 Sets the parking brake

Fully set the parking brake while depressing the brake pedal.

2 Releases the parking brake

Slightly raise the lever and lower it completely while pressing the button.



NOTICE

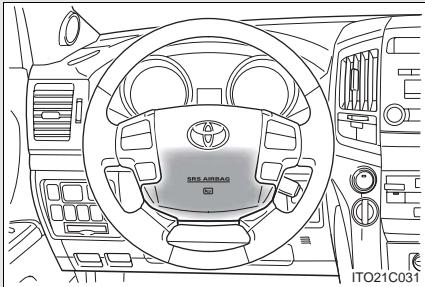
Before driving

Fully release the parking brake.

Driving the vehicle with the parking brake set will lead to brake components overheating, which may affect braking performance and increase brake wear.

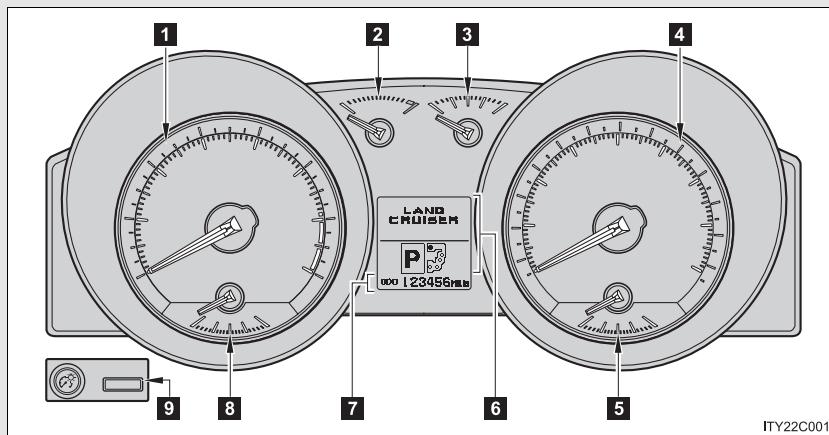
2-1. Driving procedures

Horn



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

2-2. Instrument cluster Gauges and meters



The following gauges, meters and display illuminate when the "ENGINE START STOP" switch is in IGNITION ON mode.

1 Tachometer

Displays the engine speed in revolutions per minute.

2 Engine coolant temperature gauge

Displays the engine coolant temperature.

3 Fuel gauge

Displays the quantity of fuel remaining in the tank.

4 Speedometer

Displays the vehicle speed.

5 Voltmeter

Displays the charge state.

6 Multi-information display

→P. 170

7 Odometer and trip meter

Odometer: Displays the total distance the vehicle has been driven.

Trip meter: Displays the distance the vehicle has been driven since the meter was last reset. Trip meters A and B can be used to record and display different distances independently.

8 Engine oil pressure gauge

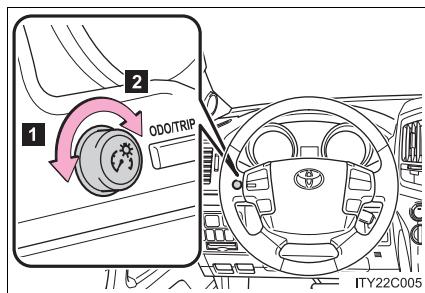
Displays the engine oil pressure.

9 Odometer/trip meter and trip meter reset button

Switches between odometer and trip meter displays. Pushing and holding the button will reset the trip meter when the trip meter is being displayed.

Instrument panel light control

The brightness of the instrument panel lights can be adjusted.



1 Darker

2 Brighter

 **NOTICE**

n To prevent damage to the engine and its components

- 1 Do not let the indicator needle of the tachometer enter the red zone, which indicates the maximum engine speed.
- 1 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. 501)

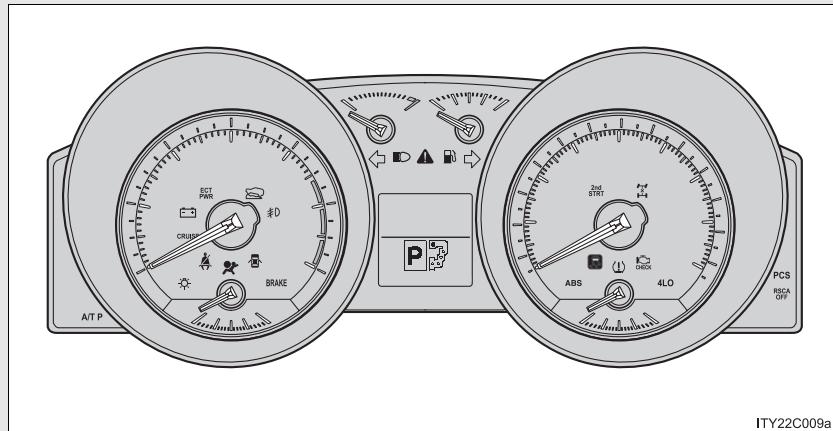
n While driving

- 1 When the voltmeter indicates more than 19 V or less than 9 V, the battery may be malfunctioning. Have your vehicle checked at your Toyota dealer.
- 1 When the engine oil pressure gauge does not work properly, immediately stop the engine and contact your Toyota dealer.

2-2. Instrument cluster Indicators and warning lights

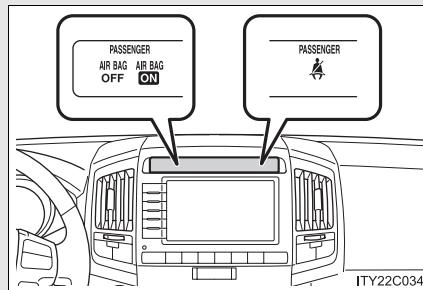
The indicator and warning lights on the instrument cluster and center panel inform the driver of the status of the vehicle's various systems.

► Instrument cluster



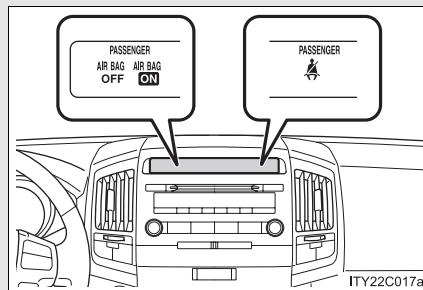
ITY22C009a

► Center panel (vehicles with navigation system)



ITY22C034

► Center panel (vehicles without navigation system)



ITY22C017a

n Indicators

The indicators inform the driver of the operating state of the vehicle's various systems.



Turn signal indicator
(→P. 161)



Headlight high beam
indicator (→P. 175)



Headlight indicator
(→P. 174)



Fog light indicator
(→P. 177)



Cruise control indicator
(→P. 188)



*1 Slip indicator (→P. 213)



*1 Crawl Control indicator
(→P. 208)



*1 Roll sensing of curtain
shield airbags off indica-
tor (→P. 116)



“PWR” mode indicator
(→P. 157)



Automatic transmission
second start indicator
(→P. 157)



Low speed four-wheel
drive indicator light
(→P. 201)



Center differential lock
indicator (→P. 214)



*1 “AIR BAG ON/OFF”
indicator (→P. 117)

n Warning lights

Warning lights inform the driver of malfunctions in the indicated vehicle's systems. (→P. 462)



*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 the lights do not come on, or if the lights do not turn off. Have the vehicle inspected by your Toyota dealer.

*²: Vehicles with navigation system

*³: Vehicles without navigation system

*⁴: If equipped

⚠ CAUTION

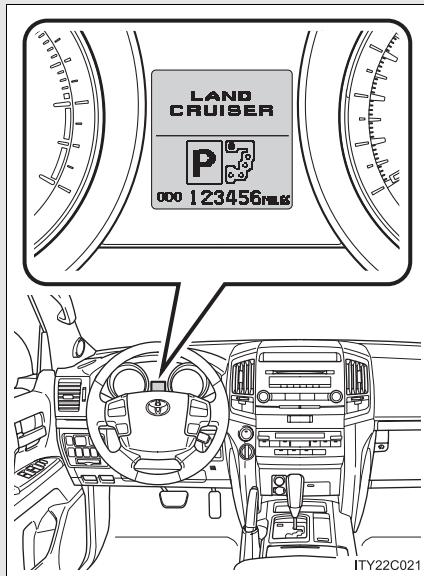
n If a safety system warning light does not come on

Should a safety system light such as Multi Terrain ABS and the SRS airbag warning lights 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.

2-2. Instrument cluster

Multi-information display

The Multi-information display presents the driver with a variety of driving-related data.



1 Trip information (→P. 171)

Displays driving range, fuel consumption and other cruising-related information.

1 Toyota park assist system display (→P. 192)

Automatically displayed when using Toyota park assist system.

1 Crawl Control display (→P. 208)

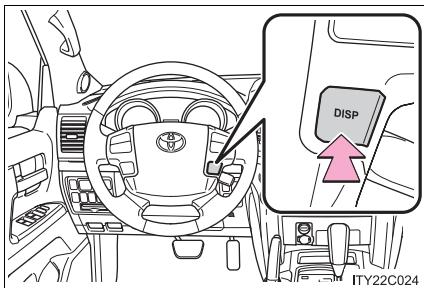
Automatically displayed when using Crawl Control.

1 Shift position and shift range (→P. 155)

1 Warning messages (→P. 473)

Automatically displayed when a malfunction occurs in one of the vehicle's system.

Switch the display



Display items can be switched by pressing the “DISP” button.

Trip information

n Current fuel consumption

Displays the current rate of fuel consumption.

n Average fuel consumption

Displays the average fuel consumption since the vehicle was last refueled.

n Driving range

Displays the estimated maximum distance that can be driven with the quantity of fuel remaining.

- 1 This distance is computed based on your average fuel consumption. As a result, the actual distance that can be driven may differ from that displayed.
- 1 When only a small amount of fuel is added to the tank, the display may not be updated.

n Average vehicle speed

Displays the average vehicle speed since the engine was started.

n Driving distance

Displays the driving distance since the engine was started.

n Tire inflation pressure

Displays inflation pressure of each tire. There is no correlation between the order of the displayed values and the tire positions.

It may take a few minutes to display the tire inflation pressure after the "ENGINE START STOP" switch is turned to IGNITION ON mode. It may also take a few minutes to display the tire inflation pressure after inflation pressure has been adjusted.

n System check display

After switching the “ENGINE START STOP” switch to IGNITION ON mode, “LAND CRUISER” is displayed while system operation is checked. When the system check is complete, the normal screen will return.

n Tire inflation pressure

Tire inflation pressure changes with temperature. The displayed values may also be different from the values measured using other gauges.

n Liquid crystal display

Small spots or light spots may appear on the display. This phenomenon is characteristic of liquid crystal displays, and there is no problem to continue using the display.

NOTICE

n The multi-information display at low temperatures

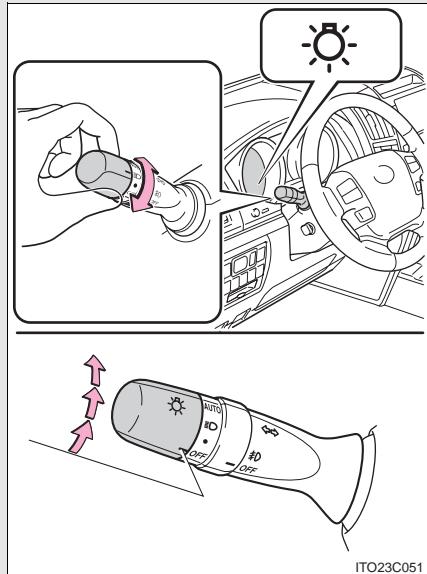
Allow the interior of the vehicle to warm up before using the liquid crystal information display. At extremely low temperatures, the information display monitor may respond slowly, and display changes may be delayed.

2-3. Operating the lights and wipers

Headlight switch

The headlights can be operated manually or automatically.

► Type A



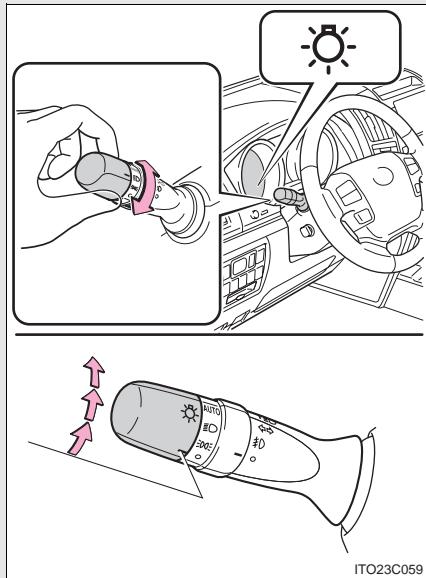
● The side marker, parking, tail, license plate and instrument panel lights turn on.

● The headlights and all lights listed above turn on.

AUTO The headlights and all lights listed above turn on and off automatically.

(When the “ENGINE START STOP” switch is in IGNITION ON mode.)

► Type B



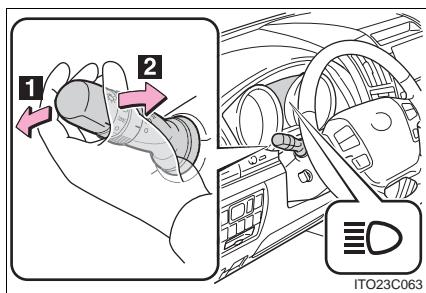
The side marker, parking, tail, license plate and instrument panel lights turn on.

The headlights and all lights listed above turn on.

AUTO The headlights and all lights listed above turn on and off automatically.

(When the “ENGINE START STOP” switch is in IGNITION ON mode.)

Turning on the high beam headlights



1 With the headlights on, push the lever forward to turn on the high beams.

Pull the lever back to the center position to turn the high beams off.

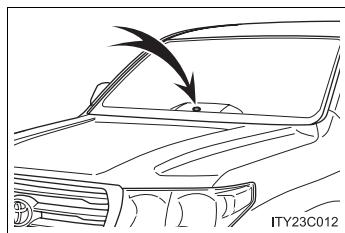
2 Pull the lever toward you to turn on the high beams.

Release the lever to turn them off. You can flash the high beams with the headlights on or off.

■ Daytime running light system

To make your vehicle more visible to other drivers, the headlights turn on automatically (at a reduced intensity) whenever the engine is started and the parking brake is released. Daytime running lights are not designed for use at night.

■ 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

- 1 When the headlights are on: The headlights and tail lights turn off 30 seconds after a door is opened and closed if the "ENGINE START STOP" switch has been switched to ACCESSORY or OFF mode.
- 1 When only the tail lights are on: The tail lights turn off automatically if the "ENGINE START STOP" switch is switched to ACCESSORY or OFF mode and driver's 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 the ● or 30E or 30D or 30D position.

■ Customization that can be configured at Toyota dealer

Settings (e.g. light sensor sensitivity) can be changed.
(Customizable features →P. 533)

NOTICE

■ To prevent battery discharge

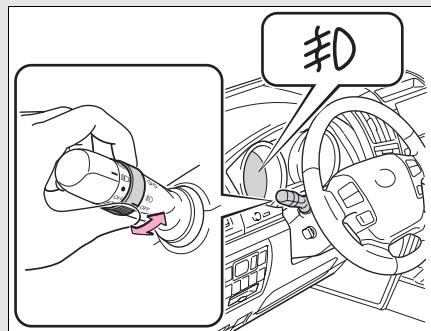
Do not leave the lights on longer than necessary when the engine is not running.

2-3. Operating the lights and wipers

Fog light switch

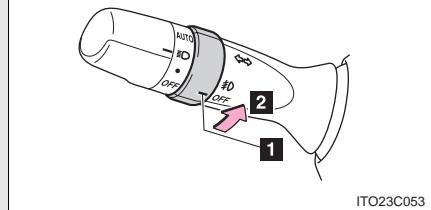
The fog lights improve visibility in difficult driving conditions, such as in rain or fog. The fog lights can be used when the headlights are on low beam.

► Type A



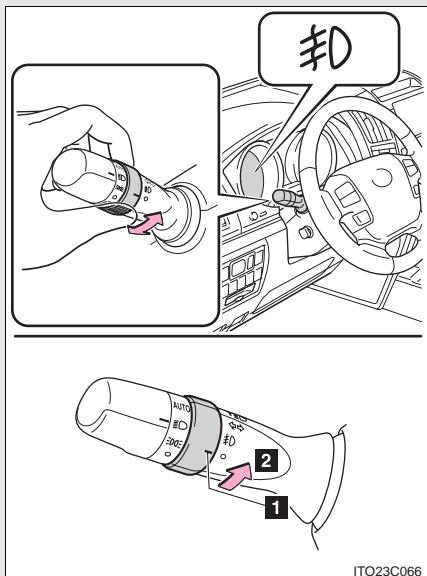
1 Off

2 On



2-3. Operating the lights and wipers

► Type B



1 Off

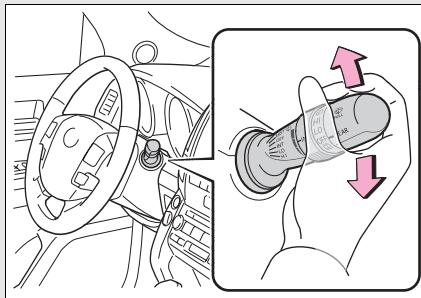
2 On

ITO23C066

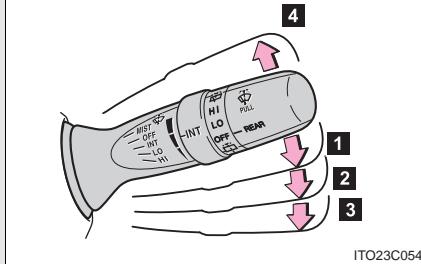
2-3. Operating the lights and wipers

Windshield wipers and washer (Type A)

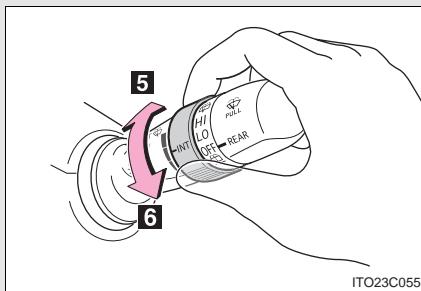
Wiper intervals can be adjusted for intermittent operation (when "INT" is selected).

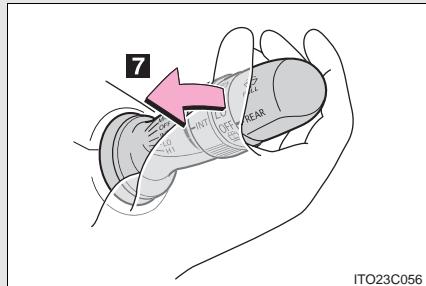


- 1 Intermittent windshield wiper operation
- 2 Low speed windshield wiper operation
- 3 High speed windshield wiper operation
- 4 Temporary operation



- 5 Decreases the intermittent windshield wiper frequency
- 6 Increases the intermittent windshield wiper frequency





7 Washer/wiper dual operation

Wipers operate automatically.

n The windshield wiper and washer can be operated when

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

n 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.

n In extremely hot or cold weather

The system will turn off if the windshield gets extremely hot (at more than 176°F [80°C]) or cold (at less than -14°F [-10°C]).

n Windshield wiper features

The rear window and outside rear view mirror defoggers automatically turn on when you operate the wipers.

n Customization that can be configured at Toyota dealer

Settings (e.g. drip prevention function) can be changed.
(Customizable features →P. 533)



NOTICE

n When the windshield is dry

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

n When there is no washer fluid spray from the nozzle

Damage to the washer fluid pump may be caused if the lever is pulled toward you and held continually.

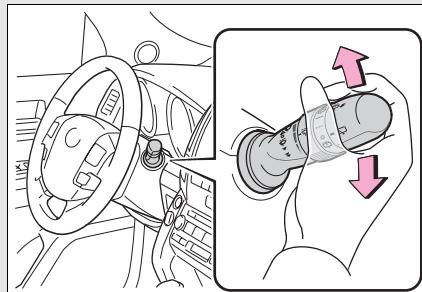
n When a nozzle becomes block

Do not try to clear it with a pin or other object. The nozzle will be damaged.

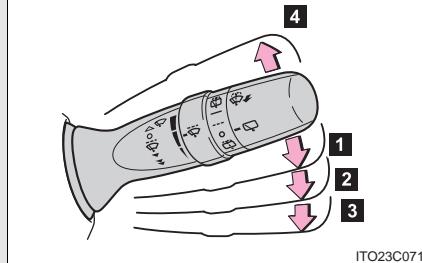
2-3. Operating the lights and wipers

Windshield wipers and washer (Type B)

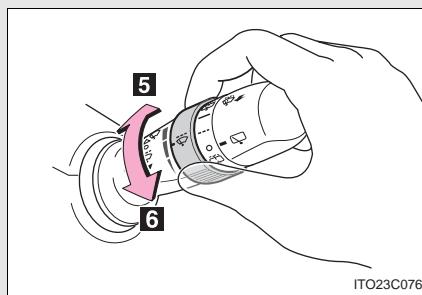
Wiper intervals can be adjusted for intermittent operation (when  is selected).



- 1 Intermittent windshield wiper operation
- 2 Low speed windshield wiper operation
- 3 High speed windshield wiper operation
- 4 Temporary operation

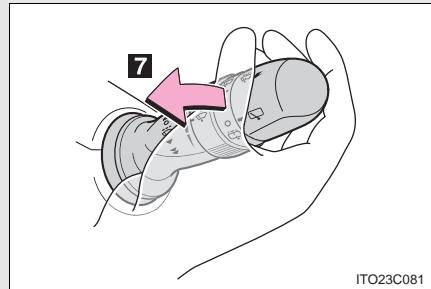


ITO23C071



ITO23C076

- 5 Increases the intermittent windshield wiper frequency
- 6 Decreases the intermittent windshield wiper frequency



7 Washer/wiper dual operation

Wipers operate automatically.

n The windshield wiper and washer can be operated when

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

n 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.

n In extremely hot or cold weather

The system will turn off if the windshield gets extremely hot (at more than 176°F [80°C]) or cold (at less than -14°F [-10°C]).

n Windshield wiper features

The rear window and outside rear view mirror defoggers automatically turn on when you operate the wipers.

n Customization that can be configured at Toyota dealer

Settings (e.g. drip prevention function) can be changed.
(Customizable features →P. 533)



NOTICE

n When the windshield is dry

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

n When there is no washer fluid spray from the nozzle

Damage to the washer fluid pump may be caused if the lever is pulled toward you and held continually.

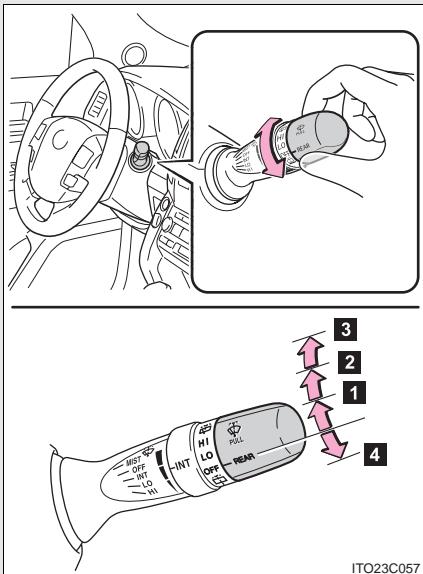
n When a nozzle becomes block

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

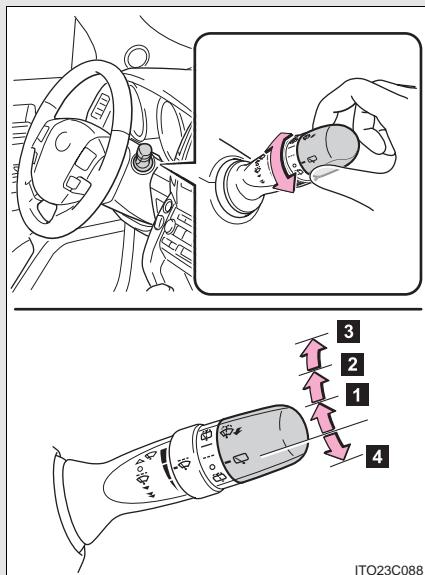
► Type A



- 1 Intermittent window wiper operation
- 2 Normal window wiper operation
- 3 Washer operation
- 4 Washer operation

2-3. Operating the lights and wipers

► Type B



- 1 Intermittent window wiper operation
- 2 Normal window wiper operation
- 3 Washer operation
- 4 Washer operation

n The rear window wiper and washer can be operated when

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



NOTICE

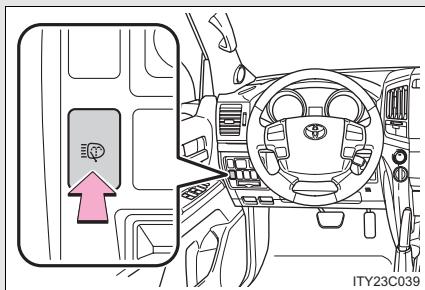
n When the rear window is dry

Do not use the wipers, as they may damage the rear window.

2-3. Operating the lights and wipers

Headlight cleaner switch (if equipped)

Washer fluid can be sprayed on the headlights.



Press the switch to clean the headlights.

n The headlight cleaner can be operated when

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



NOTICE

n When the washer fluid tank is empty

Do not use this function when the washer fluid tank is empty. This may cause the washer fluid pump to overheat.

Off-road precautions

This vehicle belongs to the utility vehicle class, which has higher ground clearance and narrower tread in relation to the height of its center of gravity to make it capable of performing in a wide variety of off-road applications.

Off-road vehicle feature

- 1 Specific design characteristics give it a higher center of gravity than ordinary passenger cars. This vehicle design feature causes this type of vehicle to be more likely to rollover. And, utility vehicles have a significantly higher rollover rate than other types of vehicles.
- 1 An advantage of the higher ground clearance is a better view of the road allowing you to anticipate problems.
- 1 It is not designed for cornering at the same speeds as ordinary passenger cars any more than low-slung sports cars are designed to perform satisfactorily under off-road conditions. Therefore, sharp turns at excessive speeds may cause rollover.

⚠ CAUTION

■ Off-road vehicle precautions

Always observe the following precautions to help minimize the risk of serious personal injury or damage to your vehicle:

- 1 In a rollover crash, an unbelted person is significantly more likely to die than a person wearing a seat belt. Therefore, the driver and all passengers should fasten their seat belts whenever the vehicle is moving.
- 1 Avoid sharp turns or abrupt maneuvers, if at all possible. Failure to operate this vehicle correctly may result in loss of control or vehicle rollover causing death or serious injury.
- 1 Loading cargo on the roof luggage carrier will make the center of the vehicle gravity higher. Avoid high speeds, sudden starts, sharp turns, sudden braking or abrupt maneuvers, otherwise it may result in loss of control or vehicle rollover due to failure to operate this vehicle correctly.
- 1 Always slow down in gusty crosswinds. Because of its profile and higher center of gravity, your vehicle is more sensitive to side winds than an ordinary passenger car. Slowing down will allow you to have better control.
- 1 Do not drive horizontally across steep slopes. Driving straight up or straight down is preferred. Your vehicle (or any similar off-road vehicle) can tip over sideways much more easily than forward or backward.

