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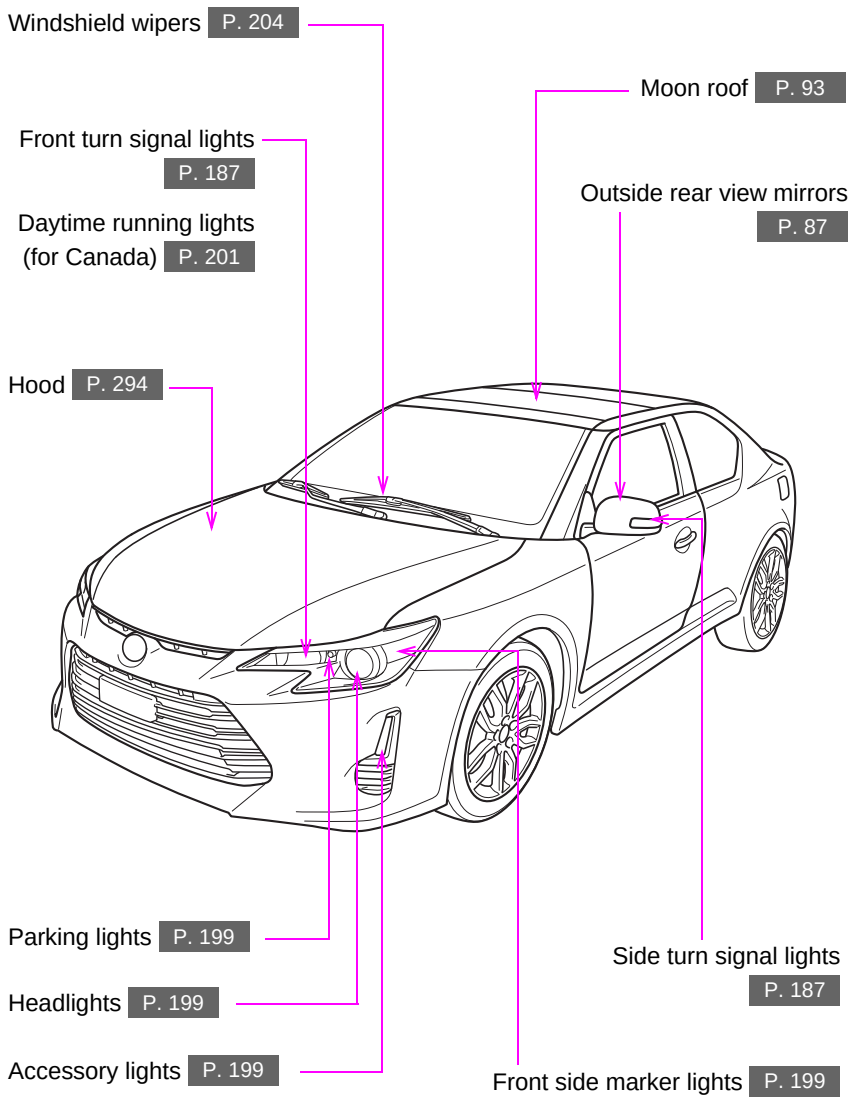
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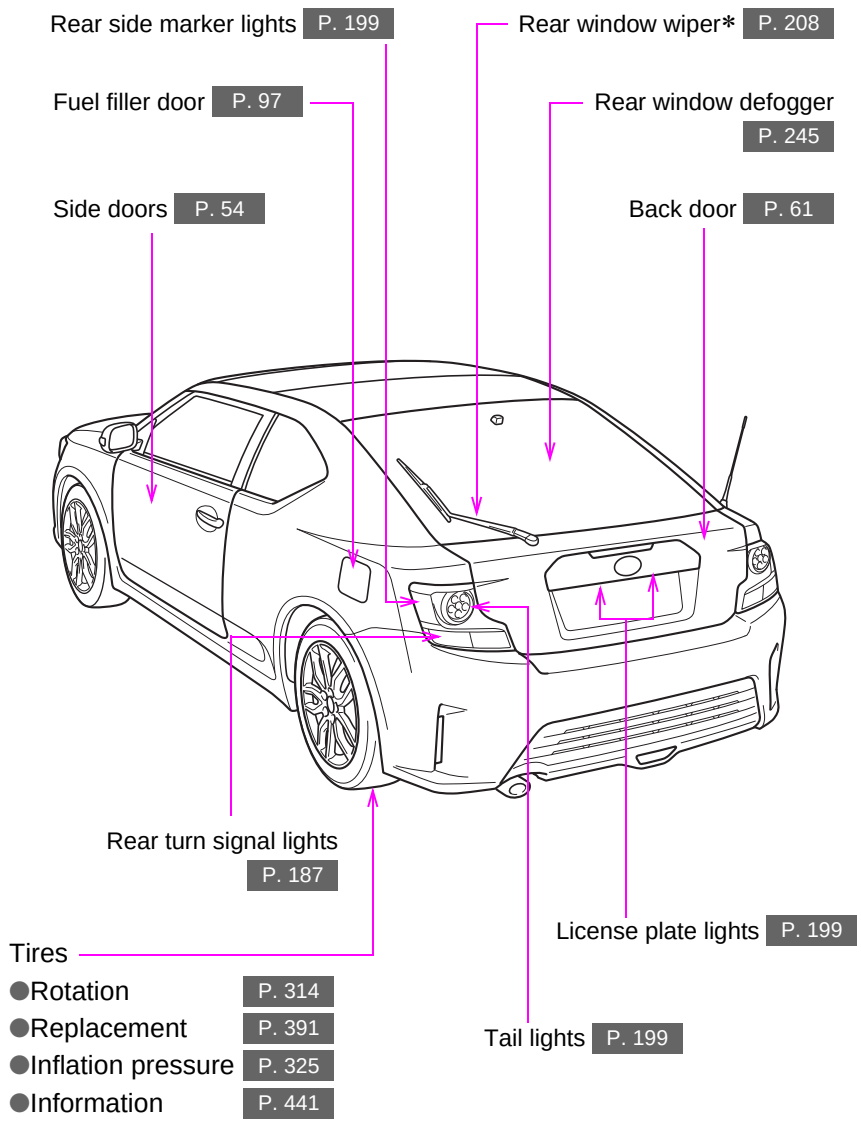
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*: If equipped

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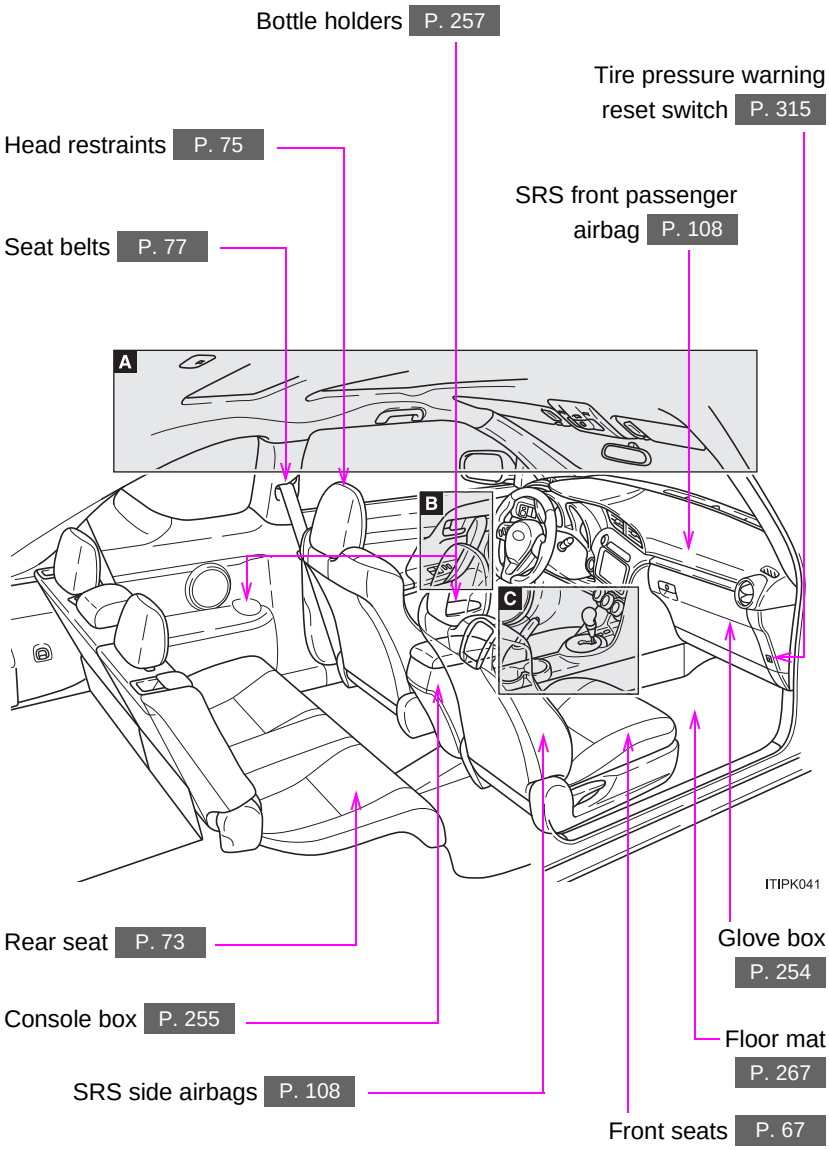
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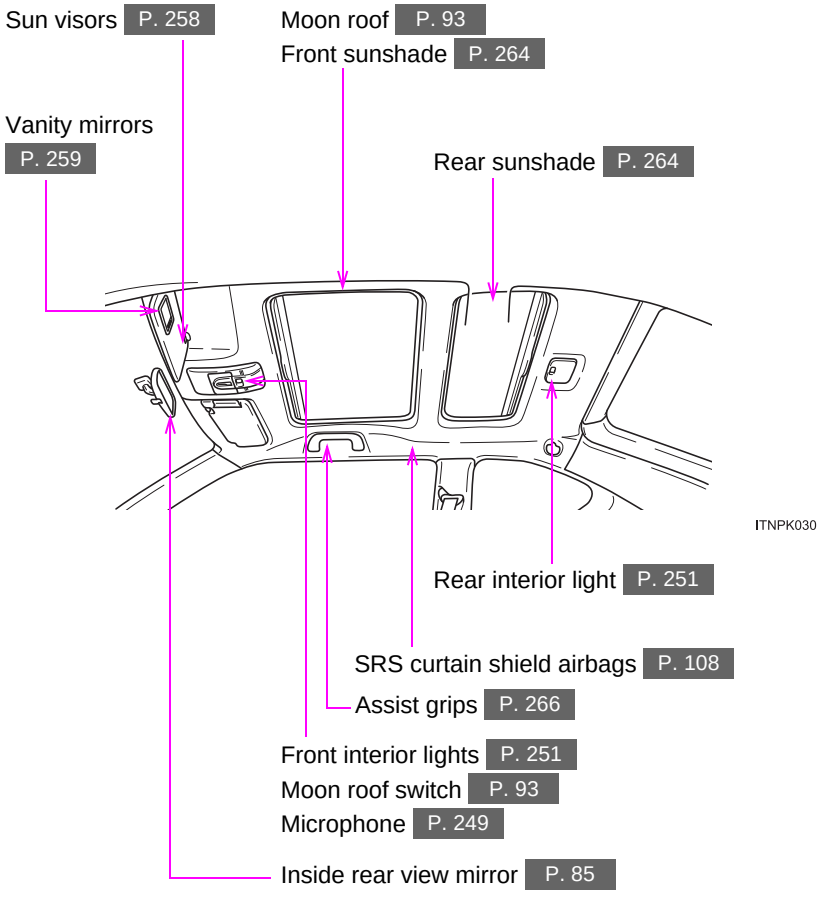
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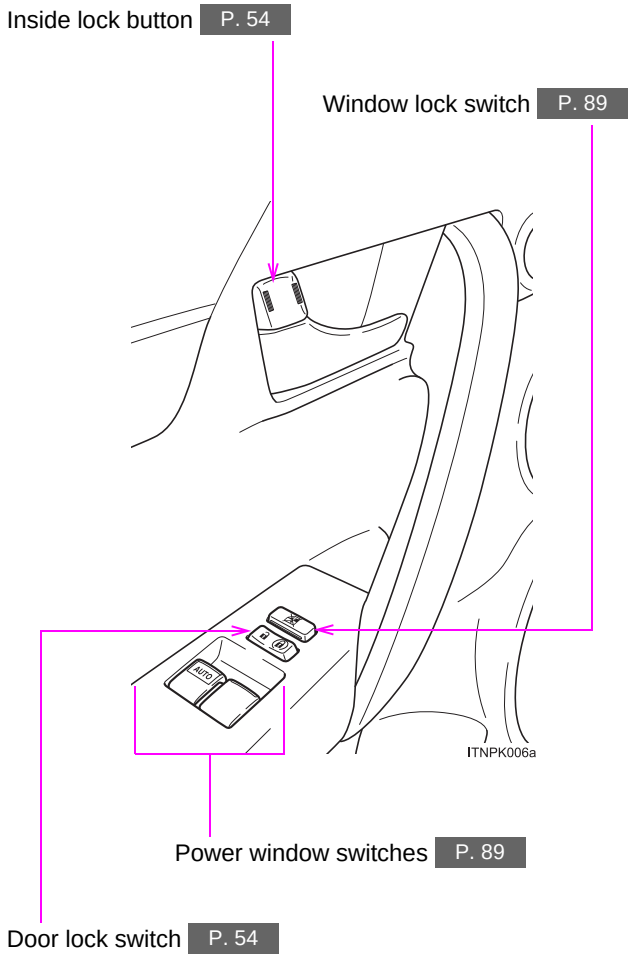
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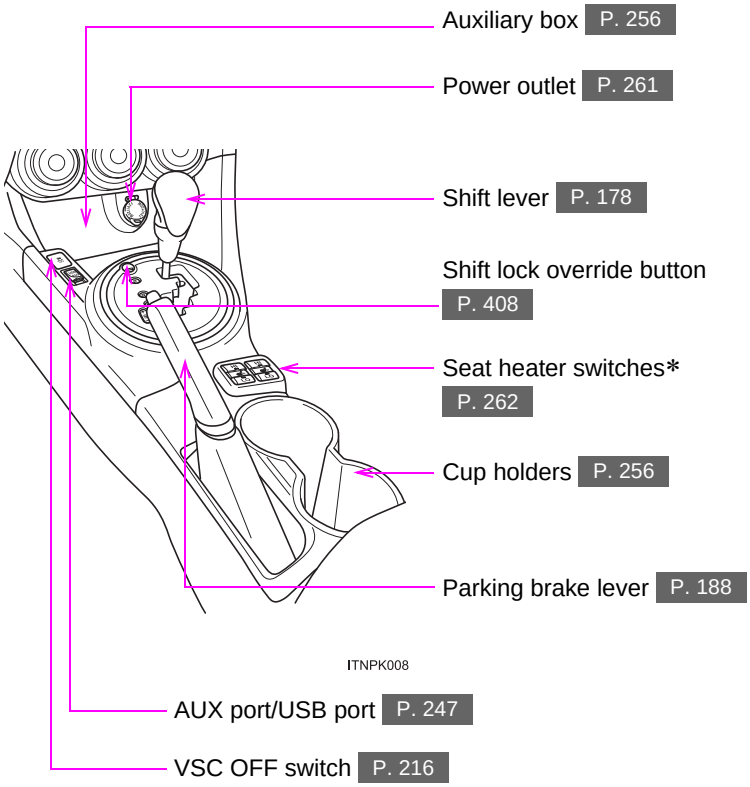
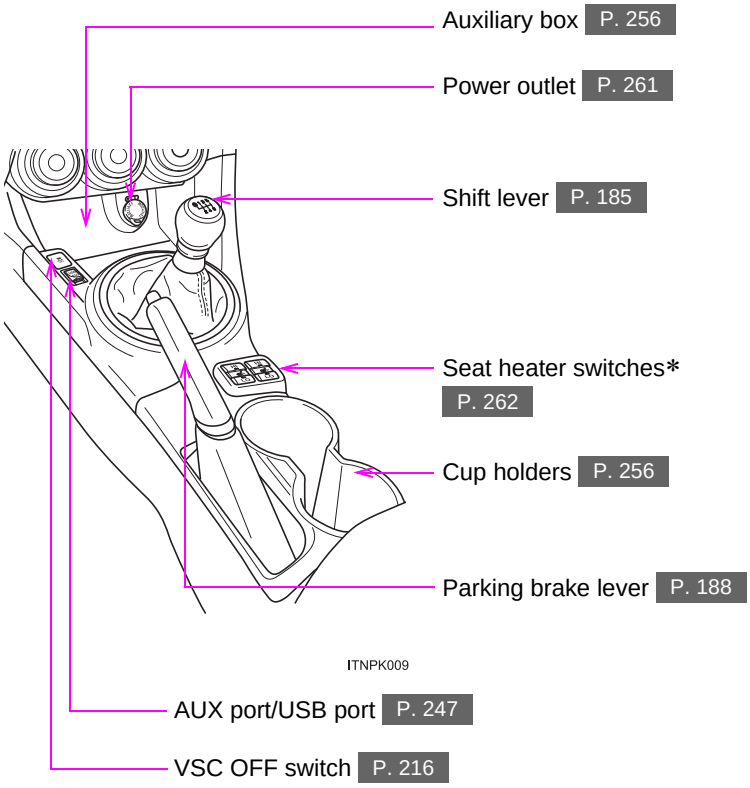


*: If equipped

C

Vehicles with a manual transmission



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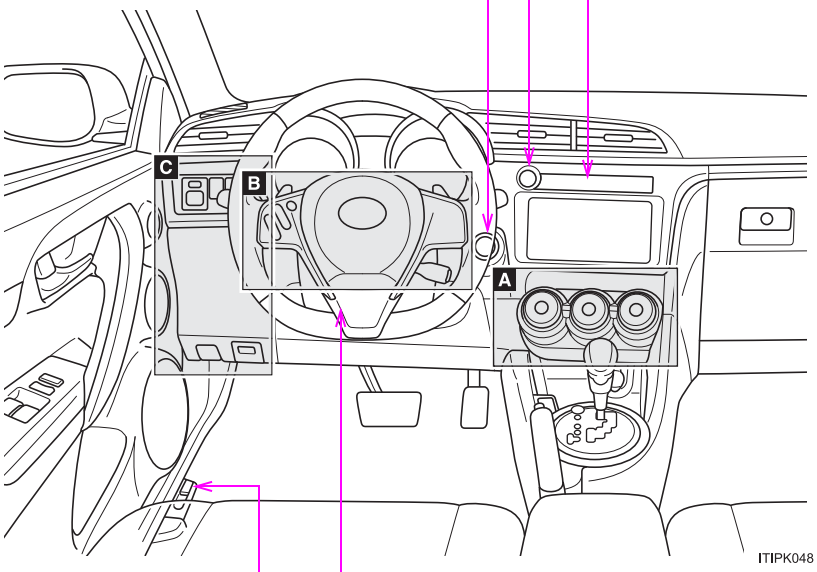

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*: If equipped

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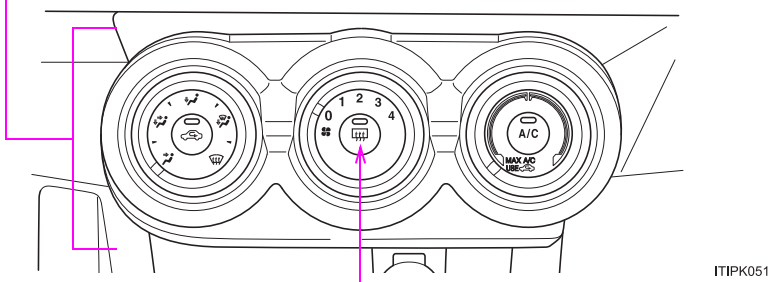

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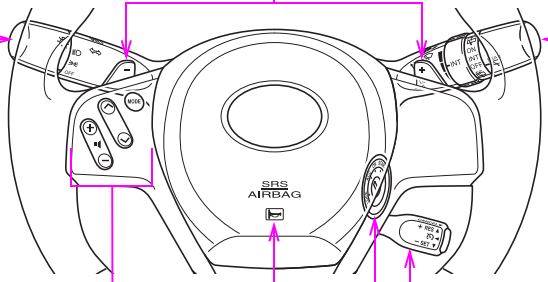

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*: If equipped

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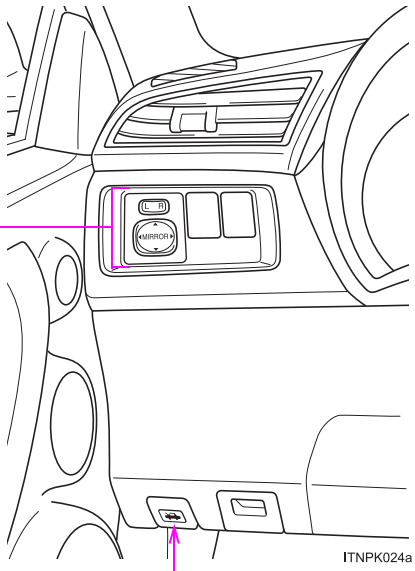

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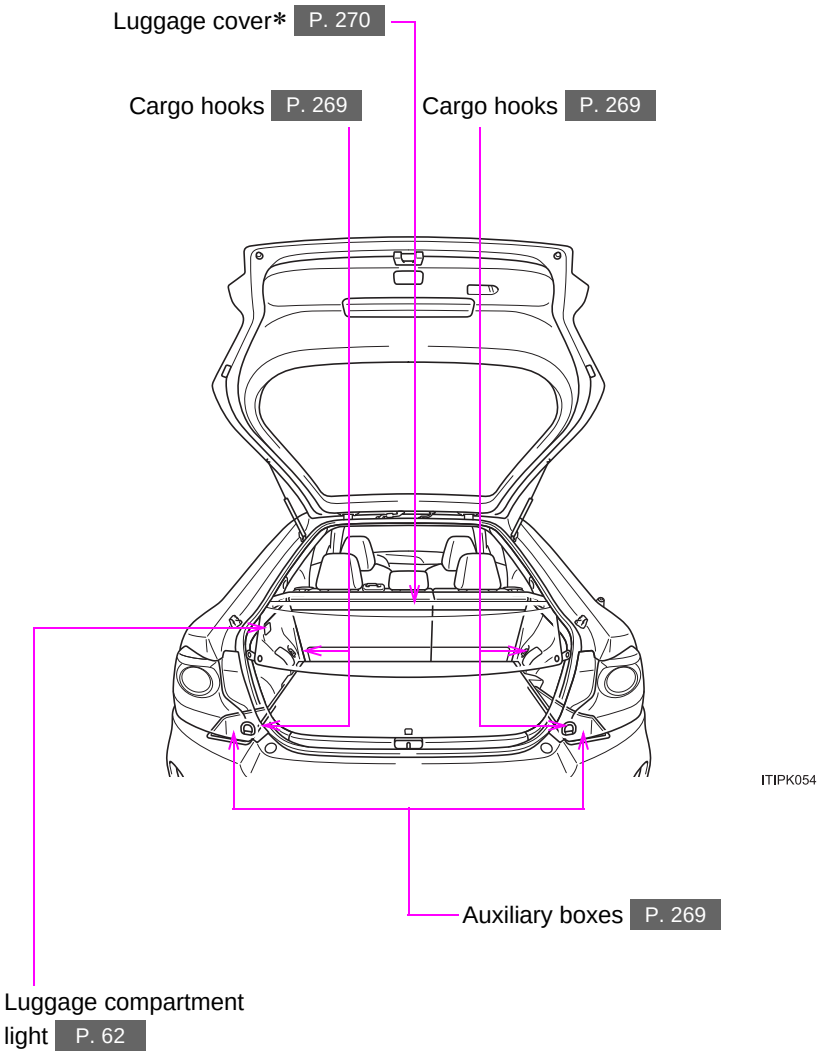


*: If equipped

For your information

Main Owner's Manual

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

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

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

Noise from under vehicle after turning off the engine

Approximately five hours after the engine is turned off, you may hear sound coming from under the vehicle for several minutes. This is the sound of a fuel evaporation leakage check and, it does not indicate a malfunction.

Accessories, spare parts and modification of your Scion

A wide variety of non-genuine spare parts and accessories for Scion vehicles are currently available on the market. You should know that Scion 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 Scion vehicle.

This vehicle should not be modified with non-genuine Scion products. Modification with non-genuine Scion 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

The installation of a mobile two-way radio system in your vehicle could affect electronic systems such as:

- Multi-port fuel injection system/sequential multi-port fuel injection system
- Cruise control system
- Anti-lock brake system
- SRS airbag system
- Seat belt pretensioner system

Be sure to check with your Scion dealer for precautionary measures or special instructions regarding installation of a mobile two-way radio system.

Vehicle data recordings

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

- Engine speed
- Accelerator status
- Brake status
- Vehicle speed
- Shift position (except manual transmission)

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

● Data usage

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

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

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

Event data recorder

This vehicle is equipped with an event data recorder (EDR). The main purpose of an EDR is to record, in certain crash or near crash-like situations, such as an air bag deployment or hitting a road obstacle, data that will assist in understanding how a vehicle's systems performed. The EDR is designed to record data related to vehicle dynamics and safety systems for a short period of time, typically 30 seconds or less.

The EDR in this vehicle is designed to record such data as:

- How various systems in your vehicle were operating;
- Whether or not the driver and passenger safety belts were buckled/fastened;
- How far (if at all) the driver was depressing the accelerator and/or brake pedal; and,
- How fast the vehicle was traveling.

These data can help provide a better understanding of the circumstances in which crashes and injuries occur.

NOTE: EDR data are recorded by your vehicle only if a nontrivial crash situation occurs; no data are recorded by the EDR under normal driving conditions and no personal data (e.g., name, gender, age, and crash location) are recorded. However, other parties, such as law enforcement, could combine the EDR data with the type of personally identifying data routinely acquired during a crash investigation.
To read data recorded by an EDR, special equipment is required, and access to the vehicle or the EDR is needed. In addition to the vehicle manufacturer, other parties, such as law enforcement, that have the special equipment, can read the information if they have access to the vehicle or the EDR.

● Disclosure of the EDR data

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

- An agreement from the vehicle's owner (or the lessee for a leased vehicle) is obtained
- In response to an official request by the police, a court of law or a government agency
- For use by Scion in a lawsuit

However, if necessary, Scion may:

- Use the data for research on vehicle safety performance
- Disclose the data to a third party for research purposes without disclosing information about the specific vehicle or vehicle owner

Scrapping of your Scion

The SRS airbag and seat belt pretensioner devices in your Scion 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 Scion 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 airbags, seat belt pretensioners, and wireless remote control batteries.

CAUTION

General precautions while driving

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

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

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

General precaution regarding children's safety

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

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

Symbols used throughout this manual

Cautions & Notices

CAUTION

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

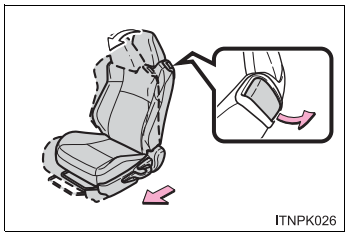
NOTICE

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

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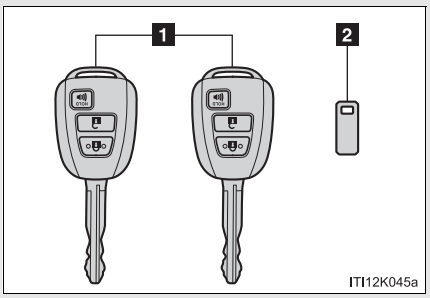
Keys

The following keys are provided with the vehicle.

Vehicles without a smart key system (type A)

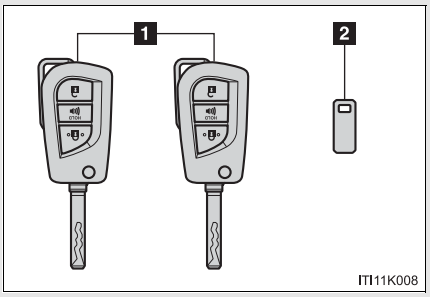


1 Keys

Operating the wireless remote control function (→P. 48)

2 Key number plate

Vehicles without a smart key system (type B)

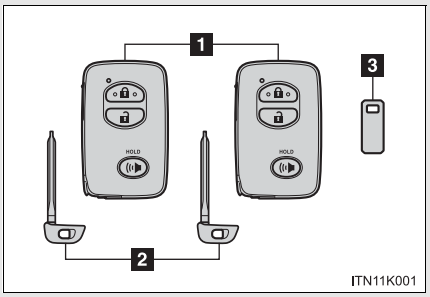


1 Keys

Operating the wireless remote control function (→P. 48)

2 Key number plate

Vehicles with a smart key system



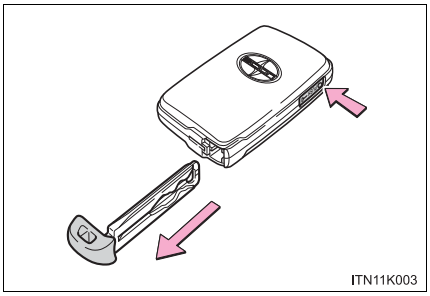
1 Electronic keys

- Operating the smart key system (→P. 30)
- Operating the wireless remote control function (→P. 48)

2 Mechanical keys

3 Key number plate

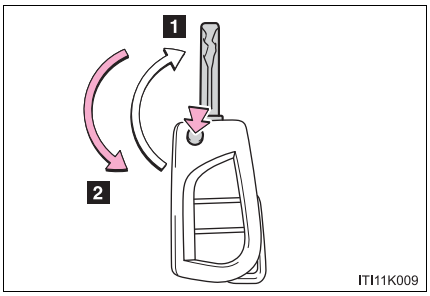
Using the mechanical key (if equipped)



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

After using the mechanical key, store it in the electronic key. Carry the mechanical key together with the electronic key. If the electronic key battery is depleted or the entry function does not operate properly, you will need the mechanical key. (→P. 410)

Using the key (if equipped)



1 Releasing

Release the key, press the button.

2 Folding

To stow the key back in its case, push the key back to the stowed position while pressing the button.

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

Lock the glove box as circumstances demand. (→P. 254)
On vehicles with the smart key system, remove the mechanical key for your own use and provide the attendant with the electronic key only.

■ **Key number plate**

Keep the plate in a safe place such as your wallet, not in the vehicle. In the event that a key (without a smart key system) or mechanical key (with a smart key system) is lost, a new key can be made by your Scion dealer using the key number plate. (→P. 409)

■ **When riding in an aircraft**

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

NOTICE

To prevent key damage

Observe the following:

- Do not drop the keys, subject them to strong shocks or bend them.
- Do not expose the keys to high temperatures for long periods of time.
- Do not get the keys wet or wash them in an ultrasonic washer etc.
- Do not attach metallic or magnetic materials to the keys or place the keys close to such materials.
- Do not disassemble the keys.
- Do not attach a sticker or anything else to the surface of the electronic key.
- Vehicles with a smart key system: Do not place the keys near objects that produce magnetic fields, such as TVs, audio systems and induction cookers, or medical electrical equipment, such as low-frequency therapy equipment.

Carrying the electronic key on your person (vehicles with a smart key system)

Carry the electronic key 3.9 in. (10 cm) or more away from electric appliances that are turned on. Radio waves emitted from electric appliances within 3.9 in. (10 cm) of the electronic key may interfere with the key, causing the key to not function properly.

In case of a smart key system malfunction or other key-related problems (vehicles with a smart key system)

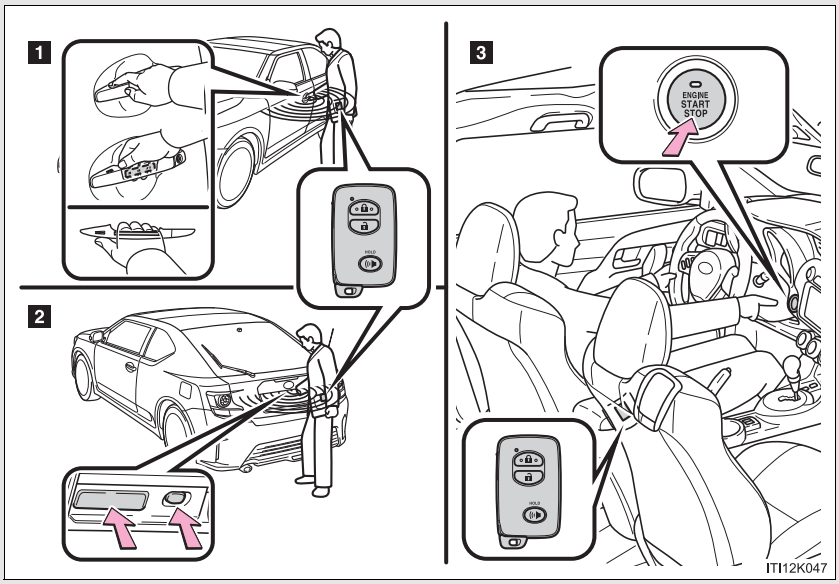
Take your vehicle with all the electronic keys provided with your vehicle to your Scion dealer.

When a vehicle key is lost (vehicles with a smart key system)

If the key remains lost, the risk of vehicle theft increases significantly. Visit your Scion dealer immediately with all remaining electronic key that was provided with your vehicle.