Off-road driving

When driving your vehicle off-road, please observe the following precautions to ensure your driving enjoyment and to help prevent the closure of areas to off-road vehicles.

- 1 Drive your vehicle only in areas where off-road vehicles are permitted to travel.
- 1 Respect private property. Get owner's permission before entering private property.
- 1 Do not enter areas that are closed. Honor gates, barriers and signs that restrict travel.
- 1 Stay on established roads. When conditions are wet, driving techniques should be changed or travel delayed to prevent damage to roads.

n Additional information for off-road driving

► For owners in U.S. mainland, Hawaii and Puerto Rico:

To obtain additional information pertaining to driving your vehicle off-road, consult the following organizations.

- 1 State and Local Parks and Recreation Departments
- 1 State Motor Vehicle Bureau
- 1 Recreational Vehicle Clubs
- 1 U.S. Forest Service and Bureau of Land Management

⚠ CAUTION

■ Off-road driving precautions

Always observe the following precautions to help minimize the risk of serious personal injury or damage to your vehicle:

- Drive carefully when off the road. Do not take unnecessary risks by driving in dangerous places.
- Do not grip the steering wheel spokes when driving off-road. A bad bump could jerk the wheel and injure your hands. Keep both hands and especially your thumbs on the outside of the rim.
- Always check your brakes for effectiveness immediately after driving in sand, mud, water or snow.
- After driving through tall grass, mud, rock, sand, rivers, etc., check that there is no grass, bush, paper, rags, stone, sand, etc. adhering or trapped on the underbody. Clear off any such matter from the underbody. If the vehicle is used with these materials trapped or adhering to the underbody, a breakdown or fire could occur.
- When driving off-road or in rugged terrain, do not drive at excessive speeds, jump, make sharp turns, strike objects, etc. This may cause loss of control or vehicle rollover causing death or serious injury. You are also risking expensive damage to your vehicle's suspension and chassis.

NOTICE

n To prevent the water damage

Take all necessary safety measures to ensure that water damage to the engine or other components does not occur.

- 1 Water entering the engine air intake will cause severe engine damage.
- 1 Water entering the automatic transmission will cause deterioration in shift quality, locking up of your transmission accompanied by vibration, and ultimately damage.
- 1 Water can wash the grease from wheel bearings, causing rusting and premature failure, and may also enter the differentials, transmission and transfer case, reducing the gear oil's lubricating qualities.

n When you drive through water

If driving through water, such as when crossing shallow streams, first check the depth of the water and the bottom of the river bed for firmness. Drive slowly and avoid deep water.

n Inspection after off-road driving

- 1 Sand and mud that has accumulated in brake drums and around brake discs may affect braking efficiency and may damage brake system components.
- 1 Always perform a maintenance inspection after each day of off-road driving that has taken you through rough terrain, sand, mud, or water. For scheduled maintenance information, refer to the "Scheduled Maintenance Guide" or "Owner's Manual Supplement".

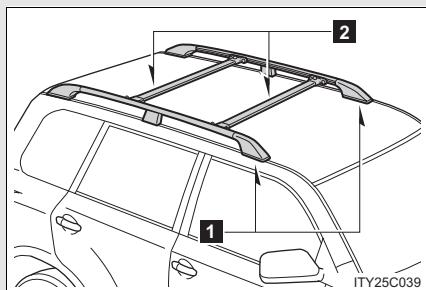
2-5. Driving information

Cargo and luggage

Take notice of the following information about storage precautions, cargo capacity and load.

- 1 Stow cargo and luggage in the luggage compartment whenever possible. Be sure all items are secured in place.
- 1 Be careful to keep the vehicle level. Placing the weight as far forward as possible helps maintain vehicle balance.
- 1 For better fuel economy, do not carry unnecessary weight.

n Roof luggage carrier

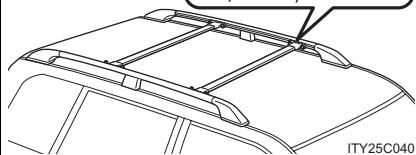
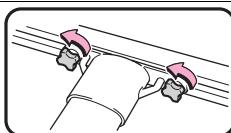


1 Roof rails

2 Cross rails

Adjusting the position of cross rails

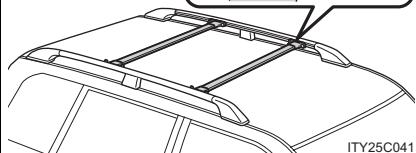
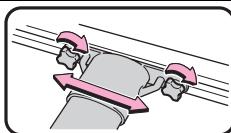
STEP 1



ITY25C040

Turn the knobs counterclockwise to release the cross rails.

STEP 2



ITY25C041

Slide the cross rails to the appropriate position for loading luggage and turn the knobs clockwise to tighten the cross rails securely.

Capacity and distribution

Cargo capacity depends on the total weight of the occupants.

(Cargo capacity) = (Total load capacity) — (Total weight of occupants)

Steps for Determining Correct Load Limit—

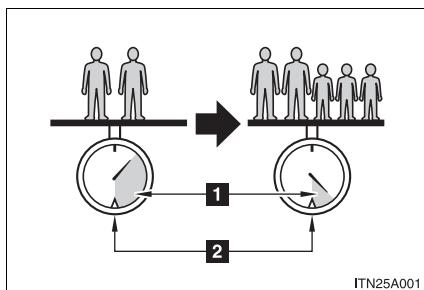
- (1) Locate the statement “The combined weight of occupants and cargo should never exceed XXX kg or XXX lbs.” on your vehicle’s placard.
- (2) Determine the combined weight of the driver and passengers that will be riding in your vehicle.
- (3) Subtract the combined weight of the driver and passengers from XXX kg or XXX lbs.
- (4) The resulting figure equals the available amount of cargo and luggage load capacity.

For example, if the “XXX” amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400 - 750 (5 × 150) = 650 lbs.)

- (5) Determine the combined weight of luggage and cargo being loaded on the vehicle.

That weight may not safely exceed the available cargo and luggage load capacity calculated in Step 4.

- (6) If your vehicle will be towing a trailer, load from your trailer will be transferred to your vehicle. Consult this manual to determine how this reduces the available cargo and luggage load capacity of your vehicle. (→P. 232)

Example on your vehicle

- 1 Cargo capacity
- 2 Total load capacity

When 2 people with the combined weight of 366 lb. (166 kg) are riding in your vehicle, which has a total load capacity of 1235 lb. (560 kg), the available amount of cargo and luggage load capacity will be as follows:

$$1235 \text{ lb.} - 366 \text{ lb.} = 869 \text{ lb.} (560 \text{ kg} - 166 \text{ kg} = 394 \text{ kg})$$

In this condition, if 3 more passengers with the combined weight of 388 lb. (176 kg) get on, the available cargo and luggage load will be reduced as follows:

$$869 \text{ lb.} - 388 \text{ lb.} = 481 \text{ lb.} (394 \text{ kg} - 176 \text{ kg} = 218 \text{ kg})$$

As shown in the above example, if the number of occupants increases, the cargo and luggage load equaling the combined weight of the occupants who got on later, by an amount. In other words, if an increase in the number of occupants causes an excess of the total load capacity (combined weight of occupants plus cargo and luggage load), you must reduce the cargo and luggage on your vehicle.

⚠ CAUTION

Things that must not be carried in the luggage compartment

The following things may cause a fire if loaded in the luggage compartment.

- 1 Receptacles containing gasoline
- 1 Aerosol cans

Storage precautions

- 1 Do not stack anything in the luggage compartment higher than the seatbacks.

Such items may be thrown about and possibly injure people in the vehicle during sudden braking or in an accident.

- 1 Do not place cargo or luggage in or on the following locations as the item may get under the brake or accelerator pedal and prevent the pedals from being depressed properly, block the driver's vision, or hit the driver or passengers, causing an accident.

- Feet of the driver
- Front passenger or rear seats (when stacking items)
- Instrument panel
- Dashboard
- Auxiliary box or tray that has no lid

- 1 Secure all items in the occupant compartment, as they may shift and injure someone during an accident or sudden braking.

- 1 Never allow anyone to ride in the luggage compartment. It is not designed for passengers. They should ride in their seats with their seat belts properly fastened. Otherwise, they are much more likely to suffer death or serious injury, in the event of sudden braking or a collision.

CAUTION

n Weight of the load

- 1 Do not exceed the maximum axle weight rating or the total vehicle weight rating.
- 1 Even if the total load of occupant's weight and the cargo load is less than the total load capacity, do not apply the load unevenly. Improper loading may cause deterioration of steering or braking control which may cause death or serious injury.

n Roof luggage carrier precautions

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.

When you load cargo on the roof luggage carrier, observe the following:

- 1 Place the cargo so that its weight is distributed evenly between the front and rear axles.
- 1 If loading long or wide cargo, never exceed the vehicle overall length or width. (→P. 430)
- 1 Before driving, make sure the cargo is securely fastened on the roof luggage carrier.
- 1 Loading cargo on the roof luggage carrier will make the center of the vehicle gravity higher. Avoid high speeds, sudden starts, sharp turns, sudden braking or abrupt maneuvers, otherwise it may result in loss of control or vehicle rollover due to failure to operate this vehicle correctly.
- 1 If driving for a long distance, on rough roads, or at high speeds, stop the vehicle now and then during the trip to make sure the cargo remains in its place.
- 1 Do not exceed 154 lb. (70 kg) cargo weight on the roof luggage carrier.

CAUTION

n Cross rail adjustment

Make sure the cross rails are locked securely by pushing forward and rearward them.

Failure to do so may cause an accident or severe injury in the event of emergency braking or a collision.

NOTICE

n Cross rail adjustment

Do not remove the cross rail stoppers, or the moon roof may be damage when it is tilted.

n When loading the luggage

Be careful not to scratch the surface of the moon roof.

2-5. Driving information

Vehicle load limits

Vehicle load limits include total load capacity, seating capacity, towing capacity and cargo capacity.

n Total load capacity: 1235 lb. (560 kg)

Total load capacity means the combined weight of occupants, cargo and luggage.

n Seating capacity: 8 occupants (Front 2, Rear 6)

Seating capacity means the maximum number of occupants whose estimated average weight is 150 lb. (68 kg) per person.

Even if the number of occupants are within the seating capacity, do not exceed the total load capacity.

n Towing capacity: 8500 lb. (3855 kg)

Towing capacity means the maximum gross trailer weight (trailer weight plus its cargo weight) that your vehicle is able to tow.

n Cargo capacity

Cargo capacity may increase or decrease depending on the weight and the number of occupants.

n Total load capacity and seating capacity

These details are also described on the tire and loading information label. (→P. 414)

CAUTION

n Overloading the vehicle

Do not overload the vehicle.

It may not only cause damage to the tires, but also degrade steering and braking ability, resulting in an accident.

2-5. Driving information

Winter driving tips

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.

n Pre-winter preparations

- 1 Use fluids that are appropriate to the prevailing outside temperatures.
 - Engine oil
 - Engine coolant
 - Washer fluid
- 1 Have a service technician inspect the level and specific gravity of battery electrolyte.
- 1 Have the vehicle fitted with four snow tires or purchase a set of tire chains for the rear tires.
Ensure that all tires are the same size and brand, and that chains match the size of the tires.

n Before driving the vehicle

Perform the following according to the driving conditions.

- 1 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.
- 1 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.
- 1 Remove any ice that has accumulated on the vehicle chassis.
- 1 Periodically check for and remove any excess ice or snow that may have accumulated in the wheel well or on the brakes.

n When driving the vehicle

Accelerate the vehicle slowly and drive at a reduced speed suitable to road conditions.

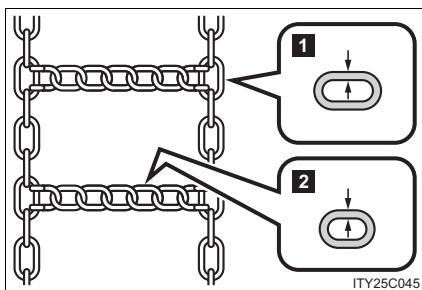
n When parking the vehicle

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.

Selection tire chains

Use the correct tire chain size when mounting the snow chains.

Chain size is regulated for each tire size.



- 1 Side chain
(0.20 in. [5 mm] in diameter)
- 2 Cross chain
(0.25 in. [6.3 mm] in diameter)

Regulations on the use of tire chains

- 1 Regulations regarding the use of tire chains vary according to location and type of road. Always check local regulations before installing chains.
- 1 Retighten the chains after driving 1/4 - 1/2 mile (0.5 - 1.0 km).

n Tire chains

Observe the following precautions when installing and removing chains.

- 1 Install and remove tire chains in a safe location.
- 1 Install tire chains on the rear tires.
- 1 Install tire chains following the instructions provided in the accompanying manual.

CAUTION

n Driving with snow tires

Observe the following precautions to reduce the risk of accidents.

Failing to do so may result in a loss of vehicle control and cause death or serious injury.

- 1 Use tires of the size specified for your vehicle.
- 1 Maintain the recommended level of tire inflation pressure.
- 1 Do not drive in excess of 75 mph (120 km/h), regardless of the type of snow tires being used.
- 1 Snow tires should be installed on all wheels.

n Driving with tire chains

Observe the following precautions to reduce the risk of accidents.

Failing to do so may result in the vehicle being unable to be driven safely, and may cause death or serious injury.

- 1 Do not drive in excess of the speed limit specified for the tire chains being used, or 30 mph (50 km/h), whichever is lower.
- 1 Avoid driving on bumpy road surfaces or over potholes.
- 1 Avoid sudden turns and braking, as use of chains may adversely affect vehicle handling.
- 1 Slow down sufficiently before entering a curve to ensure that vehicle control is maintained.



NOTICE

■ Repairing or replacing snow tires

Request repairs of and obtain replacement snow tires from Toyota dealers or legitimate tire retailers.

This is because the removal and attachment of snow tires affects the operation of the tire pressure warning valves and transmitters.

■ Fitting tire chains

The tire pressure warning valves and transmitters may not function correctly when tire chains are fitted.

Trailer towing

Your vehicle is designed primarily as a passenger-and-load carrying vehicle. Towing a trailer will have an adverse effect on handling, performance, braking, durability, and fuel consumption. 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.

The vehicle stability and braking performance are affected by trailer stability, brake setting and performance, and the hitch.

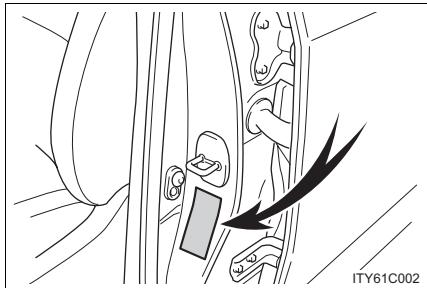
Toyota warranties do not apply to damage or malfunction caused by towing a trailer for commercial purposes.

Contact your Toyota dealer for further information about additional requirements such as a towing kits, etc.

Weight limits

Confirm that the gross trailer weight, gross combined weight, gross vehicle weight, gross axle weight and trailer tongue load are all within the limits.

- 1 The gross trailer weight must never exceed 8500 lb. (3856 kg).
- 1 The gross combined weight must never exceed 14550 lb. (6600 kg).



- 1 The gross vehicle weight must never exceed the GVWR indicated the Certification Label.
- 1 The gross axle weight on each axle must never exceed the GAWR indicated the Certification Label.

Towing related term

Towing related term	Meaning
GVWR (Gross Vehicle Weight Rating)	The maximum allowable gross vehicle weight. The gross vehicle weight is the total weight of the vehicle. When towing a trailer, it is the sum of the vehicle weight (including the occupants, cargo and any optional equipment installed on the vehicle) and the tongue load.
GAWR (Gross Axle Weight Rating)	The maximum allowable gross axle weight. The gross axle weight is the load placed on each axle (front and rear).
GCWR (Gross Combination Weight Rating)	The maximum allowable gross combination weight. The gross combination weight is the sum of the total vehicle weight (including the occupants, cargo and any optional equipment installed on the vehicle) and the weight of the trailer being towed (including the cargo in the trailer).
Gross trailer weight	The sum of the trailer weight and the weight of the cargo in the trailer.
Towing capacity	The maximum allowable gross trailer weight. Towing capacity is calculated considering base vehicle with necessary vehicle equipment and occupants. Additional optional equipment, passengers and cargo in the vehicle will reduce the towing capacity, gross trailer weight includes the trailer, cargo and necessary equipment for towing.
Tongue load	The load placed on the trailer hitch ball.

Trailer tongue load

1 A recommended tongue load varies in accordance with the types of trailers or towing as described below.

1 In order to ensure the recommended values shown below, the trailer must be loaded by referring to the following instructions.

The trailer cargo load should be distributed so that the tongue load is 9 to 11 %.

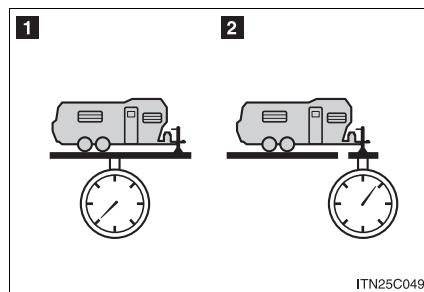
(Tongue load / Gross trailer weight $\times 100 = 9$ to 11 %)

If the gross trailer weight is over 2000 lbs. (900 kg), it is necessary to use a sway control device with sufficient capacity.

If the gross trailer weight is over 5000 lbs. (2268 kg), it is necessary to use a weight distributing hitch with sufficient capacity.

If using a weight distributing hitch when towing, keep your vehicle level with the ground.

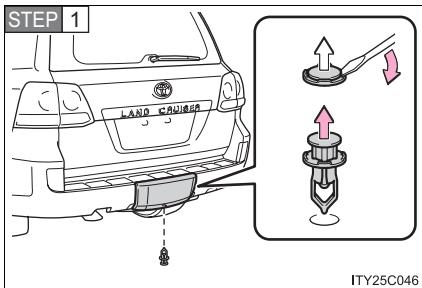
The gross trailer weight and tongue load can be measured with platform scales found at a highway weighing station, building supply company, trucking company, junk yard, etc.



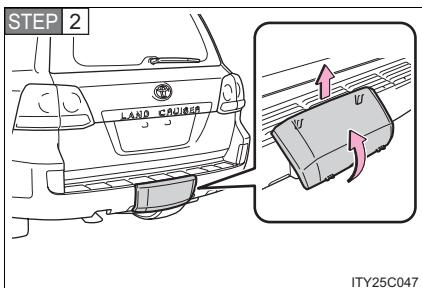
1 Gross trailer weight

2 Tongue load

Removing hitch cover



Remove the clip.

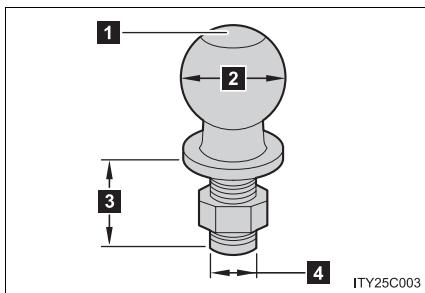


Grasp the lower edge of the hitch cover and raise the cover.

When reattaching the cover, reverse the steps listed.

Selecting trailer ball

Use the correct trailer ball for your application.



1 Trailer ball load rating

Matches or exceeds the gross trailer weight rating of the trailer.

2 Ball diameter

Matches the size of the trailer coupler. Most couplers are stamped with the required trailer ball size.

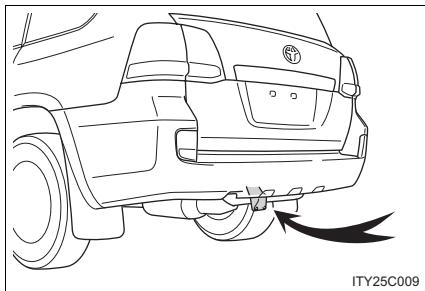
3 Shank length

Protrudes beyond the bottom of the lock washer and nut at least 2 threads.

4 Shank diameter

Matches the ball mount hole diameter size.

Connecting trailer lights



Use the wire harness stored in the rear end under body.

Trailer towing tips

Your vehicle will handle differently when towing a trailer. The 3 main causes of vehicle-trailer accidents are driver error, excessive speed and improper trailer loading. Keep the following in mind when towing.

- 1 Before starting out, check the trailer lights and the vehicle-trailer connections. Recheck after driving a short distance.
- 1 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.
- 1 Reversing with a trailer attached is difficult and requires practice. Grip the bottom of the steering wheel and move your hand to the left to move the trailer to the left. Move your hand to the right to move the trailer to right. (This is generally opposite to reversing without a trailer attached.) Avoid sharp or prolonged turning. Have someone guide you when reversing to reduce the risk of an accident.
- 1 As stopping distance is increased when towing a trailer, vehicle-to vehicle distance should be increased. For each 10 mph (16 km/h) of speed, allow at least one vehicle and trailer length.
- 1 Avoid sudden braking as you may skid, resulting in jackknifing and loss of control. This is especially true on wet or slippery surfaces.
- 1 Avoid jerky starts or sudden acceleration.
- 1 Avoid jerky steering and sharp turns, and slow down before making turns.

- 1 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.
- 1 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 will stabilize.
- 1 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.
- 1 In order to maintain engine braking efficiency when driving on a long steep downgrade, do not use overdrive. Transmission shift range position must be in "4", in "S" mode.
- 1 Due to the added load of the trailer, your vehicle's engine may overheat on hot days (at temperatures over 85°F [30°C] 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. 501)

1 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.

1 When restarting after parking on a slope:

STEP 1 With the transmission in the “P” position, start the engine. Be sure to keep the brake pedal pressed.

STEP 2 Shift into “3”, “2”, “1”, or “R” position (if reversing).

STEP 3 Release the parking brake and brake pedal, and slowly pull or back away from the wheel blocks. Stop and apply the brakes.

STEP 4 Have someone retrieve the blocks.

n **Before towing**

Check that the following conditions are met:

- 1 The vehicle's tires are properly inflated.
- 1 Trailer tires are inflated according to the trailer manufacturer's recommendation.
- 1 All trailer lights work.
- 1 All lights work each time you connect them.
- 1 The trailer ball is set up at the proper height for the coupler on the trailer.
- 1 The vehicle remains level when a loaded or unloaded trailer is hitched. Do not drive if the vehicle is not level, and check for improper tongue load, overloading, worn suspension, or other possible causes.
- 1 The trailer cargo is securely loaded.
- 1 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.

n **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 500 miles (800 km) of driving.

n **Maintenance**

- 1 If you tow a trailer, your vehicle will require more frequent maintenance due to the additional load. (See "Scheduled Maintenance Guide" or "Owner's Manual Supplement".)
- 1 Retighten the fixing bolts of the towing ball after approximately 600 miles (1000 km) of trailer towing.

CAUTION

n **Trailer towing precautions**

- 1 Follow all the instructions described in this section. Failure to do so could cause an accident resulting in death or serious injury.
- 1 Exceeding the towing capacity, GVWR, GCWR and GAWR can cause an accident resulting in death or serious personal injuries.

n **To avoid accident or injury**

- 1 Do not exceed 45 mph (72 km/h) or the posted towing speed limit, whichever is lower. As instability (swaying) of the towing vehicle-trailer combination increases as speed increases, exceeding 45 mph (72 km/h) may cause loss of control.
- 1 Slow down and downshift before descending steep or long downhill grades. Do not make sudden downshifts.
- 1 Avoid holding the brake pedal down too long or applying the brakes too frequently. This could cause the brakes to overheat and result in reduced braking efficiency.
- 1 Do not exceed the trailer hitch assembly weight, gross vehicle weight, gross axle weight and trailer tongue load capacities.
- 1 Never load more weight in the back than in the front of the trailer. About 60% of the load should be in the front half of the trailer, and the remaining 40% in the rear.
- 1 Do not use cruise control when you are towing.

⚠ CAUTION

■ Hitches

- 1 Lubricate the hitch ball with a light coat of grease.
- 1 If using a weight distributing hitch when towing, keep your vehicle level with the ground.

■ When towing a trailer

- 1 If the gross trailer weight exceeds 1000 lb. (453 kg), trailer brakes are required. Toyota recommends trailers with brakes that conform to all applicable federal and state/provincial regulations.
- 1 Never tap into your vehicle's hydraulic system, as this will lower the vehicle's braking effectiveness.
- 1 Never tow a trailer without using a safety chain securely attached to both the trailer and the vehicle. If damage occurs to the coupling unit or hitch ball, there is danger of the trailer wandering into another lane.

⚠ NOTICE

■ When installing a trailer hitch

- 1 Use only the position recommended by your Toyota dealer. Do not install the trailer hitch on the bumper; this may cause body damage.
- 1 Do not use axle-mounted hitches, as they can cause damage to the axle housing, wheel bearings, wheels or tires.

■ Safety chain

A safety chain must always be used between the towing vehicle and the trailer. Leave sufficient slack in the chain for turns. The chain should cross under the trailer tongue to prevent the tongue from dropping to the ground in the case that it becomes damaged or separated. For the correct safety chain installation procedure, ask your Toyota dealer.

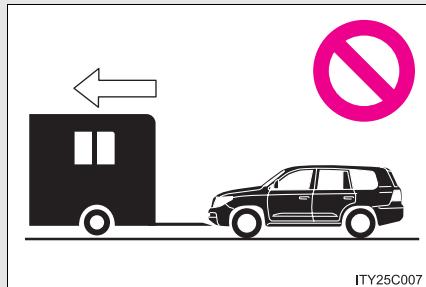
■ Do not directly splice trailer lights

Directly splicing trailer lights may damage your vehicle's electrical system and cause a malfunction.

2-5. Driving information

Dinghy towing

Your vehicle is not designed to be dinghy towed (with 4 wheels on the ground) behind a motor home.



NOTICE

To avoid serious damage to your vehicle

Do not tow your vehicle with four wheels on the ground.

3-1. Using the air conditioning system and defogger

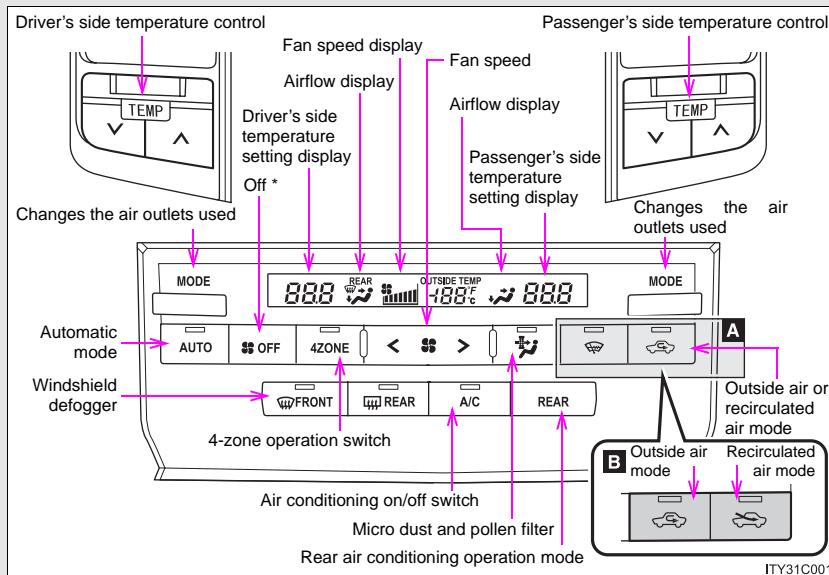
Front air conditioning system

Airflow and outlets are automatically adjusted according to the temperature setting.

► With navigation system

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

► Without navigation system



A Vehicles with windshield wiper de-icer

B Vehicles without windshield wiper de-icer

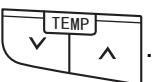
*: The front air conditioning system cannot be switched off while the cool box is on. (→P. 349)

Using the automatic mode

STEP 1 Press .

The air conditioning system will begin to operate. Air outlets and fan speed are automatically adjusted according to the temperature setting.

STEP 2 Press “ \wedge ” to increase the temperature and “ \vee ” to decrease the

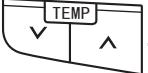
temperature on .

The temperature for the driver's and front passenger's seats can be set separately.

Adjusting the settings

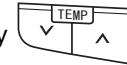
Adjusting the temperature setting

Press “ \wedge ” to increase the temperature and “ \vee ” to decrease the tem-

perature on .

The air conditioning system switches between individual and simultaneous modes each time  is pressed.

Individual mode (the indicator on  is on.): The temperature for the driver's, front passenger's and rear seats (→P. 259) can be set separately. Operating the passenger's side or rear temperature control will enter individual mode.

Simultaneous mode (the indicator on  is off.): Only  (driver's side) can be used to adjust the temperature for all seats.

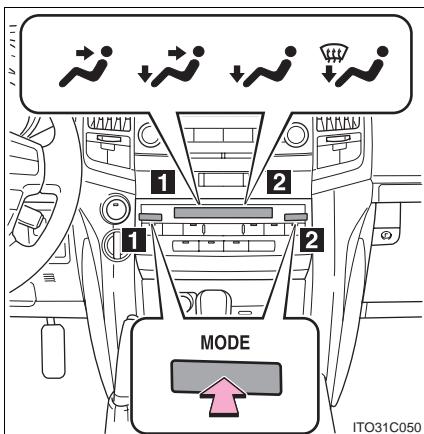
Adjusting the fan speed

Press “ $>$ ” (increase) or “ $<$ ” (decrease) on .

The fan speed is shown on the display. (7 levels)

Press  to turn the fan off.

n Changing the air outlets



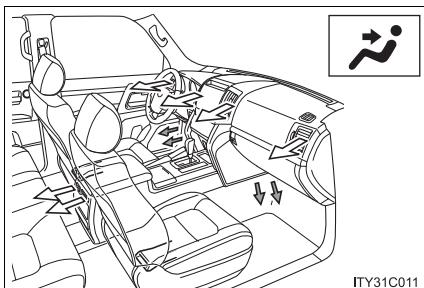
Press **MODE**.

- 1 For driver's seat
- 2 For front passenger's seat

The air outlets switch each time the button is pressed.

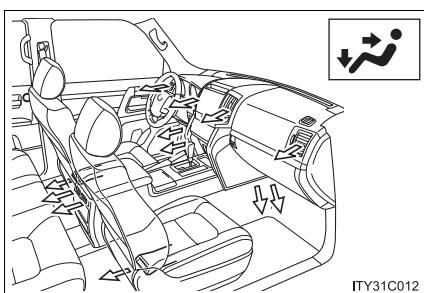
Different air outlets for the driver's and front passenger's seats can be chosen.

*:Driver side only



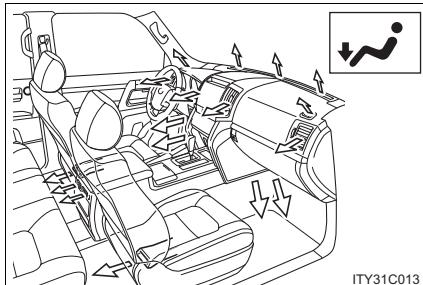
Air flows to the upper body.

← : Only in the automatic mode

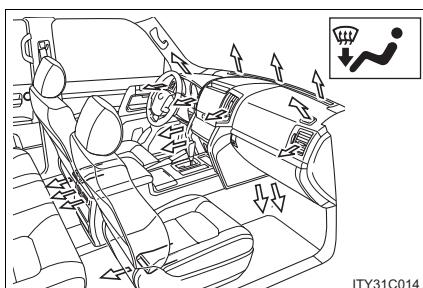


Air flows to the upper body and feet.

3-1. Using the air conditioning system and defogger



Air flows to the feet.



Air flows to the feet and the windshield defogger operates.

n Switching between outside air and recirculated air modes

► Vehicles with windshield wiper de-icer

Press

The mode switches between outside air mode (indicator off) and recirculated air mode (indicator on) each time the button is pressed.

► Vehicles without windshield wiper de-icer

Press

to switch to recirculated air mode and press

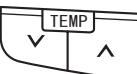
to switch to outside air mode.

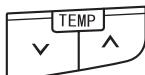
Changing the rear seat settings from the front seat

n Adjusting the temperature setting

STEP 1 Press  .

STEP 2 Press “ \wedge ” to increase the temperature and “ \vee ” to decrease the

temperature on  (for left-hand rear seat) and

 (for right-hand rear seat).

The temperature for the right-hand and left-hand rear seats can be adjusted separately. Operating the switch will enter individual mode.

The air conditioning system switches between individual and simultaneous modes each time  is pressed.

n Adjusting the fan speed

STEP 1 Press  .

STEP 2 Press “ $>$ ” (increase) or “ $<$ ” (decrease) on  .

The fan speed is shown on the display. (7 levels)

Press  to turn the fan off.

3-1. Using the air conditioning system and defogger

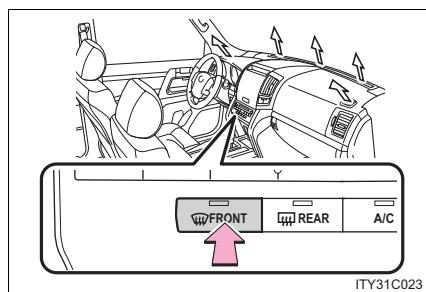
n Changing the air outlets

STEP 1 Press  .

STEP 2 Press  .

The air outlets switch each time the button is pressed. (→P. 257)

Defogging the windshield



Press  .

The air conditioning system control operates automatically.

Recirculated air mode will automatically switch to outside air mode.

Micro dust and pollen filter

Press  .

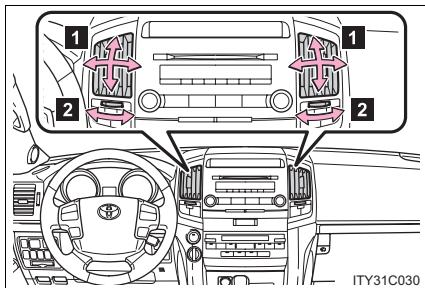
Outside air mode switches to recirculated air mode. Pollen is removed from the air and the air flows to the upper part of the body.

Usually the system will turn off automatically approximately 3 minutes later.

To stop the operation, press  again.

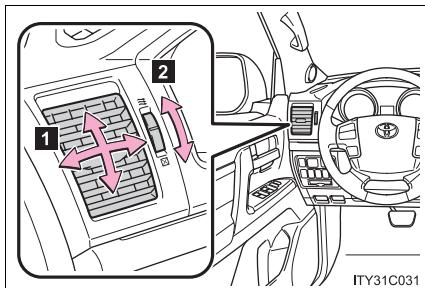
Adjusting the position and opening and closing the air outlets

► Front center outlets



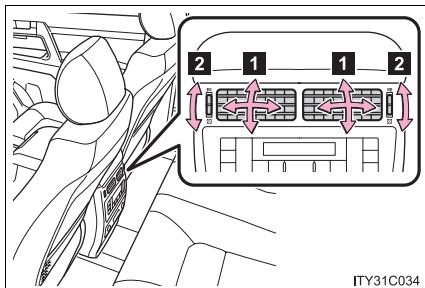
- 1 Direct air flow to the left or right, up or down.
- 2 Turn the knob to open or close the vent.

► Front side outlets



- 1 Direct air flow to the left or right, up or down.
- 2 Turn the knob to open or close the vent.

► Rear center outlets



- 1 Direct air flow to the left or right, up or down.
- 2 Turn the knob to open or close the vent.

n Using the automatic mode

Fan speed is adjusted automatically in accordance with the temperature setting and ambient conditions. As a result, the following may occur.

- 1 The system may switch automatically to recirculated air mode when the coolest temperature setting is selected in summer.
- 1 Immediately after  is pressed, the fan may stop for a while until warm or cool air is ready to flow.
- 1 Cool air may flow to the area around the upper body when the heater is on.

n Using the system in recirculated air mode

The windows will fog up more easily if the recirculated air mode is used for an extended period.

n Window defogger feature

Recirculated air mode may automatically switch to outside air mode in situations where the windows need to be defogged.

n When outside temperature approaches 32°F (0°C).

The air conditioning system may not operate even when  is pressed.

n Micro dust and pollen filter

- 1 In order to prevent the windows from fogging up when the outside air is cold, the following may occur.
 - Outside air mode does not switch to recirculated air mode.
 - The air conditioning system operates automatically.
 - The operation cancels after 1 minute.

- 1 In rainy weather, the windows may fog up. press .

⚠ CAUTION**n 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.

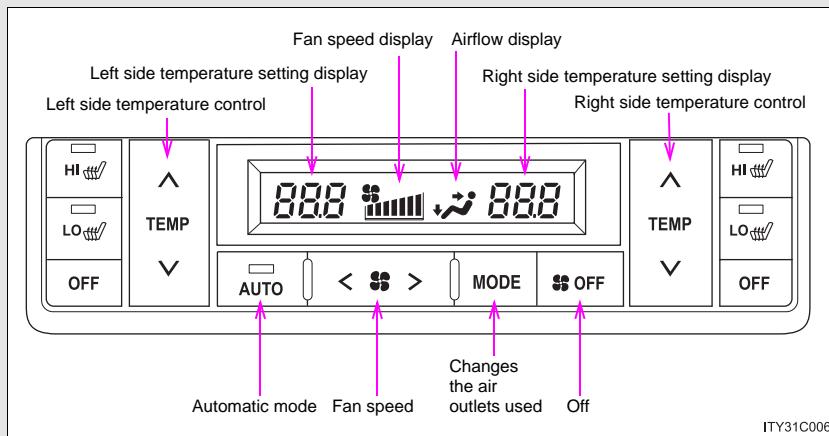
⚠ NOTICE**n To prevent battery discharge**

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

Airflow and outlets are automatically adjusted according to the temperature setting.

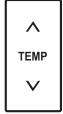


Using the automatic mode

STEP 1 Press .

The air conditioning system will begin to operate. Air outlets and fan speed are automatically adjusted according to the temperature setting.

STEP 2 Press “ \wedge ” to increase the temperature and “ \vee ” to decrease the

temperature on .

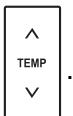
The temperature for the right-hand and left-hand rear seats can be set separately.

Adjusting the settings

Adjusting the temperature setting

Press “ \wedge ” to increase the temperature and “ \vee ” to decrease the tem-

perature on



The temperature for the right-hand and left-hand rear seats can be set separately.

Adjusting the fan speed

Press “ $>$ ” (increase) or “ $<$ ” (decrease) on .

The fan speed is shown on the display. (7 levels)

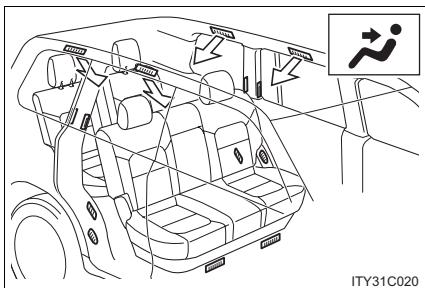
Press  to turn the fan off.

Changing the air outlets

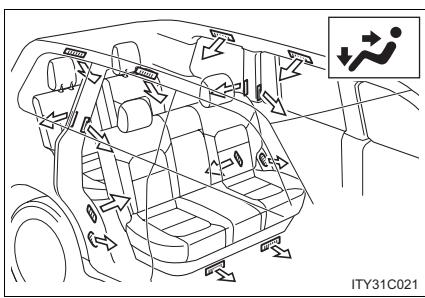
Press .

The air outlets switch each time the button is pressed.

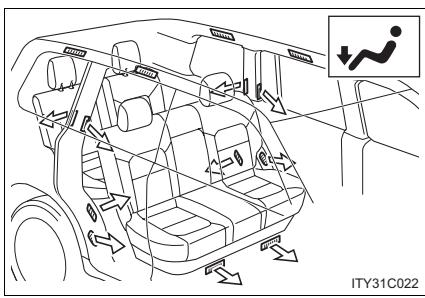
3-1. Using the air conditioning system and defogger



Air flows to the upper body.



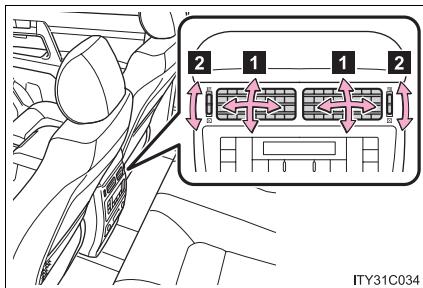
Air flows to the upper body and feet.



Air flows to the feet.

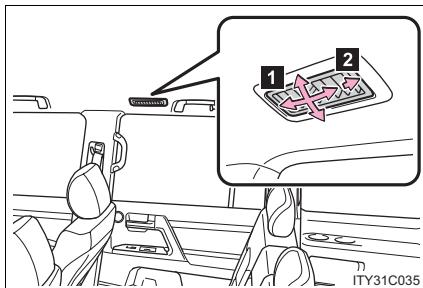
Adjusting the position and opening and closing the air outlets

► Rear center outlets



- 1 Direct air flow to the left or right, up or down.
- 2 Turn the knob to open or close the vent.

► Roof side outlets



- 1 Direct air flow to the left or right, up or down.
- 2 Turn the knob fully to the back of the vehicle to close the vent.

⚠ NOTICE

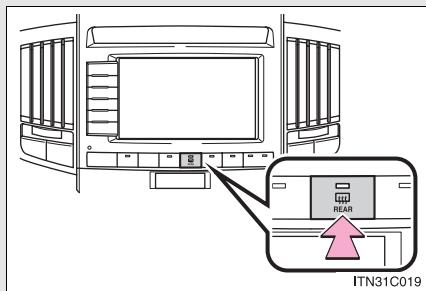
■ To prevent battery discharge

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 window and outside rear view mirror defoggers

These features are used to defog the rear window, and to remove raindrops, dew and frost from the outside rear view mirrors.

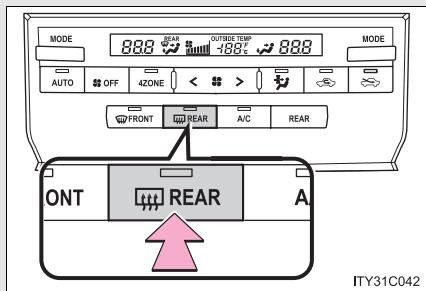
► With navigation system



On/off

The defoggers will automatically turn off after 15 to 225 minutes. The operation time changes according to the ambient temperature and vehicle speed. Pressing the switch again also turns the defoggers off.

► Without navigation system



■ The rear window and outside rear view mirror defoggers can be operated when

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

CAUTION

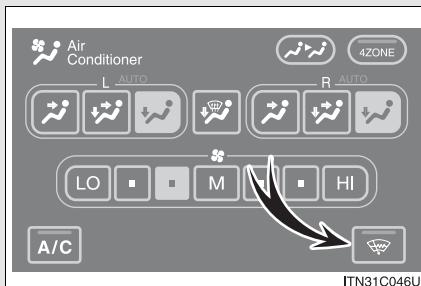
■ When the outside rear view mirror defoggers are on

Do not touch the rear view mirror surfaces, as they can become very hot and burn you.

3-1. Using the air conditioning system and defogger Windshield wiper de-icer

This feature is used to prevent ice from building up on the windshield and wiper blades.

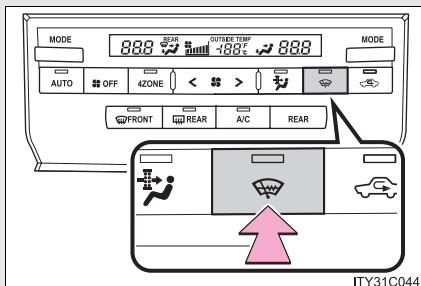
► With navigation system



On/off

The windshield wiper de-icer will automatically turn off after approximately 15 minutes. Pressing the switch again also turns the de-icer off.

► Without navigation system



n The windshield wiper de-icer can be operated when

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

CAUTION

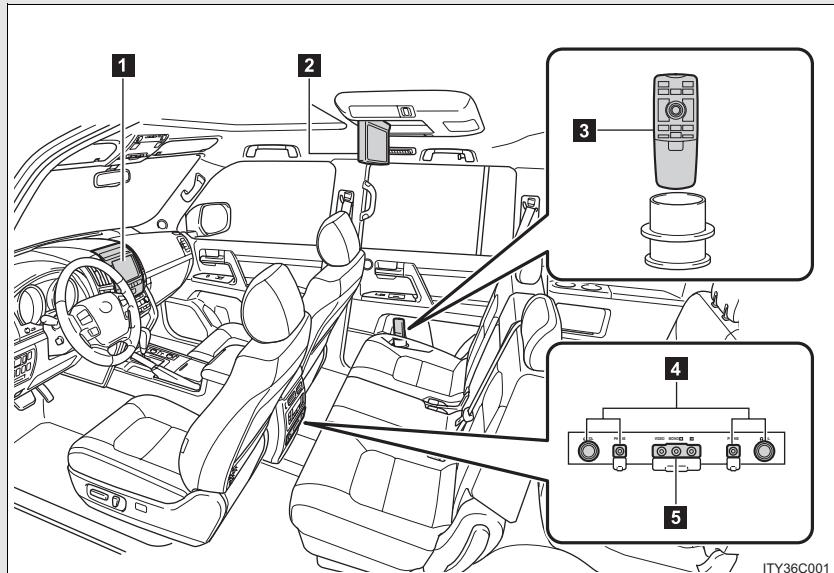
n When the windshield wiper de-icer is on

Do not touch the glass at the lower part of the windshield or to the side of the front pillars as the surfaces can become very hot and burn you.

3-3. Using the rear seat entertainment system

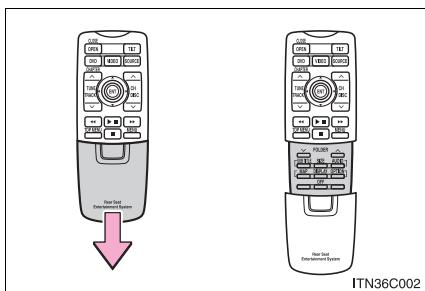
Rear seat entertainment system features (if equipped)

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



- 1** Front audio system
- 2** Display
- 3** Rear seat entertainment system controller
- 4** Headphone volume control knobs and headphone jacks
- 5** A/V input adapter

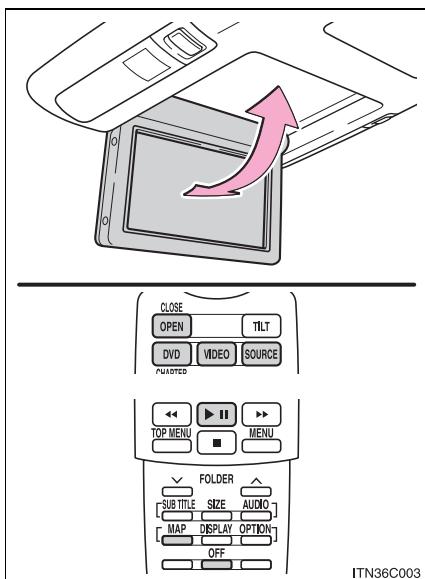
Rear seat entertainment system controller



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

Opening and closing the display

n Opening and closing the display



1 Open

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

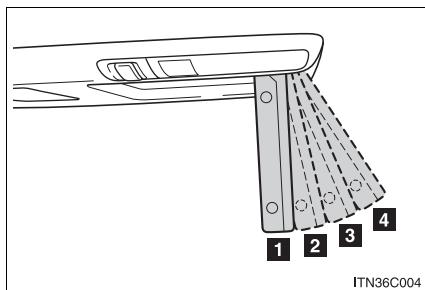
1 Close

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

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

Opening and closing operations can be performed from the front seat.
 (→"Navigation System Owner's Manual")

n Tilting the display



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

1 → **2** → **3** → **4** → **1**

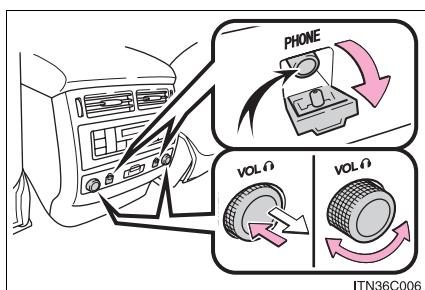
The display angle is memorized and will be recalled when the "ENGINE START STOP" switch is turned to ACCESSORY or IGNITION ON mode again.

n Caution screen



This screen appears for a few seconds when the rear display is opened. During this time, only **CLOSE** and **OPEN** can be operated.

Headphone jacks



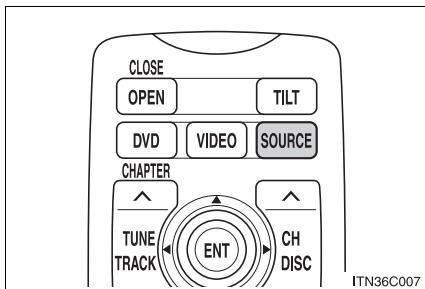
To listen to the rear audio, use headphones.

1 To use the headphones
Connect them to the jack.

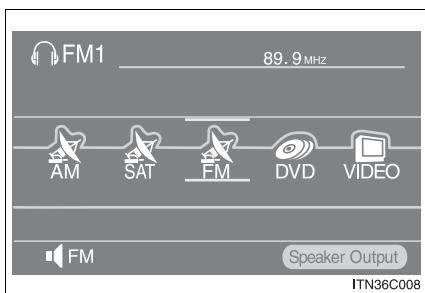
2 To adjust the volume

Turn the knob clockwise to increase the volume. Turn the knob counterclockwise to decrease the volume.

Changing the source

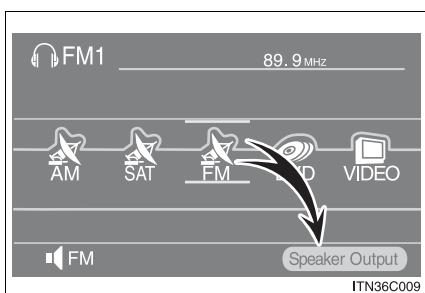


Press **SOURCE** to display the audio source selection screen.



Select an audio source.

Changing the speaker output



To play the rear audio over the speakers in the vehicle, turn

Speaker Output on.

n The rear seat entertainment system can be used when

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

n Jam protection function

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

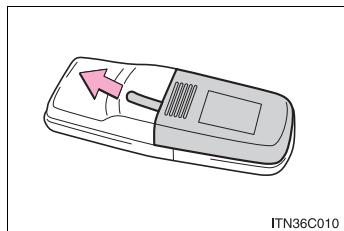
n When  appears on the screen

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

n Rear system lock

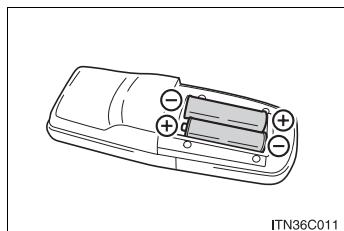
→"Navigation System Owner's Manual"

n Before using the controller (for new vehicle owners)



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

n When the controller batteries are fully depleted



Remove the depleted batteries and install new batteries.

n Headphones

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

Contact your Toyota dealer for further details.

n Volume

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

⚠ CAUTION**n When the rear seat entertainment system is not used**

Keep the display closed.

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

n To prevent accidents and electric shock

Do not disassemble or modify the remote control.

n When the remote controller is not used

Stow the remote controller.

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

n Closing the display

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

NOTICE

n 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.

n To prevent damage to the remote control

1 Keep the remote control away from direct sunlight, high temperature and high humidity.

1 Do not drop or knock the remote control against hard objects.

1 Do not sit on or place heavy objects on the remote control.

n DVD player

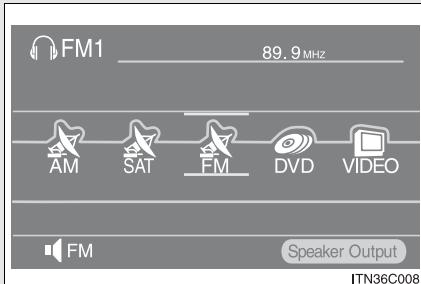
Never try to disassemble or oil any part of the DVD player. Do not insert anything other than a disc into the slot.

n Closing the display

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

3-3. Using the rear seat entertainment system

Using the radio



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

Selecting a preset station

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

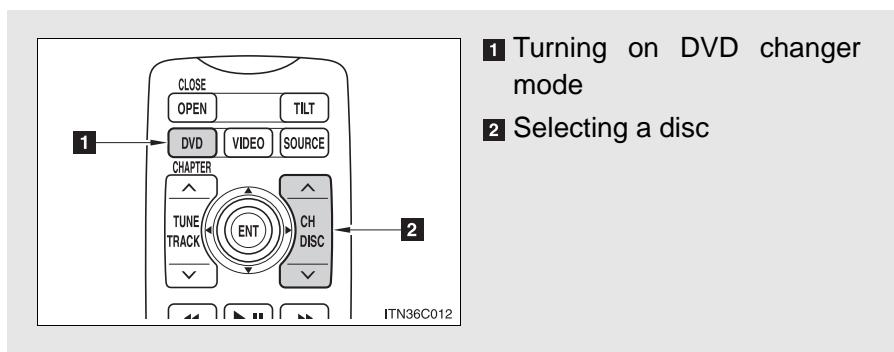
Tuning the station

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

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

3-3. Using the rear seat entertainment system

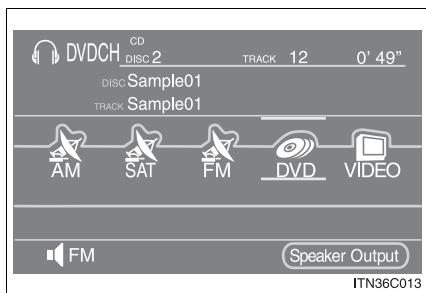
Using the DVD changer



1 Turning on DVD changer mode

2 Selecting a disc

Selecting a disc



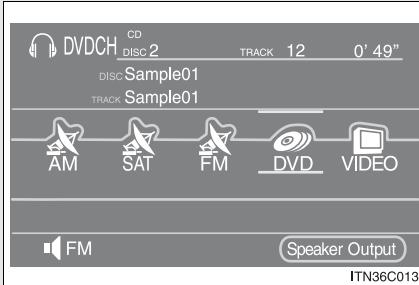
Press \wedge or \vee on  until the desired slot number appears on the screen.