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. 31)

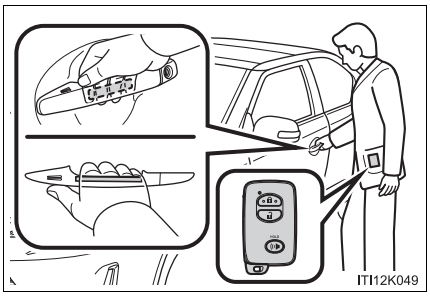
2 Locks and unlocks the back door (→P. 32)

3 Starts the engine (→P. 169)

*: If equipped

Unlocking and locking the doors

Side door handles

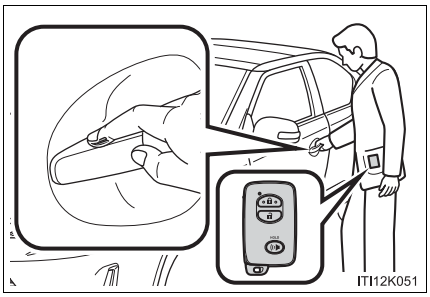


Grip the driver's door handle to unlock the door. Grip the passenger's door handle to unlock all the doors.*

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

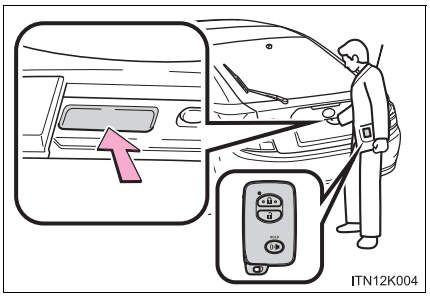
The doors cannot be unlocked for 3 seconds after the doors are locked.

*:The door unlock settings can be changed. (→P. 39)



Touch the lock sensor (the indentation on the upper part of the door handle) to lock all the doors.

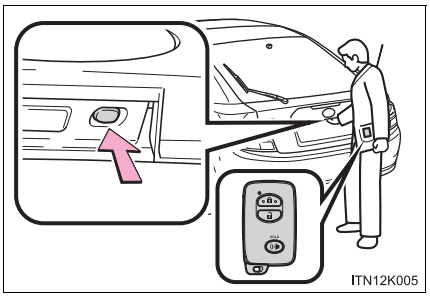
Back door



Press the unlock button to unlock all the doors.

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

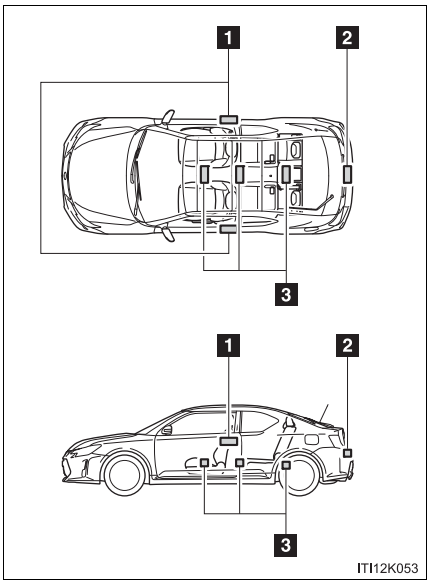
Lock the back door again when you leave the vehicle. The back door will not lock automatically after it has been opened and then closed.



Press the lock button to lock all the doors.

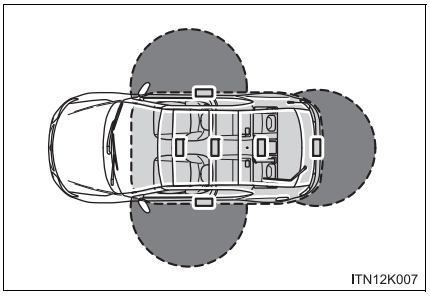
Antenna location and effective range

Antenna location



1 Antennas outside the cabin
2 Antenna outside the luggage compartment
3 Antennas inside the cabin

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 either of the outside side door handles or back door lock/unlock button. (Only the doors detecting the key can be operated.)

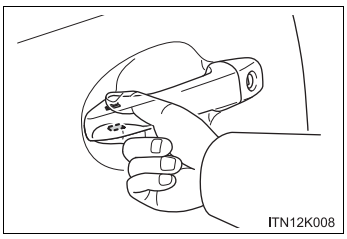
When starting the engine or changing “ENGINE START STOP” switch modes

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

■ **Operation signals**

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

■ **When the door cannot be locked by the lock sensor on the upper part of the side door handle**



Touch both lock sensors on the upper and lower parts of the side door handle simultaneously.

Alarms and warning indicators

A combination of exterior and interior alarms as well as warning lights are used to prevent theft of the vehicle and unforeseeable accidents resulting from erroneous operation.

- When any warning lights come on
  Take appropriate measures depending on which warning light comes on. (→P. 373)

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

Alarm	Situation	Correction procedure
Interior alarm pings once and exterior alarm sounds once for 10 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
	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

Alarm	Situation	Correction procedure
Interior alarm pings continuously	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
Interior alarm sounds continuously	Vehicles with an automatic transmission only: 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	Vehicles with an automatic transmission only: 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 was not in P	Shift the shift lever to P, turn the “ENGINE START STOP” switch off and close the driver’s door again

Alarm	Situation	Correction procedure
Interior alarm pings once	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*
Interior alarm pings once and exterior alarm sounds 3 times	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

*: 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 signals from the key. (→P. 410)

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.

Switching the door unlock function

It is possible to set which doors the entry function unlocks using the wireless remote control.

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

STEP 2 When the indicator on the key surface is not on, press and hold or for approximately 5 seconds while pressing and holding .

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.)

Unlocking function	Beep
Holding the driver’s door handle unlocks only the driver’s door.	Exterior: Beeps 3 times Interior: Pings once
Holding the front passenger’s door handle unlocks all doors.	
Holding either side door handle unlocks all doors.	Exterior: Beeps twice Interior: Pings once

Battery-saving function

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

- When the entry function has not been used for 5 days or more
- When the electronic key has been left within approximately 6 ft. (2 m) of the vehicle for 10 minutes or more
- If the entry function has not been used for 14 days or more, the vehicle cannot be unlocked by a door other than the driver's door. To unlock the vehicle, grip the driver's door handle or use the wireless remote control or the mechanical key.

The system will resume operation when:

- The vehicle is locked using the lock sensor when carrying the electronic key on your person.
- The vehicle is locked/unlocked using the wireless remote control. (→P. 48)
- The vehicle is locked/unlocked using the mechanical key. (→P. 410)

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, wireless remote control and immobilizer system from operating properly. (Ways of coping: →P. 410)

- When the electronic key battery is depleted
- Near a TV tower, electric power plant, gas station, radio station, large display, airport or other facility that generates strong radio waves or electrical noise
- When carrying a portable radio, cellular phone, cordless phone or other wireless communication devices
- When the electronic key is in contact with, or is covered by the following metallic objects
  - Cards to which aluminum foil is attached
  - Cigarette boxes that have aluminum foil inside
  - Metallic wallets or bags
  - Coins
  - Hand warmers made of metal
  - Media such as CDs and DVDs
- When multiple electronic keys are in the vicinity
- When another wireless key (that emits radio waves) is being used nearby
- When carrying the electronic key together with the following devices that emit radio waves
  - Another vehicle's electronic key or a wireless key that emits radio waves
  - Personal computers or personal digital assistants (PDAs)
  - Digital audio players
  - Portable game systems
- If window tint with a metallic content or metallic objects are attached to the rear window

Notes for the entry function

- Even when the electronic key is within the effective range (detection areas), the system may not operate properly in the following cases.
  - The electronic key is too close to the window or outside door handle, near the ground, or in a high place when the doors are locked or unlocked.
  - The electronic key is on the instrument panel, floor or in the glove box when the engine is started or “ENGINE START STOP” switch modes are changed.
- Do not leave the electronic key on top of the instrument panel or near the door pockets when exiting the vehicle. Depending on the radio wave reception conditions, it may be detected by the antenna outside the cabin and the door will become lockable from the outside, possibly trapping the electronic key inside the vehicle.
- As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone. However, only the doors detecting the electronic key can be used to unlock the vehicle.
- The doors may unlock or lock if a large amount of water splashes on the door handle, such as in the rain or in a car wash, when the electronic key is within the effective range. (The doors will automatically be locked after approximately 60 seconds if the doors are not opened and closed.)
- 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.)

Notes for locking the doors

- Touching the door lock sensor while wearing gloves may delay or prevent lock operation. Remove the gloves and touch the lock sensor again.
- When the lock operation is performed using the lock sensor, recognition signals will be shown up to two consecutive times. After this, no recognition signals will be given.
- If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. Place the key in a position 6 ft. (2 m) or more separate from the vehicle while the vehicle is being washed. (Take care to ensure that the key is not stolen.)
- If the electronic key is inside the vehicle and a door handle becomes wet during a car wash, a buzzer will sound outside the vehicle. To turn off the alarm, lock all the doors.
- The lock sensor may not work properly if it comes into contact with ice, snow, mud, etc. Clean the lock sensor and attempt to operate it again, or use the lock sensor on the lower part of the door handle.

■ **Notes for the unlocking function**

- Gripping the side door handle when wearing a glove may not unlock or lock the door.
- 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 have unlocked before pulling the door handle.
- If there is another electronic key in the detection area, it may take slightly longer to unlock the doors after one of the side door handles are gripped.

■ **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.
- The smart key system can be deactivated in advance. Contact your Scion dealer for details.

■ **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 operate.)

■ **If the smart key system does not operate properly**

- Locking and unlocking the doors: Use the mechanical key. (→P. 410)
- Starting the engine: →P. 411

■ **Electronic key battery depletion**

- The standard battery life is 1 to 2 years.
- If the battery becomes low, an alarm will sound in the cabin when the engine stops. (→P. 36)
- As the electronic key always receives radio waves, the battery will become depleted even if the electronic key is not used. The following symptoms indicate that the electronic key battery may be depleted. Replace the battery when necessary. (→P. 332)
  - The smart key system or the wireless remote control does not operate.
  - The detection area becomes smaller.
  - The LED indicator on the key surface does not turn on.
- 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
  - Cellular phones, cordless phones and battery chargers
  - Induction cookers
  - Table lamps

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

→P. 332

■ **Customization that can be configured at Scion dealer**

Settings (e.g. smart key system) can be changed.
(Customizable features: →P. 455)

Certification for the smart key system

For vehicles sold in the U.S.A., Hawaii, Guam and Puerto Rico

FCC ID: HYQ14ACX FCC ID: HYQ14ADF*
FCC ID: HYQ13CZD FCC ID: HYQ13CZE*
FCC ID: NI4TMLF8-9

*: For U.S. mainland only

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.

For vehicles sold in Canada

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

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

CAUTION

Caution regarding interference with electronic devices

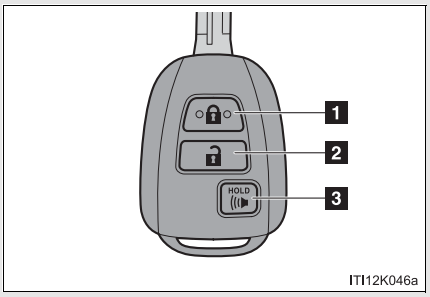
- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should keep away from the smart key system antennas. (→P. 34)
  The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask your Scion dealer for details, such as the frequency of radio waves and timing of the emitted radio waves. Then, consult your doctor to see if you should disable the entry function.
- Users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

Ask your Scion dealer for details for disabling the entry function.

Wireless remote control

The wireless remote control can be used to lock and unlock the vehicle.

Vehicles without a smart key system (type A)



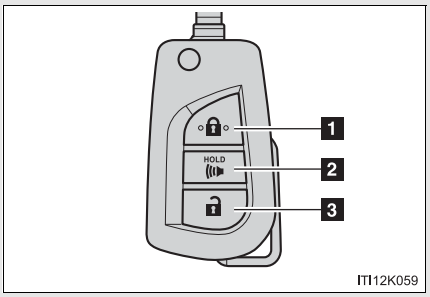
1 Locks all the doors

2 Unlocks all the doors

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

3 Sounds the alarm (press and hold) (→P. 50)

Vehicles without a smart key system (type B)



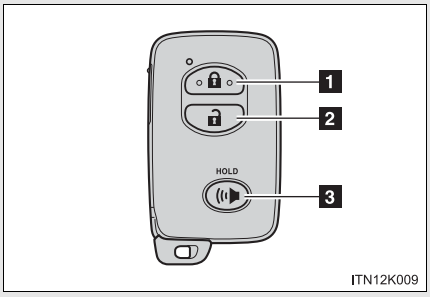
1 Locks all the doors

2 Sounds the alarm (press and hold) (→P. 50)

3 Unlocks all the doors

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

Vehicles with a smart key system



1 Locks all the doors

2 Unlocks all the doors

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

3 Sounds the alarm (press and hold) (→P. 50)

■ **Operation signals**

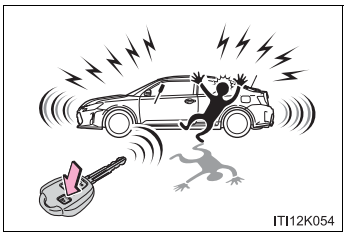
A buzzer sounds and the emergency flashers flash to indicate that the doors have been locked/unlocked. (Locked: once; Unlocked: twice)

■ **Door lock buzzer**

If an attempt to lock the doors is made when a door is not fully closed, a buzzer sounds continuously for 10 seconds. Fully close the door to stop the buzzer, and lock the vehicle once more.

Panic mode

Vehicles without a smart key system



When HOLD is pressed for longer than about one second, an alarm will sound intermittently and the vehicle lights will flash to deter any person from trying to break into or damage your vehicle.

To stop the alarm, press any button on the wireless remote control.

Vehicles with a smart key system

When is pressed for longer than about one second, an alarm will sound intermittently and the vehicle lights will flash to deter any person from trying to break into or damage your vehicle.

To stop the alarm, press any button on the electronic key.

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.

■ **Conditions affecting operation**

The wireless remote control function may not operate normally in the following situations:

Vehicles without a smart key system

- Near a TV tower, radio station, electric power plant, airport or other facility that generates strong radio waves
- When carrying a portable radio, cellular phone or other wireless communication devices
- When multiple wireless keys are in the vicinity
- When the wireless key is in contact with, or is covered by, a metallic object
- When a wireless key (that emits radio waves) is being used nearby
- When the wireless key has been left near an electrical appliance such as a personal computer

Vehicles with a smart key system

→P. 41

■ **If the wireless remote control does not operate properly (vehicles with a smart key system)**

Locking and unlocking the doors: Use the mechanical key. (→P. 410)

■ **Key battery depletion**

Vehicles without a smart key system

If the wireless remote control function does not operate, the battery may be depleted. Replace the battery when necessary. (→P. 332)

Vehicles with a smart key system

→P. 45

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

→P. 332

■ **Customization that can be configured at Scion dealer**

Settings (e.g. wireless remote control system) can be changed.
(Customizable features: →P. 455)

■ **Certification for wireless remote control (vehicles without a smart key system)**

For vehicles sold in the U.S.A.
FCC ID: MOZB41RH
FCC ID: MOZB52TH
FCC ID: MOZB95TH

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.

The FCC ID/IC Certification number is affixed inside the equipment. You can find the ID/number when replacing the battery.

For vehicles sold in Canada
NOTE:
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

The FCC ID/IC Certification number is affixed inside the equipment. You can find the ID/number when replacing the battery.

■ **Certification for wireless remote control (vehicles with a smart key system)**

For vehicles sold in the U.S.A., Hawaii, Guam and Puerto Rico

FCC ID: HYQ14ACX FCC ID: HYQ14ADF*
FCC ID: HYQ13CZD FCC ID: HYQ13CZE*
FCC ID: NI4TMLF8-9

*: For U.S. mainland only

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:
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For vehicles sold in Canada

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

■ **Wireless remote control**

→P. 48

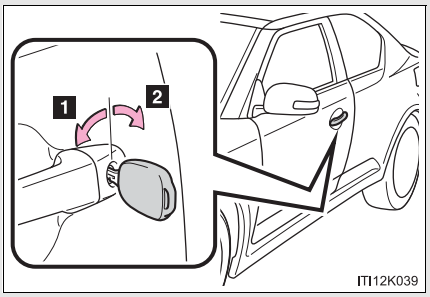
■ **Entry function (vehicles with a smart key system)**

→P. 30

■ **Key**

Turning the key operates the doors as follows:

Vehicles without a smart key system



1 Locks all the doors

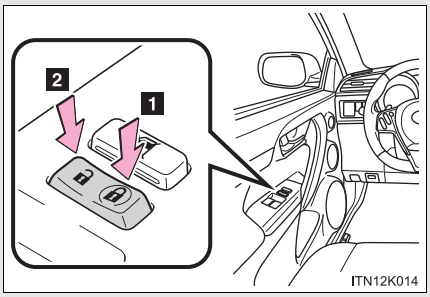
2 Unlocks all the doors

Turning the key unlocks the driver's door. Turning the key again within 3 seconds unlocks the other doors.

Vehicles with a smart key system

The doors can also be locked and unlocked with the mechanical key. (→P. 410)

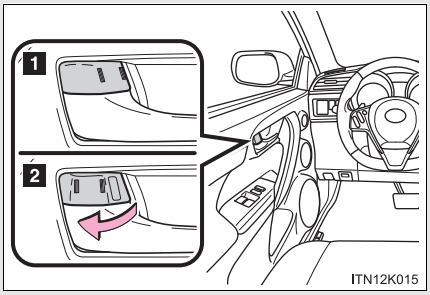
Door lock switch



1 Locks all the doors

2 Unlocks all the doors

Inside lock buttons



1 Locks the door

2 Unlocks the door

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

Locking the side doors from the outside without a key

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

STEP 2 Close the door.

Vehicles without a smart key system

The door cannot be locked if either of the front doors is open and the key is in the engine switch.

Vehicles with a smart key system

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.

Automatic door locking and unlocking systems

The following functions can be set or canceled:

Function	Operation
Shift position linked door locking function*1	Shifting the shift lever out of P locks all the doors.
Shift position linked door unlocking function*1	Shifting the shift lever to P unlocks all the doors.
Speed linked door locking function*2	All the doors are locked when the vehicle speed is approximately 12 mph (20 km/h) or higher.
Driver's door linked door unlocking function*2 (vehicles without a smart key system)	All the doors are unlocked when the driver's door is opened within 10 seconds after turning the engine switch to the "ACC" or "LOCK" position.
Driver's door linked door unlocking function*2 (vehicles with a smart key system)	All the doors are unlocked when the driver's door is opened within 10 seconds after turning the "ENGINE START STOP" switch off.

*1: Vehicles with an automatic transmission only
*2: Default setting is off

Setting and canceling the functions

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

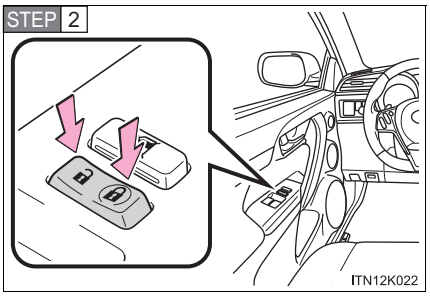
STEP 1 **Vehicles without a smart key system**

Close all the doors and turn the engine switch to the “ON” position. (Perform step 2 within 10 seconds.)

Vehicles with a smart key system

Close all the doors and turn the “ENGINE START STOP” switch to IGNITION ON mode. (Perform step 2 within 10 seconds.)

STEP 2



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

The shift lever and switch positions corresponding to the desired function to be set are shown in the following table.

Use the same procedure to cancel the function.

Function	Shift lever position	Driver's door lock switch position
Shift position linked door locking function*	P	🔒
Shift position linked door unlocking function*		🔓
Speed linked door locking function	N	🔒
Driver's door linked door unlocking function		🔓

*: Vehicles with an automatic transmission only

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

■ **Using the mechanical key (vehicles with a smart key system)**

The doors can also be locked and unlocked with the mechanical key. (→P. 410)

■ **Customization that can be configured at Scion dealer**

Settings (e.g. unlocking function using a key) can be changed. (Customizable features: →P. 455)

CAUTION

To prevent an accident

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

- Always use a seat belt.
- Always lock all the doors.
- Ensure that all doors are properly closed.
- Do not pull the inside handle of the doors while driving.
  The doors may be opened and the passengers may be thrown out of the vehicle, which may result in serious injury or death.

  Be especially careful for the side doors, as the doors may be opened even if the inside lock buttons are in locked position.

Back door

The back door can be locked/unlocked and opened by the following procedures.

■ Locking and unlocking the back door

Entry function (vehicles with a smart key system)

→P. 30

Wireless remote control

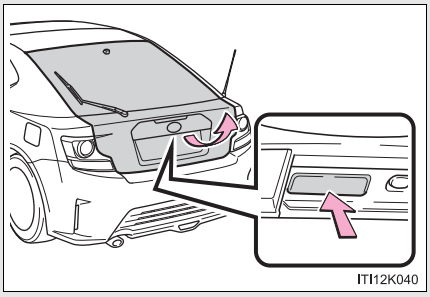
→P. 48

Door lock switch

→P. 55

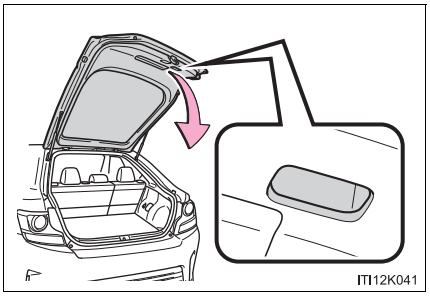
■ Opening the back door from outside the vehicle

Back door opener



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

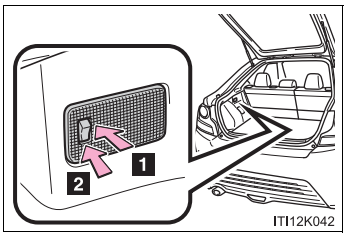
When closing the back door



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

Luggage compartment light

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



1 On

2 Off

To prevent battery discharge

Vehicles without a smart key system

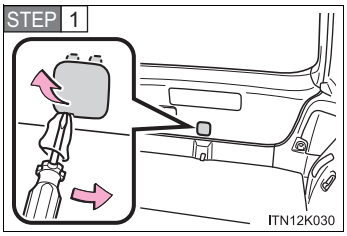
If the luggage compartment light remains on when the engine switch is turned off, the light will go off automatically after 20 minutes.

Vehicles with a smart key system

If the luggage compartment light remains on when the “ENGINE START STOP” switch is turned off, the light will go off automatically after 20 minutes.

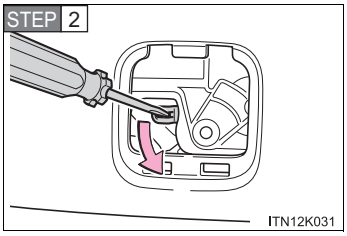
■ If the back door opener is inoperative

The back door can be unlocked from the inside.



Remove the cover.

To protect the cover, place a rag between the flathead screwdriver and the cover as shown in the illustration.



Move the lever.

CAUTION

Caution while driving

- Keep the back door closed while driving.
  If the back door is left open, it may hit near-by objects while driving or luggage may be unexpectedly thrown out, causing an accident.
  In addition, exhaust gases may enter the vehicle, causing death or a serious health hazard. Make sure to close the back door before driving.
- Before driving the vehicle, make sure that the back door is fully closed. If the back door is not fully closed, it may open unexpectedly while driving, causing an accident.
- Never let anyone sit in the luggage compartment. In the event of sudden braking, sudden swerving or an accident, they are susceptible to death or serious injury.

When children are in the vehicle

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

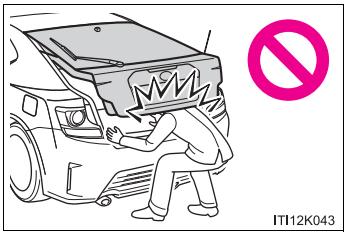
- Do not allow children to play in the luggage compartment.
  If a child is accidentally locked in the luggage compartment, they could have heat exhaustion or other injuries.
- Do not allow a child to open or close the back door.
  Doing so may cause the back door to move unexpectedly, or cause the child's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

CAUTION

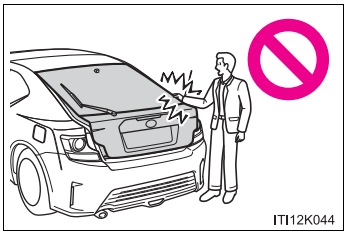
■ **Operating the back door**

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

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



- The back door may suddenly shut if it is not opened fully. It is more difficult to open or close the back door on an incline than on a level surface, so beware of the back door unexpectedly opening or closing by itself. Make sure that the back door is fully open and secure before using the luggage compartment.



- When closing the back door, take extra care to prevent your fingers etc. from being caught.
- When closing the back door, make sure to press it lightly on its outer surface. If the back door handle is used to fully close the back door, it may result in hands or arms being caught.

CAUTION

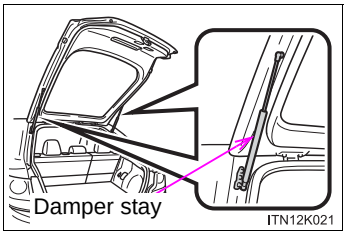
- Do not pull on the back door damper stay to close the back door, and do not hang on the back door damper stay.
  Doing so may cause hands to be caught or the back door damper stay to break, causing an accident.
- If a bicycle carrier or similar heavy object is attached to the back door, it may suddenly shut again after being opened, causing someone's hands, head or neck to be caught and injured. When installing an accessory part to the back door, using a genuine Scion part is recommended.

NOTICE

Back door damper stays

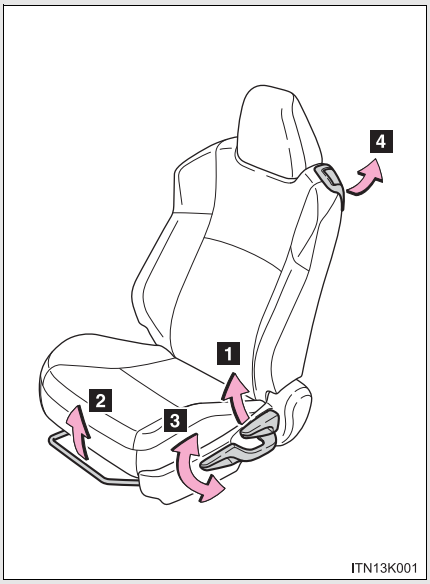
The back door is equipped with damper stays that hold the back door in place.

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



- Do not attach any foreign objects, such as stickers, plastic sheets, or adhesives to the damper stay rod.
- Do not touch the damper stay rod with gloves or other fabric items.
- Do not attach any accessories other than genuine Scion parts to the back door.
- Do not place your hand on the damper stay or apply lateral forces to it.

Front seats



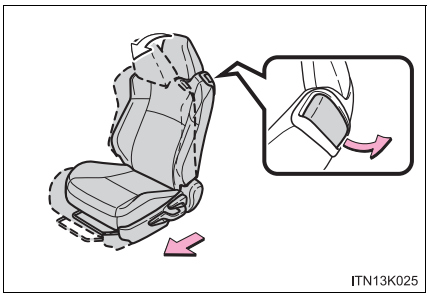
1. Seatback angle adjustment lever
2. Seat position adjustment lever
3. Vertical height adjustment lever (driver's side only)
4. Seatback lock release lever

Moving front seats for rear seat entry

■ Getting in the vehicle

Driver's seat

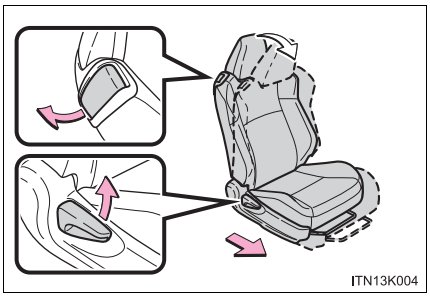
For easy access to the rear seat, use the seatback lock release lever. When the seatback lock release lever is used, the seat's original position is memorized, so the seat may be returned to that original position. However, if the seatback angle adjustment lever is used, the seat will not return to its original position.



Lift the seatback lock release lever.
The seatback will fold forward, and the seat's slide lock will be released.
Move the seat all the way forward.

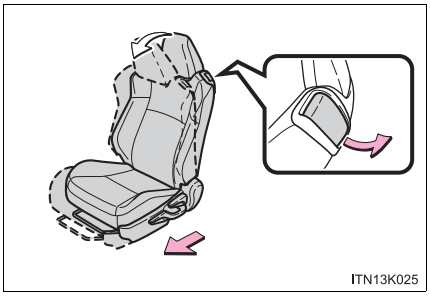
Front passenger's seat

For easy access to the rear seat, use either the seatback lock release lever or the seatback angle adjustment lever.



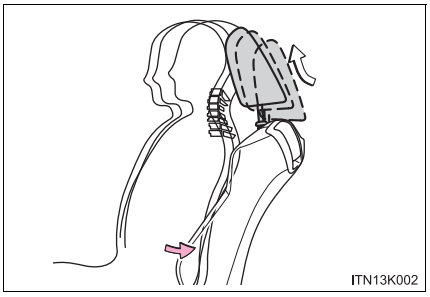
Lift the seatback lock release lever or seatback angle adjustment lever.
The seatback will fold forward, and the seat's slide lock will be released.
Move the seat all the way forward.

■ **Getting out of the vehicle**



Lift the seatback lock release lever.
The seatback will fold forward, and the seat's slide lock will be released.
Move the seat all the way forward.

Active head restraints



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

■ After passengers have entered the vehicle

Driver's seat

Slide the seat backward and then lift the seatback. The seat will be set and locked to its previous position automatically. If the seat cannot be slid back to the previous position due to the rear passenger or luggage, the seat will be locked in that position, disabling the seat position memory system.

To recall the previous position, lift the seatback lock release lever after removing the luggage, or after having the passenger get out or sit properly so that the seat can be slid back to the previous position. However, if you slide the seat further backwards than the previous position using the seat position adjustment lever, the memory of previous position will be overwritten.

Front passenger's seat

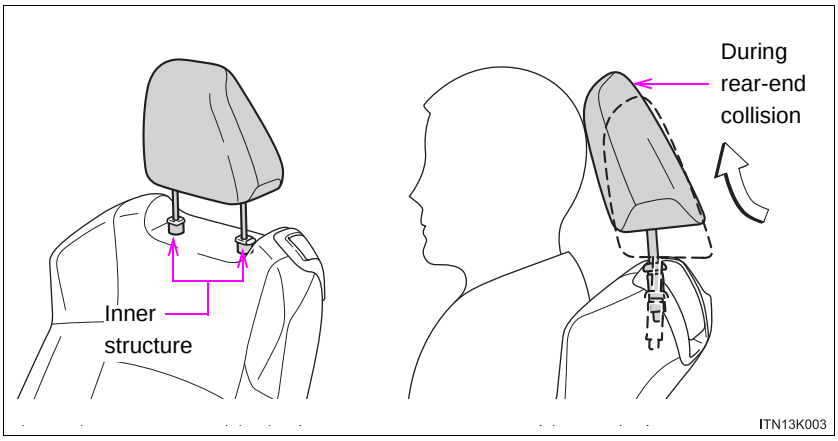
Slide the seat backward and then lift the seatback.

The seat will be locked in the rearmost position of the slide range, and the seatback will be locked in the most upright position. The seat position will be locked part way if the seatback is lifted while sliding the seat backward.

The front passenger's seat has no memory function, so it will not return to its previous position.

Active head restraints

Even small forces applied to the seatback may cause the head restraint to move. Pushing up a locked head restraint forcibly may make the inner structure of the head restraint appear. This does not indicate a problem.



CAUTION

■ **Seat adjustment**

- To reduce the risk of sliding under the lap belt during a collision, do not recline the seat more than necessary.
  If the seat is too reclined, the lap belt may slide past the hips and apply restraint forces directly to the abdomen, or your neck may contact the shoulder belt, increasing the risk of death or serious injury in the event of an accident.
  Adjustments should not be made while driving as the seat may unexpectedly move and cause the driver to lose control of the vehicle.
- After adjusting the seat, make sure that the seat is locked in position.
- Never allow anyone to touch seatback lock release levers while the vehicle is moving.
- If anyone is in the vicinity, make sure they are clear of the seat back path and let them know that the seat is about to move.

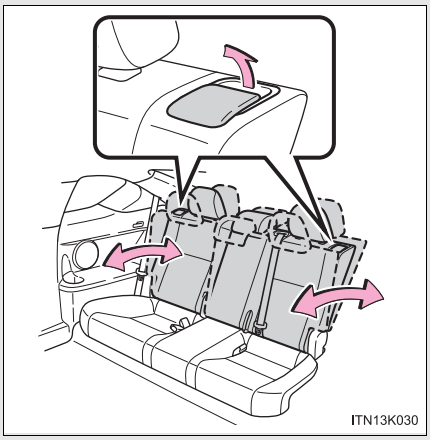
■ **After returning the seatback to the upright position**

Make sure the seatback is securely locked by pushing it forward and rearward. Failure to do so may result in death or serious injury.

NOTICE

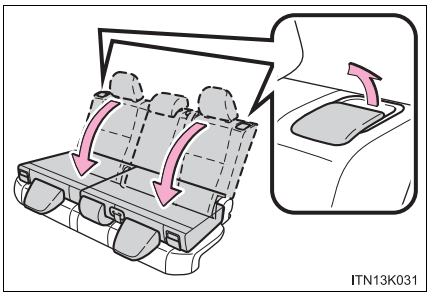
■ **To prevent the seat lock mechanism malfunction**

Do not use the seatback angle adjustment lever and seatback lock release lever at the same time. If they are used together, the seat lock mechanism may be damaged.



Pull up the seatback angle adjustment lever until the lock is released.

Folding down the rear seatbacks



Pull the seatback angle adjustment lever and fold them down.

To return the rear seatbacks to their original positions, unlock the seatbacks by pulling the seatback angle adjustment lever and lift them up until they lock.

CAUTION

When folding the rear seatbacks down

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

- Do not fold the seatbacks down while driving.
- Stop the vehicle on level ground, set the parking brake and shift the shift lever to P (automatic transmission) or 1 (manual transmission).
- Do not allow anyone to sit on a folded seatback or in the luggage compartment while driving.
- Do not allow children to enter the luggage compartment.

Seat adjustment

To reduce the risk of sliding under the lap belt during a collision, do not recline the seat more than necessary.
If the seat is too reclined, the lap belt may slide past the hips and apply restraint forces directly to the abdomen, or your neck may contact the shoulder belt, increasing the risk of death or serious injury in the event of an accident.
Adjustments should not be made while driving as the seat may unexpectedly move and cause the driver to lose control of the vehicle.