- 1 Audio CD, CD text →P. 307
- 1 MP3/WMA disc →P. 308
- 1 DVD video/audio →P. 309
- 1 Video CD →P. 323

3-3. Using the rear seat entertainment system

Playing an audio CD/CD text

n Selecting a track



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

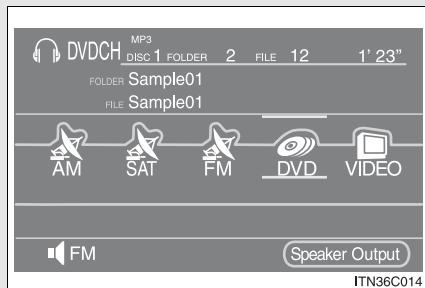
n Fast forwarding or reversing a track

Press and hold \wedge or \vee on .

3-3. Using the rear seat entertainment system

Playing WMA/MP3 discs

n Selecting a file



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



n Selecting a folder

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

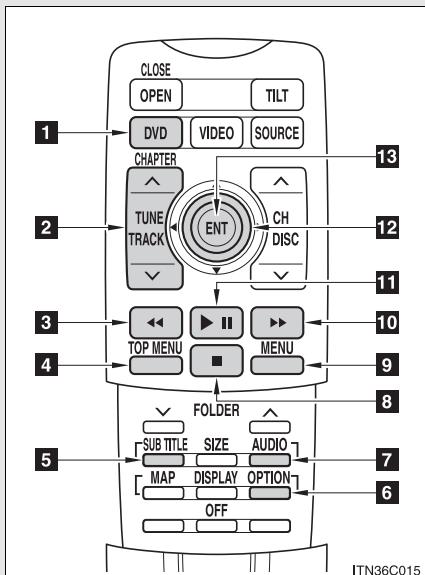
n Fast forwarding or reversing a file

Press \wedge or \vee on .

3-3. Using the rear seat entertainment system

Playing DVD video/audio

n Controller

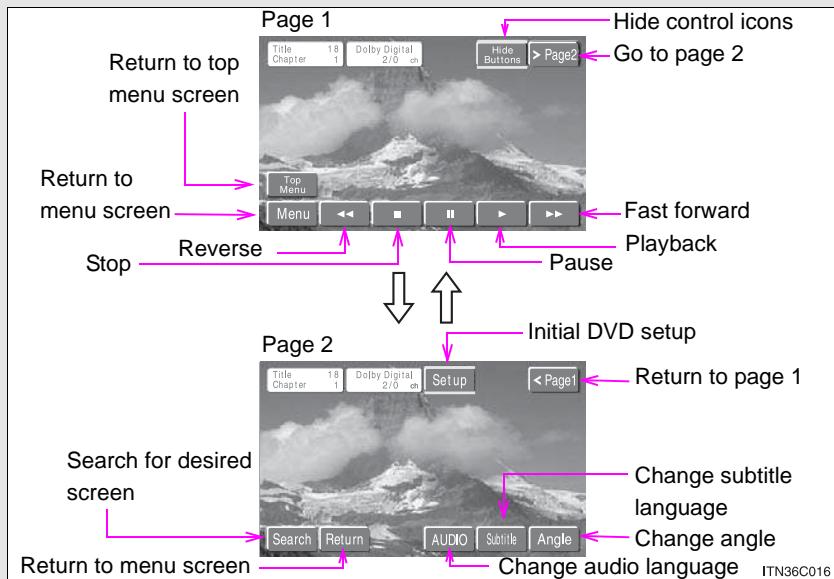


- 1 Turning on the DVD mode
- 2 Selecting a chapter/track
- 3 Reversing a disc
- 4 Turning on the title selection screen
- 5 Changing the subtitle language
- 6 Turning on the control icon screen
- 7 Changing the audio language
- 8 Stopping a disc
- 9 Turning on the menu disc
- 10 Fast forwarding a disc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

n **Control icon screen**

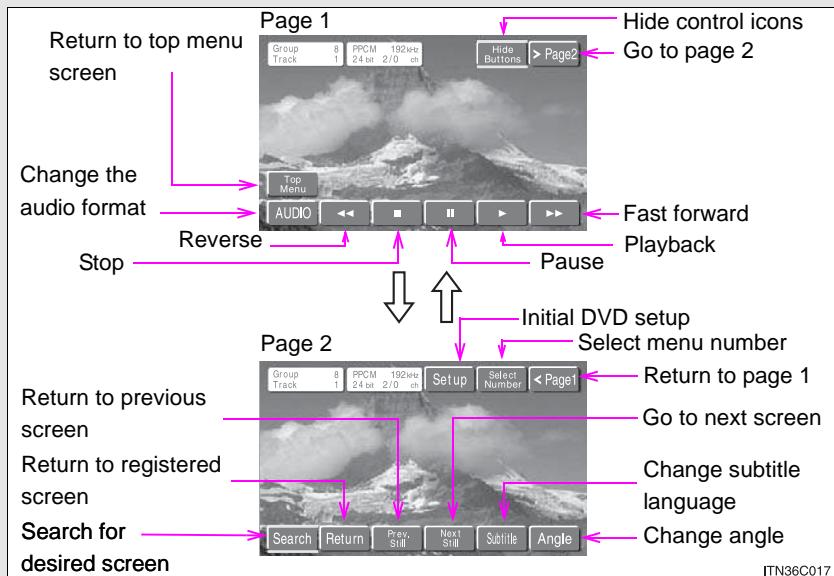
Press **OPTION** if no icons are shown while watching a DVD video, and the following screen appears.

► **DVD video mode**



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

► DVD audio mode



ITN36C017

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

Turning on or off the control icons

Press **OPTION** to turn on the control icons.

Press **OPTION** once again or select **Hide Buttons** to turn off the control icon.

Turning on the title selection screen

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

Turning on the menu screen (DVD video mode only)

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

Fast forwarding/reversing a disc

Perform either of the following:

1 Select **▶▶** or **◀◀** on the screen by pressing and holding **ENT**.

1 Press and hold **^** or **∨** on .

Slow playback

Select **■** and then select **▶▶**. Video is played slowly when you select **▶▶** by pressing and holding **ENT**.

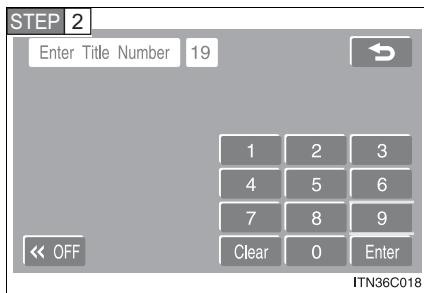
Returning to the previous screen

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

Searching for a desired screen

n Searching by title (DVD video mode)

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



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

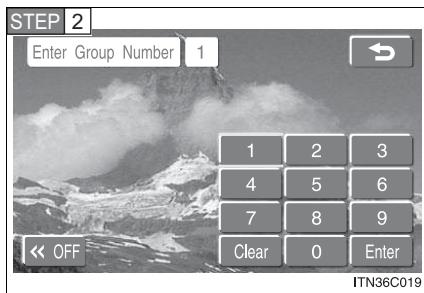
[Clear]: deletes the last input number

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

[]: returns to the previous screen

n Searching by group (DVD audio mode)

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



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

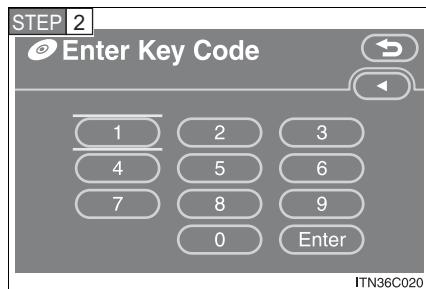
[Clear]: deletes the last input number

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

[]: returns to the previous screen

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

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



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

 : deletes the number

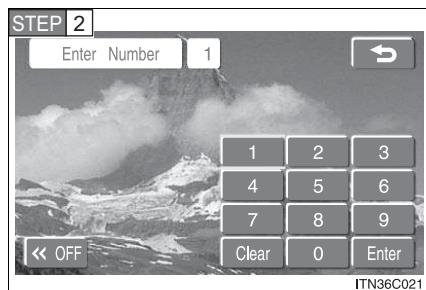
 : returns to the previous screen

n Searching by chapter/track

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

n Selecting a menu number (DVD audio mode only)

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



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

Changing the subtitle language

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



Select **Subtitle**.

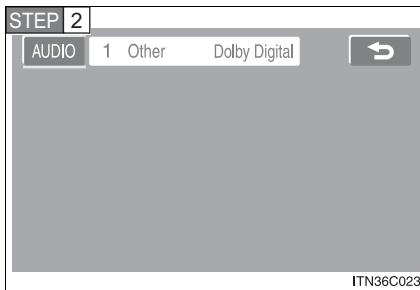
Each time you press , the next available language is selected.

Hide : hides the control icons

Back (ENT) : returns to the previous screen

Changing the audio language (DVD video only)

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



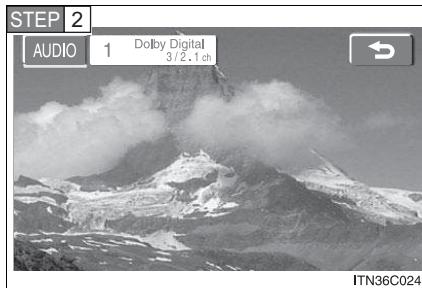
Select **AUDIO**.

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

Back (ENT) : returns to the previous screen

Changing the audio format (DVD audio only)

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



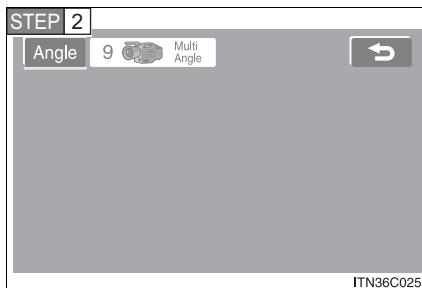
Select **AUDIO**.

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

: returns to the previous screen

Changing the angle (If the angle option is available)

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



Select **Angle**.

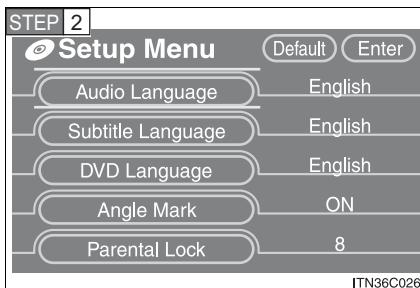
Each time you press  (ENT), the next available angle is selected.

: returns to the previous screen

Initial DVD setup

n Displaying “Setup Menu” screen

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



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

Default : restores default settings

n Setting audio language

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

STEP 2 Select the desired language.

If you cannot find the desired language, select “Other” and input the desired language code. (→P. 320)

◀ : returns to the previous screen

n Setting subtitle language

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

STEP 2 Select the desired language.

If you cannot find the desired language, select “Other” and input the desired language code. (→P. 320)

◀ : returns to the previous screen

n Setting menu language

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

STEP 2 Select the desired language.

If you cannot find the desired language, select “Other” and input the desired language code. (→P. 320)

◀ : returns to the previous screen

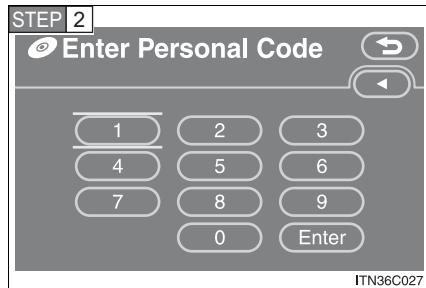
n **Setting angle mark “ON” or “OFF”**

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

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

n **Parental lock**

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



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

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

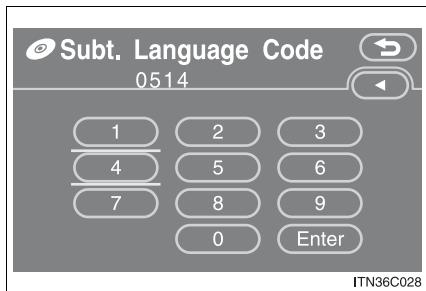
Select  10 times to initialize the personal code.

STEP 3 Select a parental level (1 - 8). (→“Navigation System Owner’s Manual”)

 : returns to the previous screen

n **Entering a language code**

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



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

◀ : deletes the last input digit

▶ : returns to the previous screen

1 Language codes

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

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

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

n Error messages

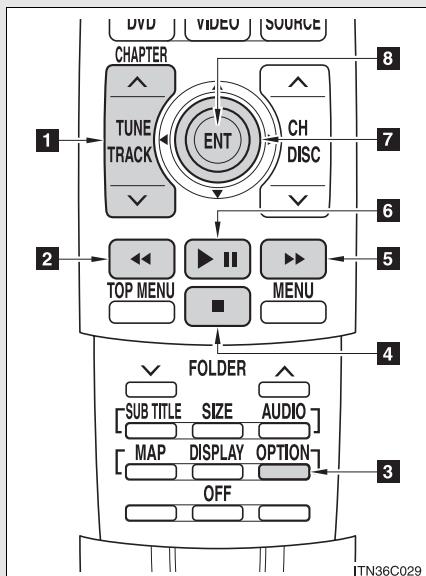
If “Region Code Error” is displayed, check if the region code printed on the DVD matches the player’s region code.

If a different message is displayed: →P. 327

3-3. Using the rear seat entertainment system

Playing a video CD

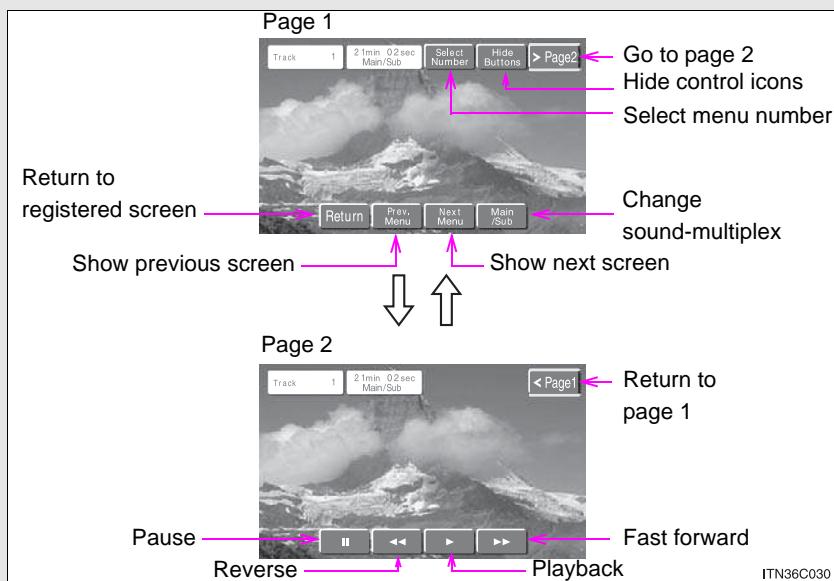
n Controller



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

n **Control icon screen**

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



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

Fast forwarding/reversing the video CD

Perform either of the following:

- 1 Select  or  on the screen by pressing and holding



- 1 Press and hold  or  on



Slow playback

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

Using the video CD menu

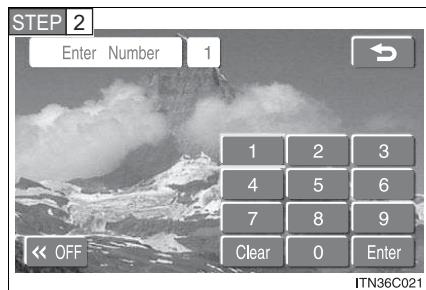
Select .

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

Selecting a desired screen

n Selecting a menu number

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



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

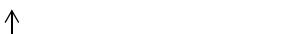
n Searching manually

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

Changing the sound-multiplex mode

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

“Main” \rightarrow “Sub” \rightarrow “Main/Sub”



3-3. Using the rear seat entertainment system DVD player and DVD video disc information

n Error messages

Message	Cause	Correction Procedures
No Disc	There is no disc in the CD or DVD changer	Insert a disc
DISC X Check	<ul style="list-style-type: none">• The disc X is dirty or damaged• The disc X is inserted upside down• The disc X is not playable with the player	<ul style="list-style-type: none">• Clean the disc• Insert the disc correctly• Confirm the disc is playable with the player
DVD Error	<ul style="list-style-type: none">• There is a malfunction within the system• Operation is stopped due to a high temperature inside the player	<ul style="list-style-type: none">• Eject the disc• Eject the disc and allow the player to cool down
NO MUSIC FILE	This indicates that no playable data is included in the disc	Eject the disc

n **DVD video discs**

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

n **Symbols shown on DVD video discs**

Symbol	Meaning
	Indicates NTSC format.
	Indicates the number of audio tracks.
	Indicates the number of language subtitles.
	Indicates the number of angles.
	Indicates the screen display ratios available. Wide screen: 16:9 Standard: 4:3
	Indicates the disc's region code. ALL: in all countries Number: region code

n 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.



n DVD video disc information

1 DVD video discs

Digital Versatile Disc that holds video. DVD video discs have adopted "MPEG2", one of the world standards of digital compression technologies. The picture data is compressed by 1/40 on average and stored. Variable rate encoding technology in which the volume of data assigned to the picture is changed depending on the picture format has also been adopted. Audio data is stored using PCM and Dolby digital, which enables higher quality of sound. Furthermore, multi-angle and multi-language features will also help you enjoy the more advanced technology of DVD video.

1 Viewer restrictions

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 DVD video disc. Some DVD video discs cannot be played at all, or violent scenes are skipped or replaced with other scenes.

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.

1 Multi-angle option

You can enjoy the same scene from different angles.

1 Multi-language option

You can select the subtitle and audio languages.

1 Region codes

The region codes are found on DVD players and DVD discs. If a DVD video disc does not have the same region code as the DVD player, you cannot play the disc on that DVD player. (→P. 328)

1 Audio

This DVD player can play linear PCM, Dolby Digital and MPEG audio format DVD. Other decoded types cannot be played.

1 Title and chapter

Video and audio programs stored in DVD video discs are divided into parts by title and chapter.

Title: The largest unit of the video and audio programs stored on DVD video discs. Usually, one movie, one album, or one audio program is assigned as a title.

Chapter: A title is comprised of one or more chapters.

n Sound

l Dolby Digital

Manufactured under license from Dolby Laboratories.

“Dolby”, “Pro Logic”, and the double-D symbol are trademarks of Dolby Laboratories. Confidential unpublished works.

©1992-1997 Dolby Laboratories. All rights reserved.

This product incorporates copyright protection technology that is protected by method claims of certain U. S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation.

Reverse engineering or disassembly is prohibited.

l DTS

“DTS” and “DTS Digital Surround” are registered trademarks of Digital Theater System, Inc.

n MP3 and WMA files

→P. 289

⚠ CAUTION

n DVD video precaution

Conversational speech on some DVDs is recorded at a low volume to emphasize the impact of sound effects. If you adjust the volume assuming that the conversations represent the maximum volume level that the DVD will play, you may be startled by louder sound effects or when you change to a different audio source.

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.

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

→P. 283

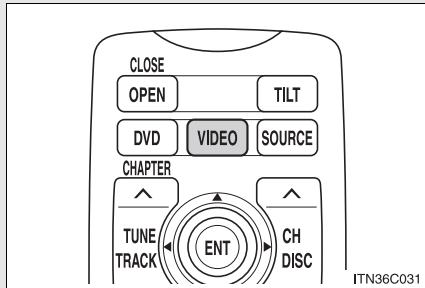
n Player precautions

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

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

3-3. Using the rear seat entertainment system

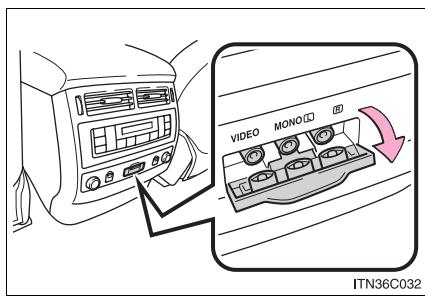
Using the video mode



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

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

Using the adapter



Open the cover.

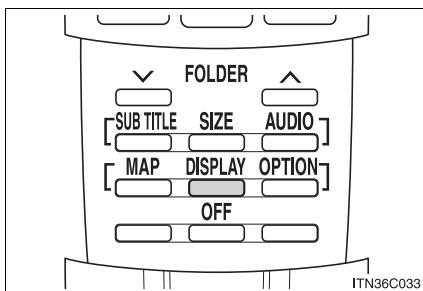
The A/V input adapter is composed of 3 input adapters.

Yellow: Image input adapter

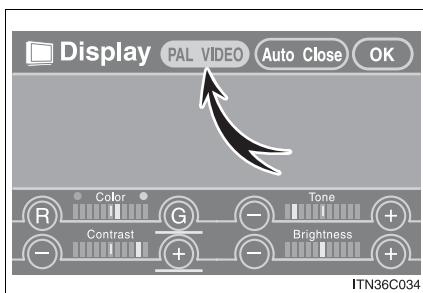
White: Left channel audio input adapter

Red: Right channel audio input adapter

Changing to PAL format



Press **DISPLAY**.



If the video does not appear, turn

PAL VIDEO on.

PAL VIDEO will be displayed when the audio-video equipment is connected to the A/V input adapter.

3

Interior features

A/V input adapter

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

Power outlet

The power outlet is used to connect the audio-video equipment. (→P. 358)

NOTICE

When the A/V input adapter is not in use

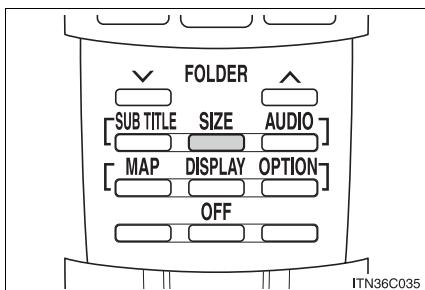
Keep the A/V input adapter cover closed.

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

3-3. Using the rear seat entertainment system

Changing other settings

Setting the display mode

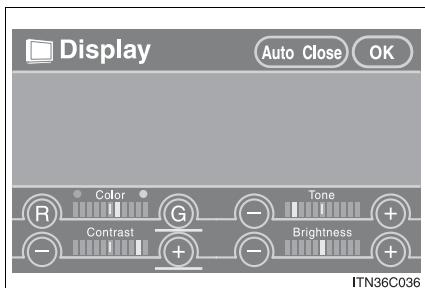


Pressing **SIZE** changes the display modes sequentially as follows:

Normal → Wide 1 → Wide 2



Adjusting the screen

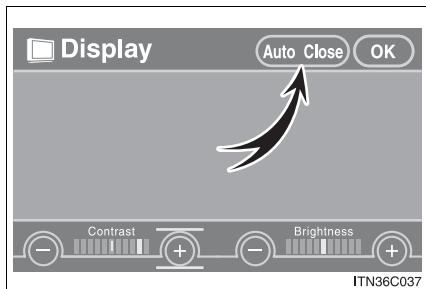


Press **DISPLAY**.

Select the brightness, contrast, tone or color, and make adjustments. Press **DISPLAY** or **ENT** to input it.

	(R)	(G)
“Color”	Red	Green
	(-)	(+)
“Tone”	Lighter	Darker
“Contrast”	Weaker	Stronger
“Brightness”	Darker	Brighter

Automatic closing of the rear display

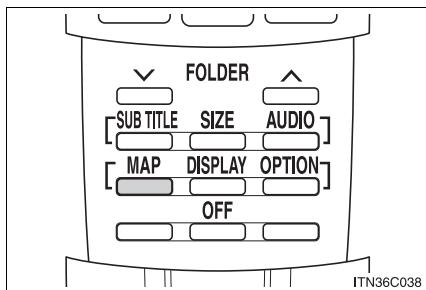


Press **DISPLAY**.

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

The display will automatically open when the "ENGINE START STOP" switch is turned to ACCESSORY or IGNITION ON mode.

Displaying the map screen



Press **MAP**.

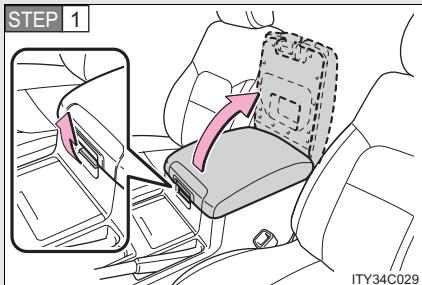
The map screen will appear.

3-6. Other interior features

Cool box (if equipped)

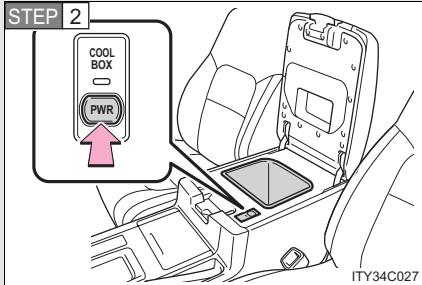
While the engine is running, the cool box, which is cooled by the air conditioning, can be used.

STEP 1



Lift the lever to open.

STEP 2



On/off

When on, the indicator light comes on.

If the front air conditioning system is not in use, the front air conditioning system is automatically turned on when the cool box is turned on.

n **While the cool box is on**

The front air conditioning system cannot be turned off.

n **When the outside temperature is 0°C or below**

The cool box may not operate.

 **CAUTION**

 **While driving**

Keep the cool box closed.

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

 **NOTICE**

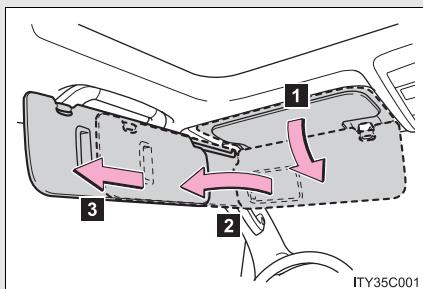
 **To prevent battery discharge**

Do not leave the cool box on longer than necessary when the engine is stopped.

3-6. Other interior features

Sun visors

► Main sun visor



1 Forward position:

Flip down.

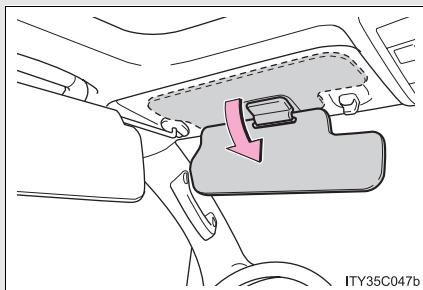
2 Side position:

Flip down, unhook, and swing to the side.