After returning the rear seatback to the upright position

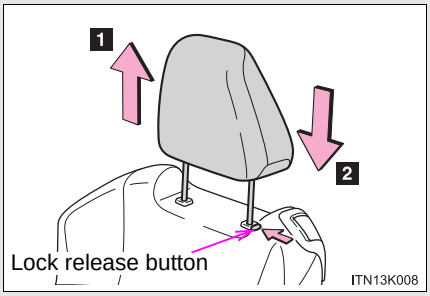
Observe the following precautions. Failure to do so may result in death or serious injury.

- Make sure the seatback is securely locked by pushing it forward and rearward on the top.
- Check that the seat belts are not twisted or caught in the seatback.

Head restraints

Head restraints are provided for all seats.

Front seats



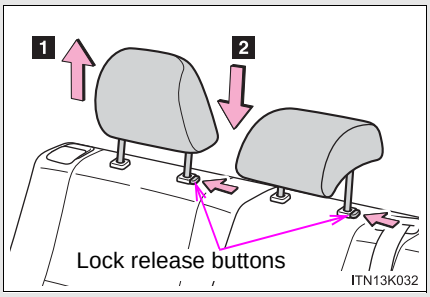
1 Up

Pull the head restraints up.

2 Down

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

Rear seats



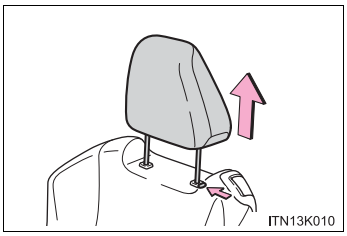
1 Up

Pull the head restraints up.

2 Down

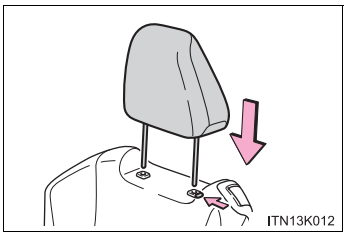
Push the head restraint down while pressing the lock release button.

■ Removing the head restraints



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

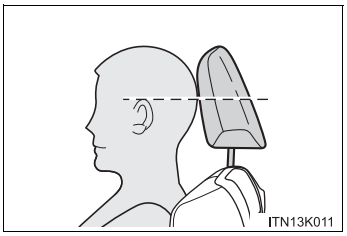
Installing the head restraints



Align the head restraint with the installation holes and push it down to the lock position.

Press and hold the lock release button when lowering the head restraint.

Adjusting the height of the head restraints



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

Adjusting the rear center seat head restraint

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

CAUTION

Head restraint precautions

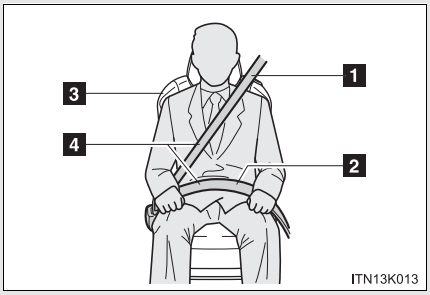
Observe the following precautions regarding the head restraints. Failure to do so may result in death or serious injury.

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

Seat belts

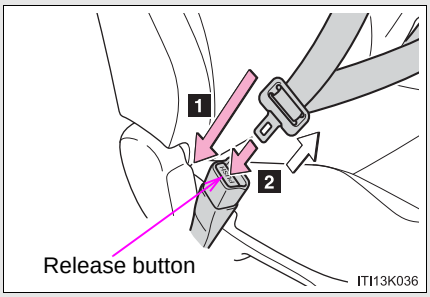
Make sure that all occupants are wearing their seat belts before driving the vehicle.

Correct use of the seat belts



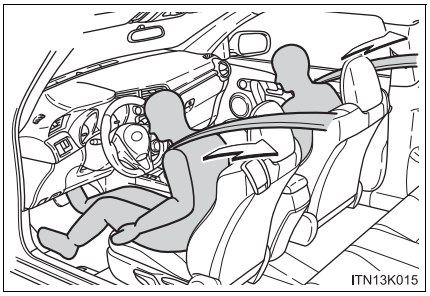
1. Extend the shoulder belt so that it comes fully over the shoulder, but does not come into contact with the neck or slide off the shoulder.
2. Position the lap belt as low as possible over the hips.
3. Adjust the position of the seatback. Sit up straight and well back in the seat.
4. Do not twist the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

Fastening and releasing the seat belt



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

Seat belt pretensioners (front seats)



The pretensioners help the seat belts to quickly restrain the occupants by retracting the seat belts when the vehicle is subjected to certain types of severe frontal collision.

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

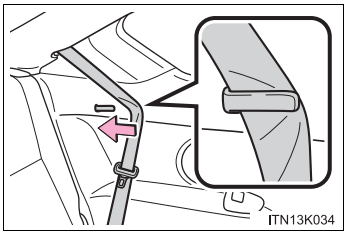
■ **Emergency locking retractor (ELR)**

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

■ **Automatic locking retractor (ALR)**

When a passenger's shoulder belt is completely extended and then retracted even slightly, the belt is locked in that position and cannot be extended. This feature is used to hold the child restraint system (CRS) firmly. To free the belt again, fully retract the belt and then pull the belt out once more. (→P. 135)

■ **When not using the rear outboard seat belts**



Pass the outboard seat belts through the seat belt hangers.

■ **Child seat belt usage**

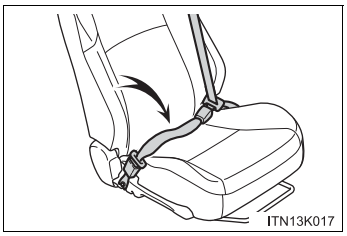
The seat belts of your vehicle were principally designed for persons of adult size.

- Use a child restraint system appropriate for the child, until the child becomes large enough to properly wear the vehicle's seat belt. (→P. 129)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions on P. 77 regarding seat belt usage.

Replacing the belt after the pretensioner has been activated

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

Seat belt extender



If your seat belts cannot be fastened securely because they are not long enough, a personalized seat belt extender is available from your Scion dealer free of charge.

CAUTION

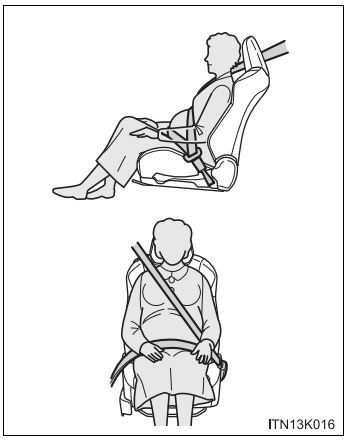
Observe the following precautions to reduce the risk of injury in the event of sudden braking, sudden swerving or an accident.
Failure to do so may cause death or severe injury.

Wearing a seat belt

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

CAUTION

■ **Pregnant women**



Obtain medical advice and wear the seat belt in the proper way. (→P. 77)

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

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

■ **People suffering illness**

Obtain medical advice and wear the seat belt in the proper way. (→P. 77)

■ **When children are in the vehicle**

Do not allow children to play with the seat belt. If the seat belt becomes twisted around a child's neck, it may lead to choking or other serious injuries that could result in death.
If this occurs and the buckle cannot be unfastened, scissors should be used to cut the belt.

CAUTION

■ **Seat belt pretensioners**

- Do not place anything, such as a cushion, on the front passenger's seat. Doing so will disperse the passenger's weight, which prevents the sensor from detecting the passenger's weight properly. As a result, the seat belt pretensioner for the front passenger's seat may not activate in the event of a collision.
- If the pretensioner has activated, the SRS warning light will come on. In that case, the seat belt cannot be used again and must be replaced at your Scion dealer.

■ **Seat belt damage and wear**

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

CAUTION

Using a seat belt extender

- Do not wear the seat belt extender if you can fasten the seat belt without the extender.
- Do not use the seat belt extender when installing a child restraint system because the belt will not securely hold the child restraint system, increasing the risk of death or serious injury in the event of an accident.
- The personalized extender may not be safe on another vehicle, when used by another person, or at a different seating position other than the one originally intended.

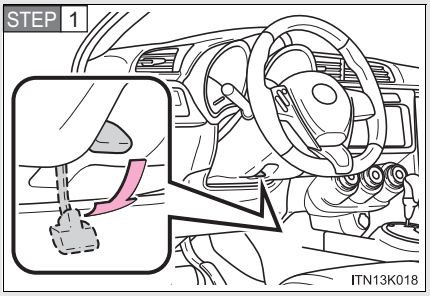
NOTICE

When using a seat belt extender

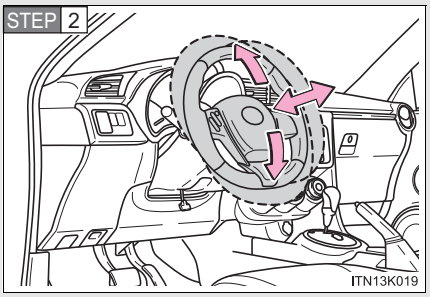
When releasing the seat belt, press on the buckle release button on the extender, not on the seat belt.
This helps prevent damage to the vehicle interior and the extender itself.

Steering wheel

The steering wheel can be adjusted to a comfortable position.



Hold the steering wheel and push the lever down.



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

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

CAUTION

■ **Caution while driving**

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

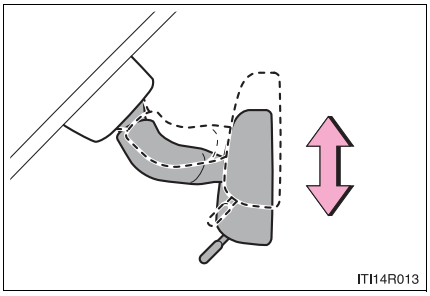
■ **After adjusting the steering wheel**

Make sure that the steering wheel is securely locked.
Otherwise, the steering wheel may move suddenly, possibly causing an accident and resulting in death or serious injury.

Anti-glare inside rear view mirror

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

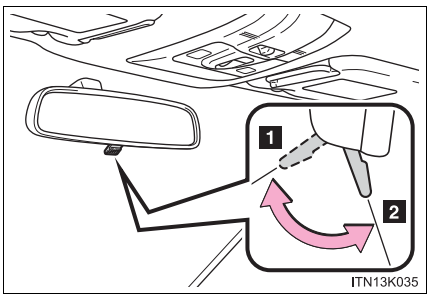
Adjusting the height of rear view mirror



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

Anti-glare function

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



1 Normal position

2 Anti-glare position

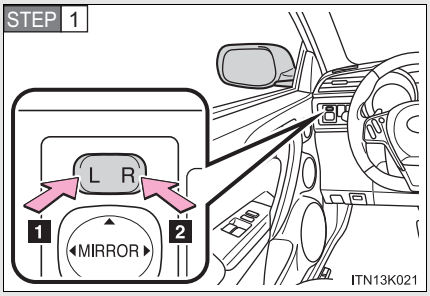
CAUTION

Caution while driving

Do not adjust the position of the mirror while driving.
Doing so may lead to mishandling of the vehicle and cause an accident, resulting in death or serious injury.

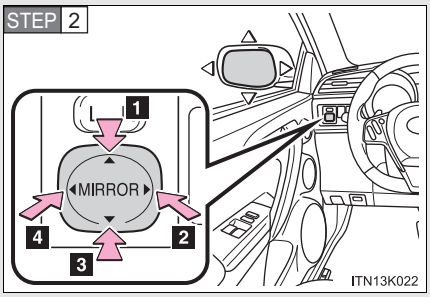
Outside rear view mirrors

Mirror angle can be adjusted using the switch.



To select a mirror to adjust, press the switch.

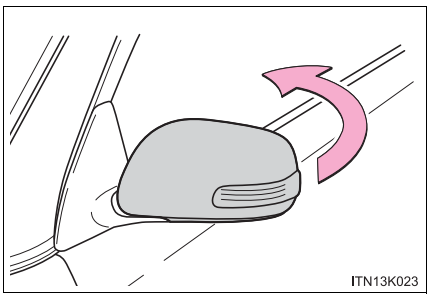
1 Left
2 Right



To adjust the mirror, press the switch.

1 Up
2 Right
3 Down
4 Left

Folding the mirrors



Push the mirror back in the direction of the vehicle's rear.

■ **Mirror angle can be adjusted when**

Vehicles without a smart key system
The engine switch is in the “ACC” or “ON” position.

Vehicles with a smart key system
The “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode.

■ **When the mirrors are fogged up (vehicles with outside rear view mirror defoggers)**

The outside rear view mirrors can be cleared using the mirror defoggers. Turn on the rear window defogger to turn on the outside rear view mirror defoggers. (→P. 245)

⚠ CAUTION

■ **When driving the vehicle**

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

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

■ **When a mirror is moving**

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

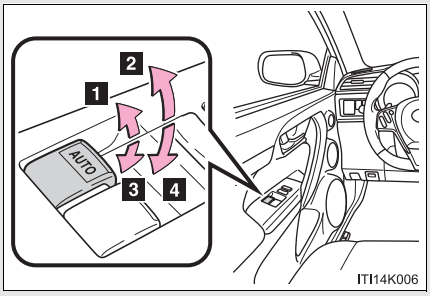
■ **When the mirror defoggers are operating (vehicles with outside rear view mirror defoggers)**

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

Power windows

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

Operating the switch moves the windows as follows:



1 Closing

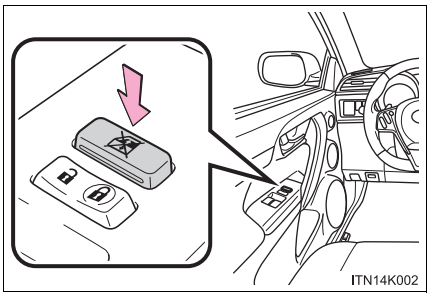
2 One-touch closing (driver's window only)*

3 Opening

4 One-touch opening (driver's window only)*

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

Window lock switch



Press the switch down to lock the passenger window switch.

Use this switch to prevent children from accidentally opening or closing a passenger window.

■ **The power windows can be operated when**

Vehicles without a smart key system
The engine switch is in the “ON” position.

Vehicles with a smart key system
The “ENGINE START STOP” switch is in IGNITION ON mode.

■ **Operating the power windows after turning the engine off**

Vehicles without a smart key system
The power windows can be operated for approximately 45 seconds even after the engine switch is turned to the “ACC” or “LOCK” position. They cannot, however, be operated once either side door is opened.

Vehicles with a smart key system
The power windows can be operated for approximately 45 seconds even after the “ENGINE START STOP” switch is turned to ACCESSORY mode or turned off. They cannot, however, be operated once either side door is opened.

■ **Jam protection function (driver’s window only)**

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

■ When the power window does not close normally (driver's window only)

If the jam protection function is operating abnormally and a window cannot be closed, perform the following operations using the power window switch on the driver's door.

- After stopping the vehicle, the window can be closed by holding the power window switch in the one-touch closing position while the engine switch is turned to the "ON" position (vehicles without a smart key system) or the "ENGINE START STOP" switch is turned to IGNITION ON mode (vehicles with a smart key system).
- If the window still cannot be closed even by carrying out the operation explained above, initialize the function by performing the following procedure.

STEP 1 Hold the power window switch in the one-touch closing position. Continue holding the switch for a further 6 seconds after the window has closed.

STEP 2 Hold the power window switch in the one-touch opening position. Continue holding the switch for a further 2 seconds after the window has opened completely.

STEP 3 Hold the power window switch in the one-touch closing position once again. Continue holding the switch for a further 2 seconds after the window has closed.

If you release the switch while the window is moving, start again from the beginning. If the window continues to close but then re-open slightly even after performing the above procedure correctly, have the vehicle inspected by your Scion dealer.

CAUTION

Closing the windows

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

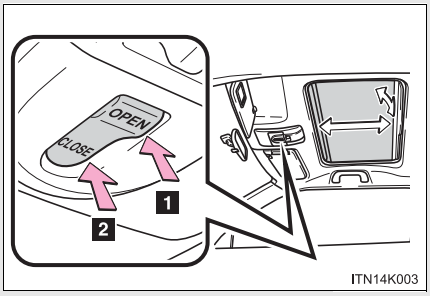
- Check to make sure that all passengers do not have any part of their body in a position where it could be caught when a window is being operated.
- Do not allow children to operate the power windows.
  Closing a power window on someone can cause serious injury, and in some instances, even death.

Jam protection function (driver's window only)

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

Moon roof

Use the overhead switches to open, close, and tilt the moon roof up and down.



1 Open

Push “OPEN” to tilt up.
To tilt down, push and hold “CLOSE”.
To fully open, push “OPEN” again at the tilt up position.

2 Close

Push and hold “CLOSE”.
The moon roof stops once.
Push and hold the switch again to fully close.

■ The moon roof can be operated when

Vehicles without a smart key system
The engine switch is in the “ON” position.

Vehicles with a smart key system
The “ENGINE START STOP” switch is in IGNITION ON mode.

Operating the moon roof after turning the engine off

Vehicles without a smart key system
The moon roof can be operated for approximately 45 seconds after the engine switch is turned to the “ACC” or “LOCK” position. It cannot, however, be operated once either side door is opened.

Vehicles with a smart key system
The moon roof can be operated for approximately 45 seconds after the “ENGINE START STOP” switch is turned to ACCESSORY mode or turned off. It cannot, however, be operated once either side door is opened.

Jam protection function

If an object is detected between the moon roof and the frame while closing or tilting down, travel is stopped and the moon roof opens slightly.

If the moon roof cannot be closed

If the moon roof cannot be closed, such as when the jam protection function activates accidentally due to a malfunction, pressing and holding the “CLOSE” switch closes the moon roof.
After this, to make the automatic opening function and jam protection function available again, press and hold the “CLOSE” switch until the moon roof closes fully and then opens slightly.
If the functions do not activate, contact your Scion dealer.

To reduce moon roof wind noise

Drive with the moon roof opened to slightly before the fully open position as driving with the moon roof opened fully will cause wind noise.

Sunshade

The sunshade can be opened and closed manually. (→P. 264)

CAUTION

■ Opening the moon roof

Observe the following precautions.
Failing to do so may cause death or serious injury.

- Do not allow any passengers to put their hands or heads outside the vehicle while it is moving.
- Do not sit on top of the moon roof.

■ Closing the moon roof

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

- Check to make sure that all passengers do not have any part of their bodies in a position where they could be caught when the moon roof is being operated.
- Do not allow children to operate the moon roof.
  Closing the moon roof on someone can cause death or serious injury.

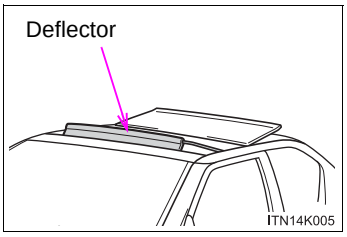
■ Jam protection function

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

NOTICE

Operating the moon roof

- There is the possibility that water or rain will get into the vehicle if you operate the moon roof after a rainfall, snowfall or car wash. Wipe the moon roof dry with a cloth before operating it.



- When the deflector is dirty, wipe it with the brush etc.

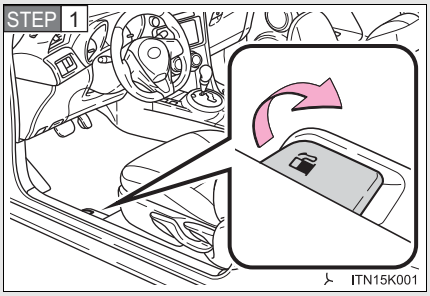
Opening the fuel tank cap

Perform the following steps to open the fuel tank cap:

■ Before refueling the vehicle

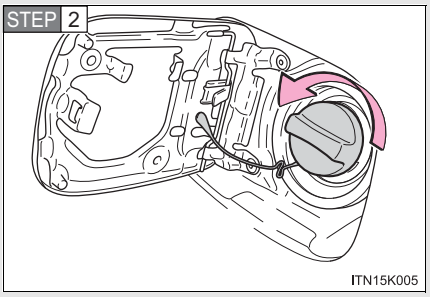
- Vehicles without a smart key system:
  Turn the engine switch off and ensure that all the doors and windows are closed.
- Vehicles with a smart key system:
  Turn the “ENGINE START STOP” switch off and ensure that all the doors and windows are closed.
- Confirm the type of fuel. (→P. 99, 437)

■ Opening the fuel tank cap



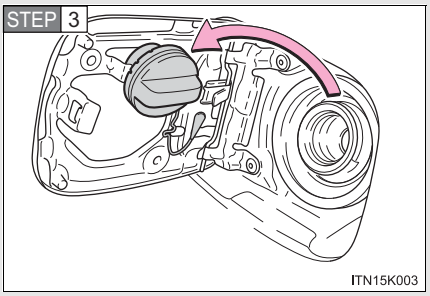
Pull up the opener to open the fuel filler door.

STEP 2



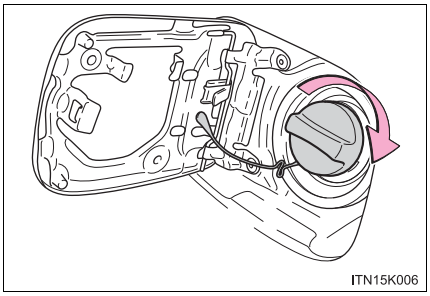
Turn the fuel tank cap slowly to open.

STEP 3



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

Closing the fuel tank cap



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

Fuel types

Unleaded gasoline (Octane rating 87 [Research Octane Number 91] or higher)

CAUTION

When refueling the vehicle

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

- After exiting the vehicle and before opening the fuel door, touch an unpainted metal surface to discharge any static electricity. It is important to discharge static electricity before refueling because sparks resulting from static electricity can cause fuel vapors to ignite while refueling.
- Always hold the grips on the fuel tank cap and turn it slowly to remove it.
  A whooshing sound may be heard when the fuel tank cap is loosened. Wait until the sound cannot be heard before fully removing the cap.
  In hot weather, pressurized fuel may spray out the filler neck and cause injury.
- Do not allow anyone that has not discharged static electricity from their body 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.

CAUTION

When refueling

Observe the following precautions to prevent fuel overflowing from the fuel tank:

- Securely insert the fuel nozzle into the fuel filler neck
- Stop filling the tank after the fuel nozzle automatically clicks off
- Do not top off the fuel tank.

When replacing the fuel cap

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

NOTICE

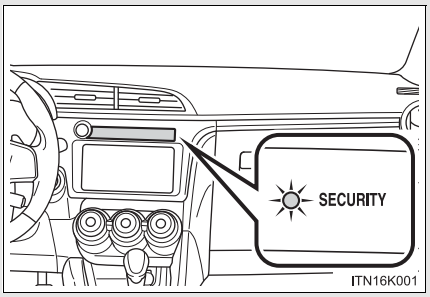
Refueling

Do not spill fuel during refueling.
Doing so may damage the vehicle, such as causing the emission control system to operate abnormally or damaging fuel system components or the vehicle's painted surface.

Engine immobilizer system

The vehicle's keys have built-in transponder chips that prevent the engine from starting if a key has not been previously registered in the vehicle's on-board computer.
Never leave the keys inside the vehicle when you leave the vehicle.

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



Vehicles without a smart key system

The indicator light flashes after the key has been removed from the engine switch to indicate that the system is operating.
The indicator light stops flashing after the registered key has been inserted into the engine switch to indicate that the system has been canceled.

Vehicles with a smart key system

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

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

■ **System maintenance**

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

■ **Conditions that may cause the system to malfunction**

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

Certifications for the engine immobilizer system

For vehicles sold in the U.S.A.
Vehicles without a smart key system
FCC ID: MOZRI-33BTY
FCC ID: MOZRI-20BTY

Vehicles with a smart key system
FCC ID: NI4TMIMB-2

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.

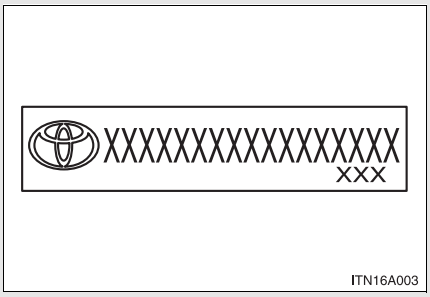
For vehicles sold in Canada
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

NOTICE

To ensure the system operates correctly

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

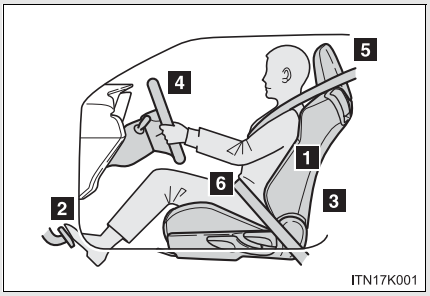
Theft prevention labels (for U.S.A.)



These labels are attached to the vehicle to reduce vehicle theft by facilitating the tracing and recovery of parts from stolen vehicles. Do not remove under penalty of law.

Correct driving posture

Drive with a good posture as follows:



1. Sit upright and well back in the seat. (→P. 67)
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. 67)
3. Adjust the seatback so that the controls are easily operable. (→P. 67)
4. Adjust the tilt and telescopic positions of the steering wheel downward so the airbag is facing your chest. (→P. 84)
5. Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P. 75)
6. Wear the seat belt correctly. (→P. 77)

CAUTION

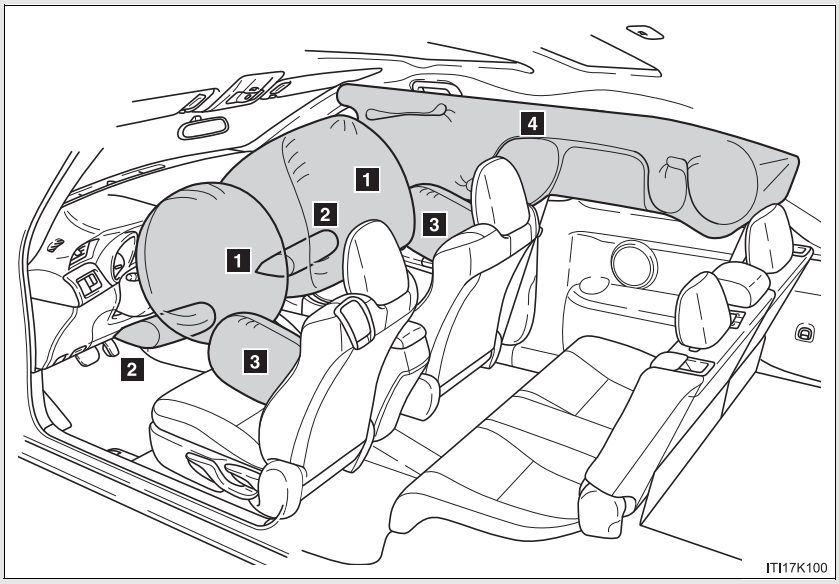
■ **While driving**

- Do not adjust the position of the driver's seat.
  Doing so could cause the driver to lose control of the vehicle.
- 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.
- 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, resulting in death or serious injury. The adjustment mechanism may also be damaged.

■ **Adjusting the seat position**

- Take care when adjusting the seat position to ensure that other passengers are not injured by the moving seat.
- 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.

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



SRS front airbags

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

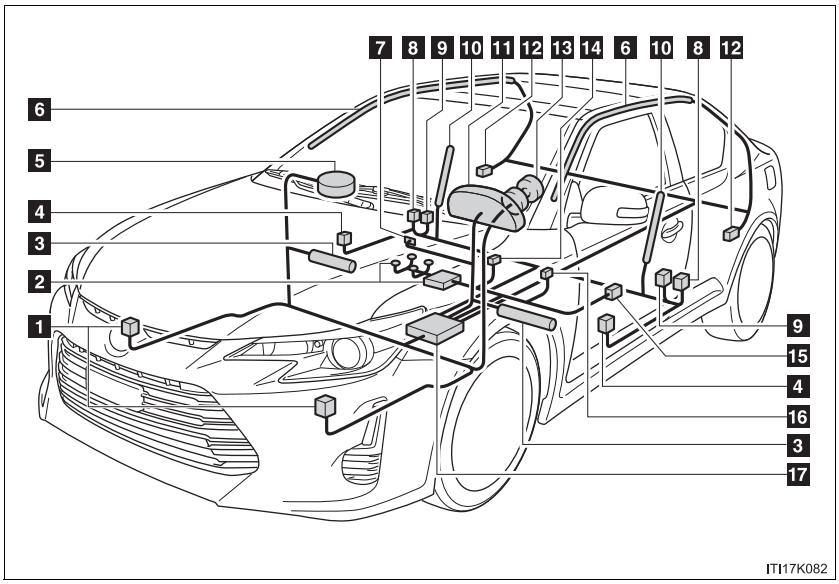
2 SRS knee airbags
Can help provide driver and front passenger protection

SRS side and curtain shield airbags

3 SRS side airbags
Can help protect the torso of the front seat occupants

4 SRS curtain shield airbags
Can help protect primarily the heads of occupants in the outer seats

SRS airbag system components



1. Front impact sensors
2. Front passenger occupant classification system (ECU and sensors)
3. Knee airbags
4. Side impact sensors (front door)
5. Front passenger airbag
6. Curtain shield airbags
7. “AIR BAG ON” and “AIR BAG OFF” indicator lights
8. Side impact sensors (front)
9. Seat belt pretensioners and force limiters
10. Side airbags
11. SRS warning light
12. Side impact sensors (rear)
13. Driver airbag
14. Front passenger’s seat belt buckle switch
15. Driver’s seat position sensor
16. Driver’s seat belt buckle switch
17. Airbag sensor assembly

Your vehicle is equipped with ADVANCED AIRBAGS designed based on the US motor vehicle safety standards (FMVSS208). The airbag sensor assembly (ECU) controls airbag deployment based on information obtained from the sensors etc. shown in the system components diagram above. This information includes crash severity and occupant information. As the airbags deploy, a chemical reaction in the inflators quickly fills the airbags with non-toxic gas to help restrain the motion of the occupants.

If the SRS airbags deploy (inflate)

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

■ **SRS airbag deployment conditions (SRS front airbags)**

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

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

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

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

● The SRS front airbags for the front passenger will not activate if there is no passenger sitting in the front passenger seat. However, the SRS front airbags for the front passenger may deploy if luggage is put in the seat, even if the seat is unoccupied. (→P. 123)

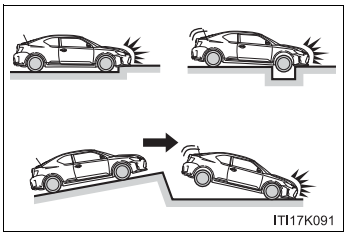
■ **SRS airbag deployment conditions (SRS side and curtain shield airbags)**

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

● The SRS curtain shield airbags may also deploy in the event of a severe frontal collision.

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

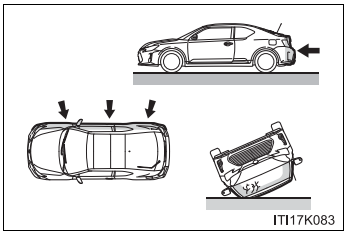
The SRS front airbags and SRS curtain shield airbags may also deploy if a serious impact occurs to the underside of your vehicle. Some examples are shown in the illustration.



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

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

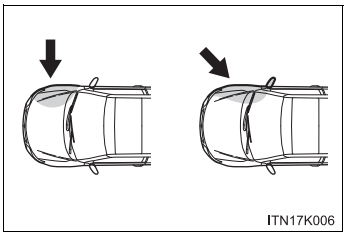
The SRS front airbags do not generally inflate if the vehicle is involved in a side or rear collision, if it rolls over, or if it is involved in a low-speed frontal collision. But, whenever a collision of any type causes sufficient forward deceleration of the vehicle, deployment of the SRS front airbags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



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

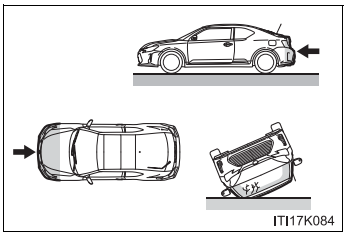
Types of collisions that may not deploy the SRS airbags (SRS side and curtain shield airbags)

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



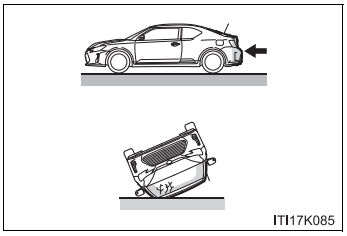
- Collision from the side to the vehicle body other than the passenger compartment
- Collision from the side at an angle

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



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

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

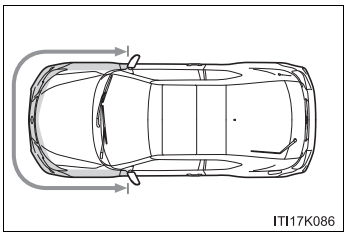


- Collision from the rear
- Vehicle rollover

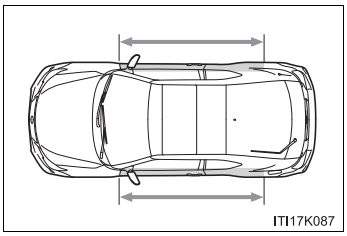
■ When to contact your Scion dealer

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

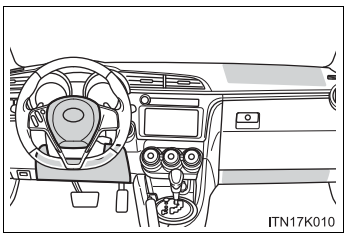
- Any of the SRS airbags have been inflated.



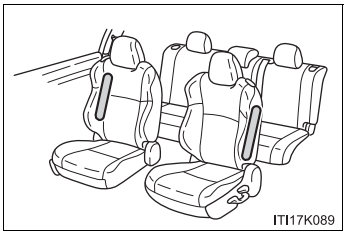
- The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS front airbags to inflate.



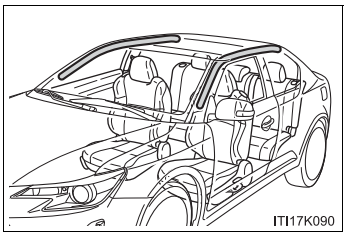
- A portion of a door or its surrounding area is damaged or deformed, or the vehicle was involved in an accident that was not severe enough to cause the SRS side and curtain shield airbags to inflate.