3 Side extender:

Place in side position, then slide backwards.

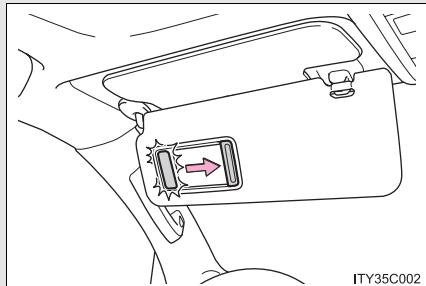
► Sub-sun visor



Flip down with the main sun visor in position **2** or **3**.

3-6. Other interior features

Vanity mirror



Slide the cover.

The light turns on when the cover is opened.

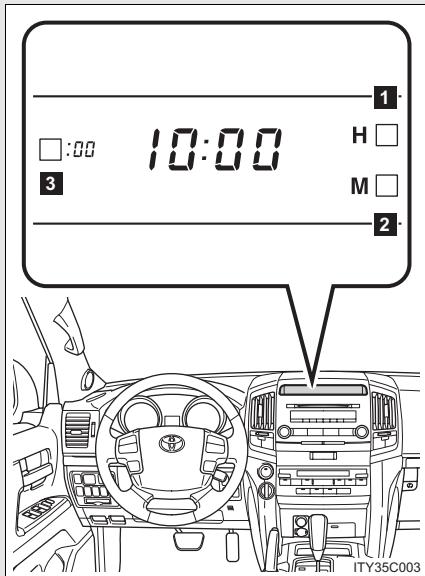
3-6. Other interior features

Clock

► With navigation system

Refer to "Navigation System Owner's Manual".

► Without navigation system



1 Adjust hours.

2 Adjust minutes.

3 Round the nearest hour.*

*:e.g. 1:00 to 1:29→1:00

1:30 to 1:59→2:00

n The clock is displayed when

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

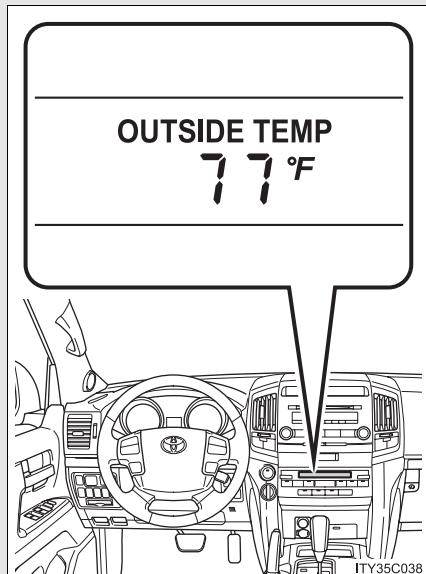
n When the battery is disconnected

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

3-6. Other interior features

Outside temperature display

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



n Operating conditions

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

n When --- is displayed

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

n Display

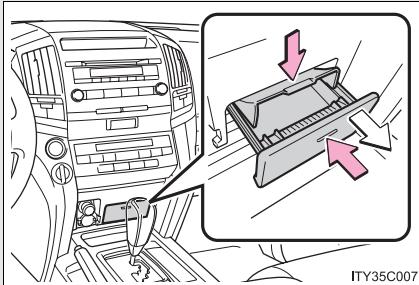
In the following situations, the correct outside temperature may not be displayed, or the display may take longer than normal to change.

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

3-6. Other interior features

Ashtrays

► Front

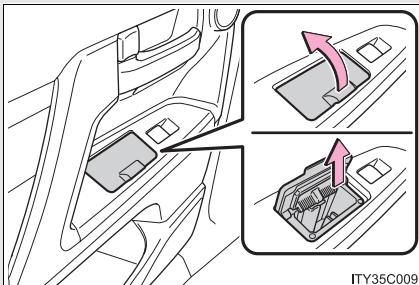


Press in and release the lid to open.

Press down on the lock spring plate to remove.

Push the lid to close.

► Rear



Pull the ashtray lid to open.

Pull the ashtray upwards to remove.

CAUTION

n When not in use

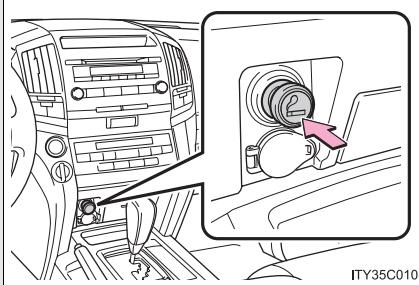
Keep the ashtray closed.

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

n To prevent fire

- 1 Fully extinguish matches and cigarettes before putting them in the ashtray, then make sure the ashtray is fully closed.
- 1 Do not place paper or any other type of flammable object in the ashtray.

Cigarette lighter



Push the cigarette lighter in.

The cigarette lighter will pop up when ready for use.

n The cigarette lighter can be used when

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

CAUTION

To avoid burns or fires

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

3-6. Other interior features

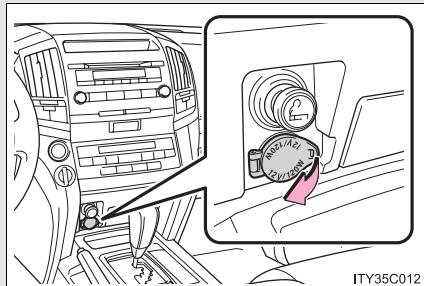
Power outlets

The power outlets can be used for a following component.

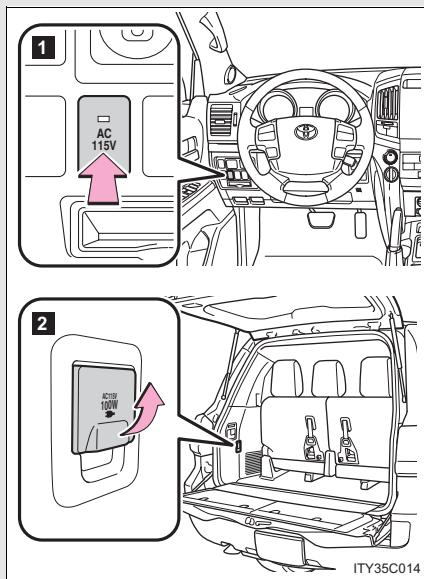
Instrument panel (12V): Accessories that run on less than 10A.

Luggage compartment (115V AC): Accessories that use less than 100W.

► Instrument panel (12V)



► Luggage compartment (115V AC)



1 To use the power outlet, push the switch.

The indicator light comes on.

2 Power outlet socket

n **The power outlets can be used when**

12V: The “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode.

115V: The “ENGINE START STOP” switch is in IGNITION ON mode.

 **NOTICE**

n To avoid damaging the power outlets

Close the power outlet lid when not in use.

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

n To prevent the fuse from being blown

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

115V: Do not use a 115V AC appliance that requires more than 100W.

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

n To prevent the battery from being discharged

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

n Appliances that may not operate properly (115V AC)

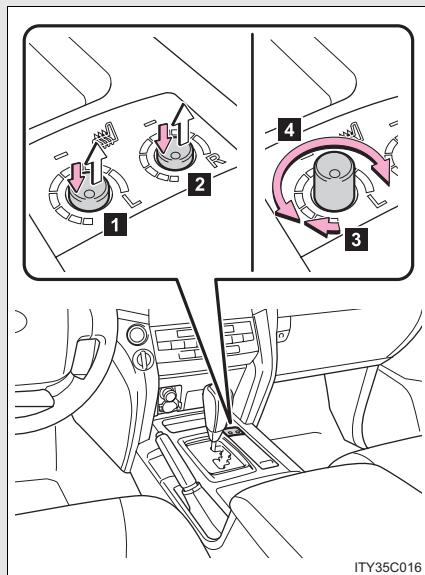
The following 115V AC appliances may not operate even if their power consumption is under 100W.

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

3-6. Other interior features

Seat heaters

► For front seats



1 For driver's seat

Pops the switch out.

2 For front passenger's seat

Pops the switch out.

3 On

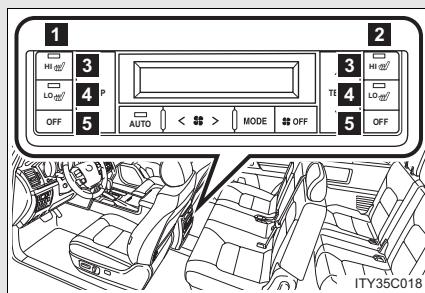
The indicator light comes on.

4 Adjusts the seat temperature

The further you turn the knob clockwise, the warmer the seat becomes.

Raise the knob when you wish to adjust the seat warmth, and push the knob back in when finished.

► For second seats (if equipped)



1 For left second seat

2 For right second seat

3 High heating temperature

4 Low heating temperature

5 Off

To turn on the seat heater, press "HI" or "LO".

To turn off, press "OFF".

The indicator light on "HI" or "LO" switch indicates that the seat heater is on.

n The seat heaters can be used when

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

⚠ CAUTION

n Burns

- 1 Use caution when seating the following persons in a seat with the seat heater on to avoid the possibility of burns:
 - Babies, small children, the elderly, the sick and the disabled
 - Persons with sensitive skin
 - Persons who are fatigued
 - Persons who have taken alcohol or drugs that induce sleep (sleeping drugs, cold remedies, etc.)
- 1 Do not cover the seat with anything when using the seat heater. Using the seat heater with a blanket or cushion increases the temperature of the seat and may lead to overheating.

⚠ NOTICE

n To prevent seat heater damage

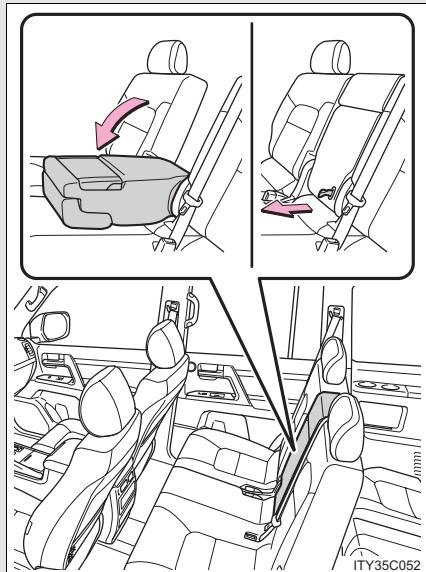
Do not put unevenly weighted objects on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.

n To prevent battery discharge

Turn the switches off when the engine is not running.

3-6. Other interior features

Armrest



Pull the armrest down for use.

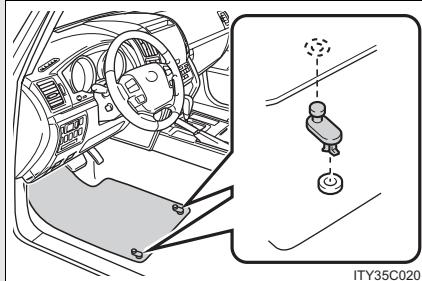
NOTICE

To prevent damage to the armrest

Do not place too much strain on the armrest.

Floor mats

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



Secure the floor mat using the hooks provided.

CAUTION

When inserting the floor mat

Observe the following precautions.

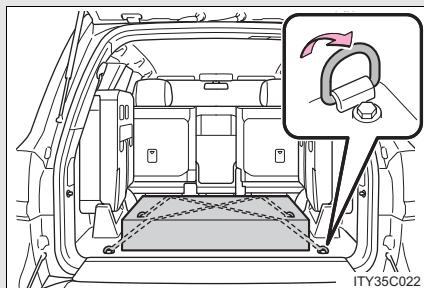
Failure to do so may result in the floor mat slipping and interfering with the movement of the pedals during driving, resulting in an accident.

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

3-6. Other interior features

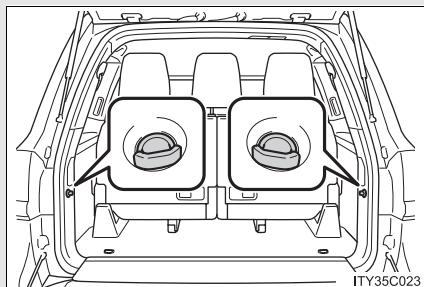
Luggage compartment features

n Cargo hooks



Cargo hooks are provided for securing loose items.

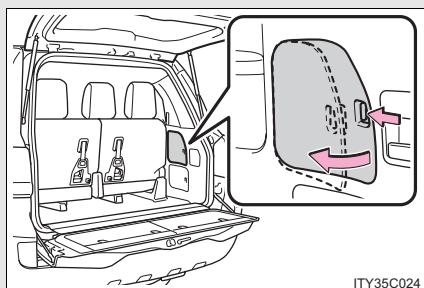
n Cargo net hooks



To hang the cargo net, use the cargo net hooks and rear tie-down hooks.

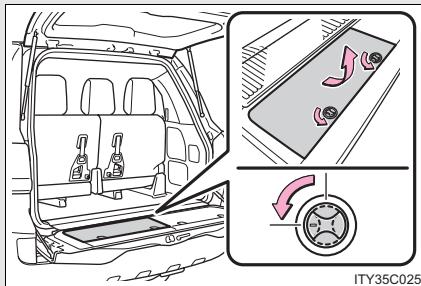
The cargo net itself is not included as an original equipment.

n Storage compartment



Open the storage compartment as shown.

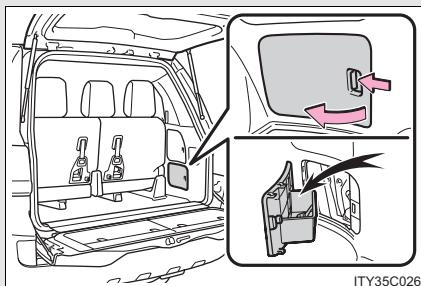
n Warning reflector holder



Hold the warning reflector with a band.

The warning reflector itself is not included as an original equipment.

n First-aid kit holder



Hold the first-aid kit with a band.

The first-aid kit itself is not included as an original equipment.

⚠ CAUTION

n When the cargo hooks are not in use

To avoid injury, always return the cargo hooks to their positions when they are not in use.

⚠ NOTICE

n To prevent damage to the cargo net hooks

Avoid hanging things other than a cargo net on it.

3-6. Other interior features

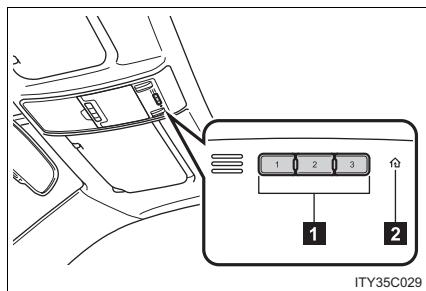
Garage door opener

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

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

Programming HomeLink[®] (for U.S.A. owners)

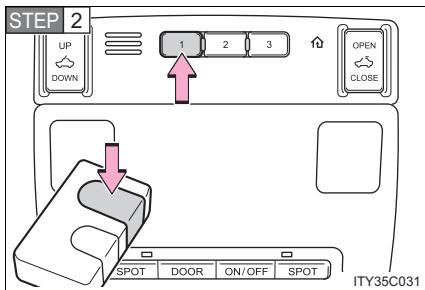
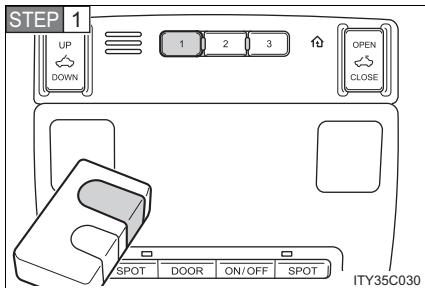
The HomeLink[®] compatible transceiver in your vehicle has 3 buttons which can be programmed to operate 3 different devices. Refer to the programming method below appropriate for the device.



1 Buttons

2 Indicator

n Programming HomeLink®



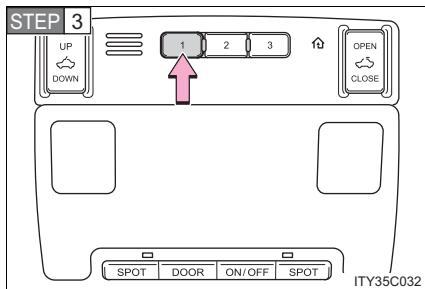
Point the remote control transmitter for the device 1 to 3 in. (25 to 75 mm) from the HomeLink® buttons.

Keep the HomeLink® indicator light in view while programming.

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

If the HomeLink® indicator light comes on but does not flash, flashes rapidly for 2 seconds and remains lit, the HomeLink® button is already programmed. Use the other buttons or follow the “Reprogramming a HomeLink® button” instructions. (→P. 371)

3-6. Other interior features



Test the HomeLink® operation by pressing the newly programmed button.

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

STEP 4 Repeat the steps above to program another device for each of the remaining HomeLink® buttons.

n **Programming a rolling code system**

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

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

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

STEP 2 Press the training button.

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

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

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

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

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

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

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

Keep the HomeLink® indicator light in view while programming.

STEP 2 Press and hold the selected HomeLink® button.

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

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

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

STEP 6 Repeat the steps above to program another device for each of the remaining HomeLink® buttons.

n Programming other devices

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

n Reprogramming a button

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

Operating HomeLink®

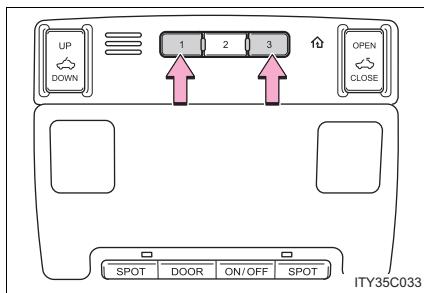
Press the appropriate HomeLink® button. The HomeLink® indicator light should come on.

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

Reprogramming a HomeLink® button

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

Erasing the entire HomeLink® memory (all three programs)



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

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

n Before programming

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

n Certification for the garage door opener

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

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

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

▲ CAUTION

n When programming a garage door or other remote control devices

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

n Conforming to federal safety standards

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

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

Cleaning and protecting the vehicle exterior

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

- 1 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.
- 1 For hard-to-remove marks, use car wash soap and rinse thoroughly with water.
- 1 Wipe away any water.
- 1 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.

n Automatic car washes

- 1 Fold the mirrors back and retract the antenna before washing the vehicle.
- 1 Brushes used in automatic car washes may scratch the vehicle surface and harm your vehicle's paint.

n High pressure car washes

- 1 Do not allow the nozzles of the car wash to come within close proximity of the windows.
- 1 Before car wash, check that the fuel filler door is closed.

n Aluminum wheels

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

n Bumpers and side moldings

Do not scrub with abrasive cleaners.

n To prevent paint deterioration and corrosion on the body

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

 **CAUTION**

n Caution about the exhaust pipe

Exhaust gasses cause the exhaust pipe to become quite hot. When washing the vehicle, be careful not to touch the pipe until it has cooled sufficiently, as touching a hot exhaust pipe can cause burns.

 **NOTICE**

n To protect your vehicle's painted surfaces

Do not use organic cleaners such as benzene or gasoline.

n Cleaning the exterior lights

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

Cleaning and protecting the vehicle interior

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

n Protecting the vehicle interior

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

n Cleaning the leather areas

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

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

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

n Synthetic leather areas

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

n **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.

n **Shampooing the carpets**

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

n **Seat belts**

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

CAUTION

n **Water in the vehicle**

- 1 Do not splash or spill liquid in the vehicle.
Doing so may cause electrical components etc. to malfunction or catch fire.
- 1 Do not get any of the SRS components or wiring in the vehicle interior wet.
(→P. 104)
Electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or serious injury.

NOTICE

n 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.

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

n Preventing damage to leather surfaces

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

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

n Water on the floor

Do not wash the vehicle floor with water.

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

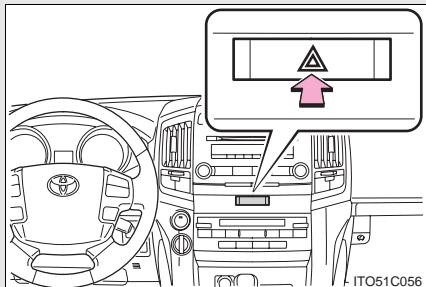
n Cleaning the inside of the rear window

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

5-1. Essential information

Emergency flashers

Use the emergency flashers if vehicle malfunctions or is involved in an accident.



Press the switch to flash all the turn signal lights. To turn them off, press the switch once again.

NOTICE

To prevent battery discharge

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

If your vehicle needs to be towed

If towing is necessary, we recommend having your vehicle towed by your Toyota dealer or a commercial towing service, using a lift-type truck or a flat bed truck.

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

Use a towing dolly or flat bed truck.

Before towing

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

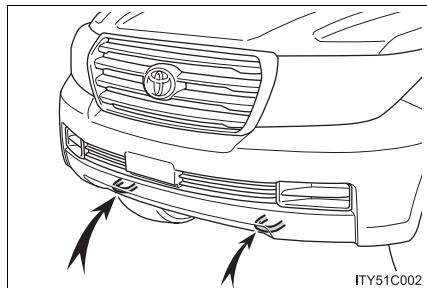
- 1 The engine is running, but the vehicle will not move.
- 1 The vehicle makes an abnormal sound.

Emergency towing

If a tow truck is not available in an emergency, your vehicle may be temporarily towed using a cable or chain secured to the following part. This should only be attempted on hard, surfaced roads for short distances at low speeds.

A driver must be in the vehicle to steer and operate the brakes. The vehicle's wheels, drive train, axles, steering and brakes must be in good condition.

► Towing hook



n Emergency towing procedure

- STEP 1** The engine must be in ACCESSORY mode (engine off) or IGNITION ON mode (engine running).
- STEP 2** Put the four-wheel drive control switch in "H4". (The center differential is unlocked.)
- STEP 3** Put the shift lever in "N".
- STEP 4** Release the parking brake.

⚠ CAUTION

n While towing

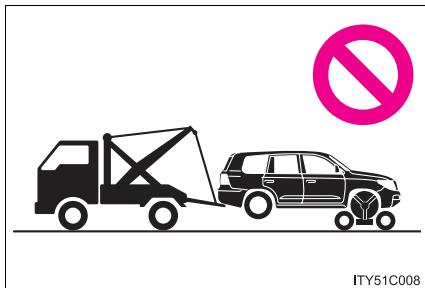
- 1 Use extreme caution when towing the vehicle.
Avoid sudden starts or erratic driving maneuvers which place excessive stress on the emergency towing hook and the cable or chain.
- 1 If the engine is not running, the power assist for the brakes and steering will not function, making steering and braking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

⚠ NOTICE

n To prevent causing serious damage to the transmission

- 1 Never tow this vehicle wheels on the ground.
- 1 Use only the front emergency towing hooks or towing eyelets (depending on vehicles) when towing your vehicle.

Towing with a sling-type truck



NOTICE

n To prevent body damage

Do not tow with a sling type truck, either from the front or rear.

Towing with a wheel lift-type truck

► From front



ITY51C009

Use a towing dolly under the rear wheels.



ITY51C009

► From rear



ITY51C010

Use a towing dolly under the front wheels.

⚠ NOTICE

■ To prevent causing serious damage to the transmission

Never tow this vehicle wheels on the ground.

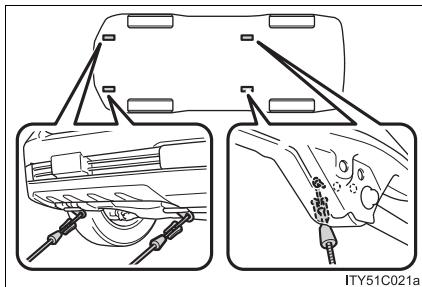
■ To prevent damaging the vehicle

1 Do not tow the vehicle with the “ENGINE START STOP” switch off.

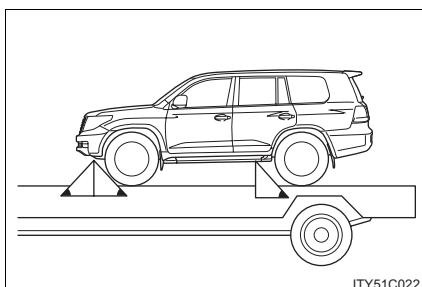
The steering lock mechanism is not strong enough to hold the front wheel straight.

1 When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.

Using a flat bed truck



If your Toyota is transported by a flat bed truck, it should be tied down at the locations shown in the illustration. When attaching the hooks to the rear of the vehicle, make sure to attach them to the inside of the vehicle.

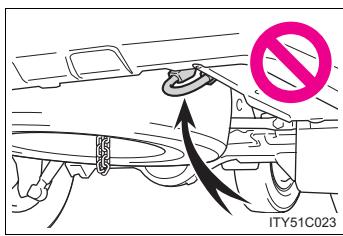


If you use chains or cables to tie down your vehicle, the angles shaded in black must be 45°.

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

NOTICE

To avoid serious damage to your vehicle



Do not use the rear emergency towing hook.

If you think something is wrong

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**

- 1 Fluid leaks under the vehicle
(Water dripping from the air conditioning after use is normal.)
- 1 Flat-looking tires or uneven tire wear
- 1 Engine coolant temperature gauge needle continually points higher than normal
- 1 Engine oil pressure gauge continually points lower than normal
- 1 Voltmeter continually points higher or lower than normal

■ **Audible symptoms**

- 1 Changes in exhaust sound
- 1 Excessive tire squeal when cornering
- 1 Strange noises related to the suspension system
- 1 Pinging or other noises related to the engine

■ **Operational symptoms**

- 1 Engine missing, stumbling or running rough
- 1 Appreciable loss of power
- 1 Vehicle pulls heavily to one side when braking
- 1 Vehicle pulls heavily to one side when driving on a level road
- 1 Loss of brake effectiveness, spongy feeling, pedal almost touches the floor

Fuel pump shut off system

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

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

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

STEP 2 Restart the engine.



NOTICE

n Before starting the engine

Inspect the ground under the vehicle.

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

5-1. Essential information

Event data recorder

Your vehicle has computers that monitor and control certain aspects of your vehicle. These computers assist in driving and maintaining optimal vehicle performance.

Besides storing data useful for troubleshooting, there is a system to record data in a crash or a near car crash event. This is called an Event Data Recorder (EDR).

In a crash or a near car crash event

The SRS airbag sensor assembly contains the EDR. In a crash or a near car crash event, this device may record some or all of the following information:

- 1 Engine speed
- 1 Whether the brake pedal was applied or not
- 1 Vehicle speed
- 1 To what extent the accelerator pedal was depressed
- 1 Position of the transmission shift lever
- 1 Whether the driver and front passenger wore seat belts or not
- 1 Driver's seat position
- 1 Front passenger's occupant classification
- 1 SRS airbag deployment data
- 1 SRS airbag system diagnostic data

The information above is intended to be used for the purpose of improving vehicle safety performance. Unlike general data recorders, the EDR does not record sound data such as conversation between passengers.

Disclosure of the data

Toyota will not disclose the data recorded in an EDR to a third party except when:

- 1 An agreement from the vehicle's owner (or the leasing company for a leased vehicle) is obtained
- 1 Officially requested by the police or other authorities
- 1 Used as a defense for Toyota in a law suit
- 1 Ordered by a court

However, if necessary Toyota will:

- 1 Use the data for research on Toyota vehicle safety performance
- 1 Disclose the data to a third party for research purposes without disclosing details of the vehicle owner, and only when it is deemed necessary
- 1 Disclose summarized data cleared of vehicle identification information to a non-Toyota organization for research purposes

5-2. Steps to take in an emergency

If a warning light turns on or a warning sounds...

Calmly perform the following actions if any of the warning lights turn on or flash. If a light turns on or flashes, but then turns off, this does not necessarily indicate a malfunction in the system.

Stop the vehicle immediately. Continuing to drive the vehicle may be dangerous.

The following warning indicates a possible problem in the brake system. Immediately stop the vehicle in a safe place and contact your Toyota dealer.

Warning light	Warning light/Details
	Brake system warning light (warning buzzer)* <ul style="list-style-type: none">• Low brake fluid• Malfunction in the brake system <p>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.</p>

***:Parking brake engaged warning buzzer:**

A buzzer will sound if the vehicle is driven at a speed of approximately 3 mph (5 km/h) or more.

Stop the vehicle immediately.

The following warning indicates the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Toyota dealer.

Warning light	Warning light/Details
	<p>Charging system warning light Indicates a malfunction in the vehicle's charging system.</p>

Have the vehicle inspected by your Toyota dealer immediately.

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

Warning light	Warning light/Details
	<p>Malfunction indicator lamp Malfunction in:</p> <ul style="list-style-type: none"> • The emission control system; • The electronic engine control system; • The electronic throttle control system; or • The electronic automatic transmission control system.
	<p>SRS warning light Malfunction in:</p> <ul style="list-style-type: none"> • The SRS airbag system; • The front passenger occupant classification system; or • The seat belt pretensioner system.

5-2. Steps to take in an emergency

Warning light	Warning light/Details
	ABS warning light Malfunction in: <ul style="list-style-type: none">• The ABS; or• The brake assist system.
	Pre-collision system warning light (if equipped) Malfunction in the pre-collision system.

Have the malfunction repaired immediately.

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

Warning light	Warning light/Details	Correction procedure
	Open door warning light (warning buzzer)^{*1} A door is not fully closed.	Check that all doors are closed.

Warning light	Warning light/Details	Correction procedure
	Driver's seat belt reminder light (warning buzzer)^{*2} Warns the driver to fasten his/her seat belt.	Fasten the seat belt.
  (On the center cluster)	Front passenger's seat belt reminder light (warning buzzer)^{*2} Warns the front passenger to fasten his/her seat belt.	Fasten the seat belt.
	Tire pressure warning light	
	When the light comes on: Low tire inflation pressure.	Adjust the tire inflation pressure.
	When the light comes on after blinking for 1 minute: Malfunction in the tire pressure warning system.	Have the system checked by your Toyota dealer.
	Unengaged "Park" warning light The transmission "Park" mechanism is not engaged.	Shift four-wheel drive control out of "N". (→P. 201)

Warning light	Warning light/Details	Correction procedure
	<p>Low fuel level warning light Indicates that remaining fuel is about 4.0 gal. (15.0 L, 3.3 Imp. gal.) or less.</p>	Refuel the vehicle.
	<p>Master warning light A buzzer sounds and the warning light comes on and flashes to indicate that the master warning system has detected a malfunction.</p>	Take appropriate action in accordance with the message displayed on the multi-information display.

*¹: Open door warning buzzer:

The open door warning buzzer sounds to alert one or more of the doors is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).

*²: Driver's and front passenger's seat belt reminder buzzer:

The driver's and front passenger's seat belts reminder sounds to alert the driver and front passenger that his/her seat belt is not fastened. The buzzer sounds intermittently for 10 seconds after the vehicle had reached a speed of at least 12 mph (20 km/h). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

*³: Vehicles with navigation system

*⁴: Vehicles without navigation system

n If the malfunction indicator lamp comes on while driving

First check the following:

- 1 Is the fuel empty?
If it is, fill the fuel tank immediately.
- 1 Is the fuel tank cap loose?
If it is, tighten it securely.

The malfunction indicator lamp will go off after taking several driving trips. If the malfunction indicator lamp does not go off even after several trips, contact your Toyota dealer as soon as possible.

n If the low speed four-wheel drive indicator light or the center differential lock indicator light blinks

Take the specified steps. (→P. 206)

If the brake system warning light or the malfunction indicator light also comes on, or the low speed four-wheel drive indicator light or the center differential lock indicator light continues to blink after taking the specified steps, there may be a malfunction in the engine, the brake system or the four-wheel drive system. In this case, you may not be able to transfer between "H4" and "L4" modes, and the center differential lock may not be able to be locked or unlocked. Have the vehicle inspected by your Toyota dealer immediately.

n Front passenger detection sensor and passenger seat belt reminder

- 1 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.
- 1 If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

n SRS warning light

This warning light system monitors the following:

- 1 The airbag sensor assembly
- 1 Front airbag sensors
- 1 The curtain shield airbag sensors
- 1 The side and curtain shield airbag sensors
- 1 The seat belt buckle switches
- 1 The driver's seat position sensor
- 1 The inflators
- 1 The interconnecting wiring and power sources
- 1 The front passenger occupant classification ECU
- 1 "AIR BAG ON" and "AIR BAG OFF" indicator lights
- 1 The seat belt pretensioners
- 1 The roll sensing of curtain shield airbags off indicator light

n Changing the engine oil

Make sure to reset oil change system

n When the tire pressure warning light comes on

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

n The tire pressure warning light may come on due to natural causes

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

n When a tire is replaced with a spare tire

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

n If the tire pressure warning system is inoperative

The tire pressure warning system will become inoperative in the following conditions:

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

- 1 If tires not equipped with tire pressure warning valves and transmitters are used.
- 1 If the ID code on the tire pressure warning valves and transmitters is not registered in the tire pressure warning computer.
- 1 If the tire inflation pressure is more than 73 psi (500 kPa, 5.1 kgf/cm² or bar).

The tire pressure warning system may become inoperative in the following conditions:

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

- 1 If electronic devices or facilities using similar radio wave frequencies are nearby.
- 1 If a radio set at similar frequencies is in use in the vehicle.
- 1 If a window tint that affects the radio wave signals is installed.
- 1 If there is a lot of snow or ice on the vehicle, in particular around the wheels or wheel housings.
- 1 If non-genuine Toyota wheels are used. (Even if you use Toyota wheels, the tire pressure warning system may not work properly with some types of tires.)
- 1 If tire chains are used.
- 1 If the spare tire is in a location subject to poor radio wave signal reception.
- 1 If a large metallic object which can interfere with signal reception is put in the luggage compartment.

n If the tire pressure warning light comes on after blinking for 1 minute frequently

If the tire pressure warning light comes on after blinking 1 minute frequently when the “ENGINE START STOP” switch is turned to IGNITION ON mode, have it checked by Toyota dealer.

▲ CAUTION

n If the tire pressure warning light comes on

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

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

n If a blowout or sudden air loss should occur

The tire pressure warning system may not activate immediately.

⚠ CAUTION

■ Maintenance of the tires

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label (tire and load information label). (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label [tire and load information label], you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS-tire pressure warning system) that illuminates a low tire pressure telltale (tire pressure warning light) when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale (tire pressure warning light) illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS (tire pressure warning system) is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale (tire pressure warning light).

CAUTION

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

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

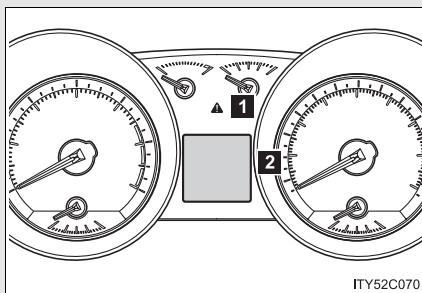
NOTICE

n Precaution when installing a different tire

When a tire of a different specification or maker is installed, the tire pressure warning system may not operate properly.

If a warning message is displayed

The multi-information display shows warnings of system malfunctions, incorrectly performed operations, or shows messages that indicate a need for maintenance. When a message is shown, perform the correction procedure appropriate to the message.



1 Master warning light

The master warning light comes on or flashes when a message is being shown on the multi-information display.

2 Multi-information display

If any of the warning messages is shown again after its correction procedure has been performed, contact your Toyota dealer.

Messages and warnings

The warning lights and warning buzzers operate as follows depending on the content of the message. If a message indicates the need for inspection by a dealer, have the vehicle inspected immediately by your Toyota dealer.

5-2. Steps to take in an emergency

	System warning light	Warning buzzer*	Warning
Comes on	—	Sounds	Indicates an important situation, such as when a system related to driving is malfunctioning or that danger may result if the correction procedure is not performed.
—	Comes on or flashes	Sounds	Indicates an important situation, such as when the system shown on the multi-information display may be malfunctioning.
Comes on	—	Does not sound	Indicates a condition, such as malfunction of electrical components, their condition, or indicates the need for maintenance.
Flashes	—	Does not sound	Indicates a situation, such as when an operation has been performed incorrectly, or indicates how to perform an operation correctly.

*: A buzzer sounds first time a message is shown on the multi-information display.

n **Resetting the tire pressure warning data**

After adjusting the tire inflation pressure, be sure to initialize the data.
(→P. 406)

If the message remains on, the system may have malfunctioned. Have the vehicle inspected by your Toyota dealer as soon as possible.

n **Warning messages in the cruise control mode**

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

- 1 When the speed of the vehicle ahead matches or exceeds your vehicle's speed.
- 1 When the vehicle ahead is traveling at an extremely slow speed.
- 1 Immediately after the cruise control speed has been set.
- 1 At the instant the accelerator is applied.



NOTICE

■ Engine oil maintenance message

The warning message is based on the projected driving range after engine oil maintenance message is reset.

The system does not monitor the purity of the engine oil.

5-2. Steps to take in an emergency

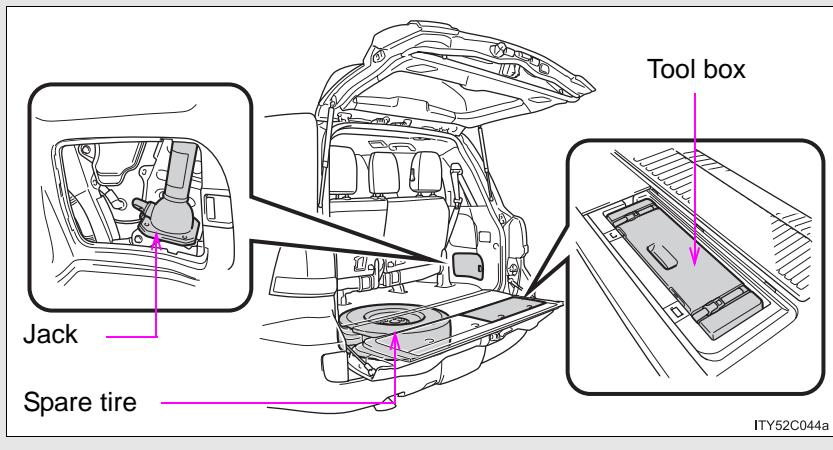
If you have a flat tire

Remove the flat tire and replace it with the spare provided.

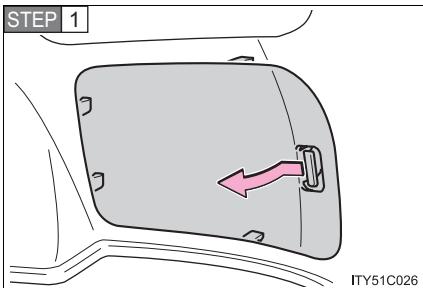
n Before jacking up the vehicle

- 1 Stop the vehicle on a hard, flat surface.
- 1 Set the parking brake.
- 1 Shift the shift lever to “P”.
- 1 Stop the engine.
- 1 Turn on the emergency flashers.

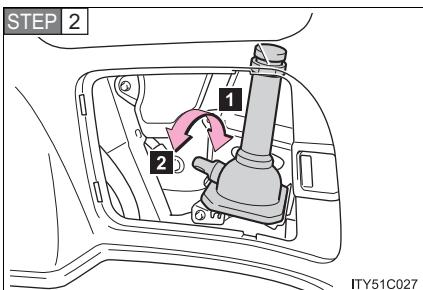
n Location of the spare tire, jack and tools



Taking out the jack



Remove the cover.

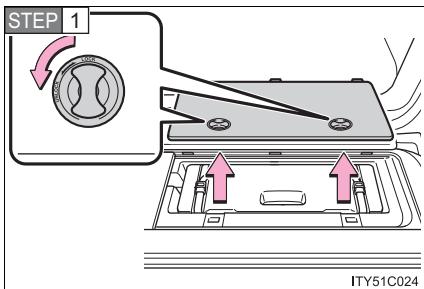


1 Loosen

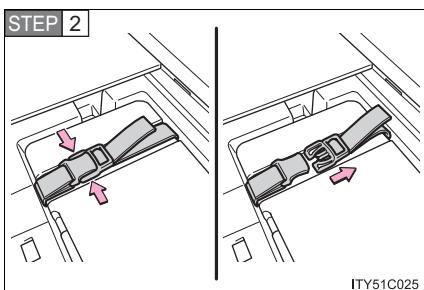
2 Tighten

Loosen and remove the jack.

Taking out the tool box

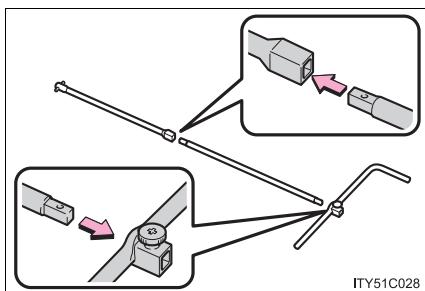


Remove the cover.



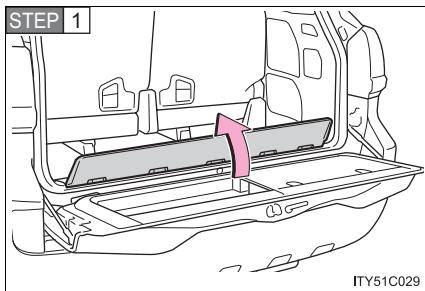
Take out the tool box.

Assemble the jack handle (in the tool box)

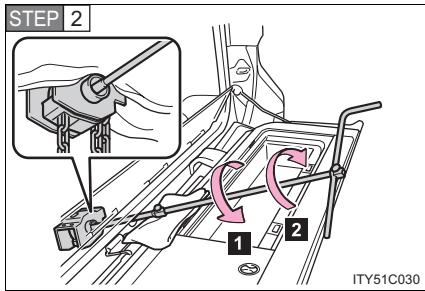


Assemble the jack handle extension as shown. Be sure to tighten each bolt securely.

Taking out the spare tire



Remove the cover.



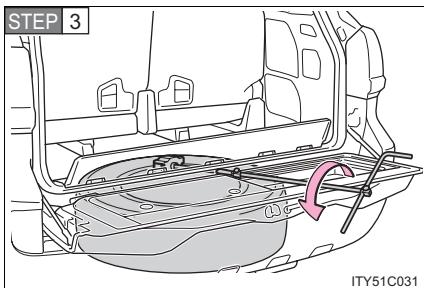
Insert the jack handle extension into the lowering screw.

1 Lower

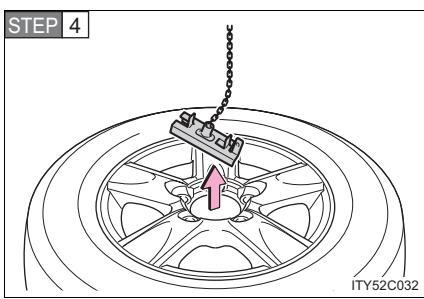
2 Raise

Place a rag under the jack handle extension to protect the back door.

5-2. Steps to take in an emergency



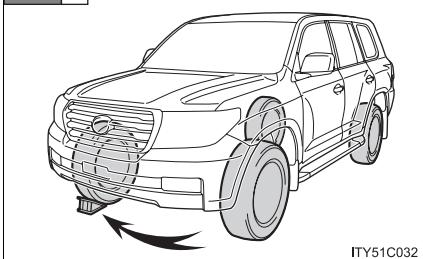
Lower the spare tire completely to the ground.



Pull out the spare tire and remove the holding bracket.

Replacing a flat tire

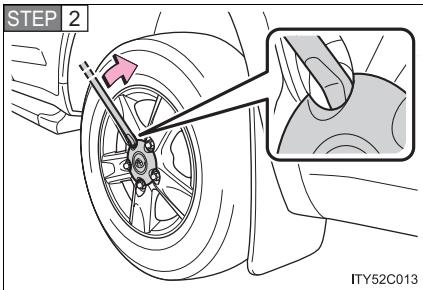
STEP 1



Chock the tires.

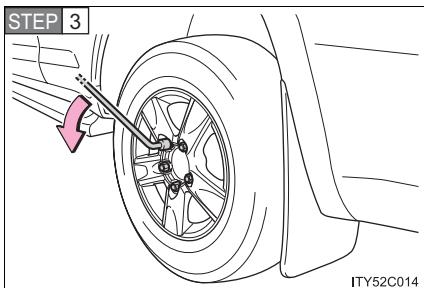
Flat tire		Wheel chock position
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire

STEP 2

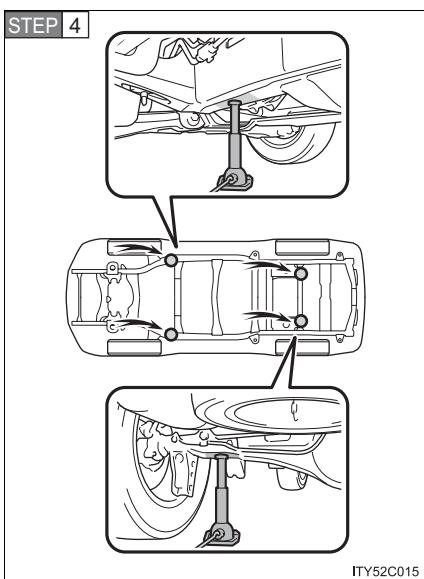


Pry off the wheel ornament, using the beveled end of the wheel ornament remover as shown.

5-2. Steps to take in an emergency



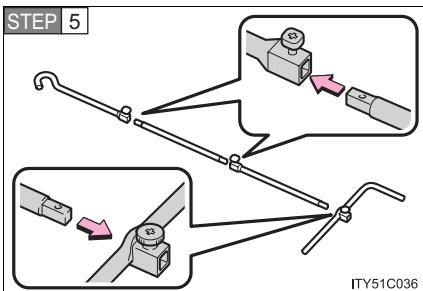
Slightly loosen the wheel nuts (one turn).



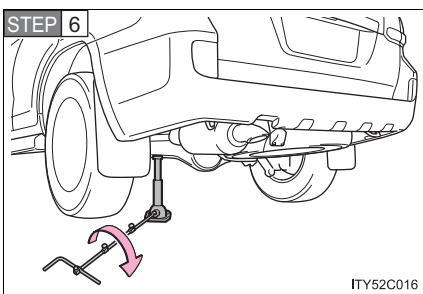
Position the jack at the jack points as shown.

Front - Under the chassis frame side rail

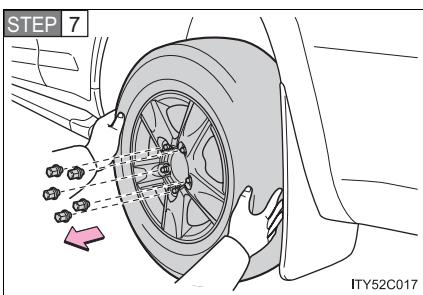
Rear - Under the rear axle housing



Assemble the jack handle extension as shown. Be sure to tighten each bolt securely.



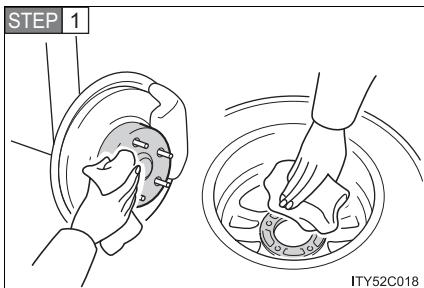
Raise the vehicle until the tire is slightly raised off the ground.



Remove all the wheel nuts and the tire.

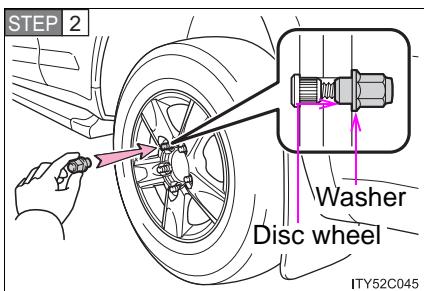
When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.

Installing the spare tire



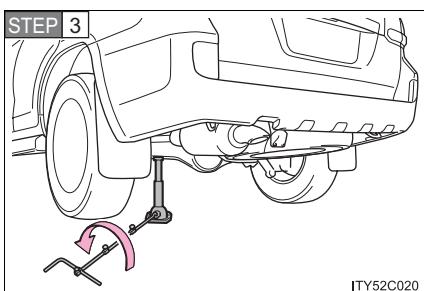
Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, and the tire may come off the vehicle.

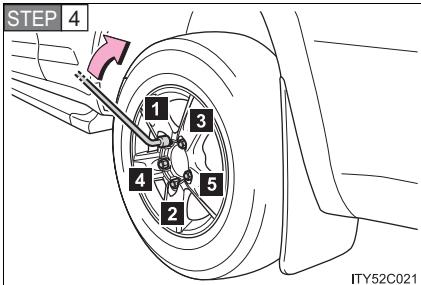


Install the spare tire and loosely tighten each nut by hand to approximately the same amount.

Turn the nut washers until they come into contact with the disc wheel.



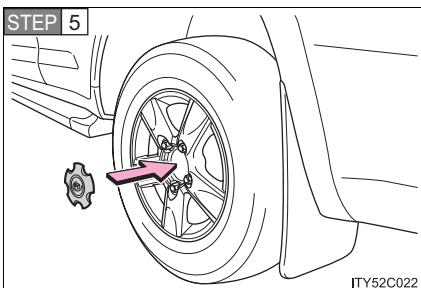
Lower the vehicle.



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

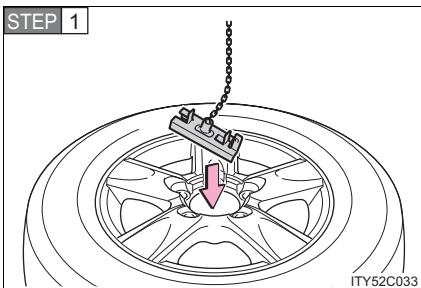
Tightening torque:

97 ft•lbf (131 N•m, 13.4 kgf•m)



Reinstall the wheel ornament.

Stowing the flat/spare tire, jack and tools



Lay down the tire with the outer side facing up, and install the holding bracket.

STEP 2 Raise the tire.

Pull the tire towards the rear of the vehicle when raising. After raising, visually check that tire is not interfering with components.

STEP 3 Stow the tools and jack securely, and replace all covers.

■ After completing the tire change

The tire pressure warning system must be reset. (→P. 406)

⚠ CAUTION

■ Using the tire jack

Improper use of the tire jack may lead to death or injuries due to the vehicle suddenly falling off the jack.

- 1 Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- 1 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.
- 1 Always check that the tire jack is securely set to the jack point.
- 1 Do not raise the vehicle while someone is in it.
- 1 When raising the vehicle, do not put an object on or under the jack.
- 1 Do not raise the vehicle to a height greater than that required to replace the tire.
- 1 Use a jack stand if it is necessary to get under the vehicle.
- 1 Do not put any part of your body under the vehicle supported by a jack.
- 1 Do not start or run the engine while your vehicle is supported by the jack.

Take particular care when lowering the vehicle to ensure that no one working on or near the vehicle may be injured.

■ Using the jack handle

Tighten all the jack handle bolts securely using a Phillips-head screwdriver, to prevent the extension parts from coming apart unexpectedly.

 CAUTION**n Replacing a flat tire**

Observe the following precautions to reduce the risk of death or serious injury.

- 1 Lower the spare tire completely to the ground before removing it from under the vehicle.
- 1 Do not try to remove the wheel ornament by hand. Take due care in handling the ornament to avoid unexpected personal injury.
- 1 Never use oil or grease on the wheel bolts or wheel nuts. The oil or grease can cause the wheel nuts to loosen, causing a serious accident. Remove any oil or grease on the wheel bolts or wheel nuts.
- 1 Have the wheel nuts tightened with a torque wrench to 97 ft•lbf (131 N•m, 13.4 kgf•m) as soon as possible after changing wheels. Failure to follow these precautions could cause the nuts to loosen and the wheels may fall off, which could lead to an accident causing death or serious injury.
- 1 Do not attach a heavily damaged wheel ornament, as it may fly off the wheel while the vehicle is moving.

NOTICE

n 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.

n When stowing the flat tire

Ensure that there is no object caught between the tire and the vehicle underbody.

n When replacing the tires

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

1 Replace the grommets for the tire pressure warning valves and transmitters as well.

n To avoid damaging the tire pressure warning valves and transmitters

Do not use liquid sealants on flat tires.

5-2. Steps to take in an emergency

If the engine will not start

If the engine still does not start after following the correct starting procedure (→P. 151) or releasing the steering lock (→P. 153), confirm the following points.

n The engine will not start when the starter motor operates normally.

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

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

- 1 The engine may be flooded.

Try to restart the engine once more following correct starting procedures. (→P. 152)

- 1 There may be a malfunction in the engine immobilizer system.
(→P. 95)

n The starter motor turn 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.

- 1 The battery may be discharged. (→P. 497)

- 1 The battery terminal connections may be loose or corroded.

n 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. 490)

n 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.

- 1 One or both of the battery terminals may be disconnected.
- 1 The battery may be discharged. (→P. 497)
- 1 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 Put the shift lever in “P”.

STEP 3 Set the “ENGINE START STOP” switch to ACCESSORY mode.

STEP 4 Press and hold the “ENGINE START STOP” switch 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 checked by your Toyota dealer.

5-2. Steps to take in an emergency

If the shift lever cannot be shifted from P

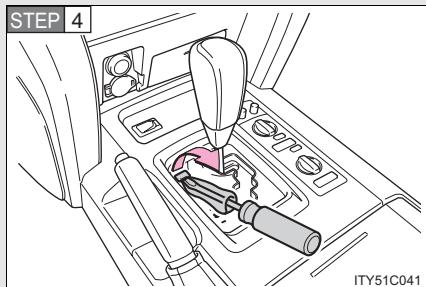
If the shift lever cannot be shifted with your foot on the brake, there may be a problem with the shift lock system (a system to prevent accidental operation of the shift lever). Have the vehicle inspected by your Toyota dealer immediately.