- The pad section of the steering wheel, dashboard near the front passenger airbag or lower portion of the instrument panel is scratched, cracked, or otherwise damaged.



- The surface of the seats with the side airbag is scratched, cracked, or otherwise damaged.



- The portion of the front pillars, rear pillars or roof side rail garnishes (padding) containing the curtain shield airbags inside is scratched, cracked or otherwise damaged.

CAUTION

SRS airbag precautions

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

- The driver and all passengers in the vehicle must wear their seat belts properly.
  The SRS airbags are supplemental devices to be used with the seat belts.
- The SRS driver airbag deploys with considerable force, and can cause death or serious injury especially if the driver is very close to the airbag.
  The National Highway Traffic Safety Administration (NHTSA) advises:

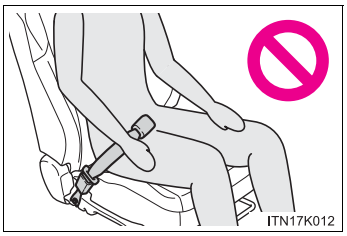
  Since the risk zone for the driver's airbag is the first 2 - 3 in. (50 - 75 mm) of inflation, placing yourself 10 in. (250 mm) from your driver airbag provides you with a clear margin of safety. This distance is measured from the center of the steering wheel to your breastbone. If you sit less than 10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

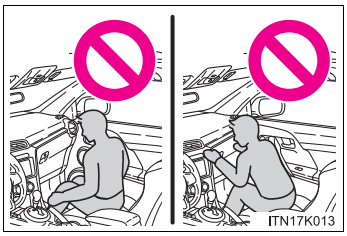


- If the seat belt extender has been connected to the front seat belt buckles but the seat belt extender has not also been fastened to the latch plate of the seat belt, the SRS front airbags will judge that the driver and front passenger are wearing the seat belt even though the seat belt has not been connected. In this case, the SRS front airbags may not activate correctly in a collision, resulting in death or serious injury in the event of a collision. Be sure to wear the seat belt with the seat belt extender.

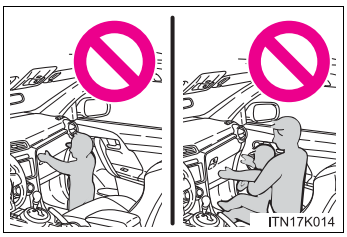
- The SRS front passenger airbag also deploys with considerable force, and can cause death or serious injury especially if the front passenger is very close to the airbag. The front passenger seat should be as far from the airbag as possible with the seatback adjusted, so the front passenger sits upright.
- 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. Scion strongly recommends that all infants and children be placed in the rear seats of the vehicle and properly restrained. The rear seats are safer for infants and children than the front passenger seat. (→P. 129)

CAUTION

■ **SRS airbag precautions**

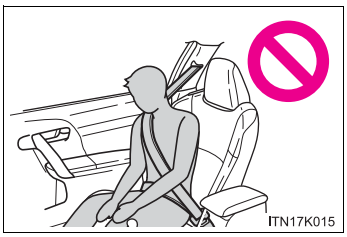


● Do not sit on the edge of the seat or lean against the dashboard.

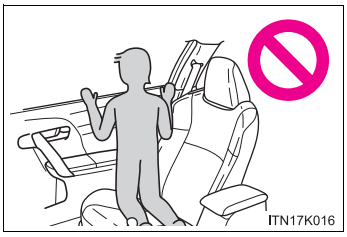


● Do not allow a child to stand in front of the SRS front passenger airbag unit or sit on the knees of a front passenger.

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



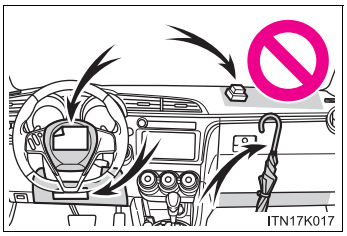
● Do not lean against the door, the roof side rail or the front, side and rear pillars.



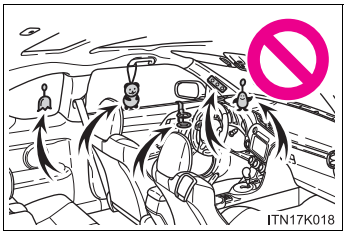
● Do not allow anyone to kneel on the passenger seat toward the door or put their head or hands outside the vehicle.

CAUTION

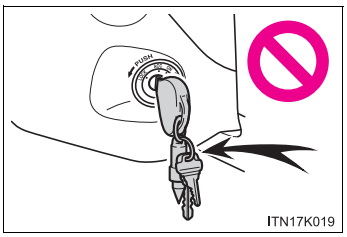
■ **SRS airbag precautions**



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



● Do not attach anything to areas such as a door, windshield glass, side door glass, front or rear pillar, roof side rail or assist grip.



● Vehicles without a smart key system:
Do not attach any heavy, sharp or hard objects such as keys and accessories to the key. The objects may restrict the SRS knee airbag inflation or be thrust into the driver's seat area by the force of the deploying airbag, thus causing a danger.

● Do not hang coat hangers or other hard objects on the coat hooks. All of these items could become projectiles and may cause death or serious injury, should the SRS curtain shield airbags deploy.

● If a vinyl cover is put on the area where the SRS knee airbag will deploy, be sure to remove it.

CAUTION

SRS airbag precautions

- Do not use seat accessories which cover the parts where the SRS side airbags inflate as they may interfere with inflation of the airbags. Such accessories may prevent the side airbags from activating correctly, disable the system or cause the side airbags to inflate accidentally, resulting in death or serious injury.
- Do not strike or apply significant levels of force to the area of the SRS airbag components.
  Doing so can cause the SRS airbags to malfunction.
- Do not touch any of the component parts immediately after the SRS airbags have deployed (inflated) as they may be hot.
- If breathing becomes difficult after the SRS airbags have deployed, open a door or window to allow fresh air in, or leave the vehicle if it is safe to do so. Wash off any residue as soon as possible to prevent skin irritation.
- If the areas where the SRS airbags are stored, such as the steering wheel pad and front and rear pillar garnishes, are damaged or cracked, have them replaced by your Scion dealer.
- Do not place anything, such as a cushion, on the front passenger's seat.
  Doing so will disperse the passenger's weight, which prevents the sensor from detecting the passenger's weight properly. As a result, the SRS front airbags for the front passenger may not deploy in the event of a collision.

CAUTION

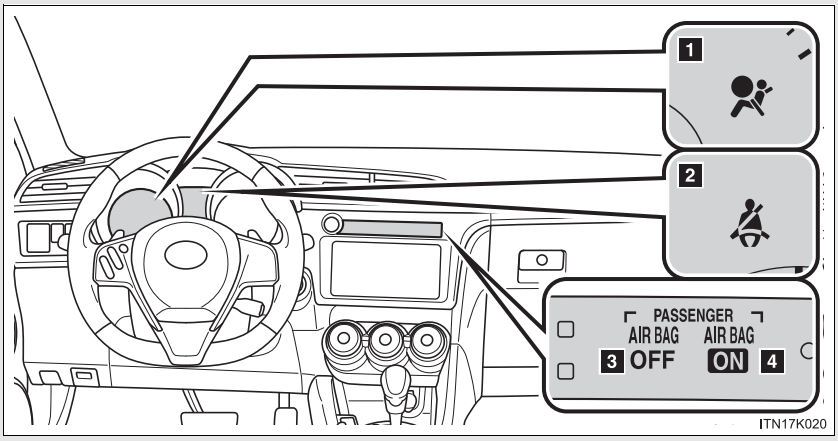
Modification and disposal of SRS airbag system components

Do not dispose of your vehicle or perform any of the following modifications without consulting your Scion dealer. The SRS airbags may malfunction or deploy (inflate) accidentally, causing death or serious injury.

- Installation, removal, disassembly and repair of the SRS airbags
- Repairs, modifications, removal or replacement of the steering wheel, instrument panel, dashboard, seats or seat upholstery, front, side and rear pillars or roof side rails
- Repairs or modifications of the front fender, front bumper or side of the occupant compartment
- Installation of 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 and CD players
- Modifications to your vehicle for a person with a physical disability

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 the front passenger.



1 SRS warning light

2 Seat belt reminder light

3 “AIR BAG OFF” indicator light

4 “AIR BAG ON” indicator light

Conditions and operation of the front passenger occupant classification system

■ Adult*1

Indicator/ warning light	“AIR BAG ON” and “AIR BAG OFF” indicator lights	“AIR BAG ON”
	SRS warning light	Off
	Seat belt reminder light	Off*2 or flashing*3
Devices	Front passenger airbag	Activated
	Side airbag on the front passenger seat	
	Curtain shield airbag in the front passenger side	
	Front passenger knee airbag	
	Front passenger’s seat belt pretensioner	

■ Child*4 or child restraint system*5

Indicator/ warning light	“AIR BAG ON” and “AIR BAG OFF” indicator lights	“AIR BAG OFF”*6
	SRS warning light	Off
	Seat belt reminder light	Flashing*2
Devices	Front passenger airbag	Deactivated
	Side airbag on the front passenger seat	Activated
	Curtain shield airbag in the front passenger side	
	Front passenger knee airbag	Deactivated
	Front passenger’s seat belt pretensioner	Activated

■ **Unoccupied**

Indicator/ warning light	“AIR BAG ON” and “AIR BAG OFF” indicator lights	“AIR BAG OFF”
	SRS warning light	Off
	Seat belt reminder light	
Devices	Front passenger airbag	Deactivated
	Side airbag on the front passenger seat	Activated
	Curtain shield airbag in the front passenger side	
	Front passenger knee airbag	Deactivated
	Front passenger’s seat belt pretensioner	Activated*7 or deactivated*8

■ **There is a malfunction in the system**

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

*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 is wearing a seat belt.

*3: In the event the front passenger does not wear a seat belt.

*4: 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.

*5: 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. 129)

*6: In case the indicator light is not illuminated, consult this manual on how to install the child restraint system properly. (→P. 135)

*7: In the event of a side collision.

*8: In the event of a frontal collision.

CAUTION

Front passenger occupant classification system precautions

Observe the following precautions regarding the front passenger occupant classification system.
Failure to do so may cause death or serious injury.

- Wear the seat belt properly.
- Make sure the front passenger's seat belt plate has not been left inserted into the buckle before someone sits in the front passenger seat.
- 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, and 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 SRS airbags for the front passenger will not activate, which could cause death or serious injury in the event of a collision.
- Do not apply a heavy load to the front passenger seat or equipment.
- Do not put weight on the front passenger seat by putting your hands or feet on the front passenger seat seatback from the rear passenger seat.
- Do not let a rear passenger lift the front passenger seat with their feet or press on the seatback with their legs.
- Do not put objects under the front passenger seat.

CAUTION

Front passenger occupant classification system precautions

- Do not recline the front passenger seatback so far that it touches a rear seat. This may cause the “AIR BAG OFF” indicator light to be illuminated, which indicates that the SRS airbags for the front passenger will not activate in the event of a severe accident. If the seatback touches the rear seat, return the seatback to a position where it does not touch the rear 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.
- 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 remains illuminated, either ask the passenger to move to the rear seat, or if that is not possible, move the front passenger seat fully rearward.
- When it is unavoidable to install a 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. 135)
- Do not modify or remove the front seats.
- 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 of the front passenger occupant classification system. In this case, contact your Scion dealer immediately.
- Child restraint systems installed on the rear seat should not contact the front seatbacks.
- Do not use a seat accessory, such as a cushion and seat cover, that covers the seat cushion surface.
- Do not modify or replace the upholstery of the front seat.

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. and Canada now require the use of child restraint systems.

Points to remember

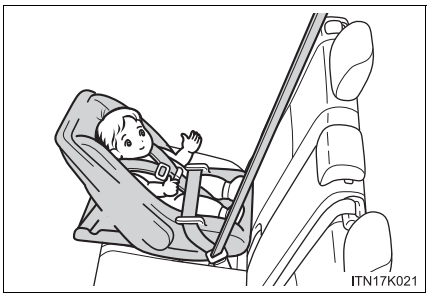
Studies have shown that installing a child restraint on a rear seat is much safer than installing one on the front passenger seat.

- Choose a child restraint system that suits your vehicle and is appropriate to the age and size of the child.
- For installation details, follow the instructions provided with the child restraint system.
  General installation instructions are provided in this manual.
  (→P. 135)

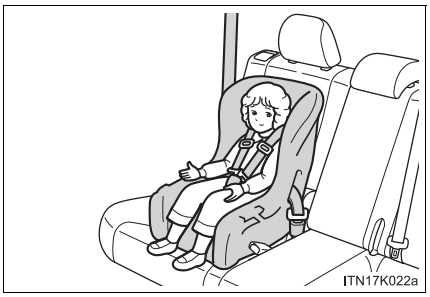
Types of child restraints

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

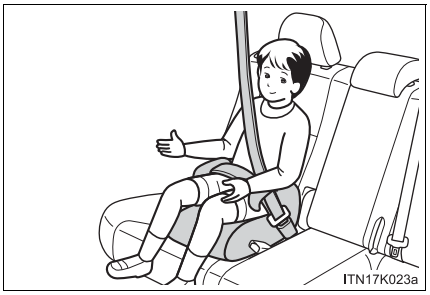
Rear facing — Infant seat/convertible seat



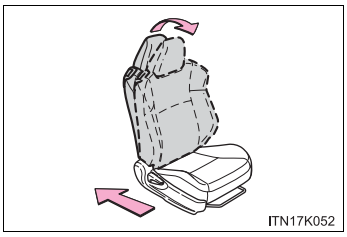
Forward facing — Convertible seat



Booster seat



When installing a child restraint system on the front passenger seat



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

- The seatback to the most upright position
- The seat cushion to the fully rearward position

Selecting an appropriate child restraint system

- Use a child restraint system appropriate for the child until the child becomes large enough to properly wear the vehicle's seat belt.
- If the child is too large for a child restraint system, sit the child on a rear seat and use the vehicle's seat belt. (→P. 77)

CAUTION

Child restraint precautions

- For effective protection in automobile accidents and sudden stops, a child must be properly restrained, using a seat belt or child restraint system depending on the age and size of the child. Holding a child in your arms is not a substitute for a child restraint system. In an accident, the child can be crushed against the windshield, or between you and the vehicle's interior.
- Scion strongly urges the use of a proper child restraint system that conforms to the size of the child, installed on the rear seat. According to accident statistics, the child is safer when properly restrained in the rear seat than in the front seat.
- Never install a rear-facing child restraint system on the front passenger seat even if the "AIR BAG OFF" indicator light is illuminated. 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.

CAUTION

Child restraint precautions

- 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 is illuminated, because the front passenger airbag could inflate with considerable speed and force. Otherwise, the child may be killed or seriously injured.
- 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 a sudden braking, sudden swerving or an accident.
- Do not allow the child to lean his/her head or any part of his/her body against the door or the area of the seat, front and rear pillars or roof side rails from which the SRS side airbags or SRS curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous if the SRS side airbags and curtain shield airbags inflate, and the impact could cause death or serious injury to the child.
- Make sure you have complied with all installation instructions provided by the child restraint manufacturer and that the system is properly secured. If it is not secured properly, it may cause death or serious injury to the child in the event of a sudden stop, sudden swerving or an accident.

CAUTION

■ **When children are in the vehicle**

Do not allow children to play with the seat belt. If the seat belt becomes twisted around a child's neck, it may lead to choking or other serious injuries that could result in death.
If this occurs and the buckle cannot be unfastened, scissors should be used to cut the belt.

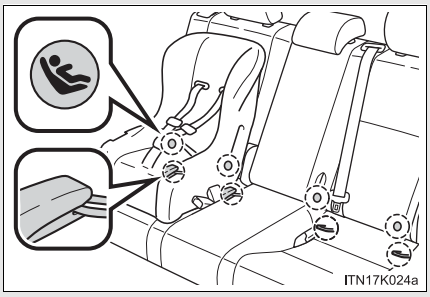
■ **When the child restraint system is not in use**

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

Installing child restraints

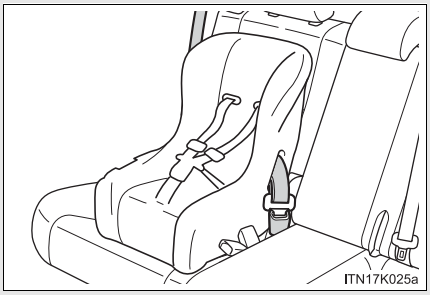
Follow the child restraint system manufacturer's instructions. Firmly secure child restraints to the seats using the LATCH anchors or a seat belt. Attach the top tether strap when installing a child restraint.

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.

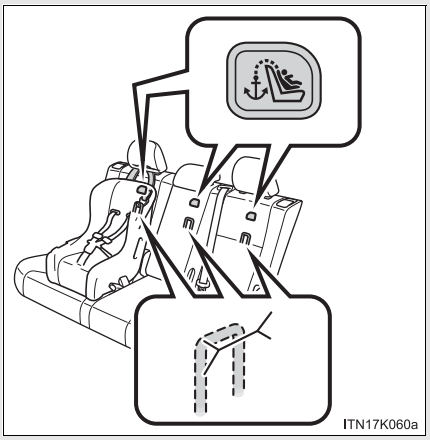


Child restraint LATCH anchors

LATCH anchors are provided for the outboard rear seats. (Buttons displaying the location of the anchors are attached to the seats.)



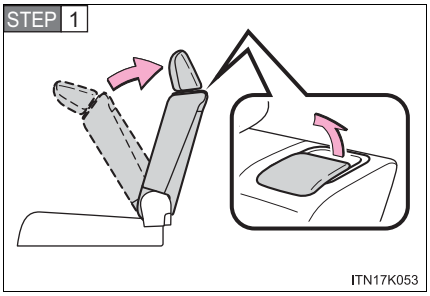
Seat belts equipped with a child restraint locking mechanism (ALR/ELR belts except driver's seat belt) (→P. 77)



Anchor bracket (for top tether strap)

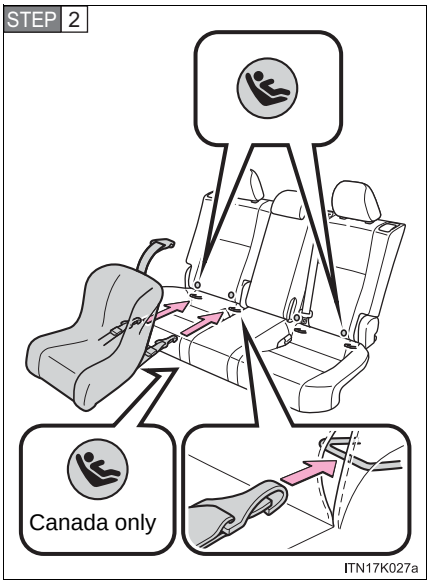
An anchor bracket is provided for each rear seat.

Installation with LATCH system



Fold the seatback while pulling the seatback angle adjustment lever up. Return the seatback and secure it at the first lock position.

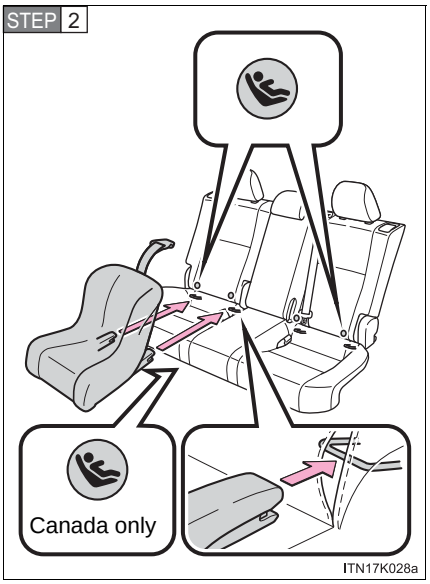
Type A



Latch the hooks of the lower straps onto the LATCH anchors. If the child restraint has a top tether strap, the top tether strap should be latched onto the top tether strap anchor.

For owners in Canada:
The symbol on a child restraint system indicates the presence of a lower connector system.

Type B

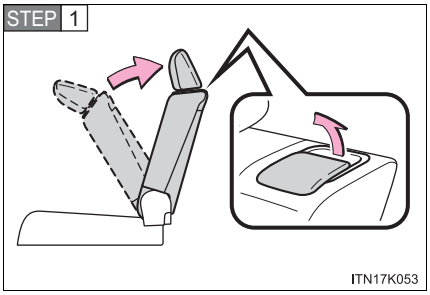


Latch the buckles onto the LATCH anchors. If the child restraint has a top tether strap, the top tether strap should be latched onto the top tether strap anchor.

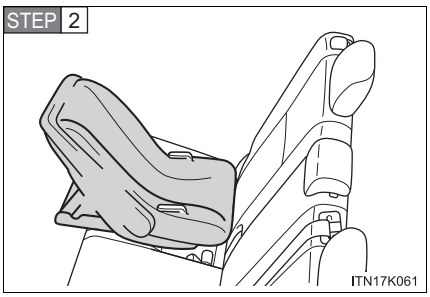
For owners in Canada:
The symbol on a child restraint system indicates the presence of a lower connector system.

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

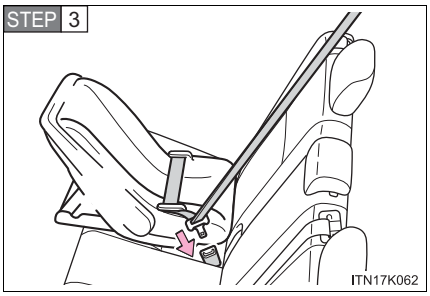
■ Rear facing — Infant seat/convertible seat



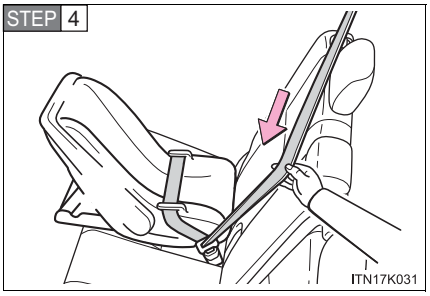
Fold the seatback while pulling the seatback angle adjustment lever up. Return the seatback and secure it at the first lock position.



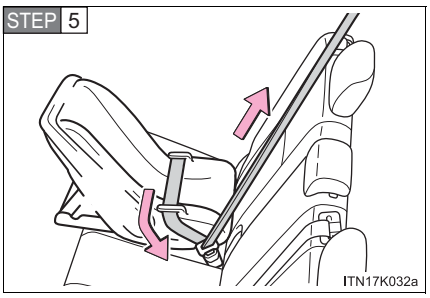
Place the child restraint system on the rear seat facing the rear of the vehicle.



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



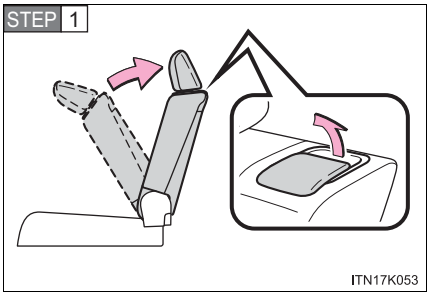
Fully extend the shoulder belt and allow it to retract to put it in lock mode. In lock mode, the belt cannot be extended.



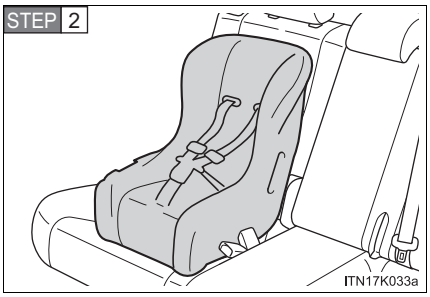
While pushing the child restraint system down into the rear seat, allow the shoulder belt to retract until the child restraint system is securely in place.

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.

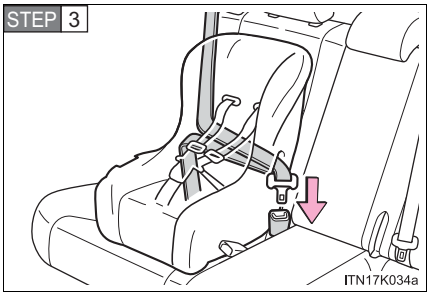
■ **Forward facing — Convertible seat**



Fold the seatback while pulling the seatback angle adjustment lever up. Return the seatback and secure it at the first lock position.

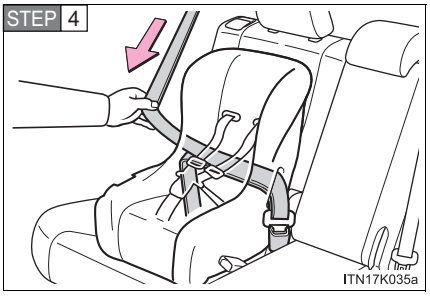


Place the child restraint system on the seat facing the front of the vehicle.



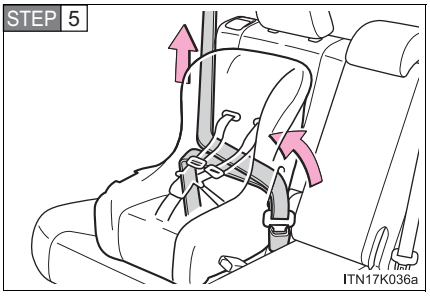
Run the seat belt through the child restraint system and insert the plate into the buckle. Make sure that the belt is not twisted.

STEP 4



Fully extend the shoulder belt and allow it to retract to put it in lock mode. In lock mode, the belt cannot be extended.

STEP 5

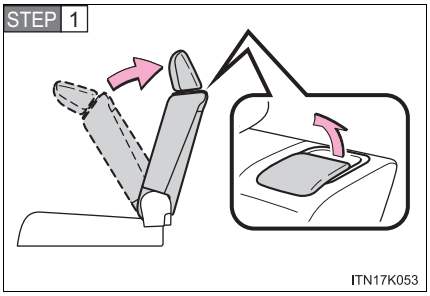


While pushing the child restraint system into the rear seat, allow the shoulder belt to retract until the child restraint system is securely in place.

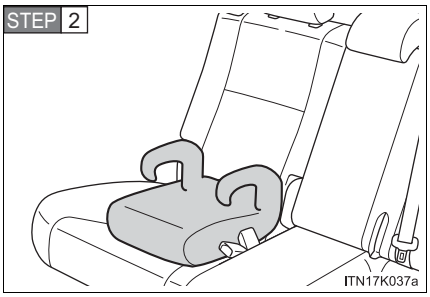
After the shoulder belt has retracted to a point where there is no slack in the belt, pull the belt to check that it cannot be extended.

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. 145)

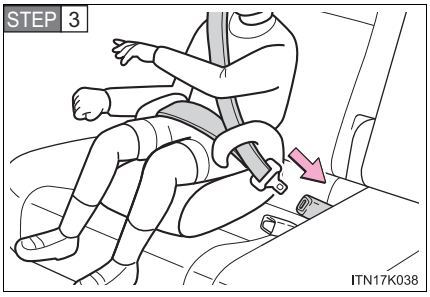
■ Booster seat



Fold the seatback while pulling the seatback angle adjustment lever up. Return the seatback and secure it at the first lock position.



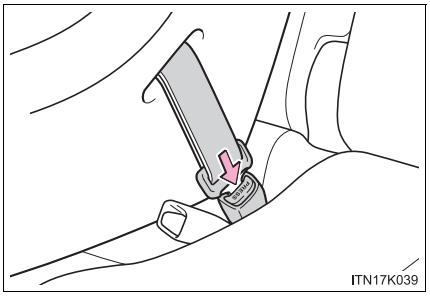
Place the child restraint system on the seat facing the front of the vehicle.



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

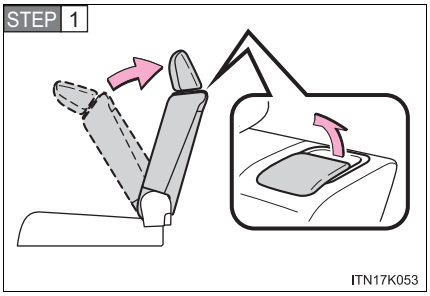
Check that the shoulder belt is correctly positioned over the child's shoulder and that the lap belt is as low as possible.
(→P. 77)

Removing a child restraint installed with a seat belt

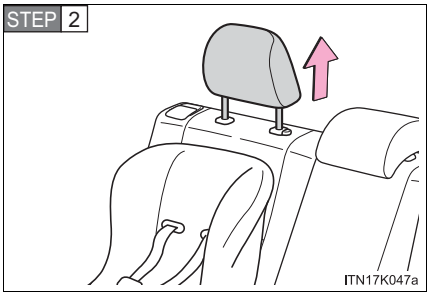


Push the buckle release button and fully retract the seat belt.

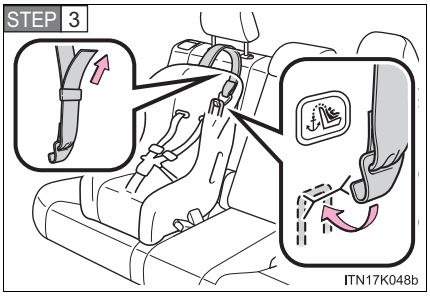
Child restraint systems with a top tether strap



Fold the seatback while pulling the seatback angle adjustment lever up. Return the seatback and secure it at the first lock position.



Secure the child restraint system using the seat belt or the LATCH anchors, and adjust the head restraint to the uppermost position.



Latch the hook onto the anchor bracket and tighten the top tether strap.

Make sure the top tether strap is securely latched.

Laws and regulations pertaining to anchorages

The LATCH system conforms to FMVSS225 or CMVSS210.2.
Child restraint systems conforming to FMVSS213 or CMVSS213 specifications can be used.
This vehicle is designed to conform to SAE J1819.

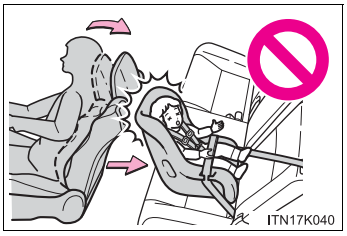
CAUTION

■ **When installing a booster seat**

To prevent the belt from going into ALR lock mode, do not fully extend the shoulder belt. ALR mode causes the belt to tighten only. This could cause injury or discomfort to the child. (→P. 79)

■ **When installing a child restraint system**

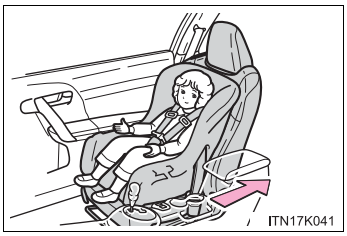
Follow the directions given in the child restraint system installation manual and fix the child restraint system securely in place.
If the child restraint system is not correctly fixed in place, the child or other passengers may be seriously injured or even killed in the event of sudden braking, sudden swerving or an accident.



- 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.
- Adjust the front passenger seat so that it does not interfere with the child restraint system.

CAUTION

■ **When installing a child restraint system**



- Only put a forward-facing child restraint system on the front seat when unavoidable.
  When installing a forward-facing child restraint system on the front passenger seat, move the seat as far back as possible even if the “AIR BAG OFF” indicator light is illuminated. Failure to do so may result in death or serious injury if the airbags deploy (inflate).
- When installing a child restraint system on the rear center seat, adjust both seatbacks as upright as possible. The seatbacks must be adjusted to the same angle. Otherwise, the child restraint system cannot be securely restrained and this may cause death or serious injuries in the event of sudden braking, sudden swerving or an accident.
- 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. Failure to do so may result in death or serious injury in the event of sudden braking, sudden swerving or an accident.
- Ensure that the belt and tab are securely locked and the seat belt is not twisted.
- Shake the child restraint system left and right, and forward and backward to ensure that it has been securely installed.
- After securing a child restraint system, never adjust the seat.
- Follow all installation instructions provided by the child restraint system manufacturer.

CAUTION

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 sudden braking, sudden swerving or an accident.

To correctly attach a child restraint system to the anchors

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 system. Make sure the child restraint system is securely attached, or it may cause death or serious injury to the child or other passengers in the event of a sudden braking, sudden swerving or an accident.

When driving 2

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Driving the vehicle

The following procedures should be observed to ensure safe driving:

■ Starting the engine

→P. 165, 169

■ Driving

Automatic transmission

STEP 1 With the brake pedal depressed, shift the shift lever to D. (→P. 178)

STEP 2 Release the parking brake. (→P. 188)

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

Manual transmission

STEP 1 While depressing the clutch pedal, shift the shift lever to 1. (→P. 185)

STEP 2 Release the parking brake. (→P. 188)

STEP 3 Gradually release the clutch pedal. At the same time, gently depress the accelerator pedal to accelerate the vehicle.

■ Stopping

Automatic transmission

STEP 1 With the shift lever in D, depress the brake pedal.

STEP 2 If necessary, set the parking brake.

If the vehicle is to be stopped for an extended period of time, shift the shift lever to P or N. (→P. 178)

Manual transmission

STEP 1 While depressing the clutch pedal, depress the brake pedal.

STEP 2 If necessary, set the parking brake.

If the vehicle is to be stopped for an extended period of time, shift the shift lever to N. (→P. 185)

■ Parking the vehicle

Automatic transmission

STEP 1 With the shift lever in D, depress the brake pedal.

STEP 2 Shift the shift lever to P. (→P. 178)

STEP 3 Set the parking brake. (→P. 188)

STEP 4 Vehicles without a smart key system:
Turn the engine switch to the “LOCK” position to stop the engine.
Vehicles with a smart key system:
Press the “ENGINE START STOP” switch to stop the engine.

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

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

Manual transmission

STEP 1 While depressing the clutch pedal, depress the brake pedal.

STEP 2 Shift the shift lever to N. (→P. 185)

STEP 3 Set the parking brake. (→P. 188)

If parking on a hill, shift the shift lever to 1 or R as needed.

STEP 4 Vehicles without a smart key system:
Turn the engine switch to the “LOCK” position to stop the engine.
Vehicles with a smart key system:
Press the “ENGINE START STOP” switch to stop the engine.

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

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

Starting off on a steep uphill

Automatic transmission

STEP 1 Make sure that the parking brake is set and shift the shift lever to D.

STEP 2 Gently depress the accelerator pedal.

STEP 3 Release the parking brake.

Manual transmission

STEP 1 With the parking brake firmly set and the clutch pedal fully depressed, shift the shift lever to 1.

STEP 2 Lightly depress the accelerator pedal at the same time as gradually releasing the clutch pedal.

STEP 3 Release the parking brake.

Driving in the rain

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

Engine speed while driving (vehicles with an automatic transmission)

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

- The vehicle is judged to be driving uphill or downhill
- When the accelerator pedal is released

Breaking in your new Scion

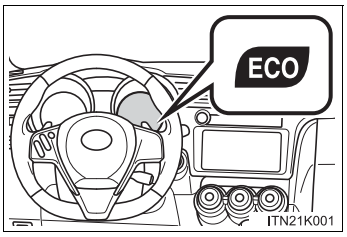
To extend the life of the vehicle, observing the following precautions is recommended:

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

Operating your vehicle in a foreign country

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P. 428)

Eco-friendly driving (vehicles with an automatic transmission)



During Eco-friendly acceleration operation (Eco driving), Eco Driving Indicator Light will turn on. When the acceleration pedal is depressed excessively, or when the vehicle is stopped, the light turns off.

Eco Driving Indicator Light will not operate in the following conditions:

- The shift lever is in anything other than D.
- The paddle shift switch (if equipped) is operated.
- The vehicle speed is approximately 80 mph (130 km/h) or higher.

CAUTION

■ **When starting the vehicle**

On vehicles with an automatic transmission, always keep your foot on the brake pedal while stopped with the engine running. This prevents the vehicle from creeping.

■ **When driving the vehicle**

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

- Accidentally depressing the accelerator pedal instead of the brake pedal will result in sudden acceleration that may lead to an accident that could result in death or serious injury.
- When backing up, you may twist your body around, leading to a difficulty in operating the pedals. Make sure to operate the pedals properly.
- Make sure to keep a correct driving posture even when moving the vehicle only slightly, 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.

● Do not drive the vehicle over or stop the vehicle near flammable materials. The exhaust system and exhaust gases can be extremely hot. These hot parts may cause a fire if there is any flammable material nearby.

● On vehicles with an automatic transmission, do not let the vehicle roll backward while the shift lever is in a driving position, or roll forward while the shift lever is in R.
Doing so may cause the engine to stall or lead to poor brake and steering performance, resulting in an accident or damage to the vehicle.

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

CAUTION

- On vehicles with an automatic transmission, do not shift the shift lever to P while the vehicle is moving.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to R while the vehicle is moving forward.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Do not shift the shift lever to D (vehicles with an automatic transmission) or 1 (vehicles with a manual transmission) while the vehicle is moving backward.
  Doing so can damage the transmission and may result in a loss of vehicle control.
- Moving the shift lever to N while the vehicle is moving will disengage the engine from the transmission. Engine braking is not available when N is selected.
- During normal driving, do not turn off the engine. Turning the engine off while driving will not cause loss of steering or braking control, but the power assist to these systems will be lost. This will make it more difficult to steer and brake, so you should pull over and stop the vehicle as soon as it is safe to do so.
  However, in the event of an emergency, such as if it becomes impossible to stop the vehicle in the normal way: →P. 423
- 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. 179)

CAUTION

- 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, resulting in death or serious injury.
- Always check that all passengers' arms, heads or other parts of their body are not outside the vehicle, as this may result in death or serious injury.
- 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.

■ When driving on slippery road surfaces

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

■ When shifting the shift lever (vehicles with an automatic transmission)

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

CAUTION

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

Have the brake pads checked and replaced by your Scion dealer as soon as possible.
Rotor damage may result if the pads are not replaced when needed.
It is dangerous to drive the vehicle when the wear limits of the brake pads and/or those of the brake discs are exceeded.

When the vehicle is stopped

- Do not race the engine.
  If the vehicle is in any gear other than P (vehicles with an automatic transmission only) or N, the vehicle may accelerate suddenly and unexpectedly, causing an accident.
- Do not leave the vehicle with the engine running for a long time.
  If such a situation cannot be avoided, park the vehicle in an open space and check that exhaust fumes do not enter the vehicle interior.
- On vehicles with an automatic transmission, in order to prevent accidents due to the vehicle rolling away, always keep depressing the brake pedal while the engine is running, and apply the parking brake as necessary.
- If the vehicle is stopped on an incline, in order to prevent accidents caused by the vehicle rolling forward or backward, always depress the brake pedal and securely apply the parking brake as needed.
- Avoid revving or racing the engine. Running the engine at high speed while the vehicle is stopped may cause the exhaust system to overheat, which could result in a fire if combustible material is nearby.

CAUTION

When the vehicle is parked

- Do not leave glasses, cigarette lighters, spray cans, or soft drink cans in the vehicle when it is in the sun.
  Doing so may result in the following:
  - Gas may leak from a cigarette lighter or spray can, and may lead to a fire.
  - The temperature inside the vehicle may cause the plastic lenses and plastic material of glasses to deform or crack.
  - Soft drink cans may 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.
- Do not leave cigarette lighters in the vehicle. If a cigarette lighter is in a place such as the glove box or on the floor, it may be lit accidentally when luggage is loaded or the seat is adjusted, causing a fire.
- Do not attach adhesive discs to the windshield or windows. Do not place containers such as air fresheners on the instrument panel or dashboard. Adhesive discs or containers may act as lenses, causing a fire in the vehicle.
- Do not leave a door or window open if the curved glass is coated with a metallized film such as a silver-colored one. Reflected sunlight may cause the glass to act as a lens, causing a fire.
- Always apply the parking brake, shift the shift lever to P (vehicles with an automatic transmission only), stop the engine and lock the vehicle.
  Do not leave the vehicle unattended while the engine is running.
- Do not touch the exhaust pipe while the engine is running or immediately after turning the engine off.
  Doing so may cause burns.
- 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.

CAUTION

■ **Exhaust gases**

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

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

■ **When taking a nap in the vehicle**

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

CAUTION

When braking

- 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.
- If the power brake assist function does not operate, do not follow other vehicles closely and avoid hills or sharp turns that require braking.
  In this case, braking is still possible, but the brake pedal should be depressed more firmly than usual. Also, the braking distance will increase.
- Do not pump the brake pedal if the engine stalls.
  Each push on the brake pedal uses up the reserve for the power-assisted brakes.
- The brake system consists of 2 individual hydraulic systems; if one of the systems fails, the other will still operate. In this case, the brake pedal should be depressed more firmly than usual and the braking distance will increase.
  If this happens, do not continue to drive the vehicle. Have your brakes fixed immediately.

NOTICE

When driving the vehicle (vehicles with an automatic transmission)

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

When driving the vehicle (vehicles with a manual transmission)

- Do not depress the accelerator and brake pedals at the same time during driving, as this may restrain driving torque.
- Do not shift gears unless the clutch pedal is fully depressed. After shifting, do not release the clutch pedal abruptly. Doing so may damage the clutch, transmission and gears.
- Observe the following to prevent the clutch from being damaged.
  - Do not rest your foot on the clutch pedal while driving.
    Doing so may cause clutch trouble.
  - Do not use any gear other than the 1st gear when starting off and moving forward.
    Doing so may damage the clutch.
  - Do not use the clutch to hold the vehicle when stopping on an uphill grade.
    Doing so may damage the clutch.
- Do not shift the shift lever to R when the vehicle is still moving. Doing so may damage the clutch, transmission and gears.

NOTICE

■ **When parking the vehicle (vehicles with an automatic transmission)**

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

■ **Avoiding damage to vehicle parts**

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

■ **If you get a flat tire while driving**

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

- It may be difficult to control your vehicle.
- The vehicle will make abnormal sounds or vibrations.
- The vehicle will lean abnormally.

Information on what to do in case of a flat tire. (→P. 391)

NOTICE

When encountering flooded roads

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

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

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

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

■ **Starting the engine**

Automatic transmission

STEP 1 Check that the parking brake is set.

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

STEP 3 Firmly depress the brake pedal.

STEP 4 Turn the engine switch to the “START” position to start the engine.

Manual transmission

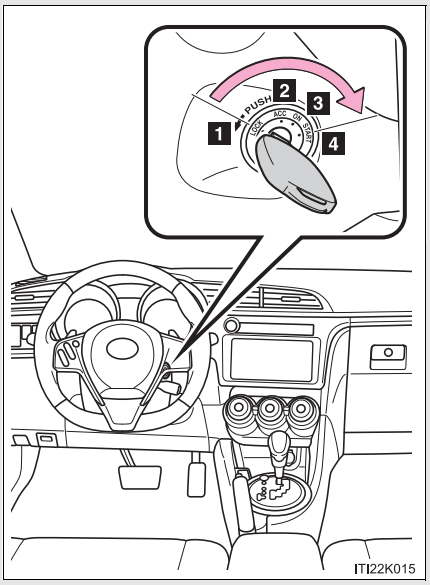
STEP 1 Check that the parking brake is set.

STEP 2 Check that the shift lever is set in N.

STEP 3 Firmly depress the clutch pedal.

STEP 4 Turn the engine switch to the “START” position to start the engine.

Changing engine switch positions



1 “LOCK”

The steering wheel is locked and the key can be removed. (Vehicles with an automatic transmission: The key can be removed only when the shift lever is in P.)

2 “ACC”

Some electrical components such as the power outlet can be used.

3 “ON”

All electrical components can be used.

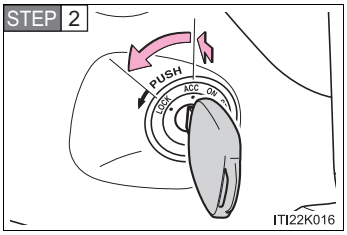
4 “START”

For starting the engine.

■ **Turning the key from “ACC” to “LOCK”**

STEP 1 Shift the shift lever to P (automatic transmission) or N (manual transmission). (→P. 178, 185)

STEP 2

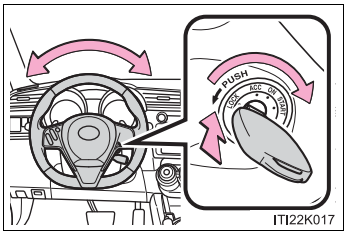


Push in the key and turn it to the “LOCK” position.

■ **If the engine does not start**

The engine immobilizer system may not have been deactivated. (→P. 102)

■ **When the steering lock cannot be released**



When starting the engine, the engine switch may seem stuck in the “LOCK” position. To free it, turn the key while turning the steering wheel slightly left and right.

■ **Key reminder buzzer**

A buzzer sounds if the driver’s door is opened while the engine switch is in the “LOCK” or “ACC” position to remind you to remove the key.

CAUTION

When starting the engine

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

Caution when driving

Do not turn the engine switch to the "LOCK" position while driving. If, in an emergency, you must turn the engine off while the vehicle is moving, turn the engine switch only to the "ACC" position to stop the engine. An accident may result if the engine is stopped while driving.

NOTICE

To prevent battery discharge

Do not leave the engine switch in the "ACC" or "ON" position for long periods of time without the engine running.

When starting the engine

- Do not crank the engine for more than 30 seconds at a time. This may overheat the starter and wiring system.
- Do not race a cold engine.
- If the engine becomes difficult to start or stalls frequently, have the engine checked immediately.

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

■ Starting the engine

Automatic transmission

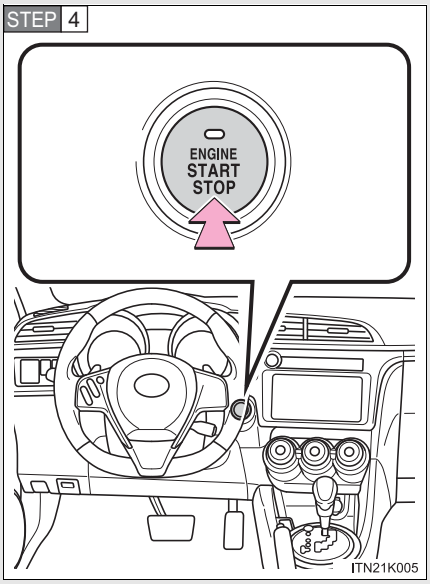
STEP 1 Check that the parking brake is set.

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

STEP 3 Firmly depress the brake pedal.

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

STEP 4



Press the "ENGINE START STOP" switch.

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

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

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

Manual transmission

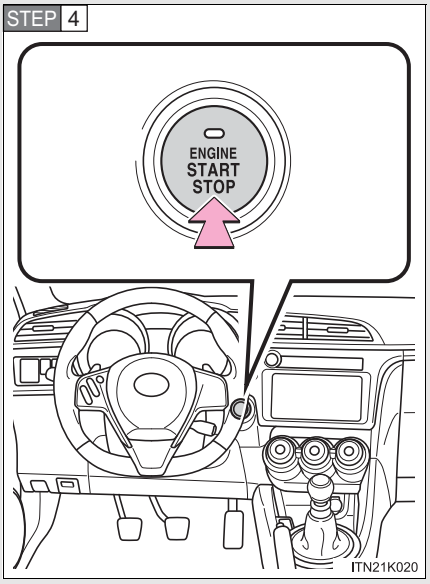
STEP 1 Check that the parking brake is set.

STEP 2 Check that the shift lever is set in N.

STEP 3 Firmly depress the clutch pedal.

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

STEP 4



Press the “ENGINE START STOP” switch.

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

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

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

■ Stopping the engine

Automatic transmission

STEP 1 Stop the vehicle.

STEP 2 Shift the shift lever to P.

STEP 3 Set the parking brake. (→P. 188)

STEP 4 Press the “ENGINE START STOP” switch.

STEP 5 Release the brake pedal and check that the indicator on the “ENGINE START STOP” switch is off.

Manual transmission

STEP 1 Stop the vehicle.

STEP 2 Shift the shift lever to N.

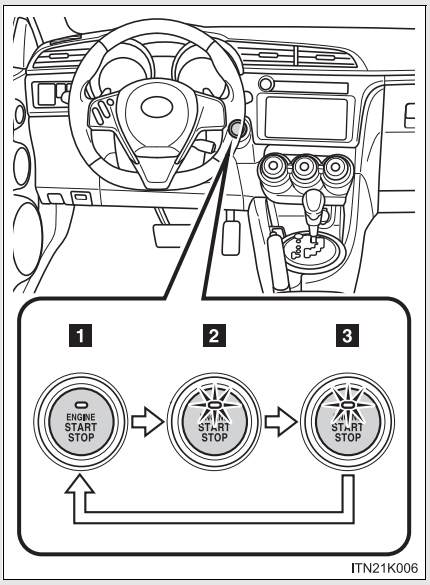
STEP 3 Set the parking brake. (→P. 188)

STEP 4 Press the “ENGINE START STOP” switch.

STEP 5 Release the brake pedal and check that the indicator on the “ENGINE START STOP” switch is off.

■ Changing “ENGINE START STOP” switch modes

Modes can be changed by pressing the “ENGINE START STOP” switch with brake pedal (vehicles with an automatic transmission) or clutch pedal (vehicles with a manual transmission) released. (The mode changes each time the switch is pressed.)



1 Off*

The emergency flashers can be used.

2 ACCESSORY mode

Some electrical components such as the power outlet 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 (vehicles with an automatic transmission only).

When stopping the engine with the shift lever in a position other than P (vehicles with an automatic transmission)

If the engine is stopped with the shift lever in a position other than P, the “ENGINE START STOP” switch will not be turned off but instead be turned to ACCESSORY mode. Perform the following procedure to turn the switch off:

STEP 1 Check that the parking brake is set.

STEP 2 Shift the shift lever to P.

STEP 3 Check that the indicator on the “ENGINE START STOP” switch is illuminated in amber and then press the “ENGINE START STOP” switch once.

STEP 4 Check that the indicator on the “ENGINE START STOP” switch is off.

■ **Auto power off function**

Vehicles with an automatic transmission
If the vehicle is left in ACCESSORY mode for more than 20 minutes or IGNITION ON mode (the engine is not running) for more than an hour with the shift lever in P, the “ENGINE START STOP” switch will automatically turn off. However, this function cannot entirely prevent battery discharge. Do not leave the vehicle with the “ENGINE START STOP” switch in ACCESSORY or IGNITION ON mode for long periods of time when the engine is not running.

Vehicles with a manual transmission
If the vehicle is left in ACCESSORY mode for more than 20 minutes or IGNITION ON mode (the engine is not running) for more than an hour, the “ENGINE START STOP” switch will automatically turn off. However, this function cannot entirely prevent battery discharge. Do not leave the vehicle with the “ENGINE START STOP” switch in ACCESSORY or IGNITION ON mode for long periods of time when the engine is not running.

■ **Operation of the “ENGINE START STOP” switch**

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

■ **Electronic key battery depletion**

→P. 45

■ **Conditions affecting operation**

→P. 41

■ **Note for the entry function**

→P. 42

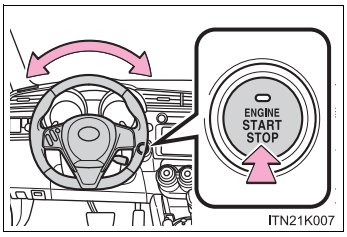
■ **If the engine does not start**

The engine immobilizer system may not have been deactivated. (→P. 102) Contact your Scion dealer.

■ **Steering lock**

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

■ **When the steering lock cannot be released**



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

■ **Steering lock motor overheating prevention**

To prevent the steering lock motor from overheating, the motor may be suspended if the engine is turned on and off repeatedly in a short period of time. In this case, refrain from operating the engine. After about 10 seconds, the steering lock motor will resume functioning.

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

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

■ **If the electronic key battery is depleted**

→P. 332

CAUTION

■ **When starting the engine**

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

■ **Caution while driving**

If the vehicle begins to slide due to engine failure or other circumstances, do not lock or open the doors until the vehicle reaches a safe and complete stop. Activation of the steering lock in this circumstance may lead to an accident, resulting in death or serious injury.

■ **Stopping the engine in an emergency**

If you want to stop the engine in an emergency while driving the vehicle, press and hold the "ENGINE START STOP" switch for more than 2 seconds, or press it briefly 3 times or more in succession.
However, do not touch the "ENGINE START STOP" switch while driving except in an emergency. Turning the engine off while driving will not cause loss of steering or braking control, but the power assist to these systems will be lost. This will make it more difficult to steer and brake, so you should pull over and stop the vehicle as soon as it is safe to do so.

NOTICE

■ **To prevent battery discharge**

- Do not leave the “ENGINE START STOP” switch in ACCESSORY or IGNITION ON mode for long periods of time without the engine running.
- If the indicator on the “ENGINE START STOP” switch is illuminated, the “ENGINE START STOP” switch is not off. When exiting the vehicle, always check that the “ENGINE START STOP” switch is off.
- On vehicles with an automatic transmission, do not stop the engine when the shift lever is in a position other than P. If the engine is stopped in another shift lever position, the “ENGINE START STOP” switch will not be turned off but instead be turned to ACCESSORY mode. If the vehicle is left in ACCESSORY mode, battery discharge may occur.

■ **When starting the engine**

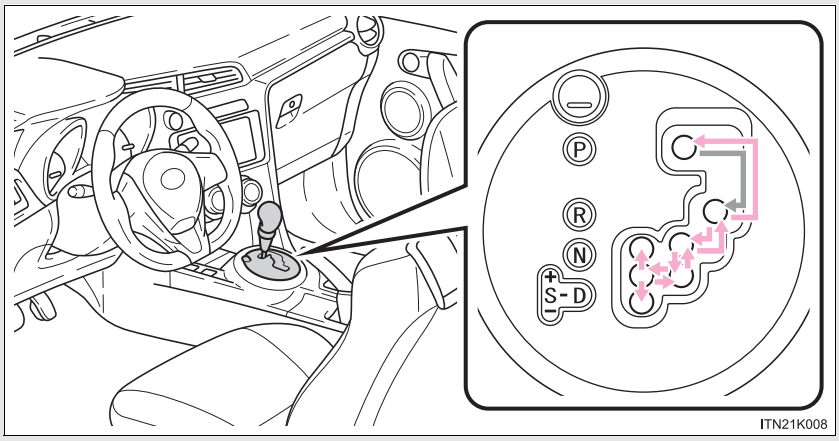
- Do not race a cold engine.
- If the engine becomes difficult to start or stalls frequently, have the engine checked immediately.

■ **Symptoms indicating a malfunction with the “ENGINE START STOP” switch**

If the “ENGINE START STOP” seems to be operating somewhat differently than usual, such as the switch sticking slightly, there may be a malfunction. Contact your Scion dealer immediately.

Select a shift position appropriate for the driving conditions.

■ Shifting the shift lever



Vehicles without a smart key system:
While the engine switch is in the “ON” position, depress the brake pedal and move the shift lever.

Vehicles with a smart key system:
While the “ENGINE START STOP” switch is in the IGNITION ON mode, depress the brake pedal and move the shift lever.

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

*: If equipped

■ Shift position uses

Shift position	Function
P	Parking the vehicle or starting the engine
R	Reversing
N	Neutral
D	Normal driving*1 or temporary shift range selection driving*2
S	S mode driving*3 (→P. 181)

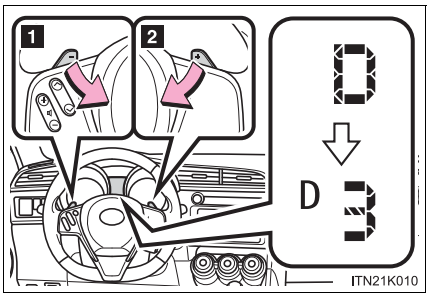
*1: Shifting to the D position allows the system to select a gear suitable for the driving conditions. Setting the shift lever to the D position is recommended for normal driving.

*2: If equipped, by selecting shift ranges using paddle shift switches, you can control engine braking force.

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

Selecting shift ranges in the D position (vehicles with paddle shift switches)

To drive using temporary shift range selection, operate the “-” paddle shift switch. The shift range can then be selected by operating the “-” and “+” paddle shift switches. Changing the shift range allows restriction of the highest gear, preventing unnecessary upshifting and enabling the level of engine braking force to be selected.



1 Downshifting

2 Upshifting

The selected shift range, from 1 to 5, or D will be displayed in the meter.

To return to normal D position driving, the “+” paddle shift switch must be held down for a period of time.

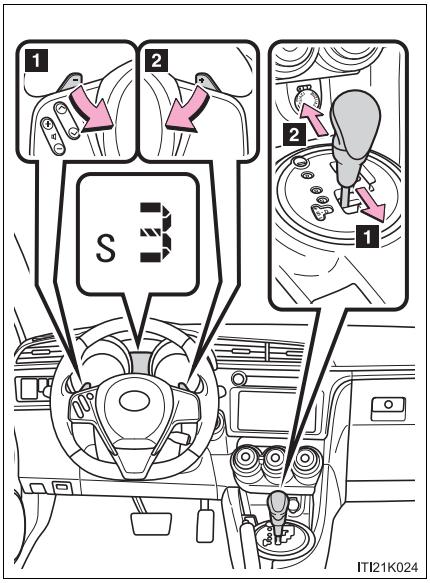
When a shift range higher than 5 is selected, the shift range will return to normal D position.

Shift ranges and their functions

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

Changing shift range in S mode

When the shift lever is in the S position, the shift lever or paddle shift switches (if equipped) can be operated as follows:



1 Downshifting

2 Upshifting

The selected shift range, from 1 to 6, will be displayed in the meter.

The initial shift range in S mode is set automatically to 5 or 4 according to vehicle speed. But, the initial shift range may be set to 3 if AI-SHIFT has operated while the shift lever was in the D position. (→P. 183)

Shift ranges and their functions

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

Paddle shift switch (if equipped)

- When the “-” paddle shift switch is operated in the D position, a shift range will be automatically selected. The highest gear of the first shift range will be one gear lower than the gear in use during normal D position driving.
- Automatic deactivation of shift range selection in the D position
  Shift range selection in the D position will be deactivated in the following situations:
  - The “+” paddle shift switch is held down for a period of time
  - When the vehicle comes to a stop
  - If the accelerator pedal is depressed for longer than a certain period of time in one shift range

S mode

- When the shift range is 4 or lower, holding the shift lever toward “+” sets the shift range to 6.
- To prevent excessive engine speed, a function was adopted that automatically selects a higher shift range before the engine speed becomes too high.
- To protect the automatic transmission, a function is adopted that automatically selects a higher shift range when the fluid temperature is high.

■ **When driving with cruise control activated**

Even when performing the following actions with the intent of enabling engine braking, engine braking will not activate because cruise control will not be canceled.

- While driving in S mode, downshifting to 5 or 4. (→P. 181)
- While driving in the D position, downshifting to 5 or 4. (Vehicles with paddle shift switches only: →P. 180)

■ **AI-SHIFT**

AI-SHIFT automatically selects the suitable gear according to driver performance and driving conditions.
AI-SHIFT automatically operates when the shift lever is in the D position. (Shifting the shift lever to the S position cancels the function.)

■ **If the "S" indicator does not come on even after shifting the shift lever to S position**

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

■ **Downshifting restrictions warning buzzer**

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 or a paddle shift switch (if equipped) is operated. (The warning buzzer will sound twice.)

■ **If the shift lever cannot be shifted from P**

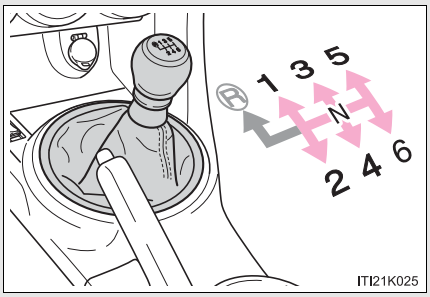
→P. 408

CAUTION

When driving on slippery road surfaces

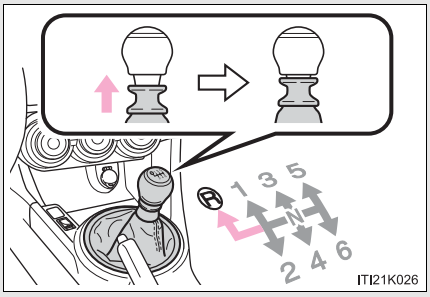
Do not accelerate or shift gears suddenly.
Sudden changes in engine braking may cause the vehicle to spin or skid, resulting in an accident.

■ **Shifting the shift lever**



Fully depress the clutch pedal before operating the shift lever, and then release it slowly.

■ **Shifting the shift lever to R**



Shift the shift lever to R while lifting up the ring section.

*: If equipped

Maximum downshifting speeds

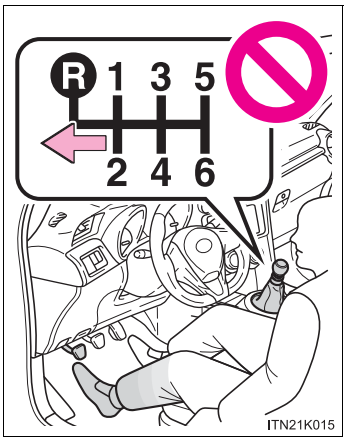
Observe the downshifting speeds in the following table to prevent over-revving the engine.

mph (km/h)

Shift position	Maximum speed
1	31 (50)
2	54 (87)
3	80 (129)
4	108 (173)
5	126 (203)

NOTICE

To prevent damage to the transmission

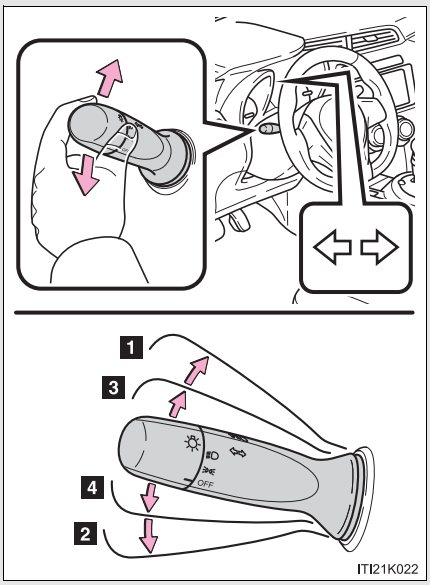


- Do not shift the shift lever to R without depressing the clutch pedal.

- Do not lift up the ring section except when shifting the lever to R.
- Shift the lever to R only when the vehicle is stationary.

Turn signal lever

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



1 Right turn

2 Left turn

3 Lane change to the right (push and hold the lever partway)

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

4 Lane change to the left (push and hold the lever partway)

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

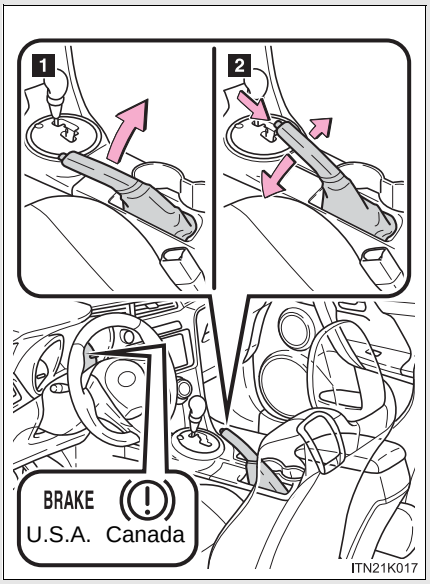
■ **Turn signals can be operated when**

Vehicles without a smart key system
The engine switch is in the “ON” position.

Vehicles with a smart key system
The “ENGINE START STOP” switch is in IGNITION ON mode.

■ **If the indicator flashes faster than usual**

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



1 To set the parking brake, fully pull the parking brake lever while depressing the brake pedal.

2 To release the parking brake, slightly raise the lever and lower it completely while pressing the button.

■ **Usage in winter time**

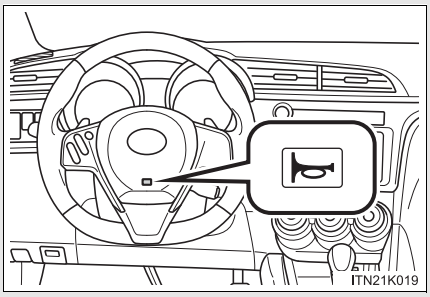
→P. 226

⚠ 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.

Horn

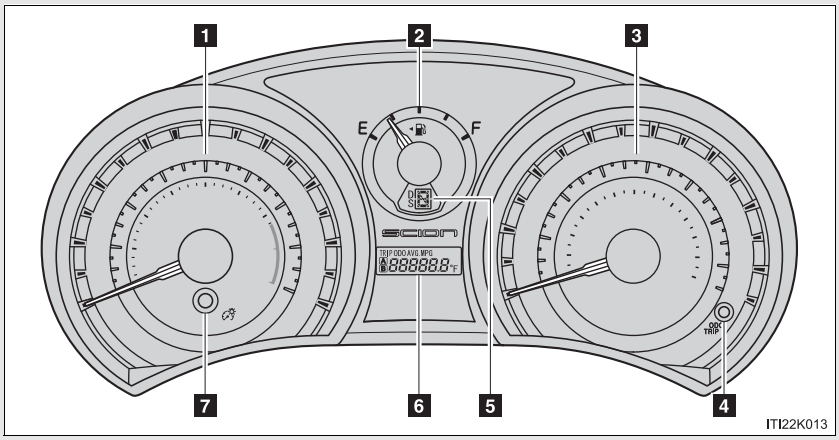


To sound the horn, press on or close to the mark.

■ **After adjusting the steering wheel**

Make sure that the steering wheel is securely locked.
The horn may not sound if the steering wheel is not securely locked.
(→P. 84)

Gauges and meters



1 Tachometer

Displays the engine speed in revolutions per minute.

2 Fuel gauge

Displays the quantity of fuel remaining in the tank.

3 Speedometer

Displays the vehicle speed.

4 Odometer/trip meter display change button

→P. 191

5 Shift position and shift range (vehicles with an automatic transmission)

Displays the selected shift position or selected shift range

→P. 178

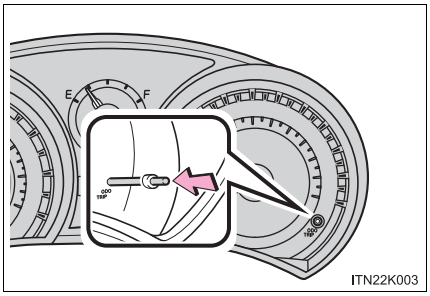
6 Odometer/trip meter display

Displays odometer, trip meter, average fuel consumption, outside temperature display and Eco Driving Indicator Light setting screen.
→P. 191

7 Instrument panel light control knob

→P. 192

Switching the display



Items displayed can be switched by pressing the odometer/trip meter display change button.

Display items

Odometer

Displays the total distance the vehicle has been driven.

Trip meters A and B

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.

Press and hold the button to reset.

Average fuel consumption

Displays the average fuel consumption since the function was last reset.

- The function can be reset by pressing the odometer/trip meter display change button for longer than 1 second when the average fuel consumption is displayed.
- Use the displayed average fuel consumption as a reference.

Outside temperature display

Displays the outside temperature.

The temperature range that can be displayed is from -40 °F (-40 °C) to 122 °F (50 °C).

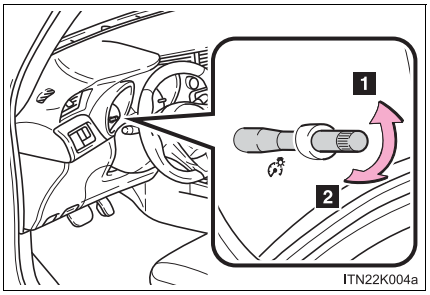
Eco Driving Indicator Light setting screen (vehicles with an automatic transmission)

Eco Driving Indicator Light can be set to on or off.

The function can be activated or deactivated by pressing the odometer/trip meter display change button for longer than 1 second when Eco Driving Indicator Light setting screen is displayed.

Instrument panel light control

The brightness of the instrument panel lights can be adjusted by turning the knob.