The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

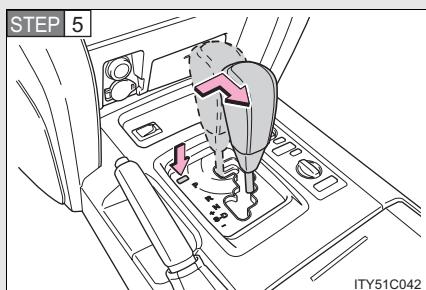
STEP 1 Set the parking brake.

STEP 2 Set the “ENGINE START STOP” switch to the ACCES-SORY mode.

STEP 3 Depress the brake pedal.



Pry the cover up with a flat-head screwdriver or equivalent.



Press the shift lock override button.

The shift lever can be shifted while the button is pressed.

5-2. Steps to take in an emergency

If you lose your keys

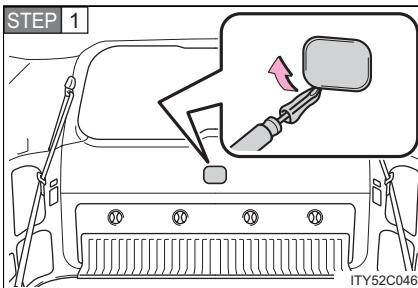
New genuine Toyota keys can be made by your Toyota dealer using one of the other keys and the key number stamped on your key number plate.

5-2. Steps to take in an emergency

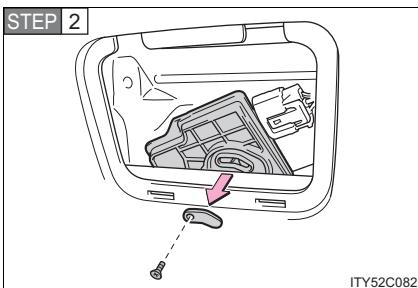
If you cannot operate back door opener

If the back door opener does not operate, there may be a problem with the back door opener system. Have the vehicle inspected by your Toyota dealer immediately.

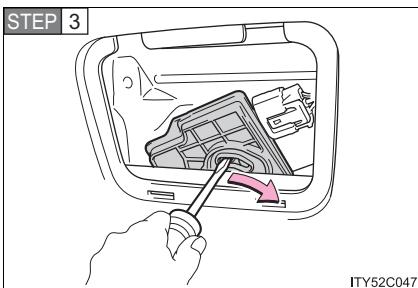
The following steps may be used as an emergency measure to ensure that the back door can be opened from the inside.



Remove the cover on the back door trim.



Remove the screw and cover.



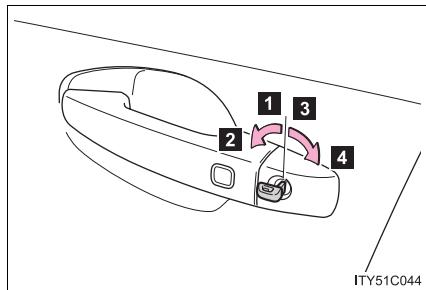
Push the lever with the back door motor, open the back door.

5-2. Steps to take in an emergency

If the electronic key does not operate properly

If communication between the electronic key and vehicle is interrupted (→P. 26) or the electronic key cannot be used because the battery is depleted, the smart key system and wireless remote control cannot be used. In such cases, the doors can be opened or the engine can be started by following the procedure below.

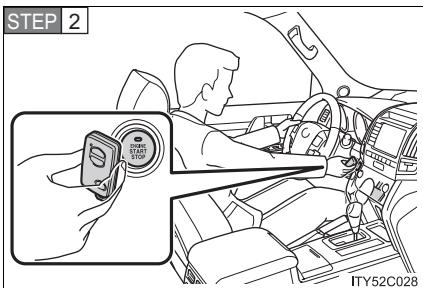
Locking and unlocking the doors and key linked functions



- 1** Locks all doors
- 2** Closes the windows/moon roof (turn and hold)
- 3** Unlocks all doors
Turning the key rearward unlocks the driver's door. Turning the key once again unlocks the other doors.
- 4** Opens the windows/moon roof (turn and hold)

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

STEP 1 Shift the shift lever to “P” and apply the brakes.



STEP 2 Touch the Toyota emblem side of the electronic key to the “ENGINE START STOP” switch.

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

STEP 3 To change “ENGINE START STOP” switch modes: Within 10 seconds of the buzzer sounding, release the brake pedal and press the “ENGINE START STOP” switch. Modes can be changed each time the switch is pressed. (→P. 151)

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

In the event that the “ENGINE START STOP” switch cannot be operated, contact your Toyota dealer.

n Stopping the engine

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

n Replacing the key battery

As this above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery depletes. (→P. 423)

n Alarm

Using the mechanical key to lock the doors will not set the alarm system. If a door is unlocked using the mechanical key when the alarm system is set, the alarm may be triggered. (→P. 97)

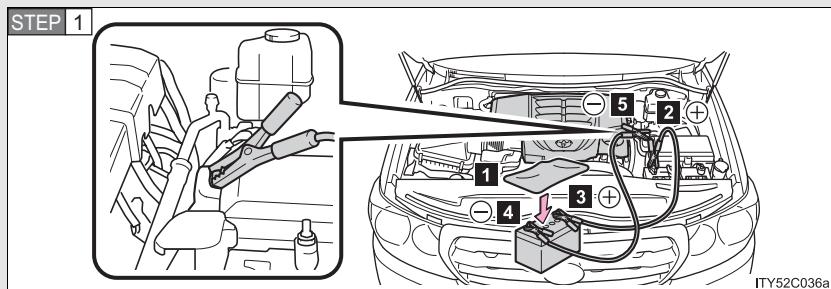
5-2. Steps to take in an emergency

If the battery is discharged

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

You can call your Toyota dealer or qualified repair shop.

If you have a set of jumper (or booster) cables and a second vehicle with a 12 volt battery, you can jump start your Toyota following the steps below.



Connecting the jumper cables.

- 1 If required, remove all vent plugs from the booster battery. Lay a cloth over the open vents on the booster battery. (This helps reduce the explosion hazard, personal injuries and burns.)
- 2 Positive (+) battery terminal on your vehicle.
- 3 Positive (+) battery terminal on the second vehicle.
- 4 Negative (-) battery terminal on the second vehicle.
- 5 Connect the jumper cable to ground on your vehicles as shown in the illustration.

STEP 2 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.

STEP 3 Open and close any of the doors with the “ENGINE START STOP” switch off.

STEP 4 Maintain the engine speed of the second vehicle and start your vehicle’s engine.

STEP 5 Once the vehicle’s engine has started, remove the jumper cables in the exact reverse order in which they were connected.

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

n Starting the engine when the battery is discharged

The engine cannot be started by push-starting.

n Avoiding a discharged battery

- 1 Turn off the headlights and the audio system while the engine is turned off.
- 1 Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic, etc.

⚠ CAUTION

■ **Avoiding battery fires or explosions**

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

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

■ **Battery precautions**

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

- 1 When working with the battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- 1 Do not lean over the battery.
- 1 If the battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention.
Place a wet sponge or cloth over the affected area until medical attention can be received.
- 1 Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- 1 Do not allow children near the battery.



NOTICE

n When handling jumper cables

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

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

If your engine overheats

STEP 1 Stop the vehicle in a safe place and turn off the air conditioning system.

STEP 2 Check to see if steam is coming out from under the hood.

If you see steam:

Stop the engine. Carefully lift the hood after the steam subsides and then restart the engine.

If you do not see steam:

Leave the engine running and carefully lift the hood.

STEP 3 Remove the engine compartment cover. (→P. 390)

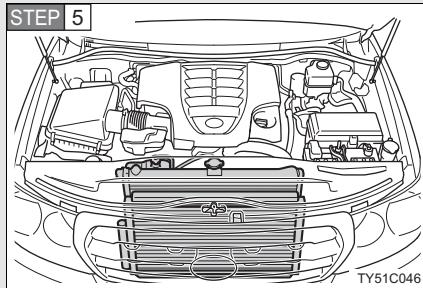
STEP 4 Check to see if the cooling fan is operating.

If the fan is operating:

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

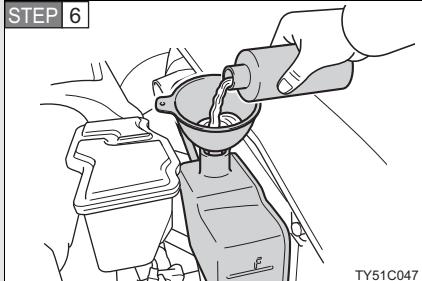
If the fan is not operating:

Stop the engine immediately and call your local Toyota dealer.



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

STEP 6



Add coolant if required.

Water can be used in an emergency measure if coolant is unavailable. (→P. 512)

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

n Overheating

In the following situations, your vehicle may be overheating.

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

⚠ CAUTION

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

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



NOTICE

n 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.

5-2. Steps to take in an emergency

If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt, or snow.

STEP 1 Stop the engine. Set the parking brake and shift the shift lever in “P”.

STEP 2 Remove the mud, snow or sand from around the stuck tire.

STEP 3 Place wood, stones or some other material to help provide traction under the tires.

STEP 4 Restart the engine.

STEP 5 Turn off VSC. (→ P. 214)

STEP 6 Shift the shift lever to “D” or “R” position and carefully apply the accelerator to free the vehicle.

⚠ CAUTION

When attempting to free a stuck vehicle

If you choose to rock the vehicle back and forth to free it, make sure the surrounding area is clear, to avoid striking other vehicles, objects or persons. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

When shifting the shift lever

Be careful not to shift the shift lever with the accelerator pedal depressed. This may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

 **NOTICE****n To avoid damaging the transmission and other components**

- 1 Avoid spinning the wheels and do not rev the engine.
- 1 If the vehicle remains stuck after trying these procedures, the vehicle may require towing to be freed.

5-2. Steps to take in an emergency

6-1. Specifications

Maintenance data (fuel, oil level, etc.)

Dimensions and weights

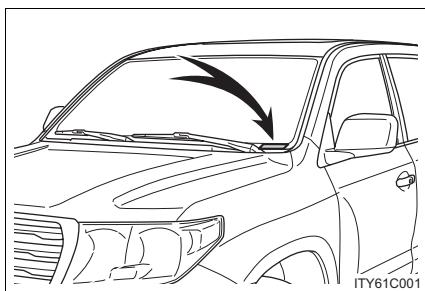
Overall length	194.9 in. (4950 mm)
Overall width	77.6 in. (1970 mm)
Overall height *	74.0 in. (1880 mm)
Wheelbase	112.2 in. (2850 mm)
Tread	Front 64.6 in. (1640 mm)
	Rear 64.4 in. (1635 mm)
Vehicle capacity weight (Occupants + luggage)	1235 lb. (560 kg)
Towing capacity (trailer weight + cargo weight)	8500 lb. (3856 kg)

*:Unladen vehicle

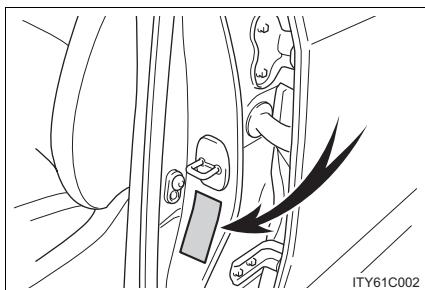
Vehicle identification

n 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.

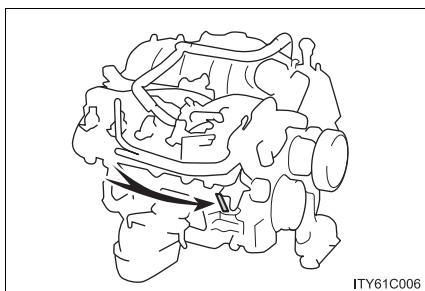


This number is stamped on the top left of the instrument panel.



This number is also on the Certification Label.

n Engine number



The engine number is stamped on the engine block as shown.

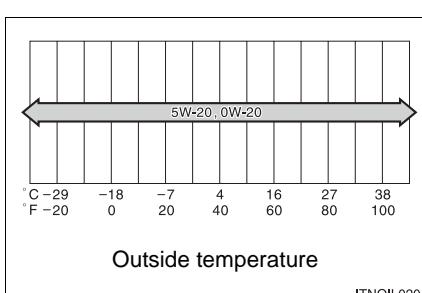
Engine

Model	3UR-FE
Type	8-cylinder V type, 4-cycle, gasoline
Bore and stroke	3.70 × 4.02 in. (94.0 × 102.0 mm)
Displacement	345.6 cu.in. (5663 cm ³)
Valve clearance (engine cold)	Automatic adjustment
Drive belt tension	Automatic adjustment

Fuel

Fuel type	Unleaded gasoline only
Octane rating	87 (Research octane number 91) or higher
Fuel tank capacity	24.6 gal. (93 L, 20.5 Imp.gal)

Lubrication system

Oil capacity Drain and refill (Reference)	
With filter	7.4 qt. (7.0 L, 6.2 Imp.qt.)
Without filter	7.0 qt. (6.6 L, 5.8 Imp.qt.)
Oil grade	ILSAC multigrade engine oil
Recommended oil viscosity	<p>Use Toyota approved "Toyota Genuine Motor Oil" or equivalent to satisfy the above grade and viscosity.</p>  <p>Outside temperature</p> <p>ITNOIL020</p>

Oil viscosity:

- 1 The 0W portion of the oil viscosity rating indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- 1 The 20 in 0W-20 indicates the oil viscosity when the oil is as its operating temperature. An oil with a higher viscosity may be better suited if the vehicle is operated at high speeds, or under extreme load condition.

Cooling system

Capacity	16.3 qt. (15.4 L, 13.6 Imp.qt.)
Coolant type	<p>Use either of the following:</p> <ul style="list-style-type: none">• “Toyota Super Long Life Coolant”• Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology <p>Do not use plain water alone.</p>

Ignition system

Spark plug	
Make	DENSO
Gap	SK20HR11 0.043 in. (1.1 mm)

NOTICE

Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust gap when tuning engine.

Electrical system

Battery	
Open voltage at 68°F (20°C):	12.6 — 12.8 V Fully charged 12.2 — 12.4 V Half charged 11.8 — 12.0 V Discharged (Voltage is checked 20 minutes after the key is removed with all lights turned off.)
Charging rates	5 A max.

Differential

Oil capacity	
Front	2.00 qt. (1.90 L, 1.67 Imp.qt.)
Rear	4.39 qt. (4.15 L, 3.65 Imp.qt.)
Oil type and viscosity	Toyota Genuine Differential gear oil LT 75W-85 GL-5 or equivalent

“Toyota Genuine Differential Oil” is filled in your Toyota vehicle at factory fill.

Use Toyota approved “Toyota Genuine Differential Gear Oil” or an equivalent of matching quality to satisfy the above specification. Please contact your Toyota dealer for further details.

Automatic transmission

Fluid capacity	Without oil cooler	11.5 qt. (10.9 L, 9.6 Imp.qt.)
	With oil cooler	11.7 qt. (11.1 L, 9.8 Imp.qt.)
Fluid type		Toyota Genuine ATF WS

NOTICE

■ Automatic transmission fluid type

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

Transfer

Oil capacity	1.53 qt. (1.45 L, 1.28 Imp.qt.)
Oil type	Gear oil API GL-5
Recommended oil viscosity	SAE 75W-90

Brakes

Pedal clearance ^{*1}	3.62 in. (92 mm) Min.
Pedal free play	0.04 — 0.24 in. (1.0 — 6.0 mm)
Brake pad wear limit	0.04 in. (1.0 mm)
Parking brake lining wear limit	0.04 in. (1.0 mm)
Parking brake adjustment ^{*2}	5 — 7 clicks
Fluid type	SAE J1703 or FMVSS No. 116 DOT 3

^{*1}: Minimum pedal clearance when depressed with a force of 110 lbf (490 N, 50 kgf) while the engine is running.

^{*2}: Parking brake pedal travel when pulled with a force of 45 lbf (200 N, 20 kgf).

Chassis lubrication

Propeller shafts	
Spider	Lithium base chassis grease, NLGI No.2
Slide yoke	Molybdenum-disulfide lithium base chassis grease, NLGI No.2 or lithium base chassis grease, NLGI No.2

Steering

Free play	Less than 1.18 in. (30 mm)
Power steering fluid type	Automatic transmission fluid DEXRON® II or III

Tires and wheels

Tire size	P285/60R18 114V
Tire inflation pressure (Recommended cold tire inflation pressure)	<p>Normal driving</p> <p>Front tires: 33 psi (230 kPa, 2.3 kgf/cm² or bar)</p> <p>Rear tires: 33 psi (230 kPa, 2.3 kgf/cm² or bar)</p> <p>Spare tire: 33 psi (230 kPa, 2.3 kgf/cm² or bar)</p> <p>Trailer towing</p> <p>Front tires: 33 psi (230 kPa, 2.3 kgf/cm² or bar)</p> <p>Rear tires: 33 psi (230 kPa, 2.3 kgf/cm² or bar)</p> <p>Spare tire: 33 psi (230 kPa, 2.3 kgf/cm² or bar)</p>
Wheel size	18 × 8 J
Wheel nut torque	97 ft•lbf (131 N•m, 13.4 kgf•m)

Light bulbs

	Light Bulbs	Bulb No.	W	Type
Exterior	Headlights			
	Low beam	9006	55	A
	High beam	9005	60	B
	Front turn signal lights	—	27	E
	Parking lights	—	5	E
	Front side marker lights	—	5	E
	Front fog lights	—	51	C
	Rear turn signal lights	7440	21	E
Interior	Back-up lights	921	16	E
	License plate lights	168	5	E
	Front interior light	—	8	E
	Rear interior lights			
	With rear personal lights	—	8	E
	Without rear personal lights	—	8	F
	Front personal lights	—	8	E
	Rear personal lights	—	8	E
	Vanity lights	—	1.5	D
	Door courtesy lights	—	5	E
	Glove box light	—	1.2	E

- A: H11 halogen bulbs
- B: HB3 halogen bulbs
- C: HB4 halogen bulbs
- D: Single end bulbs
- E: Wedge base bulbs
- F: Double end bulbs

6-1. Specifications

Fuel information

Your vehicle must use only unleaded gasoline.

Select octane rating 87 (Research Octane Number 91) or higher. Use of unleaded gasoline with an octane rating lower than 87 may result in engine knocking. Persistent knocking can lead to engine damage.

At minimum, the gasoline you use should meet the specifications of ASTM D4814 in the U.S.A.

n Fuel tank opening for unleaded gasoline

To help prevent incorrect fueling, your Toyota has a fuel tank opening that only accommodates the special nozzle on unleaded fuel pumps.

n If your engine knocks

- 1 Consult your Toyota dealer.
- 1 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.

n Gasoline quality

In very few cases, driveability problems may be caused by the brand of gasoline you are using. If driveability problems persist, try changing the brand of gasoline. If this does not correct the problem, consult your Toyota dealer.

n **Gasoline quality standards**

- 1 Automotive manufacturers in the US, Europe and Japan have developed a specification for fuel quality called World-Wide Fuel Charter (WWFC) that is expected to be applied worldwide.
- 1 The WWFC consists of four categories that are based on required emission levels. In the US, category 4 has been adopted.
- 1 The WWFC improves air quality by lowering emissions in vehicle fleets, and customer satisfaction through better performance.

n **Toyota recommends the use of gasoline containing detergent additives**

- 1 Toyota recommends the use of gasoline that contains detergent additives to avoid build-up of engine deposits.
- 1 All gasoline sold in the US contains detergent additives to clean and/or keep clean intake systems.

n **Toyota recommends the use of cleaner burning gasoline**

Cleaner burning gasoline, including reformulated gasoline that contains oxygenates such as ethanol or MTBE (Methyl Tertiary Butyl Ether) is available in many areas.

Toyota recommends the use of cleaner burning gasoline and appropriately blended reformulated gasoline. These types of gasoline provide excellent vehicle performance, reduce vehicle emissions and improve air quality.

n **Toyota does not recommend blended gasoline**

- 1 Toyota allows the use of oxygenate blended gasoline where the oxygenate content is up to 10% ethanol or 15% MTBE.
- 1 If you use gasohol in your Toyota, be sure that it has an octane rating no lower than 87.
- 1 Toyota DOES NOT recommend the use of gasoline containing methanol.

n Toyota does not recommend gasoline containing MMT

Some gasoline contains octane enhancing additive called MMT (Methylcyclopentadienyl Manganese Tricarbonyl).

Toyota DOES NOT recommend the use of gasoline that contains MMT. If fuel containing MMT is used, your emission control system may be adversely affected.

The malfunction indicator lamp on the instrument cluster may come on. If this happens, contact your Toyota dealer for service.

 **NOTICE**

n Notice on fuel quality

- 1 Do not use improper fuels. If improper fuels are used the engine will be damaged.
- 1 Do not use leaded gasoline.
Leaded gasoline can cause damage to your vehicle's three-way catalytic converters causing the emission control system to malfunction.
- 1 Do not use gasohol other than that stated here.
Other gasohol may cause fuel system damage or vehicle performance problems.
- 1 Using unleaded gasoline with an octane number or rating lower than that stated here will cause persistent heavy knocking.
At worst, this will lead to engine damage.

n Fuel-related poor driveability

If after using a different type of fuel, poor driveability is encountered (poor hot starting, vaporization, engine knocking, etc.), discontinue the use of that type of fuel.

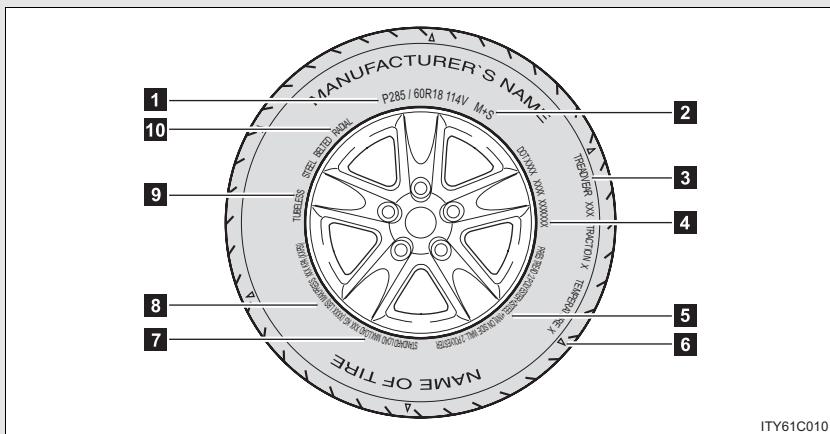
n When refueling with gasohol

Take care not to spill gasohol. It can damage your vehicle's paint.

6-1. Specifications

Tire information

Typical tire symbols



1 Tire size (→P. 523)

2 Summer tire or all season tire (→P. 409)

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

3 Uniform tire quality grading

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

4 DOT and Tire Identification Number (TIN) (→P. 522)

5 Tire ply composition and materials

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

6 Location of treadwear indicators (→P. 524)

7 Load limit at maximum cold tire inflation pressure (→P. 526)

8 Maximum cold tire inflation pressure (→P. 526)

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

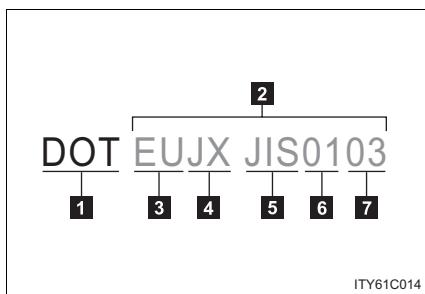
9 TUBELESS or TUBE TYPE

A tubeless tire does not have a tube and air is directly filled in the tire. A tube type tire has a tube inside the tire and the tube maintains the air pressure.

10 Radial tires or bias-ply tires

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

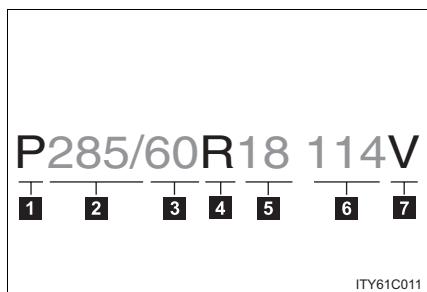
Typical DOT and tire identification number (TIN)



*:The DOT symbol certifies that the tire conforms to applicable Federal Motor Vehicle Safety Standards.

Tire size

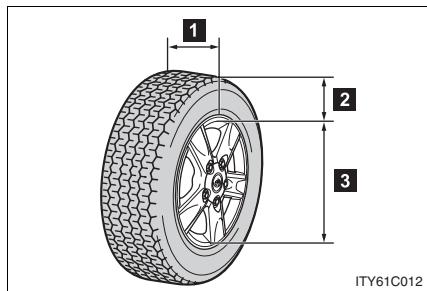
Typical tire size information



The illustration indicates typical tire size.

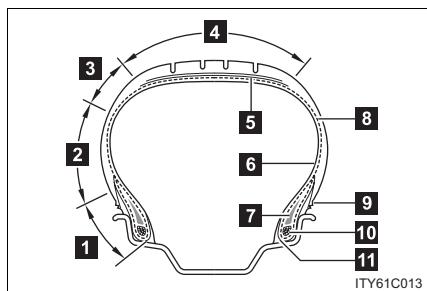
- 1 Tire use
(P = Passenger car,
T = Temporary use)
- 2 Section width (millimeters)
- 3 Aspect ratio
(tire height to section width)
- 4 Tire construction code
(R = Radial, D = Diagonal)
- 5 Wheel diameter (inches)
- 6 Load index (2 or 3 digits)
- 7 Speed symbol
(alphabet with one letter)

Tire dimensions



- 1 Section width
- 2 Tire height
- 3 Wheel diameter

Tire section names



- 1 Bead
- 2 Sidewall
- 3 Shoulder
- 4 Tread
- 5 Belt
- 6 Inner liner
- 7 Reinforcing rubber
- 8 Carcass
- 9 Rim lines
- 10 Bead wires
- 11 Chafers

Uniform Tire Quality Grading

This information has been prepared in accordance with regulations issued by the National Highway Traffic Safety Administration of the U.S.A. Department of Transportation.

It provides the purchasers and/or prospective purchasers of Toyota vehicles with information on uniform tire quality grading.

Your Toyota dealer will help answer any questions you may have as you read this information.

DOT quality grades

All passenger vehicle tires must conform to Federal Safety Requirements in addition to these grades. Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width.

For example: Treadwear 200 Traction AA Temperature A

n **Treadwear**

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course.

For example, a tire graded 150 would wear one and a half (1 - 1/2) times as well on the government course as a tire graded 100.

The relative performance of tires depends upon the actual conditions of their use, however, and may depart significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

n **Traction AA, A, B, C**

The traction grades, from highest to lowest, are AA, A, B and C, and they represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete.