1 Darker
2 Brighter

■ **The brightness of the instrument panel lights**

When the headlight switch is turned to on, the brightness will be reduced slightly unless the control knob is turned fully clockwise.

■ **Outside temperature display**

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

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

● When "--" is displayed, the system may be malfunctioning.
Take your vehicle to your Scion dealer.

⚠ NOTICE

■ **To prevent damage to the engine and its components**

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

■ **The odometer/trip meter display at low temperatures**

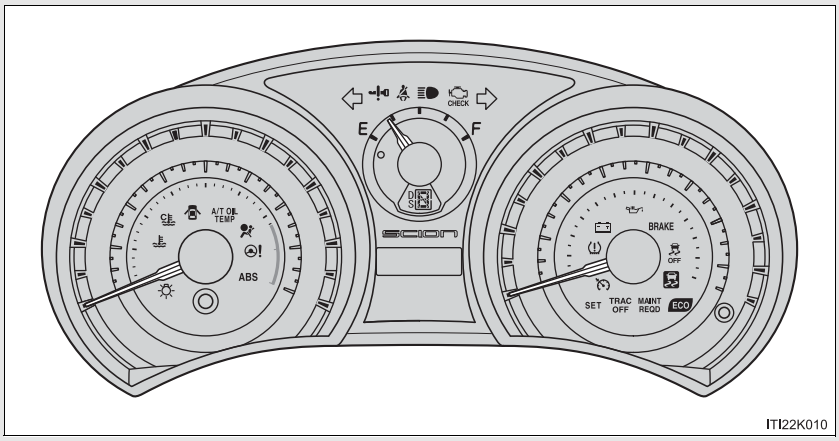
Allow the interior of the vehicle to warm up before using the liquid crystal information display. At extremely low temperatures, the information display monitor may respond slowly, and display changes may be delayed.

Indicators and warning lights

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

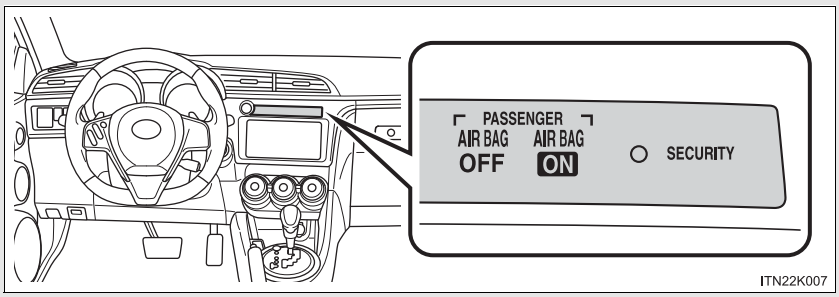
For the purpose of explanation, the following illustration displays all indicators and warning lights illuminated.

Instrument cluster



ITI22K010

Center panel



ITN22K007

Indicators

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

Turn signal indicator (→P. 187)

Headlight high beam indicator (→P. 201)

*1, 2 Slip indicator (→P. 215)

*1 VSC OFF indicator (→P. 216)

Shift position indicators (→P. 178)
(vehicles with an automatic transmission)

*1 Eco Driving Indicator Light (→P. 154)
(vehicles with an automatic transmission)

Engine immobilizer system indicator (→P. 102)

Headlight indicator (→P. 199)
(U.S.A)

Tail light indicator (→P. 199)
(Canada)

Low engine coolant temperature indicator

Cruise control indicator (→P. 211)

Cruise control "SET" indicator (→P. 211)

*1 "TRAC OFF" indicator (→P. 216)

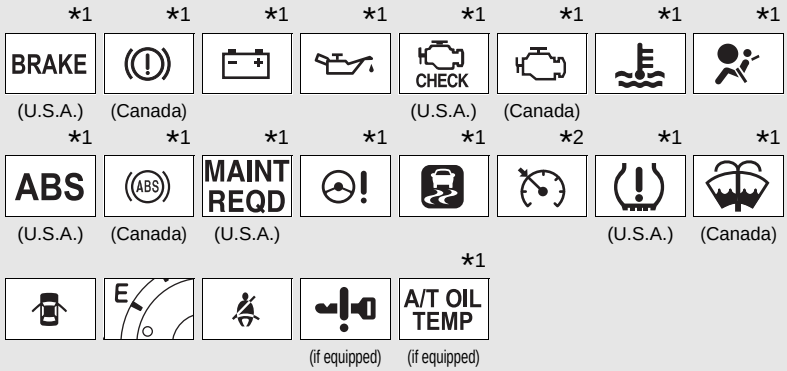
*1 "AIR BAG ON" and "AIR BAG OFF" indicator (→P. 123)

*1: These lights turn on when the engine switch is turned to the “ON” position (vehicles without a smart key system) or the “ENGINE START STOP” switch is turned to IGNITION ON mode (vehicles with a smart key system) to indicate that a system check is being performed. They will turn off after the engine is started, or after a few seconds. There may be a malfunction in a system if a light does not come on, or if the lights do not turn off. Have the vehicle inspected by your Scion dealer.

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

Warning lights

Warning lights inform the driver of malfunctions in any of the vehicle's systems. (→P. 373)



*1: These lights turn on when the engine switch is turned to the "ON" position (vehicles without a smart key system) or the "ENGINE START STOP" switch is turned to IGNITION ON mode (vehicles with a smart key system) to indicate that a system check is being performed. They will turn off after the engine is started, or after a few seconds. There may be a malfunction in a system if a light does not come on, or if the lights do not turn off. Have the vehicle inspected by your Scion dealer.

*2: The light flashes to indicate a malfunction.

CAUTION

If a safety system warning light does not come on

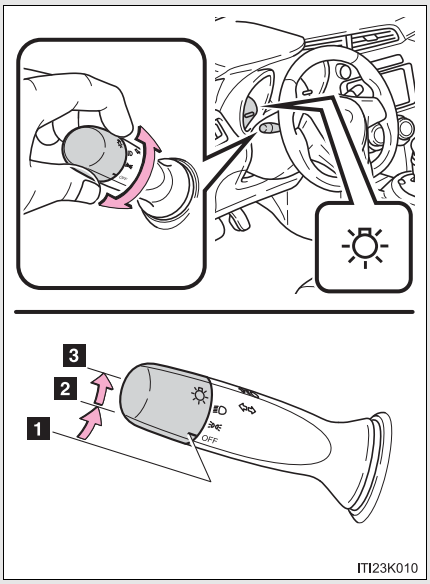
Should a safety system light such as the ABS or SRS warning light not come on when you start the engine, this could mean that these systems are not available to help protect you in an accident, which could result in death or serious injury. Have the vehicle inspected by your Scion dealer immediately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

Headlight switch

The headlights can be operated manually.

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

U.S.A.

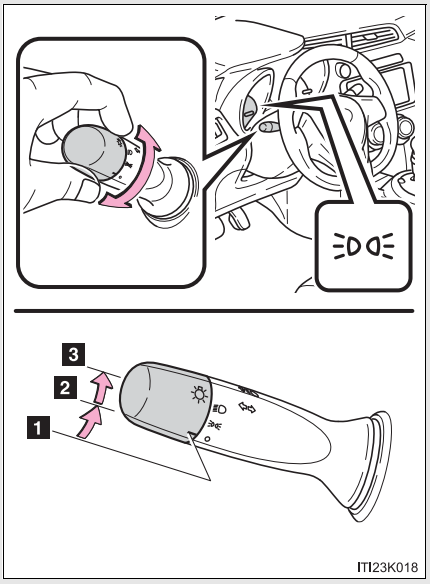


1 OFF OFF

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

3 The headlights and all lights listed above turn on.

Canada

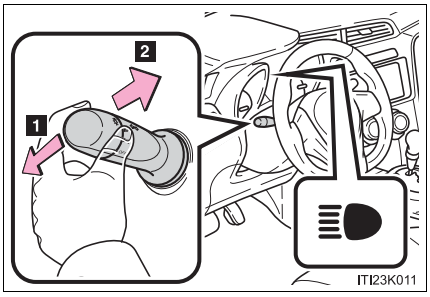


1 The daytime running light turns on.

2 The accessory, side marker, parking, tail, license plate, daytime running lights and instrument panel lights turn on.

3 The headlights and all lights listed above (except daytime running lights) turn on.

Turning on the high beam headlights



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

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

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

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

Daytime running light system (Canada only)

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

Automatic light off system

Vehicles without a smart key system

- When the headlights come on: The headlights and tail lights turn off 30 seconds after a door is opened and closed if the engine switch is turned to the “ACC” or “LOCK” position. (The lights turn off immediately if on the key is pressed after all the doors are locked.)
- When only the tail lights come on: The tail lights turn off automatically if the engine switch is turned to the “ACC” or “LOCK” position and the driver’s door is opened.

To turn the lights on again, turn the engine switch to the “ON” position, or turn the lights off and then back to or .
If any of the doors is kept open, the lights automatically turn off after 20 minutes.

Vehicles with a smart key system

- When the headlights come on: The headlights and tail lights turn off 30 seconds after a door is opened and closed if the “ENGINE START STOP” switch is turned to ACCESSORY mode or turned off. (The lights turn off immediately if on the key is pressed after all the doors are locked.)
- When only the tail lights come on: The tail lights turn off automatically if the “ENGINE START STOP” switch is turned to ACCESSORY mode or turned off and the 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 and then back to or .
If any of the doors is kept open, the lights automatically turn off after 20 minutes.

Light reminder buzzer

Vehicles without a smart key system
A buzzer sounds when the engine switch is turned to “LOCK” or “ACC” position and the driver’s door is opened while the lights are turned on.

Vehicles with a smart key system
A buzzer sounds when the “ENGINE START STOP” switch is turned off or turned to ACCESSORY mode and the driver’s door is opened while the lights are turned on.

Customization

Settings (Time elapsed before the headlights automatically turn off after the doors are closed) can be changed. (Customizable features: →P. 455)

NOTICE

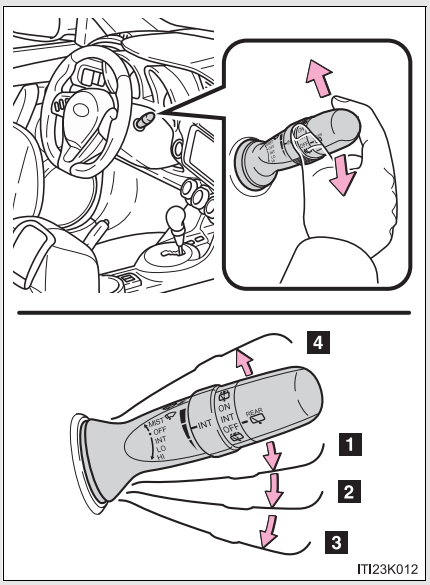
To prevent battery discharge

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

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

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

Type A

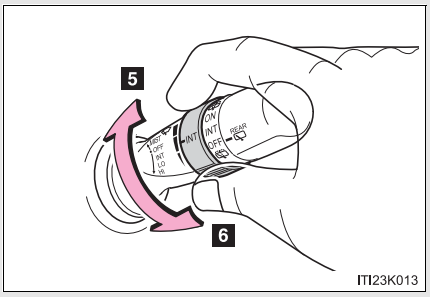


1 INT Intermittent windshield wiper operation

2 LO Low speed windshield wiper operation

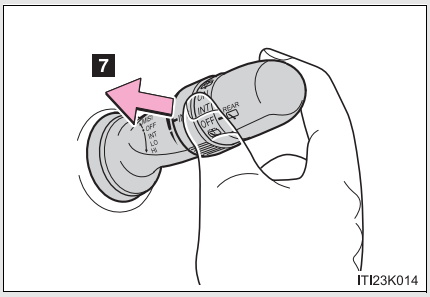
3 HI High speed windshield wiper operation

4 MIST Temporary operation



5 Increases the intermittent windshield wiper frequency

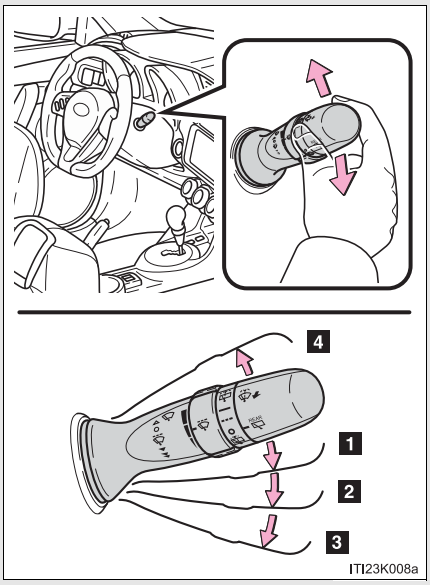
6 Decreases the intermittent windshield wiper frequency



7 Washer/wiper dual operation

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

Type B

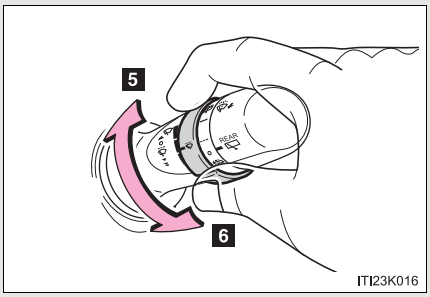


1 Intermittent windshield wiper operation

2 Low speed windshield wiper operation

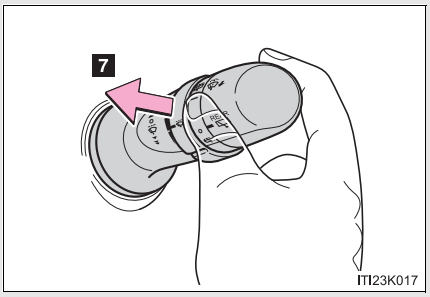
3 High speed windshield wiper operation

4 Temporary operation



5 Increases the intermittent windshield wiper frequency

6 Decreases the intermittent windshield wiper frequency



7 Washer/wiper dual operation

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

■ **The windshield wipers and washer can be operated when**

Vehicles without a smart key system
The engine switch is in the “ON” position.

Vehicles with a smart key system
The “ENGINE START STOP” switch is in IGNITION ON mode.

■ **If no windshield washer fluid sprays**

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

CAUTION

■ **Caution regarding the use of washer fluid**

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

NOTICE

■ **When the windshield is dry**

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

■ **When the washer fluid tank is empty**

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

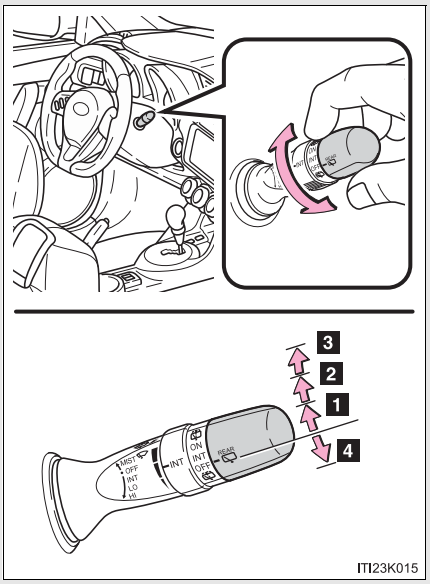
■ **When a nozzle becomes blocked**

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

Rear window wiper and washer*

The wiper operation is selected by turning the end of the lever as follows:

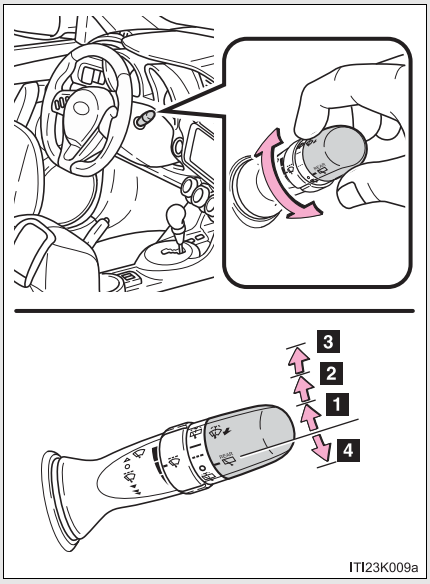
Type A



1	INT	Intermittent window wiper operation
2	ON	Normal window wiper operation
3		Washer/wiper dual operation
4		Washer/wiper dual operation

*: If equipped

Type B



1 - - - Intermittent window wiper operation

2 — Normal window wiper operation

3 Washer/wiper dual operation

4 Washer/wiper dual operation

■ **The rear window wiper and washer can be operated when**

Vehicles without a smart key system
The engine switch is in the “ON” position

Vehicles with a smart key system
The “ENGINE START STOP” switch is in IGNITION ON mode.

■ **If no washer fluid sprays**

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

NOTICE

■ **When the rear window is dry**

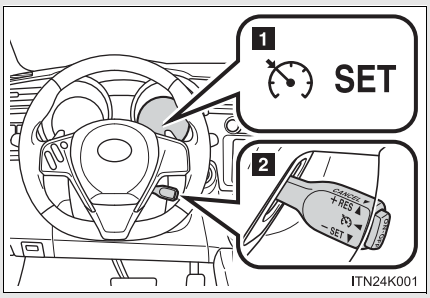
Do not use the wiper, as it may damage the rear window.

■ **When the washer fluid tank is empty**

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

Cruise control

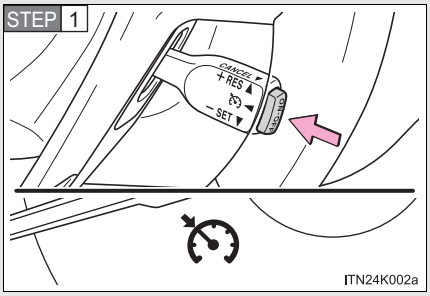
Use the cruise control to maintain a set speed without depressing the accelerator pedal.



1 Indicators

2 Cruise control switch

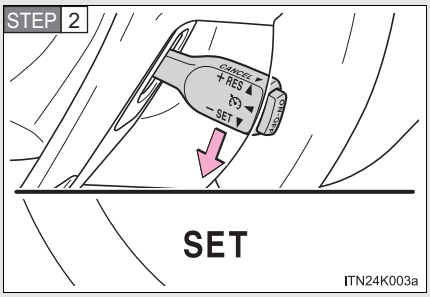
Setting the vehicle speed



Press the “ON-OFF” button to activate the cruise control.

Cruise control indicator will come on.

Press the button again to deactivate the cruise control.



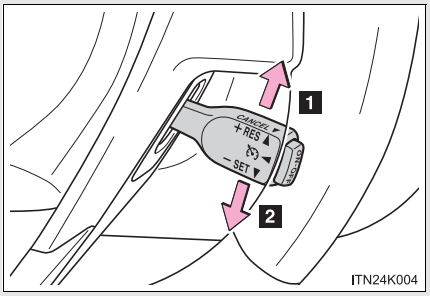
Accelerate or decelerate the vehicle to the desired speed, and push the lever down to set the speed.

“SET” indicator will come on.

The vehicle speed at the moment the lever is released becomes the set speed.

Adjusting the set speed

To change the set speed, operate the lever until the desired set speed is obtained.



1 Increases the speed

2 Decreases the speed

Fine adjustment: Momentarily move the lever in the desired direction.

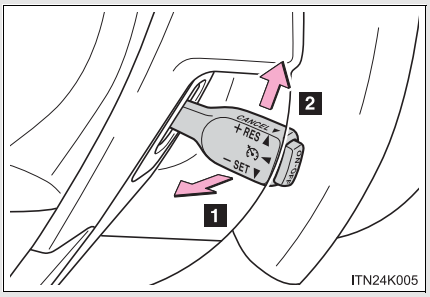
Large adjustment: Hold the lever in the desired direction.

The set speed will be increased or decreased as follows:

Fine adjustment: By approximately 1 mph (1.6 km/h) each time the lever is operated.

Large adjustment: The set speed can be increased or decreased continually until the lever is released.

Canceling and resuming the constant speed control



1 Pulling the lever toward you cancels the constant speed control.

The speed setting is also canceled when the brakes are applied or the clutch pedal (manual transmission only) is depressed.

2 Pushing the lever up resumes the constant speed control.

Resuming is available when the vehicle speed is more than approximately 25 mph (40 km/h).

■ **Cruise control can be set when**

- The shift lever is in the D or range 4 or higher of S has been selected. (vehicles with an automatic transmission)
- Range 4 or higher has been selected by using the paddle shift switch. (vehicles with a paddle shift switch)
- Vehicle speed is above approximately 25 mph (40 km/h).

■ **Accelerating after setting the vehicle speed**

- The vehicle can be accelerated normally. After acceleration, the set speed resumes.
- Even without canceling the cruise control, the set speed can be increased by first accelerating the vehicle to the desired speed and then pushing the lever down to set the new speed.

■ **Automatic cruise control cancelation**

Cruise control will stop maintaining the vehicle speed in any of the following situations.

- Actual vehicle speed falls more than approximately 10 mph (16 km/h) below the preset vehicle speed.
  At this time, the memorized set speed is not retained.
- Actual vehicle speed is below approximately 25 mph (40 km/h).
- VSC is activated.

■ **If the cruise control indicator light flashes**

Press the “ON-OFF” button once to deactivate the system, and then press the button again to reactivate the system.
If the cruise control speed cannot be set or if the cruise control cancels immediately after being activated, there may be a malfunction in the cruise control system. Have the vehicle inspected by your Scion dealer.

CAUTION

To avoid operating the cruise control by mistake

Switch the cruise control off using the “ON-OFF” button when not in use.

Situations unsuitable for cruise control

Do not use cruise control in any of the following situations.
Doing so may result in loss of control and could cause an accident resulting in death or serious injury.

- In heavy traffic
- On roads with sharp bends
- On winding roads
- On slippery roads, such as those covered with rain, ice or snow
- On steep hills
  Vehicle speed may exceed the set speed when driving down a steep hill.
- During emergency towing

Driving assist systems

To help enhance driving safety and performance, the following systems operate automatically in response to various driving situations. Be aware, however, that these systems are supplementary and should not be relied upon too heavily when operating the vehicle.

■ ABS (Anti-lock Brake System)

Helps to prevent wheel lock when the brakes are applied suddenly, or if the brakes are applied while driving on a slippery road surface

■ Brake assist

Generates an increased level of braking force after the brake pedal is depressed when the system detects a panic stop situation

■ VSC (Vehicle Stability Control)

Helps the driver to control skidding when swerving suddenly or turning on slippery road surfaces

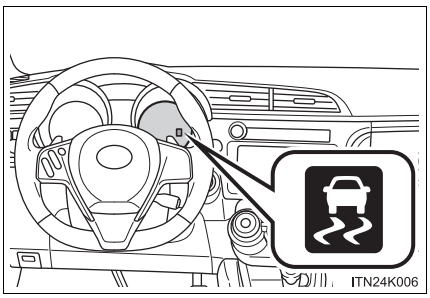
■ TRAC (Traction Control)

Helps to maintain drive power and prevent the drive wheels from spinning when starting the vehicle or accelerating on slippery roads

■ EPS (Electric Power Steering)

Employs an electric motor to reduce the amount of effort needed to turn the steering wheel

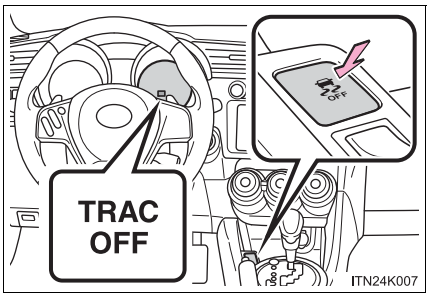
When the TRAC/VSC systems are operating



The slip indicator light will flash while the TRAC/VSC systems are operating.

Disabling the TRAC system

If the vehicle gets stuck in mud, dirt or snow, the TRAC system may reduce power from the engine to the wheels. Pressing to turn the system off may make it easier for you to rock the vehicle in order to free it.



To turn the TRAC system off, quickly press and release .

The “TRAC OFF” indicator light will come on.

Press again to turn the system back on.

■ **Turning off both TRAC and VSC systems**

To turn the TRAC and VSC systems off, press and hold for more than 3 seconds while the vehicle is stopped.

The “TRAC OFF” indicator light and VSC OFF indicator light will come on.

Press again to turn the systems back on.

■ **When the “TRAC OFF” indicator light comes on even if the VSC OFF switch has not been pressed**

TRAC cannot be operated. Contact your Scion dealer.

Sounds and vibrations caused by the ABS, brake assist, TRAC and VSC systems

- A sound may be heard from the engine compartment when the brake pedal is depressed repeatedly, when the engine is started or just after the vehicle begins to move. This sound does not indicate that a malfunction has occurred in any of these systems.
- Any of the following conditions may occur when the above systems are operating. None of these indicates that a malfunction has occurred.
  - Vibrations may be felt through the vehicle body and steering.
  - A motor sound may be heard after the vehicle comes to a stop.
  - The brake pedal may pulsate slightly after the ABS is activated.
  - The brake pedal may move down slightly after the ABS is activated.

EPS operation sound

When the steering wheel is operated, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

Automatic reactivation of TRAC and VSC systems

After turning the TRAC and VSC systems off, the systems will be automatically re-enabled in the following situations:

- When the engine switch is turned to the “LOCK” position (vehicles without a smart key system) or the “ENGINE START STOP” switch is turned off (vehicles with a smart key system)
- If only the TRAC system is turned off, the TRAC will turn on when vehicle speed increases
  If both the TRAC and VSC systems are turned off, automatic re-enabling will not occur when vehicle speed increases.

Reduced effectiveness of the EPS system

The effectiveness of the EPS system is reduced to prevent the system from overheating when there is frequent steering input over an extended period of time. The steering wheel may feel heavy as a result. Should this occur, refrain from excessive steering input or stop the vehicle and turn the engine off. The EPS system should return to normal within 10 minutes.

CAUTION

The ABS does not operate effectively when

- The limits of tire gripping performance have been exceeded (such as excessively worn tires on a snow covered road).
- The vehicle hydroplanes while driving at high speed on wet or slick roads.

Stopping distance when the ABS is operating may exceed that of normal conditions

The ABS is not designed to shorten the vehicle's stopping distance. Always maintain a safe distance from the vehicle in front of you, especially in the following situations:

- When driving on dirt, gravel or snow-covered roads
- When driving with tire chains
- When driving over bumps in the road
- When driving over roads with potholes or uneven surfaces

TRAC may not operate effectively when

Directional control and power may not be achievable while driving on slippery road surfaces, even if the TRAC system is operating.
Drive the vehicle carefully in conditions where stability and power may be lost.

When the VSC is activated

The slip indicator light flashes. Always drive carefully. Reckless driving may cause an accident. Exercise particular care when the indicator light flashes.

When the TRAC/VSC systems are turned off

Be especially careful and drive at a speed appropriate to the road conditions. As these are systems to ensure vehicle stability and driving force, do not turn the TRAC/VSC systems off unless necessary.

CAUTION

Replacing tires

Make sure that all tires are of the specified size, brand, tread pattern and total load capacity. In addition, make sure that the tires are inflated to the recommended tire inflation pressure level.

The ABS, TRAC and VSC systems will not function correctly if different tires are installed on the vehicle.

Contact your Scion dealer for further information when replacing tires or wheels.

Handling of tires and the suspension

Using tires with any kind of problem or modifying the suspension will affect the driving assist systems, and may cause a system to malfunction.

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

- Stow cargo and luggage in the luggage compartment whenever possible.
- Be sure all items are secured in place.
- To maintain vehicle balance while driving, position luggage evenly within the luggage compartment.
- For better fuel economy, do not carry unnecessary weight.

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.

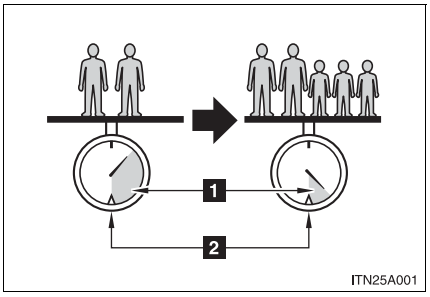
For example, if the “XXX” amount equals 1400 lbs. and there will be five 150 lb passengers in your vehicle, the amount of available cargo and luggage load capacity is 650 lbs. (1400 - 750 (5 × 150) = 650 lbs.)

(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. 225)

Scion does not recommend towing a trailer with your vehicle. Your vehicle is not designed for trailer towing.

Calculation formula for your vehicle



1 Cargo capacity

2 Total load capacity (vehicle capacity weight) (→P. 426)

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

B*2 lb. (kg) - A*1 lb. (kg) = C*3 lb. (kg)

*1: A = Weight of people

*2: B = Total load capacity

*3: C = Available cargo and luggage load

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

C lb. (kg) - D*4 lb. (kg) = E*5 lb. (kg)

*4: D = Additional weight of people

*5: E = Available cargo and luggage load

As shown in the example above, if the number of occupants increases, the cargo and luggage load will be reduced by an amount that equals the increased weight due to the additional occupants. 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:

- Receptacles containing gasoline
- Aerosol cans

■ **Storage precautions**

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

- Stow cargo and luggage in the luggage compartment whenever possible.
- 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 in the event of sudden braking, sudden swerving or an accident.
- Do not place cargo or luggage in or on the following locations as the item may get under the clutch, 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:
  - At the feet of the driver
  - On the front passenger or rear seats (when stacking items)
  - On the luggage cover (if equipped)
  - On the instrument panel
  - On the dashboard

CAUTION

- Secure all items in the occupant compartment, as they may shift and injure someone during sudden braking, sudden swerving or an accident.
- When you fold down the rear seats, long items should not be placed directly behind the front seats.
- 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 bodily injury, in the event of sudden braking, sudden swerving or an accident.

Capacity and distribution

- Do not exceed the maximum axle weight rating or the total vehicle weight rating.
- 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.

Vehicle load limits

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

■ **Total load capacity (Vehicle capacity weight): →P. 426**

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

■ **Seating capacity: 5 occupants (Front 2, Rear 3)**

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

■ **Towing capacity**

Scion does not recommend towing a trailer with your vehicle.

■ **Cargo capacity**

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

■ **Total load capacity and seating capacity**

These details are also described on the tire and loading information label. (→P. 325)

CAUTION

■ **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.

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.

Pre-winter preparations

- Use fluids that are appropriate to the prevailing outside temperatures.
  - Engine oil
  - Engine coolant
  - Washer fluid
- Have a service technician inspect the condition of the battery.
- Have the vehicle fitted with four snow tires or purchase a set of tire chains for the front tires.

  Ensure that all tires are the same size and brand, and that chains match the size of the tires.

■ **Before driving the vehicle**

Perform the following according to the driving conditions:

- Do not try to forcibly open a window or move a wiper that is frozen. Pour warm water over the frozen area to melt the ice. Wipe away the water immediately to prevent it from freezing.
- To ensure proper operation of the climate control system fan, remove any snow that has accumulated on the air inlet vents in front of the windshield.
- Check for and remove any excess ice or snow that may have accumulated on the exterior lights, vehicle's roof, chassis, around the tires or on the brakes.
- Remove any snow or mud from the bottom of your shoes before getting in the vehicle.

■ **When driving the vehicle**

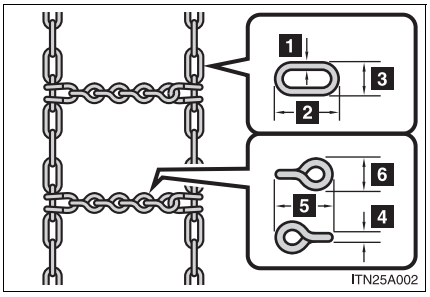
Accelerate the vehicle slowly, keep a safe distance between you and the vehicle ahead, and drive at a reduced speed suitable to road conditions.

■ **When parking the vehicle (in the winter time or in the cold latitudes)**

Park the vehicle and move the shift lever to P (automatic transmission) or 1 or R (manual transmission) without setting the parking brake. The parking brake may freeze up, preventing it from being released. If necessary, block the wheels to prevent inadvertent sliding or creeping.

Selecting tire chains

Use the correct tire chain size when mounting the tire chains. Chain size is regulated for each tire size.



Side chain:

1 0.12 in. (3.0 mm) in diameter

2 1.18 in. (30.0 mm) in length

3 0.39 in. (10.0 mm) in width

Cross chain:

4 0.16 in. (4.0 mm) in diameter

5 0.98 in. (25.0 mm) in length

6 0.55 in. (14.0 mm) in width

Regulations on the use of tire chains

Regulations regarding the use of tire chains vary depending on location and type of road. Always check local regulations before installing chains.

Tire chain installation

Observe the following precautions when installing and removing chains:

- Install and remove tire chains in a safe location.
- Install tire chains on the front tires only. Do not install tire chains on the rear tires.
- Install tire chains on front tires as tightly as possible. Retighten chains after driving 1/4 - 1/2 mile (0.5 - 1.0 km).
- Install tire chains following the instructions provided with the tire chains.

CAUTION

Driving with snow tires

Observe the following precautions to reduce the risk of accidents.
Failure to do so may result in a loss of vehicle control and cause death or serious injury.

- Use tires of the specified size.
- Maintain the recommended level of air pressure.
- Do not drive in excess of 75 mph (120 km/h), regardless of the type of snow tires being used.
- Use snow tires on all, not just some wheels.

Driving with tire chains

Observe the following precautions to reduce the risk of accidents.
Failure to do so may result in the vehicle being unable to be driven safely, and may cause death or serious injury.

- 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.
- Avoid driving on bumpy road surfaces or over potholes.
- Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking.
- Slow down sufficiently before entering a curve to ensure that vehicle control is maintained.

NOTICE

■ **Repairing or replacing snow tires (vehicles with the tire pressure warning system)**

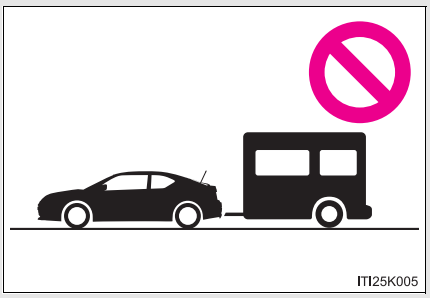
Request repairs or replacement of snow tires from Scion dealers or legitimate tire retailers.
This is because the removal and attachment of snow tires affects the operation of the tire pressure warning valves and transmitters.

■ **Fitting tire chains (vehicles with the tire pressure warning system)**

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

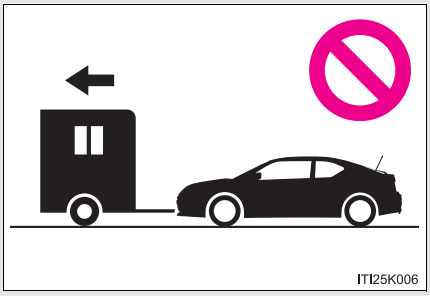
Trailer towing

Scion does not recommend towing a trailer with your vehicle. Scion also does not recommend the installation of a tow hitch or the use of a tow hitch carrier for a wheelchair, scooter, bicycle, etc. Your vehicle is not designed for trailer towing or for the use of tow hitch mounted carriers.



Dinghy towing (automatic transmission)

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



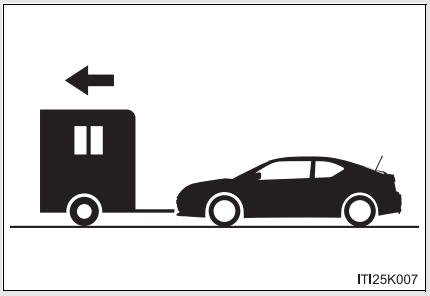
NOTICE

■ **To avoid serious damage to your vehicle**

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

Dinghy towing (manual transmission)

Your vehicle can be dinghy towed in a forward direction (with 4 wheels on the ground) behind a motor home.



Towing your vehicle with 4 wheels on the ground

To prevent damage to your vehicle, perform the following procedures before towing:

STEP 1 Shift the shift lever to N.

STEP 2 Vehicles without a smart key system:
Turn the engine switch to the “ACC” position. (→P. 165)
Vehicles with a smart key system:
Turn the “ENGINE START STOP” switch to ACCESSORY mode. (→P. 169)
Ensure that the audio system and other powered devices are turned off.

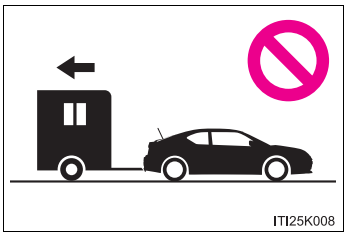
STEP 3 Release the parking brake.
After towing, leave the engine in idle for at least 3 minutes before driving the vehicle.

Necessary equipment and accessories

Specialized equipment and accessories are required for dinghy towing. Contact the service branch of the motor home manufacturer regarding recommended equipment.

NOTICE

■ **Dinghy towing direction**



Do not tow the vehicle backward.
Doing so may cause serious damage.

■ **To prevent the steering from locking**

Vehicles without a smart key system
Ensure the engine switch is in the “ACC” position.

Vehicles with a smart key system
Ensure the “ENGINE START STOP” switch is in ACCESSORY mode.

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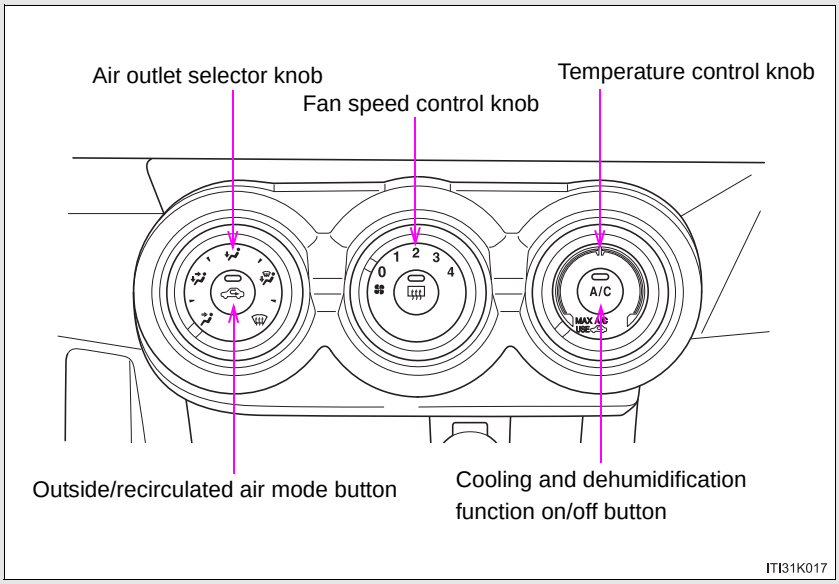
Air conditioning system



Adjusting the settings

Basic setting

STEP 1 To turn on the air conditioning system and adjust the fan speed, turn the fan speed control knob clockwise (increase) or counterclockwise (decrease).

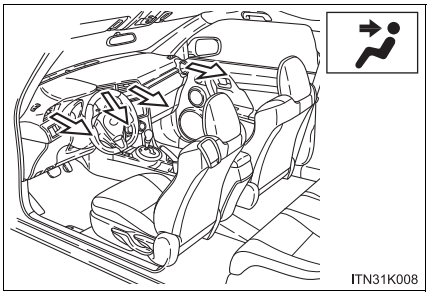
Turning the knob to “0” turns off the fan.

STEP 2 To adjust the temperature setting, turn the temperature control knob clockwise (warm) or counterclockwise (cool).

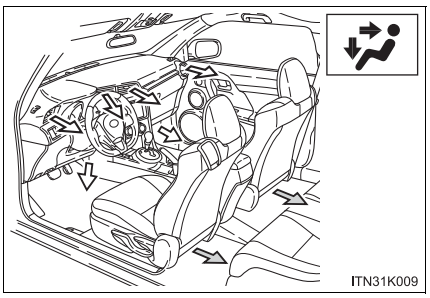
If A/C is not pressed, the system will blow ambient temperature air or heated air.

STEP 3 To select the air outlets, set the air outlet selector knob to the desired position.

The positions between the air outlet selections shown in the following illustrations can also be selected for more delicate adjustment.

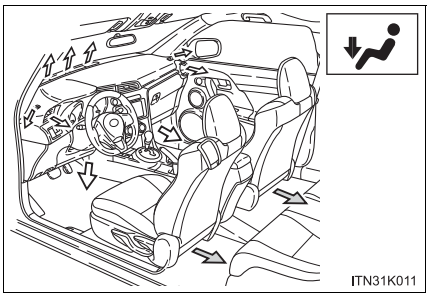


Air flows to the upper body.



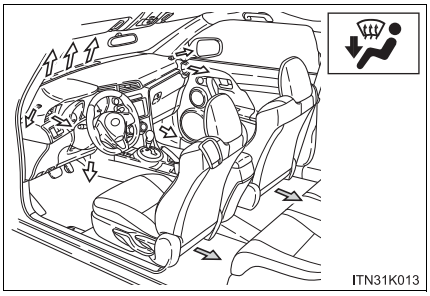
Air flows to the upper body and feet.

: Canada only



Air flows mainly to the feet.

: Canada only

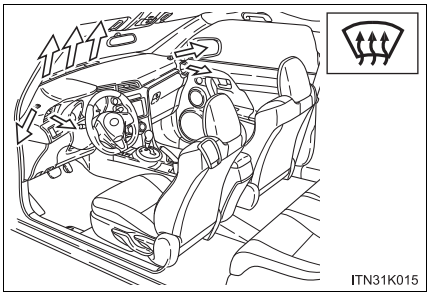


: Canada only

Air flows to the feet and the windshield defogger operates.

The air intake is automatically switched to outside air mode. It is not possible to return to recirculated air mode even by pressing .

Pressing A/C to turn the cooling and dehumidification function on clears the windshield and side windows faster.



Air flows to the windshield and side windows.

The air intake is automatically switched to outside air mode. It is not possible to return to recirculated air mode even by pressing .

Pressing A/C to turn the cooling and dehumidification function on clears the windshield and side windows faster.

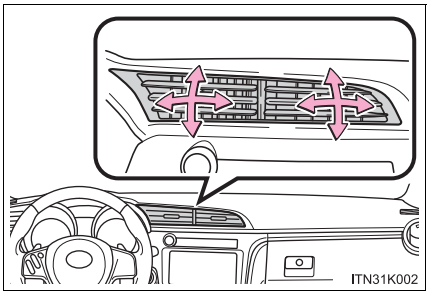
Switching between outside air and recirculated air modes

Press .

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

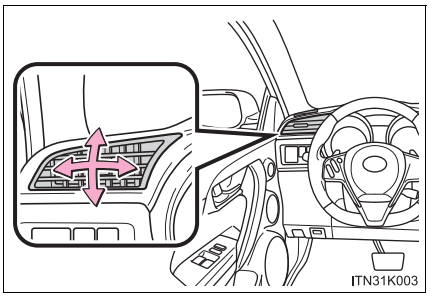
Adjusting the position of the air outlets

Center outlets



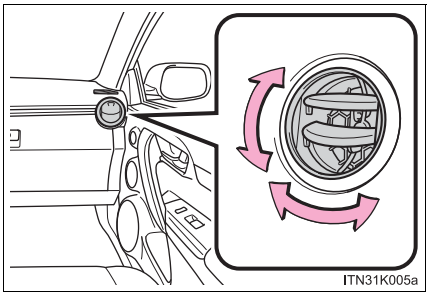
Direct air flow to the left or right, up or down.

Left side outlets



Direct air flow to the left or right, up or down.

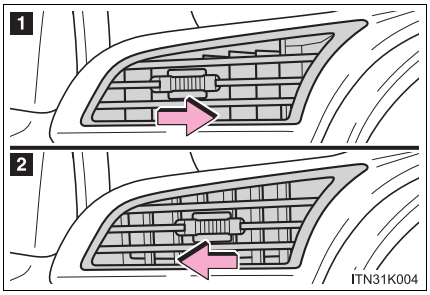
Right side outlets



Direct air flow to the left or right, up or down.

Opening and closing the air outlets

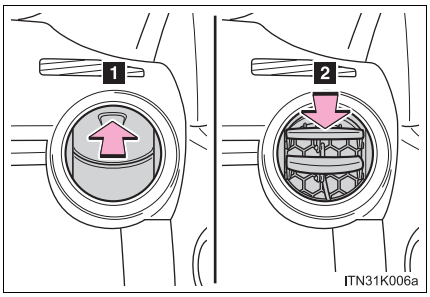
Left side outlets



1 Open the vent.

2 Close the vent.

Right side outlets



1 Open the vent.

2 Close the vent.

■ **Using the system in recirculated air mode**

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

■ **When outside air temperature is below 32 °F (0 °C)**

The cooling and dehumidification function may not operate even when A/C is pressed.

■ **Air conditioning odors**

- During use, various odors from inside and outside the vehicle may enter into and accumulate in the air conditioning system. This may then cause odor to be emitted from the vents.
- To reduce potential odors from occurring:
  It is recommended that the air conditioning system be set to outside air mode prior to turning the vehicle off.

CAUTION

■ **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.

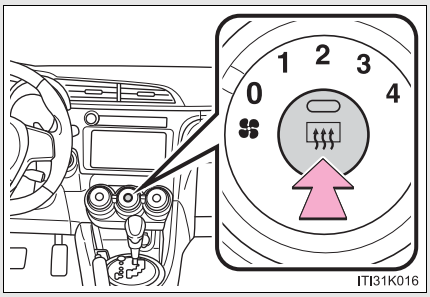
NOTICE

■ **To prevent battery discharge**

Do not leave the air conditioning system on longer than necessary when the engine is stopped.

Rear window and outside rear view mirror defogger switch

The rear window defogger is used to defog the rear window, and the outside rear view mirror defogger (if equipped) is used to remove raindrops, dew and frost from the outside rear view mirrors.



Turns the defoggers on/off

The defoggers will automatically turn off after approximately 15 minutes.

■ **The defoggers can be operated when**

Vehicles without a smart key system
The engine switch is in the “ON” position.

Vehicles with a smart key system
The “ENGINE START STOP” switch is in IGNITION ON mode.

■ **The outside rear view mirror defoggers (if equipped)**

Turning the rear window defogger on will turn the outside rear view mirror defoggers on.

CAUTION

When the outside rear view mirror defoggers are on (if equipped)

Do not touch the outside surface of the rear view mirrors, as they can become very hot and burn you.

NOTICE

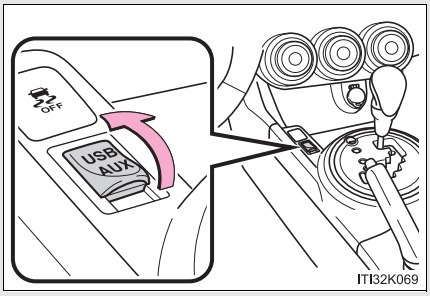
To prevent battery discharge

Turn the defoggers off when the engine is off.

Using the AUX port/USB port

This port can be used to connect a portable audio device and listen to it through the vehicle's speakers.

For more information, please refer to the "SCION Audio System Owner's Manual" or "SCION Navigation System Owner's Manual".



Open the cover and connect the portable audio device.

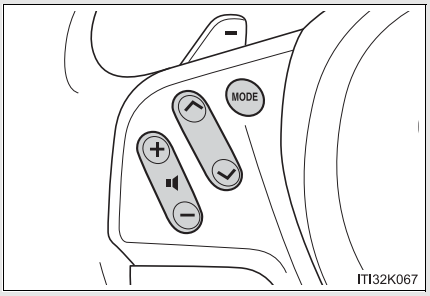
■ **When using a portable audio device connected to the power outlet**

Noise may occur during playback. Use the power source of the portable audio device.

Using the steering wheel audio switches

Some audio features (audio volume control, radio, CD player etc.) can be controlled using the switches on the steering wheel.

For more information, please refer to the “SCION Audio System Owner’s Manual” or “SCION Navigation System Owner’s Manual”.



CAUTION

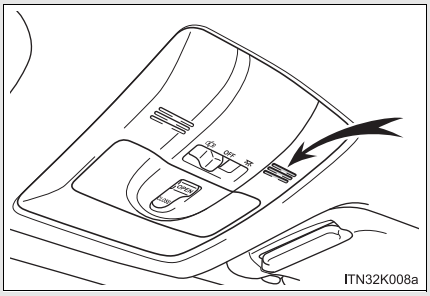
■ **To reduce the risk of an accident**

Exercise care when operating the audio switches on the steering wheel.

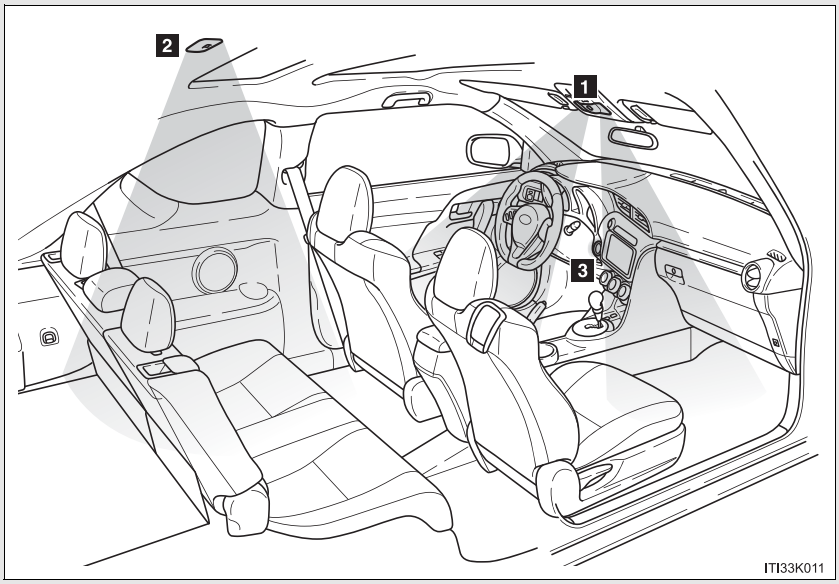
Using the microphone

The microphone can be used for the voice command in the Bluetooth® audio system or the hands-free phone system.

For more information, please refer to the “SCION Audio System Owner’s Manual” or “SCION Navigation System Owner’s Manual”.



Interior lights list



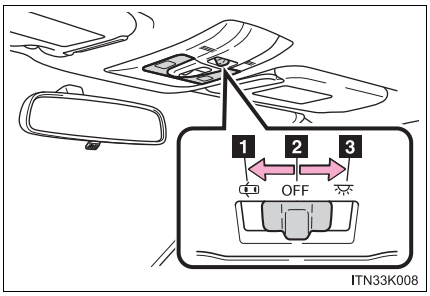
1 Front interior lights (→P. 251)

2 Rear interior light (→P. 251)

3 “ENGINE START STOP” switch light (if equipped)

Interior lights

Front

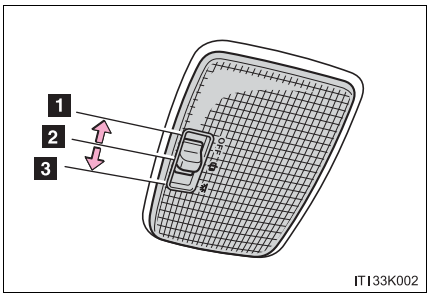


1 Door position
The interior lights come on when a door is opened. They turn off when the doors are closed.

2 Off

3 On

Rear



1 Off

2 Door position
The interior light comes on when a door is opened. It turns off when the doors are closed.

3 On

■ **Illuminated entry system**

Vehicles without a smart key system
The lights automatically turn on/off according to the engine switch position, whether the doors are locked/unlocked, and whether the doors are open/closed.

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

■ **To prevent battery discharge**

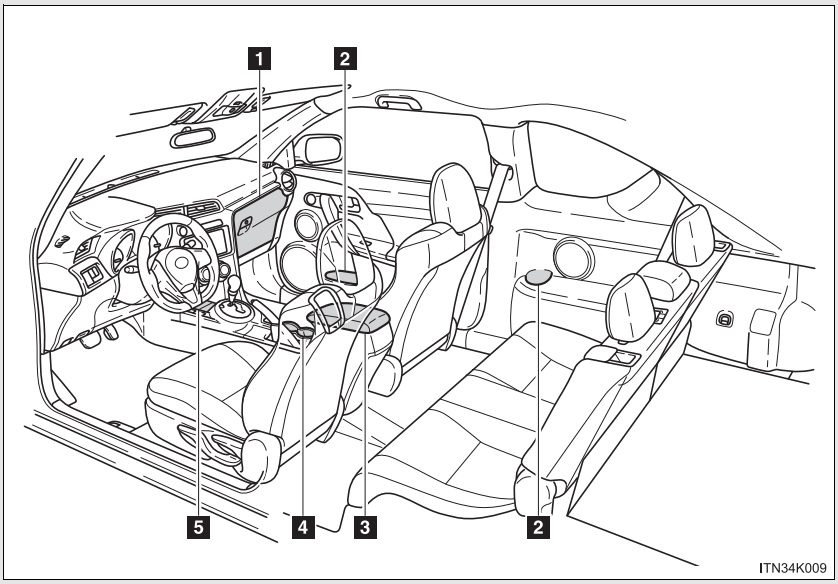
Vehicles without a smart key system
If the interior lights remain on when the engine switch is turned off, the lights will go off automatically after 20 minutes.

Vehicles with a smart key system
If the interior lights remain on when the “ENGINE START STOP” switch is turned off, the lights will go off automatically after 20 minutes.

■ **Customization that can be configured at Scion dealer**

Settings (e.g. The time elapsed before lights turn off) can be changed.
(Customizable features: →P. 458)

List of storage features



1 Glove box (→P. 254)
2 Bottle holders (→P. 257)
3 Console box (→P. 255)
4 Cup holders (→P. 256)
5 Auxiliary box (→P. 256)

CAUTION

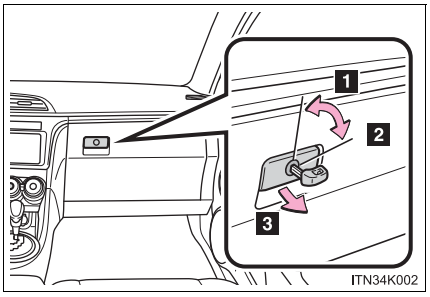
■ Items that should not be left in the storage spaces

Do not leave glasses, lighters or spray cans in the storage spaces, as this may cause the following when cabin temperature becomes high:

- Glasses may be deformed by heat or cracked if they come into contact with other stored items.
- Lighters or spray cans may explode. If they come into contact with other stored items, the lighter may catch fire or the spray can may release gas, causing a fire hazard.

Glove box

The glove box can be opened by pulling the lever and can be locked and unlocked by using the key (vehicles without a smart key system) or the mechanical key (vehicles with a smart key system).



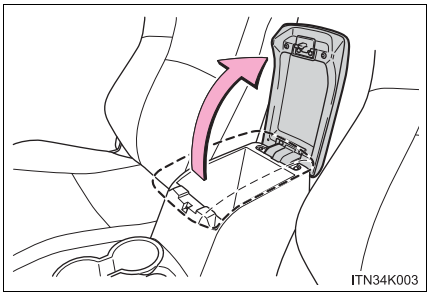
1 Unlock
2 Lock
3 Open

CAUTION

Caution while driving

Keep the glove box closed. In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by the open glove box or the items stored inside.

Console box



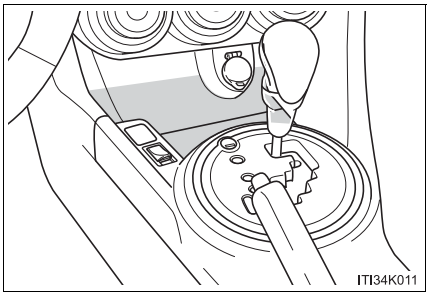
Lift the lid while pulling up the knob to release the lock.

CAUTION

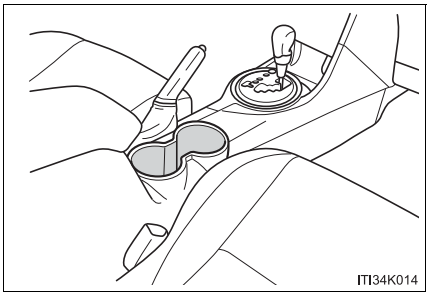
Caution while driving

Keep the console box closed. In the event of sudden braking or sudden swerving, an accident may occur due to an occupant being struck by the open console box or the items stored inside.

Auxiliary box



Cup holders



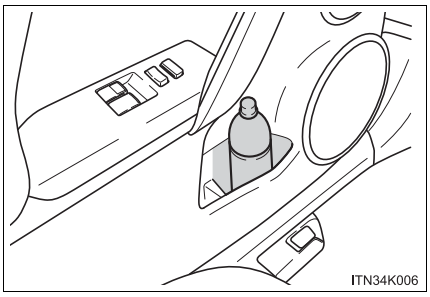
CAUTION

Items unsuitable for the cup holder

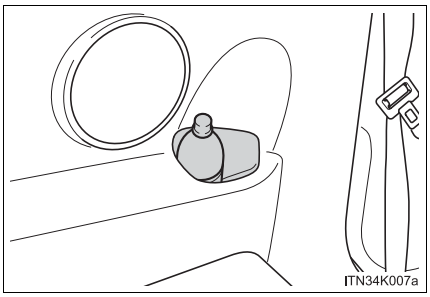
Do not place anything other than cups or aluminum cans in the cup holders. Other items may be thrown out of the holders in the event of sudden braking, sudden swerving or an accident, causing injury. If possible, cover hot drinks to prevent burns.

Bottle holders

Front



Rear



■ **When using the holder as a bottle holder**

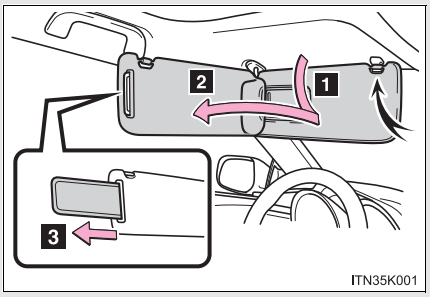
- When storing a bottle, close the cap.
- The bottle may not be stored depending on its size or shape.

⚠ NOTICE

■ **Items that should not be stowed in the bottle holders**

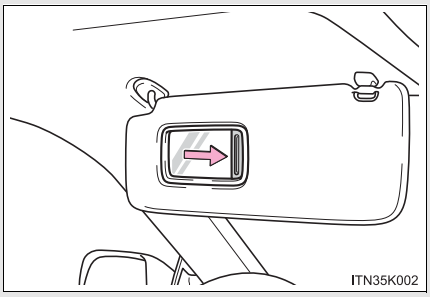
Do not place open bottles in the bottle holders, or glasses and paper cups containing liquid. The contents may spill and glasses may break.

Sun visors



1. To set the visor in the forward position, flip it down.
2. To set the visor in the side position, flip down, unhook, and swing it to the side.
3. To use the side extender, place the visor in the side position, then slide it backward.

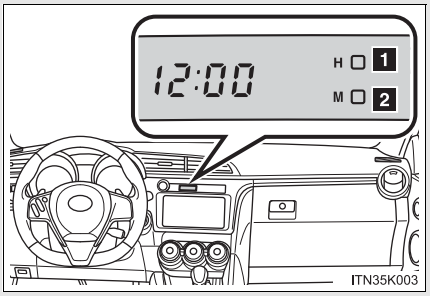
Vanity mirrors



Slide the cover to open.

Clock

The clock can be adjusted by pressing the buttons.



1 Adjusts the hours

2 Adjusts the minutes

■ The clock is displayed when

Vehicles without a smart key system
The engine switch is in the “ACC” or “ON” position.

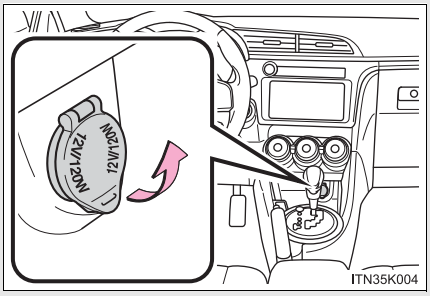
Vehicles with a smart key system
The “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode.

■ When disconnecting and reconnecting battery terminals

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

Power outlet

Please use as a power supply for electronic goods that use less than 12 VDC/10 A (power consumption of 120 W).



The power outlet can be used when

Vehicles without a smart key system
The engine switch is in the “ACC” or “ON” position.

Vehicles with a smart key system
The “ENGINE START STOP” switch is in ACCESSORY or IGNITION ON mode.

NOTICE

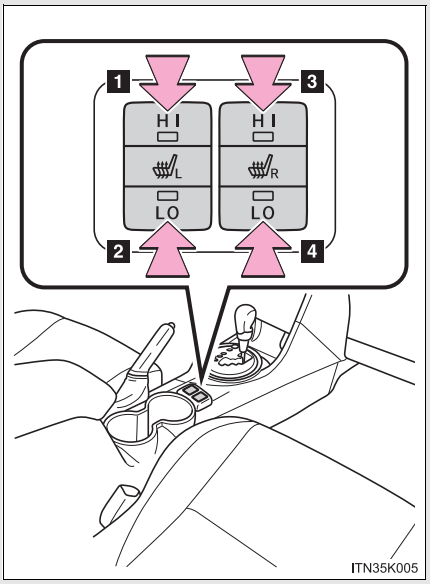
To avoid damaging the power outlet

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

To prevent battery discharge

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

Seat heaters*



1 Turns on the front left seat heater (high)

2 Turns on the front left seat heater (low)

3 Turns on the front right seat heater (high)

4 Turns on the front right seat heater (low)

The indicator light comes on.

■ **The seat heaters can be used when**

Vehicles without a smart key system
The engine switch is in the “ON” position.

Vehicles with a smart key system
The “ENGINE START STOP” switch is in IGNITION ON mode.

■ **When not in use**

Turn the seat heater off by returning the switch to its level position. The indicator light turns off.

*: If equipped

CAUTION

Burns

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

NOTICE

To prevent seat heater damage

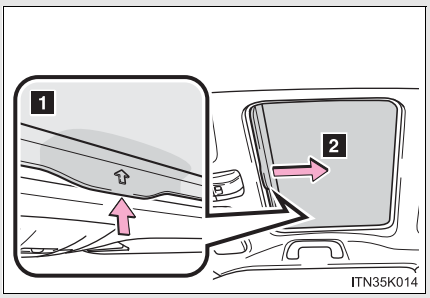
Do not put heavy objects that have an uneven surface on the seat and do not stick sharp objects (needles, nails, etc.) into the seat.

To prevent battery discharge

Turn the seat heaters off when the engine is not running.

Front sunshade

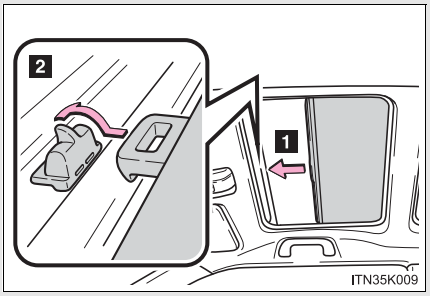
Open



1 Push the sunshade from underneath to detach from the hook.

2 Slide the sunshade slowly.

Close

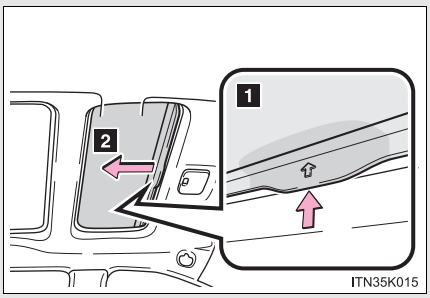


1 Slide the sunshade closed.

2 Secure the sunshade using the hook.

Rear sunshade

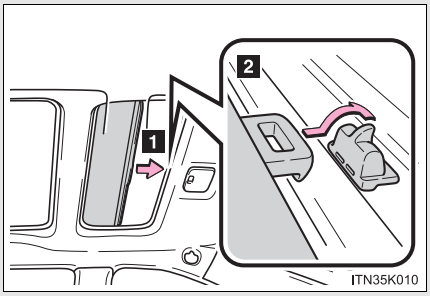
Open



1 Push the sunshade from underneath to detach from the hook.

2 Slide the sunshade slowly.

Close



1 Slide the sunshade closed.

2 Secure the sunshade using the hook.

NOTICE

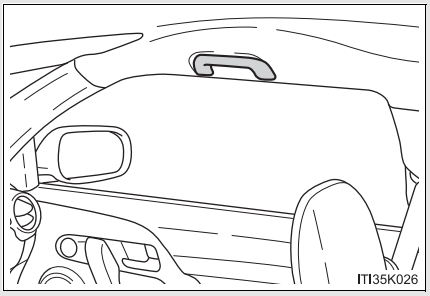
To ensure normal operation of the sunshade

Observe the following precautions.

- Do not place anything where it may hinder the opening/closing of the sunshade.
- Do not place anything on the sunshade.

Assist grips

An assist grip installed on the ceiling can be used to support your body while sitting on the seat.



CAUTION

■ **Assist grip**

Do not use the assist grip when getting in or out of the vehicle or rising from your seat.

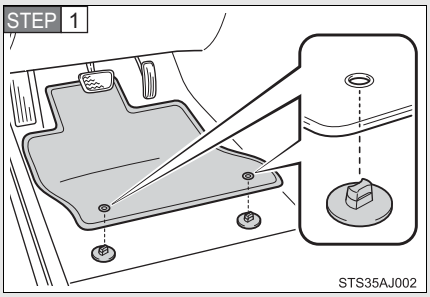
NOTICE

■ **To prevent damage to the assist grip**

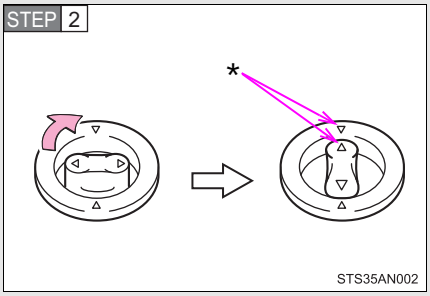
Do not hang any heavy object or put a heavy load on the assist grip.

Floor mat

Use only floor mats designed specifically for vehicles of the same model and model year as your vehicle. Fix them securely in place onto the carpet.



Insert the retaining hooks (clips) into the floor mat eyelets.



Turn the upper knob of each retaining hook (clip) to secure the floor mats in place.

*: Always align the △ marks.

The shape of the retaining hooks (clips) may differ from that shown in the illustration.

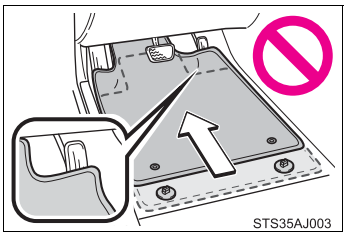
CAUTION

Observe the following precautions.
Failure to do so may cause the driver's floor mat to slip, possibly interfering with the pedals while driving. An unexpectedly high speed may result or it may become difficult to stop the vehicle, leading to an accident, or leading to death or a serious injury.

■When installing the driver's floor mat

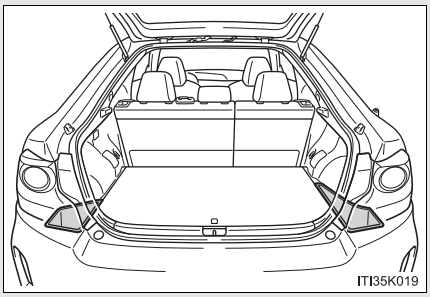
- Do not use floor mats designed for other models or different model year vehicles, even if they are Scion Genuine floor mats.
- Only use floor mats designed for the driver's seat.
- Always install the floor mat securely using the retaining hooks (clips) provided.
- Do not use two or more floor mats on top of each other.
- Do not place the floor mat bottom-side up or upside-down.

■Before driving

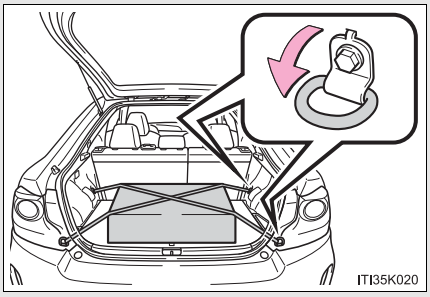


- Check that the floor mat is securely fixed in the correct place with all the provided retaining hooks (clips). Be especially careful to perform this check after cleaning the floor.
- With the engine stopped and the shift lever in P (automatic transmission) or N (manual transmission), fully depress each pedal to the floor to make sure it does not interfere with the floor mat.