A tire marked C may have poor traction performance.

Warning: The traction grade assigned to this tire is based on braking (straight ahead) traction tests and does not include cornering (turning) traction.

n **Temperature A, B, C**

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure.

The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No. 109.

Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Warning: The temperature grades for this tire are established for a tire that is properly inflated and not overloaded.

Excessive speed, underinflation, or excessive loading, either separately or in combination, can cause heat buildup and possible tire failure.

Glossary of tire terminology

Tire related term	Meaning
Cold tire inflation pressure	Tire pressure when the vehicle has been parked for three hours or more, or has not been driven more than 1 mile or 1.5 km under that condition
Maximum inflation pressure	The maximum cold inflated pressure to which a tire may be inflated, shown on the sidewall of the tire
Recommended inflation pressure	Cold tire inflation pressure recommended by a manufacturer.
Accessory weight	The combined weight (in excess of those standard items which may be replaced) of transmission, power steering, power brakes, power windows, power seats, radio and heater, to the extent that these items are available as factory-installed equipment (whether installed or not)
Curb weight	The weight of a motor vehicle with standard equipment, including the maximum capacity of fuel, oil and coolant, and if so equipped, air conditioning and additional weight optional engine
Maximum loaded vehicle weight	The sum of: (a) Curb weight (b) Accessory weight (c) Vehicle capacity weight (d) Production options weight

Tire related term	Meaning
Normal occupant weight	150 lb. (68 kg) times the number of occupants specified in the second column of Table 1* that follows
Occupant distribution	Distribution of occupants in a vehicle as specified in the third column of Table 1* below
Production options weight	The combined weight of installed regular production options weighing over 5 lb. (2.3 kg) in excess of the standard items which they replace, not previously considered in curb weight or accessory weight, including heavy duty brakes, ride levelers, roof rack, heavy duty battery, and special trim
Rim	A metal support for a tire or a tire and tube assembly upon which the tire beads are seated
Rim diameter (Wheel diameter)	Nominal diameter of the bead seat
Rim size designation	Rim diameter and width
Rim type designation	The industry manufacturer's designation for a rim by style or code
Rim width	Nominal distance between rim flanges
Vehicle capacity weight (Total load capacity)	The rated cargo and luggage load plus 150 lb. (68 kg) times the vehicle's designated seating capacity
Vehicle maximum load on the tire	The load on an individual tire that is determined by distributing to each axle its share of the maximum loaded vehicle weight, and dividing by two

Tire related term	Meaning
Vehicle normal load on the tire	The load on an individual tire that is determined by distributing to each axle its share of curb weight, accessory weight, and normal occupant weight (distributed in accordance with Table 1* below), and dividing it by two
Weather side	The surface area of the rim not covered by the inflated tire
Bead	The part of the tire that is made of steel wires, wrapped or reinforced by ply cords and that is shaped to fit the rim
Bead separation	A breakdown of the bond between components in the bead
Bias ply tire	A pneumatic tire in which the ply cords that extend to the beads are laid at alternate angles substantially less than 90 degrees to the centerline of the tread
Carcass	The tire structure, except tread and sidewall rubber which, when inflated, bears the load
Chunking	The breaking away of pieces of the tread or sidewall
Cord	The strands forming the plies in the tire
Cord separation	The parting of cords from adjacent rubber compounds
Cracking	Any parting within the tread, sidewall, or inner-liner of the tire extending to cord material
CT	A pneumatic tire with an inverted flange tire and rim system in which the rim is designed with rim flanges pointed radially inward and the tire is designed to fit on the underside of the rim in a manner that encloses the rim flanges inside the air cavity of the tire

Tire related term	Meaning
Extra load tire	A tire designed to operate at higher loads and at higher inflation pressures than the corresponding standard tire
Groove	The space between two adjacent tread ribs
Innerliner	The layer(s) forming the inside surface of a tubeless tire that contains the inflating medium within the tire
Innerliner separation	The parting of the innerliner from cord material in the carcass
Intended outboard sidewall	(a)The sidewall that contains a whitewall, bears white lettering, or bears manufacturer, brand, and/or model name molding that is higher or deeper than the same molding on the other sidewall of the tire, or (b)The outward facing sidewall of asymmetrical tire that has a particular side that must always face outward when mounted on a vehicle
Light truck (LT) tire	A tire designated by its manufacturer as primarily intended for use on lightweight trucks or multipurpose passenger vehicles
Load rating	The maximum load that a tire is rated to carry for a given inflation pressure
Maximum load rating	The load rating for a tire at the maximum permissible inflation pressure for that tire
Maximum permissible inflation pressure	The maximum cold inflation pressure to which a tire may be inflated
Measuring rim	The rim on which a tire is fitted for physical dimension requirements
Open splice	Any parting at any junction of tread, sidewall, or innerliner that extends to cord material
Outer diameter	The overall diameter of an inflated new tire

Tire related term	Meaning
Overall width	The linear distance between the exteriors of the sidewalls of an inflated tire, including elevations due to labeling, decorations, or protective bands or ribs
Passenger car tire	A tire intended for use on passenger cars, multipurpose passenger vehicles, and trucks, that have a gross vehicle weight rating (GVWR) of 10,000 lb. or less
Ply	A layer of rubber-coated parallel cords
Ply separation	A parting of rubber compound between adjacent plies
Pneumatic tire	A mechanical device made of rubber, chemicals, fabric and steel or other materials, that, when mounted on an automotive wheel, provides the traction and contains the gas or fluid that sustains the load
Radial ply tire	A pneumatic tire in which the ply cords that extend to the beads are laid at substantially 90 degrees to the centerline of the tread
Reinforced tire	A tire designed to operate at higher loads and at higher inflation pressures than the corresponding standard tire
Section width	The linear distance between the exteriors of the sidewalls of an inflated tire, excluding elevations due to labeling, decoration, or protective bands
Sidewall	That portion of a tire between the tread and bead
Sidewall separation	The parting of the rubber compound from the cord material in the sidewall

Tire related term	Meaning
Snow tire	A tire that attains a traction index equal to or greater than 110, compared to the ASTM E-1136 Standard Reference Test Tire, when using the snow traction test as described in ASTM F-1805-00, Standard Test Method for Single Wheel Driving Traction in a Straight Line on Snow-and Ice-Covered Surfaces, and which is marked with an Alpine Symbol () on at least one sidewall
Test rim	The rim on which a tire is fitted for testing, and may be any rim listed as appropriate for use with that tire
Tread	That portion of a tire that comes into contact with the road
Tread rib	A tread section running circumferentially around a tire
Tread separation	Pulling away of the tread from the tire carcass
Treadwear indicators (TWI)	The projections within the principal grooves designed to give a visual indication of the degrees of wear of the tread
Wheel-holding fixture	The fixture used to hold the wheel and tire assembly securely during testing

*: Table 1 — Occupant loading and distribution for vehicle normal load for various designated seating capacities

6-1. Specifications

Designated seating capacity, Number of occupants	Vehicle normal load, Number of occupants	Occupant distribution in a normally loaded vehicle
2 through 4	2	2 in front
5 through 10	3	2 in front, 1 in second seat
11 through 15	5	2 in front, 1 in second seat, 1 in third seat, 1 in fourth seat
16 through 20	7	2 in front, 2 in second seat, 2 in third seat, 1 in fourth seat

Customizable features

Your vehicle includes a variety of electronic features that can be personalized to your preferences. Programming these preferences requires specialized equipment and may be performed by an authorized Toyota dealership.

Some function settings are changed simultaneously with other functions being customized. Contact your Toyota dealer for further details.

Item	Function	Default setting	Customized setting
Wireless remote control →P. 40	Wireless remote control	ON	OFF
	Operation signal (Emergency flashers)	ON	OFF
	Open door warning function (when locking the vehicle)	ON	OFF
	Unlocking operation	Driver's door unlocked in one step, all doors unlocked in two steps	All doors unlocked in one step
	Automatic door locking function (if a door is not opened after being unlocked)	ON	OFF
	Time elapsed before automatic door lock function is activated if door is not opened after being unlocked	60 seconds	30 seconds 120 seconds

Item	Function	Default setting	Customized setting
Door lock (→P. 43)	Unlocking using a key	Driver's door unlocked in one step, all doors unlocked in two steps	All doors unlocked in one step
	Speed-detecting automatic door lock function	OFF	ON
	Shift the shift lever to position other than "P" locks all doors	ON	OFF
	Shift the shift lever to "P" unlocks all doors	ON	OFF
	Opening driver's door unlocks all doors	OFF	ON
Power windows (→P. 85)	Mechanical key linked operation (close)	ON	OFF
	Mechanical key linked operation (open)	ON	OFF
	Wireless remote control linked operation (open)	ON	OFF
	Linked entry function	ON	OFF
Automatic light control system (→P. 174)	Light sensor sensitivity	Level 3	Level 1 to 5
	Daytime running light system	ON	OFF
	Time elapsed before headlights automatically turn off after doors are closed	30 seconds	0 seconds
			60 seconds
			90 seconds

Item	Function	Default setting	Customized setting
Illumination (\rightarrow P. 338)	Time period before lights turn off	15 seconds	7.5 seconds
			30 seconds
	Operation after the “ENGINE START STOP” switch is turned off	ON	OFF
	Operation when the doors are unlocked	ON	OFF
	Operation when you approach the vehicle with the electronic key on your person (When the interior light switch [ON/DOOR/OFF] is ON)	ON	OFF
Moon roof (\rightarrow P. 88)	Mechanical key linked operation	On	Off
	Mechanical key linked operation	Open and close	Open only
			Close only
	Linked operation of components when door key is used	Slide only	Tilt only
	Wireless remote control linked operation	On	Off
	Linked operation of components when wireless remote control used	Slide only	Tilt only
	Linked entry function	On	Off

Multi-information display (→P. 170)

Available languages	English (U.S.A.), English (UK), French, German, Spanish, Italian, Japanese, Simplified Chinese and Traditional Chinese
---------------------	--

Reporting safety defects for U.S. owners

If you believe that your vehicle has a defect which could cause a crash or could cause injury or death, you should immediately inform the National Highway Traffic Safety Administration (NHTSA) in addition to notifying Toyota Motor Sales, U.S.A., Inc. (Toll-free: 1-800-331-4331).

If NHTSA receives similar complaints, it may open an investigation, and if it finds that a safety defect exists in a group of vehicles, it may order a recall and remedy campaign. However, NHTSA cannot become involved in individual problems between you, your dealer, or Toyota Motor Sales, U.S.A., Inc.

To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to <http://www.safercar.gov>; or write to: Administrator, NHTSA, 1200 New Jersey Ave, S.E., Washington, DC 20590. You can also obtain other information about motor vehicle safety from <http://www.safercar.gov>.

Alphabetical index

Alphabetical index

A	A/C	
	Air conditioning filter	420
	Automatic air conditioning system	254
	ABS	212
	Active traction control	212
	Air conditioning filter	420
	Air conditioning system	
	Air conditioning filter	420
	Automatic air conditioning system	254
	Airbags	
	Airbag operating conditions...106	
	Airbag precautions for your child	110
	Airbag warning light.....463	
	Curtain shield airbag operating conditions.....106	
	Curtain shield airbag precautions	110
	Front passenger occupant classification system	118
	General airbag precautions...110	
	Locations of airbags	102
	Modification and disposal of airbags	113
	Proper driving posture...100, 110	
	Roll sensing of curtain shield airbags off switch	116
	Side airbag operating conditions.....106	
	Side airbag precautions	110
	SRS airbags	102
	Alarm97	
	Antenna275	
	Anti-lock brake system212	
	Armrest362	
	Ashrays355	
	Audio input295	
	Audio system	
	Antenna.....275	
	Audio input	295
	AUX adapter	295
	CD player/changer	277
	MP3/WMA disc	285
	Optimal use293	
	Portable music player	295
	Radio272	
	Steering wheel audio switch.....296	
	Automatic air conditioning system	254
	Automatic light control system	174
	Automatic transmission	
	Automatic transmission.....155	
	If the shift lever cannot be shifted from P	491
	S mode.....158	
	AUX adapter	295
B	Back door	
	Back door.....48	
	Wireless remote control key....40	
	Back-up lights	
	Replacing light bulbs.....439	
	Wattage.....517	
	Battery	
	Checking	401
	If the vehicle has discharged battery	497
	Preparing and checking before winter	233
	Bottle holder346	
	Brake	
	Fluid	398
	Parking brake.....162	
	Brake assist212	
	Break-in tips	143
	Brightness control	
	Instrument light control.....165	

C**Care**

Exterior	374
Interior	376
Seat belts	377
Card holder	348
Cargo capacity	225
Cargo net hooks	364
CD player/changer	277
Center differential lock/unlock switch	201
Chains	235
Child-protectors	44
Child restraint system	
Booster seats, definition	123
Booster seats, installation	127
Convertible seats, definition.....	123
Convertible seats, installation	127
Front passenger occupant classification system	117
Infant seats, definition	123
Infant seats, installation.....	127
Installing CRS with LATCH system.....	128
Installing CRS with seat belts.....	130
Installing CRS with top straps	135
Child safety	
Airbag precautions	110
Battery precautions	403, 425
Child-protectors	44
Child restraint system.....	123
How your child should wear the seat belt	75
Installing child restraints.....	127
Moon roof precautions.....	90
Power window lock switch.....	85
Power window precautions....	87
Removed key battery precautions	423

Seat belt extender

precautions	78
Seat belt precautions	76
Seat heater precautions	360

Cigarette lighter**Cleaning**

Exterior.....	374
Interior	376
Seat belts	377

Clock**Condenser****Console box****Cool box****Cooling system**

Engine overheating	501
--------------------------	-----

Cruise control**Cup holder****Crawl Control****Curtain shield airbags****Customizable features****D****Daytime running light**

system	176
--------------	-----

Defogger

Rear window	268
-------------------	-----

Dimension**Dinghy towing****Display**

Crawl Control display	208
-----------------------------	-----

Trip information	171
------------------------	-----

Toyota park assist system display.....	192
---	-----

Shift position and shift range.....	158
--	-----

Warning messages	473
------------------------	-----

Do-it-yourself maintenance**Door courtesy lights**

Door courtesy lights	338
----------------------------	-----

Wattage.....	517
--------------	-----

Door lock

Back door	48
-----------------	----

Side door	43
-----------------	----

Wireless remote control key.....40	
Doors	
Back door	48
Side door.....	43
Side mirrors.....	82
Driver's seat belt reminder	
light.....	465
Driving	
Break-in tips	143
Correct posture	100
Off-road precautions	220
Procedures.....	142
Winter driving tips.....	233
Driving position memory	62
 E	
Electronic key	
If your electronic key battery is discharged...423, 494	
Emergency flashers	452
Emergency, in case of	
If a warning message is displayed.....473	
If the electronic key does not operate properly.....494	
If the engine will not start	489
If the shift lever cannot be shifted from P.....491	
If the vehicle has discharged battery	497
If the warning buzzer sounds	462
If the warning light turns on	462
If you cannot operate back door opener	493
If you have a flat tire	476
If you lose your keys	492
If you think something is wrong	458
If your vehicle becomes stuck	504
If your vehicle needs to be towed	453
If your vehicle overheats	501
 F	
Engine	
Compartment	389
Engine switch.....	151
Hood	388
How to start the engine	151
Identification number.....	509
If the engine will not start	489
Ignition switch	151
Overheating	501
Engine coolant	
Capacity	512
Checking	396
Preparing and checking before winter.....	233
Engine coolant temperature	
gauge.....	164
Engine immobilizer system	95
Engine oil	
Capacity	511
Checking	391
Preparing and checking before winter.....	233
Engine oil maintenance	
data	394
Engine switch	151
Event data recorder	460
 F	
First-aid kit holder	365
Floor mat	363
Fluid	
Brake.....	398
Power steering	400
Washer.....	404
Fog lights	
Replacing light bulbs.....	439
Switch	177
Wattage.....	517
Four-wheel drive system	201
Front fog lights	
Replacing light bulbs.....	439
Switch	177

Wattage	517
Front passenger's seat belt	
reminder light	465
Front seats	
Adjustment	51
Driving position memory	62
Front side marker light	
Replacing light bulbs	439
Wattage	517
Front turn signal lights	
Replacing light bulbs	439
Wattage	517
Fuel	
Capacity	510
Fuel gauge	164
Fuel pump shut off system	459
Gas station information	556
Information	518
Refueling	91
Type	518
Fuel door	91
Fuel filler door	91
Fuel pump shut off	
system	459
Fuses	426
G	
Garage door opener	366
Gas station information	556
Gauges	164
Glove box	342
Glove box light	342
H	
Head restraints	
Adjusting	66
Headlight cleaner	187
Headlights	
Replacing light bulbs	439
Switch	174
Wattage	517
Heaters	
Seat heaters	360
I	
Hill-start assist control	212
Hood	388
Hooks	
Cargo hook	364
Tie-down hooks	364
Horn	163
I/M test	384
Identification	
Engine	509
Vehicle	509
Ignition	
Engine switch	151
Keys	24
Ignition switch	151
Ignition switch	151
Illuminated entry system	338
Indicator lights	167
Initialization	
Items to initialize	537
Inside rear view mirror	81
Instrument panel light	
control	165
Interior lights	
Interior lights	338
Switch	339
Wattage	517
J	
Jack	
Replacing the wheel	476
Jack handle	476
K	
KDSS	212
Keyless entry	26
Keys	
Electronic key	24
If you lose your keys	492
If your electronic key	
battery is discharged	423, 494
Ignition switch	151
Keyless entry	26
Key number	24

Keys	24
Mechanical key	24
Wireless remote control key....	40

L Language

Multi-information display.....	170, 536
--------------------------------	----------

Licence plate lights

Replacing light bulbs	439
Wattage.....	517

Light bulbs

Replacing	439
Wattage.....	517

Lights

Door courtesy lights	338
Fog light switch	177
Headlights switch	174
Interior light switch	339
Personal light switch	340
Replacing light bulbs	439
Turn signal lever.....	161
Vanity lights.....	352
Wattage.....	517

Load capacity

M Maintenance

Do-it-yourself maintenance ...	385
General maintenance.....	381
Maintenance data.....	508
Maintenance requirements....	379

Meter

Instrument panel light control	165
Meters	164

Micro dust and pollen filter

Mirrors

Inside rear view mirror.....	81
Side mirror heater	268
Side mirrors.....	82
Vanity mirrors	352

Moon roof	88
MP3 disc	285
Multi-information display.....	170

O Odometer

.....	164
-------	-----

Off-road precautions

Oil

Engine oil	391
------------------	-----

Opener

Fuel filler door	91
Hood	388

Outside rear view mirrors

Adjusting and folding.....	82
Mirror position memory	62

Outside temperature

display	354
---------------	-----

Overhead console.....

Overheating, Engine

P Parking brake

Parking lights

Replacing light bulbs.....	439
Switch	174
Wattage.....	517

Personal lights

Personal lights	340
Switch	340
Wattage.....	517

Power outlet

Power steering

Fluid	400
-------------	-----

Power windows.....

R Radiator

Radio.....

RDS

Rear seats

Adjustment.....	53
Tumbling second seats	54
Tumbling third seats.....	57

Rear turn signal lights	
Replacing light bulbs	439
Wattage	517
Rear window defogger	268
Rear window wiper	185
Replacing	
Fuses.....	426
Key battery	423
Light bulbs.....	439
Tires	476
Reporting safety defects for U.S.A. owners	540
Roll sensing of curtain shield airbags off switch	116
Roof luggage carrier	225
 S	
Seat belts	
Adjusting the seat belt.....	71
Automatic Locking	
Retractor	73
Child restraint system	
installation	127
Cleaning and maintaining	
the seat belts.....	377
Emergency Locking	
Retractor	73
How to wear your seat belt....	70
How your child should wear	
the seat belt	75
Pregnant women,	
proper seat belt use	74
Reminder light	465
Seat belt extenders	75
Seat belt pretensioners	73
Seat heaters	360
Seats	
Adjustment precautions.....	52
Child seats/child restraint	
system installation.....	127
Cleaning	376
Driver's seat position	
memory.....	62
Front seat adjustment	51
Head restraint	66
Properly sitting in the seat	100
Rear seat adjustment	53
Seat heaters	360
Service reminder	
indicators	167
Shift lever	
Automatic transmission	155
If the shift lever cannot be	
shifted from P	491
Side airbags	102
Side marker lights	
Replacing light bulbs	439
Switch.....	174
Wattage.....	517
Side mirror	
Adjusting and folding.....	82
Mirror position memory	62
Smart key system	
Entry function	26
Starting the engine	151
Spare tire	
Inflation pressure.....	414
Spare tire.....	476
Spark plug	512
Specifications	508
Speech command switch *	
Speedometer	164
Steering	
Column lock release.....	153
Fluid	400
Steering wheel	
Adjustment	79
Audio switches	296
Steering wheel position	
memory.....	62

*: Refer to the "Navigation System Owner's Manual".
549

Stop lights	
Replacing light bulbs	439
Storage feature	341
Storage precautions	225
Stuck	
If your vehicle becomes stuck	504
Sun visors	351
Sunshade	
Roof.....	89
Switch	
ECT switch	157
Driving mode select switch....	157
Engine switch	151
Fog light switch	177
Ignition switch.....	151
Light switches.....	174
Power door lock switch	43
Power window switch	85
Rear window wiper and washer switch	185
Window lock switch.....	85
Wipers and washer switch.....	179, 182
T	
Tachometer	
Tachometer	164
Tail lights	
Switch.....	174
Talk switch*	
Telephone switch*	
Theft deterrent system	
Alarm.....	97
Engine immobilizer system	95
Theft prevention labels	99
Tire inflation pressure	414
Tie-down hooks	364
Tire information	
Glossary	526
Size	523
Tires	
Tire identification number.....	522
Uniform tire quality grading ...	524
Tools	476
Total load capacity	232
Towing	
Dinghy towing	250
Emergency towing	453
Trailer towing	238
Toyota park assist system	192
TRAC	212
Traction control	212
Trailer towing	238
Trip information display	170
Trip meter	164
Turn signal lights	
Replacing light bulbs.....	439
Switch	161
Wattage.....	517
V	
Vanity lights	
Vanity lights.....	352
Wattage.....	517
Vanity mirrors	352
Vehicle identification	
number	509
Vehicle stability control	212
VSC	212

W

Warning buzzers	
Brake system.....	462
Open door	464
Seat belt reminder.....	465
Warning lights	
Anti-lock brake system	464
Brake system.....	462
Charging system	463
Low fuel level.....	466
Malfunction indicator lamp....	463
Master warning.....	466
Open door	464
Pre-collision.....	464
Seat belt reminder.....	465
SRS airbags	463
Tire pressure	465
Unengaged "Park"	465
Warning messages	473
Warning reflector holder	365
Washer	
Checking	404
Preparing and checking	
before winter	233
Switch.....	179, 182
Washing and waxing	374
Weight	
Cargo capacity	225
Load limits	232
Weight	508
Wheels	418
Window glasses	85
Window lock switch	85
Windows	
Power windows	85
Rear window defogger	268
Washer	179, 182
Windshield wiper de-icer	269
Windshield wipers	179, 182
Wireless remote control key	
Replacing the battery	423
Wireless remote control key....	40
WMA disc	285

What to do if...

What to do if...

A tire punctures

P. 476 If you have a flat tire

The engine does not start

P. 95 Engine immobilizer system

P. 489 If the engine will not start

P. 497 If the battery is discharged

The shift lever cannot be moved out

P. 491 If the shift lever cannot be shifted from "P"

The engine coolant temperature gauge enters the red zone

P. 501 If your vehicle overheats

Steam can be seen coming from under the hood

The key is lost

P. 492 If you lose your keys

The battery runs out

P. 497 If the battery is discharged

The doors cannot be locked

P. 43 Side doors

P. 48 Back door

The horn begins to sound

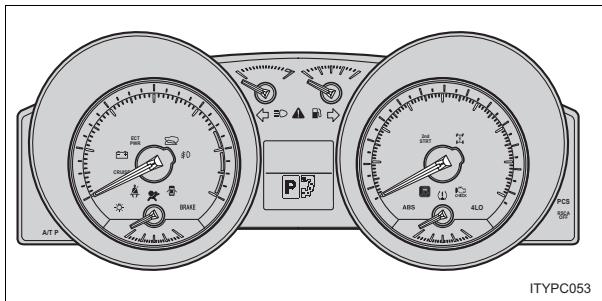
P. 97 Alarm

The vehicle is stuck in mud or sand

P. 504 If the vehicle becomes stuck

The warning light or indicator light comes on

P. 462 If the warning light turns on



Warning lights



Brake system warning light

P. 462



ABS warning light

P. 464



SRS warning light

P. 463



Open door warning light

P. 464



Charging system warning light

P. 463



Unengaged "Park" warning light

P. 465



Malfunction indicator lamp

P. 463



Driver's seat belt reminder light

P. 465



Front passenger's seat belt reminder light



or

P. 465



Tire pressure warning light

P. 464



Pre-collision warning light

P. 463



Low fuel level warning light

P. 464



Master warning light

P. 466

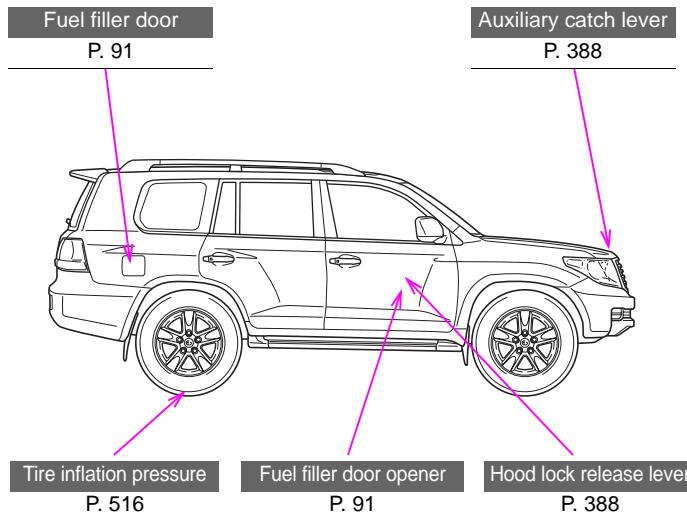
The warning message is displayed

P. 473

If a warning message is displayed

What to do if...

GAS STATION INFORMATION



Fuel tank capacity	24.6 gal. (93 L, 20.5 Imp.gal.)	
Fuel type	Unleaded gasoline only	P. 92, 510
Cold tire inflation pressure	P. 516	
Engine oil capacity drain and refill (Reference)	With filter	qt. (L, Imp.qt.) 7.4 (7.0, 6.2)
	Without filter	7.0 (6.6, 5.8)
Engine oil type	“Toyota Genuine Motor Oil” or equivalent Oil grade: ILSAC multigrade engine oil Recommended oil viscosity: SAE 0W-20, 5W-20	P. 511