Auxiliary boxes



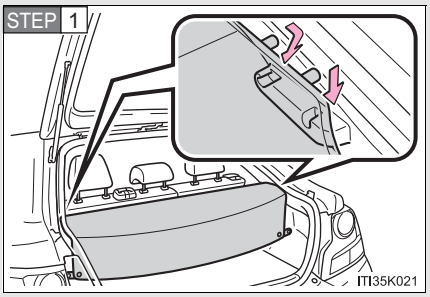
Cargo hooks



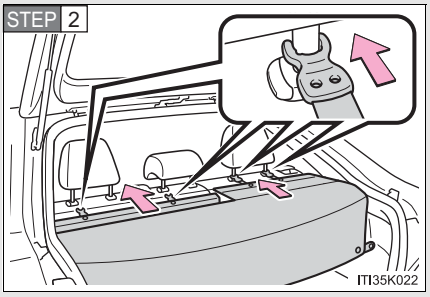
Raise the hook to use.

The cargo hooks are provided for securing loose items.

■ Luggage cover (if equipped)

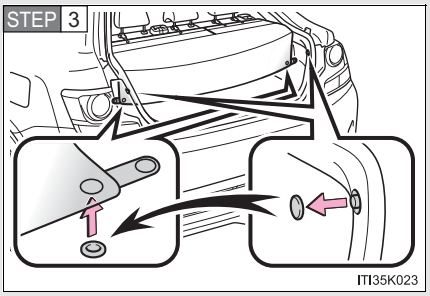


Hook the side of the luggage cover.

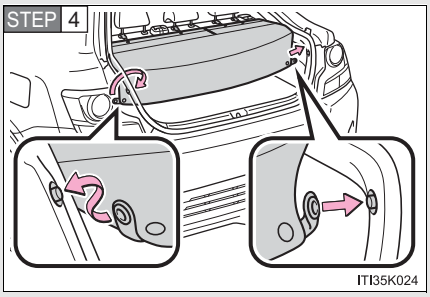


Attach the front hooks of the luggage cover to the rear seat head restraints.

If the luggage cover cannot be hooked, recline the rear seats a little.



Remove the cap.
Attach the cap to the underside of the luggage cover.



Attach the snap fasteners.

CAUTION

■ **When the cargo hooks are not in use**

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

■ **Caution for the luggage cover (if equipped)**

Do not allow children to climb on the luggage cover. Climbing on the luggage cover could result in damage to the luggage cover, possibly causing death or serious injury to the child.

Maintenance and care

4

4-1. Maintenance and care

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Cleaning and protecting the vehicle exterior

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

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

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

■ **Automatic car washes**

- Fold the mirrors and remove the antenna before washing the vehicle. Start washing from the front of the vehicle. Make sure to re-install the antenna and extend the mirrors before driving.
- Brushes used in automatic car washes may scratch the vehicle surface and harm your vehicle's paint.

■ **High pressure car washes**

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

■ **Aluminum wheels**

- Remove any dirt immediately by using a neutral detergent. Do not use hard brushes or abrasive cleaners. Do not use strong or harsh chemical cleaners.
  Use the same mild detergent and wax as used on the paint.
- Do not use detergent on the wheels when they are hot, for example after driving for long distance in the hot weather.
- Wash detergent from the wheels immediately after use.

■ **Bumpers and side moldings**

Do not scrub with abrasive cleaners.

■ **Notes for a smart key system (if equipped)**

- If the door handle becomes wet while the electronic key is within the effective range, the door may lock and unlock repeatedly. Place the key in a position 6 ft. (2 m) or more separate from the vehicle while the vehicle is being washed. (Take care to ensure that the key is not stolen.)
- If the electronic key is inside the vehicle and a door handle becomes wet during a car wash, a buzzer will sound outside the vehicle. To turn off the alarm, lock all the doors.

CAUTION

■ **When washing the vehicle**

Do not apply water to the inside of the engine compartment. Doing so may cause the electrical components etc. to catch fire.

■ **Precautions regarding the exhaust pipe**

Exhaust gasses cause the exhaust pipe to become quite hot.

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

NOTICE

■ **To prevent paint deterioration and corrosion on the body and components (aluminum wheels etc.)**

● Wash the vehicle immediately in the following cases:

- After driving near the sea coast
- After driving on salted roads
- If coal tar or tree sap is present on the paint surface
- If dead insects, insect droppings or bird droppings are present on the paint surface
- After driving in an area contaminated with soot, oily smoke, mine dust, iron powder or chemical substances
- If the vehicle becomes heavily soiled with dust or mud
- If liquids such as benzene and gasoline are spilled on the paint surface

● If the paint is chipped or scratched, have it repaired immediately.

● To prevent the wheels from corroding, remove any dirt and store in a place with low humidity when storing the wheels.

■ **Cleaning the exterior lights**

● Wash carefully. Do not use organic substances or scrub with a hard brush. This may damage the surfaces of the lights.

● Do not apply wax to the surfaces of the lights.
Wax may cause damage to the lenses.

■ **Antenna installation and removal precautions**

● Before driving, ensure that the antenna is installed.

● When the antenna is removed, such as before entering an automatic car wash, make sure to store it in a suitable place so as not to lose it. Also, before driving, make sure to reinstall the antenna in its original position.

■ **To prevent damage to the windshield wiper arms**

When lifting the wiper arms away from the windshield, pull the driver side wiper arm upward first, and repeat for the passenger side. When returning the wipers to their original position, do so from the passenger side first.

Cleaning and protecting the vehicle interior

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

Protecting the vehicle interior

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

Cleaning the leather areas

- Remove dirt and dust using a vacuum cleaner.
- Wipe off any excess dirt and dust with a soft cloth dampened with diluted detergent.
  Use a diluted water solution of approximately 5% neutral wool detergent.
- Wring out any excess water from the cloth and thoroughly wipe off all remaining traces of detergent.
- Wipe the surface with a dry, soft cloth to remove any remaining moisture. Allow the leather to dry in a shaded and ventilated area.

Caring for leather areas

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

Shampooing the carpets

There are several commercial foaming-type cleaners available. Use a sponge or brush to apply the foam. Rub in overlapping circles. Do not use water. Wipe dirty surfaces and let them dry. Excellent results are obtained by keeping the carpet as dry as possible.

Seat belts

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

CAUTION

Water in the vehicle

- Do not splash or spill liquid in the vehicle.
  Doing so may cause electrical components etc. to malfunction or catch fire.
- Do not get any of the SRS components or wiring in the vehicle interior wet. (→P. 110)
  An electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or serious injury.

Cleaning the interior (especially instrument panel)

Do not use polish wax or polish cleaner. The instrument panel may reflect off the windshield, obstructing the driver's view and leading to an accident, resulting in death or serious injury.

NOTICE

Cleaning detergents

- Do not use the following types of detergent, as they may discolor the vehicle interior or cause streaks or damage to painted surfaces:
  - Non-seat portions: Organic substances such as benzene or gasoline, alkaline or acidic solutions, dye, and bleach
  - Seats: Alkaline or acidic solutions, such as thinner, benzene, and alcohol
- Do not use polish wax or polish cleaner. The instrument panel's or other interior part's painted surface may be damaged.

Preventing damage to leather surfaces

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

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

Water on the floor

Do not wash the vehicle floor with water.
Vehicle systems such as the audio system may be damaged if water comes into contact with electrical components such as the audio system above or under the floor of the vehicle. Water may also cause the body to rust.

Cleaning the inside of the rear window

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

Maintenance requirements

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

General maintenance

General maintenance should be performed on a daily basis. This can be done by yourself or by a Scion dealer.

Scheduled maintenance

Scheduled maintenance should be performed at specified intervals according to the maintenance schedule.

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

Do-it-yourself maintenance

You can perform some maintenance procedures by yourself. Please be aware that do-it-yourself maintenance may affect warranty coverage.

The use of Scion Repair Manuals is recommended.

For details about warranty coverage, see the separate "Owner's Warranty Information Booklet" or "Owner's Manual Supplement".

Repair and replacement

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

Reset the maintenance data (U.S.A. only)

After the required maintenance is performed according to the maintenance schedule, please reset the maintenance data.
To reset the data, follow the procedures described below:

STEP 1 Switch the display to the trip meter A when the engine is running. (→P. 190)

STEP 2 Vehicles without a smart key system:
Turn the engine switch off.

Vehicles with a smart key system:
Turn the “ENGINE START STOP” switch off.

STEP 3 Vehicles without a smart key system:
While pressing the odometer/trip meter display change button (→P. 190), turn the engine switch to the “ON” position (do not start the engine because reset mode will be canceled). Continue to press and hold the button until the trip meter displays “000000”.

Vehicles with a smart key system:
While pressing the odometer/trip meter display change button (→P. 190), turn the “ENGINE START STOP” switch to the IGNITION ON mode (do not start the engine because otherwise the reset mode will be canceled). Continue to press and hold the button until the trip meter displays “000000”.

Allow inspection and repairs to be performed by a Scion dealer

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

CAUTION

■ **If your vehicle is not properly maintained**

Improper maintenance could result in serious damage to the vehicle and possible serious injury or death.

■ **Handling of the battery**

- Engine exhaust, some of its constituents, and a wide variety of automobile components contain or emit chemicals known to the State of California to cause cancer and birth defects and other reproductive harm. Work in a well ventilated area.
- Oils, fuels and fluids contained in vehicles as well as waste produced by component wear contain or emit chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Avoid exposure and wash any affected area immediately.
- Battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P. 308)

General maintenance

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

Engine compartment

Items	Check points
Battery	Check the connections. (→P. 308)
Brake fluid	Is the brake fluid at the correct level? (→P. 305)
Engine coolant	Is the engine coolant at the correct level? (→P. 303)
Engine oil	Is the engine oil at the correct level? (→P. 299)
Exhaust system	There should not be any fumes or strange sounds.
Radiator/condenser	The radiator and condenser should be free from foreign objects. (→P. 305)
Washer fluid	Is there sufficient washer fluid? (→P. 312)

Vehicle interior

Items	Check points
Accelerator pedal	• The accelerator pedal should move smoothly (without uneven pedal effort or catching).
Automatic transmission “Park” mechanism	• When parked on a slope and the shift lever is in P, is the vehicle securely stopped?
Brake pedal	• Does the brake pedal move smoothly? • Does the brake pedal have appropriate clearance from the floor? (→P. 434) • Does the brake pedal have the correct amount of free play? (→P. 434)
Brakes	• The vehicle should not pull to one side when the brakes are applied. • The brakes should work effectively. • The brake pedal should not feel spongy. • The brake pedal should not get too close to the floor when the brakes are applied.
Clutch pedal	• Does the clutch pedal move smoothly? • Does the clutch pedal have appropriate clearance from the floor? • Does the clutch pedal have the correct amount of free play? (→P. 433)

Items	Check points
Head restraints	• Do the head restraints move smoothly and lock securely?
Indicators/buzzers	• Do the indicators and buzzers function properly?
Lights	• Do all the lights come on?
Parking brake	• Does the parking brake lever move smoothly? • When parked on a slope and the parking brake is on, is the vehicle securely stopped?
Seat belts	• Do the seat belts operate smoothly? • The seat belts should not be damaged.
Seats	• Do the seat controls operate properly?
Steering wheel	• Does the steering wheel rotate smoothly? • Does the steering wheel have the correct amount of free play? • There should not be any strange sounds coming from the steering wheel.

Vehicle exterior

Items	Check points
Doors	• Do the doors operate smoothly?
Engine hood	• Does the engine hood lock system work properly?
Fluid leaks	• There should not be any signs of fluid leakage after the vehicle has been parked.
Tires	• Is the tire inflation pressure correct? • The tires should not be damaged or excessively worn. • Have the tires been rotated according to the maintenance schedule? • The wheel nuts should not be loose.
Windshield wipers/rear window wiper	• The wiper blades should not show any signs or cracking, splitting, wear, contamination or deformation. • The wiper blades should clear the windshield/rear window without streaking or skipping.

CAUTION

■ If the engine is running

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

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

■ **If the malfunction indicator lamp comes on**

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

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

● When the battery is disconnected or discharged

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

● When the fuel tank cap is loose

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

■ **When the malfunction indicator lamp still remains on after several driving trips**

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

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

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

Do-it-yourself service precautions

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

Items	Parts and tools
Battery condition (→P. 308)	• Warm water • Baking soda • Grease • Conventional wrench (for terminal clamp bolts)
Brake fluid level (→P. 305)	• FMVSS No.116 DOT 3 or SAE J1703 brake fluid • Rag or paper towel • Funnel (used only for adding brake fluid)

Items	Parts and tools
Engine coolant level (→P. 303)	• “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol-based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology For the U.S.A.: “Toyota Super Long Life Coolant” is pre-mixed with 50% coolant and 50% deionized water. For Canada: “Toyota Super Long Life Coolant” is pre-mixed with 55% coolant and 45% deionized water. • Funnel (used only for adding engine coolant)
Engine oil level (→P. 299)	• “Toyota Genuine Motor Oil” or equivalent • Rag or paper towel • Funnel (used only for adding engine oil)
Fuses (→P. 338)	• Fuse with same amperage rating as original

Items	Parts and tools
Light bulbs (→P. 349)	• Bulb with same number and wattage rating as original • Flathead screwdriver
Radiator and condenser (→P. 305)	—
Tire inflation pressure (→P. 325)	• Tire pressure gauge • Compressed air source
Washer fluid (→P. 312)	• Water or washer fluid containing antifreeze (for winter use) • Funnel (used only for adding water or washer fluid)

CAUTION

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

When working on the engine compartment

- Keep hands, clothing and tools away from the moving fan and engine drive belt.
- Be careful not to touch the engine, radiator, exhaust manifold, etc. right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper and rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel or the battery. Fuel and battery fumes are flammable.
- Be extremely cautious when working on the battery. It contains poisonous and corrosive sulfuric acid.

CAUTION

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

Vehicles without a smart key system
Be sure the engine switch is off. With the engine switch in the “ON” position, the electric cooling fans may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P. 305)

Vehicles with a smart key system
Be sure the “ENGINE START STOP” switch is off. With the “ENGINE START STOP” switch in IGNITION ON mode, the electric cooling fans may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P. 305)

■ **Safety glasses**

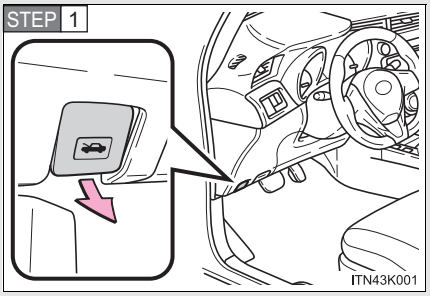
Wear safety glasses to prevent flying or falling material, fluid spray, etc. from getting your eyes.

NOTICE

■ **If you remove the air cleaner filter**

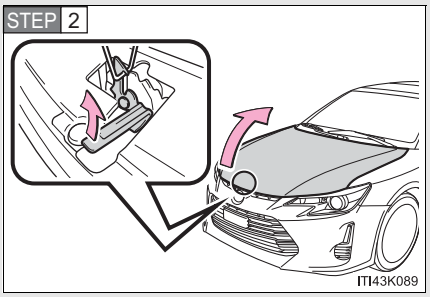
Driving with the air cleaner filter removed may cause excessive engine wear due to dirt in the air.

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

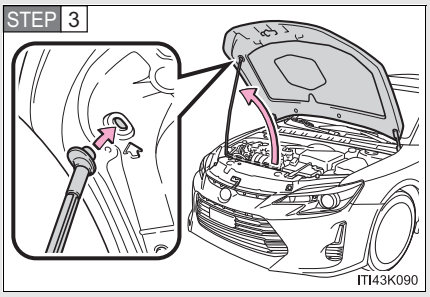


Pull the hood release lever.

The hood will pop up slightly.



Pull up the auxiliary catch lever and lift the hood.



Hold the hood open by inserting the supporting rod into the slot using the protection cover.

CAUTION

Pre-driving check

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

After installing the support rod into the slot

Make sure the rod supports the hood securely from falling down on to your head or body.

NOTICE

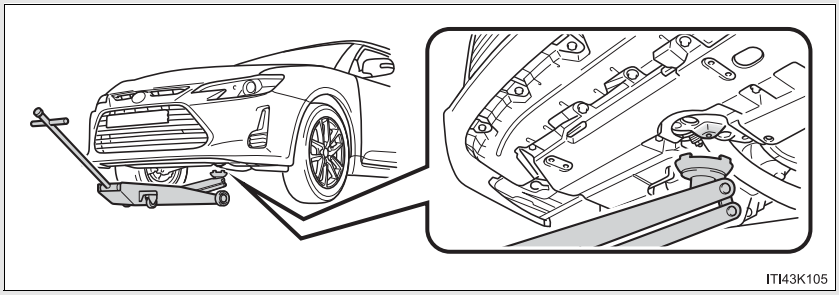
When closing the hood

Be sure to return the support rod to its clip before closing the hood. Closing the hood with the support rod up could cause the hood to bend.

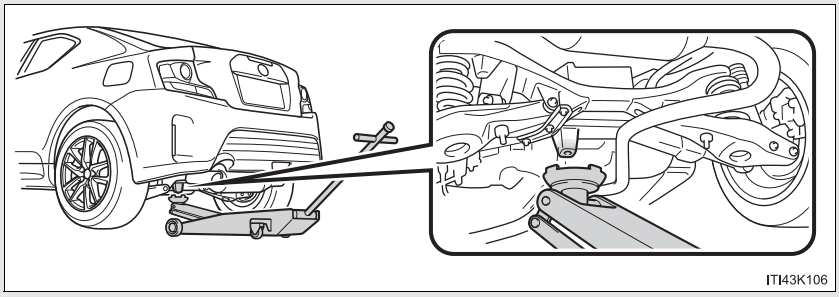
Positioning a floor jack

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

Front



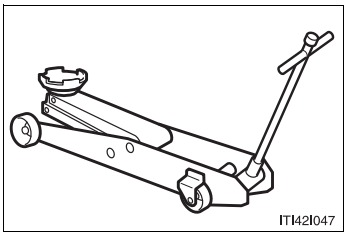
Rear



CAUTION

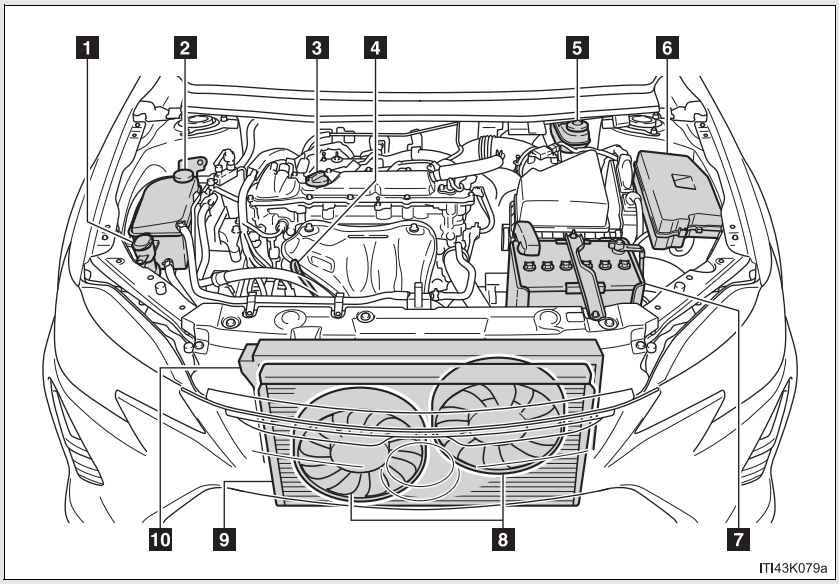
When raising your vehicle

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



- Lift up the vehicle using a floor jack such as the one shown in the illustration.
- When using a floor jack, follow the instructions of the manual provided with the jack.
- Do not use the jack that was supplied with your vehicle.
- Do not put any part of your body underneath the vehicle when it is supported only by the floor jack.
- Always use floor jack and/or automotive jack stands on a solid, flat, level surface.
- Do not start the engine while the vehicle is supported by the floor jack.
- Stop the vehicle on level, firm ground, firmly set the parking brake and shift the shift lever in P (automatic transmission) or R (manual transmission).
- Make sure to set the floor jack properly at the jack point.
  Raising the vehicle with an improperly positioned floor jack will damage the vehicle and may cause the vehicle to fall off the floor jack.
- Do not raise the vehicle while someone is in the vehicle.
- When raising the vehicle, do not place any objects on top of or underneath the floor jack.

Engine compartment



1 Washer fluid tank (→P. 312)
2 Engine coolant reservoir (→P. 303)
3 Engine oil filler cap (→P. 300)
4 Engine oil level dipstick (→P. 299)
5 Brake fluid reservoir (→P. 305)
6 Fuse box (→P. 338)
7 Battery (→P. 308)
8 Electric cooling fans
9 Condenser (→P. 305)
10 Radiator (→P. 305)

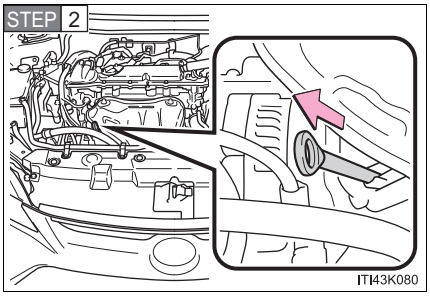
Engine oil

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

■ Checking the engine oil

STEP 1 Park the vehicle on level ground. After warming up the engine and turning it off, wait more than 5 minutes for the oil to drain back into the bottom of the engine.

STEP 2

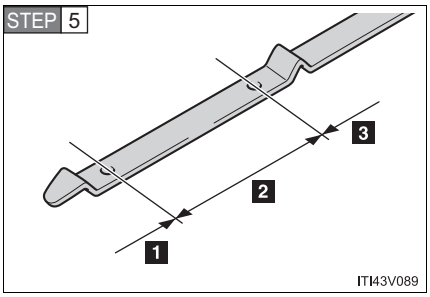


Holding a rag under the end, pull the dipstick out.

STEP 3 Wipe the dipstick clean.

STEP 4 Reinsert the dipstick fully.

STEP 5



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

1 Low

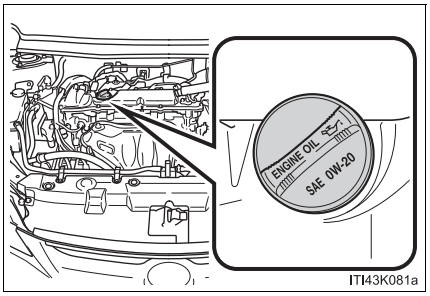
2 Normal

3 Excessive

The shape of the dipstick may differ depending on the type of vehicle or engine.

STEP 6 Wipe the dipstick and reinsert it fully.

■ Adding engine oil



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

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

Engine oil selection	→P. 429
Oil quantity (Low → Full)	1.6 qt. (1.5 L, 1.3 Imp.qt.)
Items	Clean funnel

STEP 1 Remove the oil filler cap by turning it counterclockwise.

STEP 2 Add engine oil slowly, checking the dipstick.

STEP 3 Install the oil filler cap by turning it clockwise.

Engine oil consumption

A certain amount of engine oil will be consumed while driving. In the following situations, oil consumption may increase, and engine oil may need to be refilled in between oil maintenance intervals.

- When the engine is new, for example directly after purchasing the vehicle or after replacing the engine
- If low quality oil or oil of an inappropriate viscosity is used
- When driving at high engine speeds or with a heavy load, or when driving while accelerating or decelerating frequently
- When leaving the engine idling for a long time, or when driving frequently through heavy traffic

CAUTION

Used engine oil

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

NOTICE

■ **To prevent serious engine damage**

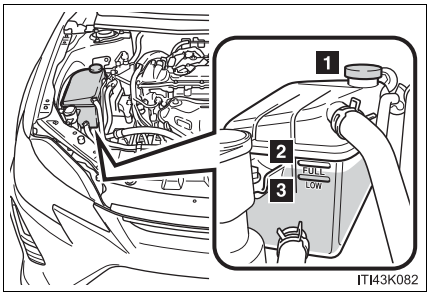
Check the oil level on a regular basis.

■ **When replacing the engine oil**

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

Engine coolant

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



1 Reservoir cap

2 “FULL” line

3 “LOW” line

If the level is on or below the “LOW” line, add coolant up to the “FULL” line. (→P. 418)

Coolant selection

Only use “Toyota Super Long Life Coolant” or a similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology.

U.S.A.: “Toyota Super Long Life Coolant” is a mixture of 50% coolant and 50% deionized water. (Minimum temperature: -31 °F [-35 °C])

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

For more details about engine coolant, contact your Scion dealer.

If the coolant level drops within a short time of replenishing

Visually check the radiator, hoses, engine coolant reservoir caps, drain cock and water pump.
If you cannot find a leak, have your Scion dealer test the cap and check for leaks in the cooling system.

CAUTION

When the engine is hot

Do not remove the engine coolant reservoir cap.
The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing serious injuries, such as burns.

NOTICE

When adding coolant

Coolant is neither plain water nor straight antifreeze. The correct mixture of water and antifreeze must be used to provide proper lubrication, corrosion protection and cooling. Be sure to read the antifreeze or coolant label.

If you spill coolant

Be sure to wash it off with water to prevent damaging parts or paint.

Radiator and condenser

Check the radiator and condenser and clear away any foreign objects.
If either of the above parts is extremely dirty or you are not sure of their condition, have your vehicle inspected by your Scion dealer.

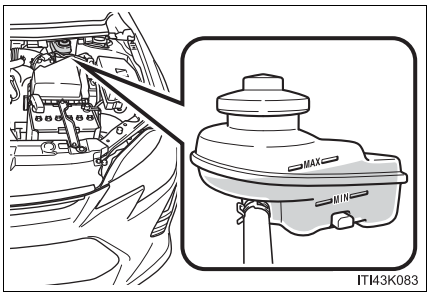
CAUTION

When the engine is hot

Do not touch the radiator or condenser as they may be hot and cause serious injuries, such as burns.

Brake fluid

Checking fluid level



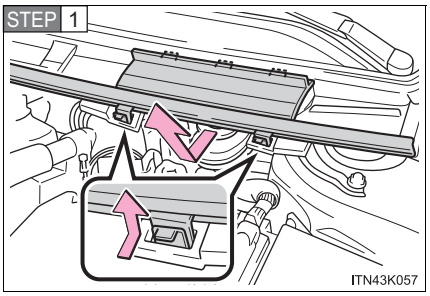
The brake fluid level should be between the “MAX” and “MIN” lines on the tank.

Adding fluid

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

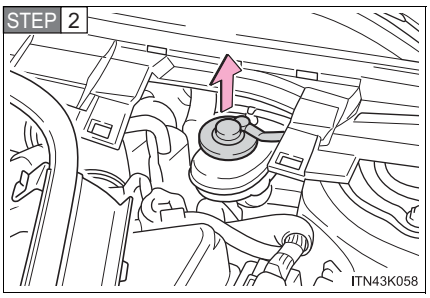
Fluid type	FMVSS No.116 DOT 3 or SAE J1703 brake fluid
Items	Clean funnel

STEP 1



Disconnect the claws to remove the service cover as shown in the illustration.

STEP 2



Remove the reservoir cap.

STEP 3 Add brake fluid slowly while checking the fluid level.

Brake fluid can absorb moisture from the air

Excess moisture in the brake fluid can cause a dangerous loss of braking efficiency. Use only newly opened brake fluid.

CAUTION

When filling the reservoir

Take care as brake fluid can harm your hands and eyes and damage painted surfaces.
If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately.

If you still experience discomfort, see a doctor.

NOTICE

If the fluid level is low or high

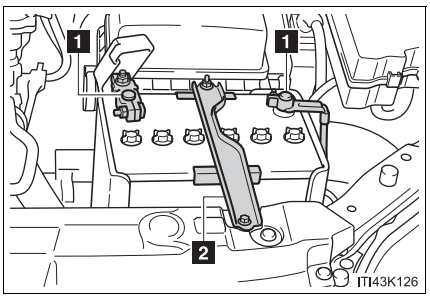
It is normal for the brake fluid level to go down slightly as the brake pads wear out or when the fluid level in the accumulator is high.
If the reservoir needs frequent refilling, there may be a serious problem.

Battery

Check the battery as follows:

Battery exterior

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



1 Terminals

2 Hold-down clamp

■ **Before recharging**

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

- If recharging with the battery installed on the vehicle, be sure to disconnect the ground cable.
- Make sure the power switch on the charger is off when connecting and disconnecting the charger cables to the battery.

■ **After recharging/reconnecting the battery (vehicles with a smart key system)**

- Unlocking the doors using the smart key system may not be possible immediately after reconnecting the battery. If this happens, use the wireless remote control or the mechanical key to lock/unlock the doors.
- Start the engine with the “ENGINE START STOP” switch in ACCESSORY mode. The engine may not start with the “ENGINE START STOP” switch turned OFF. However, the engine will operate normally from the second attempt.
- The “ENGINE START STOP” switch mode is recorded by the vehicle. If the battery is reconnected, the vehicle will return the “ENGINE START STOP” switch mode to the status it was in before the battery was disconnected. Make sure to turn off the power before disconnecting the battery. Take extra care when connecting the battery if the “ENGINE START STOP” switch mode prior to discharge is unknown.

If the system will not start even after multiple attempts, contact your Scion dealer.

CAUTION

Chemicals in the battery

Batteries contain poisonous and corrosive sulfuric acid and may produce hydrogen gas which is flammable and explosive. To reduce the risk of death or serious injury, take the following precautions while working on or near the battery:

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

Where to safely charge the battery

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

How to recharge the battery

Only perform a slow charge (5 A or less). The battery may explode if charged at a quicker rate.

CAUTION

Emergency measures regarding electrolyte

- If electrolyte gets in your eyes
  Flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If possible, continue to apply water with a sponge or cloth while traveling to the nearest medical facility.
- If electrolyte gets on your skin
  Wash the affected area thoroughly. If you feel pain or burning, get medical attention immediately.
- If electrolyte gets on your clothes
  It can soak through clothing on to your skin. Immediately take off the clothing and follow the procedure above if necessary.
- If you accidentally swallow electrolyte
  Drink a large quantity of water or milk. Get emergency medical attention immediately.

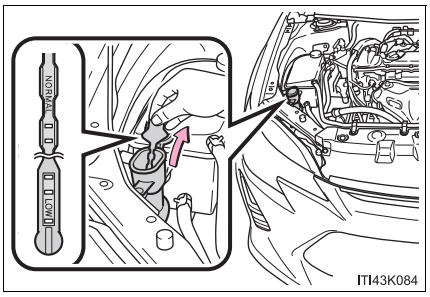
NOTICE

When recharging the battery

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

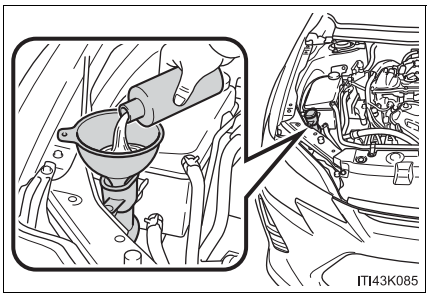
Washer fluid

For vehicles sold in the U.S.A.



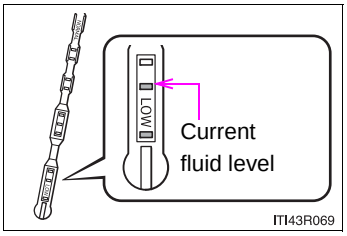
If the washer fluid level is at “LOW”, add washer fluid.

For vehicles sold in Canada



If any washer does not work or the low washer fluid warning light comes on, the washer tank may be empty. Add washer fluid.

■ Using the gauge (U.S.A. only)



The washer fluid level can be checked by observing the position of the level on the liquid-covered holes in the gauge.
If the level falls below the second hole from the bottom (the “LOW” position), refill the washer fluid.

CAUTION

When refilling washer fluid

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

NOTICE

Do not use any fluid other than washer fluid

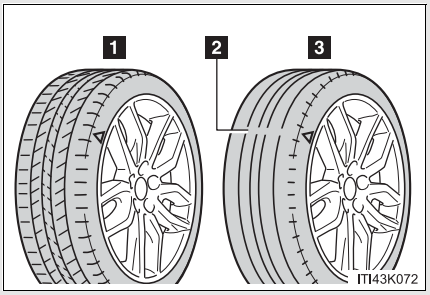
Do not use soapy water or engine antifreeze instead of washer fluid.
Doing so may cause streaking on the vehicle's painted surfaces.

Diluting washer fluid

Dilute washer fluid with water as necessary.
Refer to the freezing temperatures listed on the label of the washer fluid bottle.

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

Checking tires



1 New tread

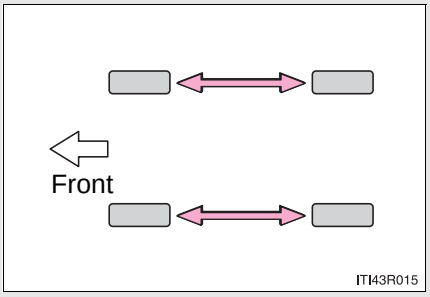
2 Treadwear indicator

3 Worn tread

The location of treadwear indicators is shown by the "TWI" or "△" marks, etc., molded on the sidewall of each tire.

Check spare tire condition and pressure if not rotated.

Tire rotation



Rotate the tires in the order shown.

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

Do not fail to initialize the tire pressure warning system after tire rotation. (U.S.A. only)

■ **Tire pressure warning system (U.S.A. only)**

Your vehicle is equipped with a tire pressure warning system that uses tire pressure warning valves and transmitters to detect low tire inflation pressure before serious problems arise. (→P. 379)

Installing tire pressure warning valves and transmitters (U.S.A. only)

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

When new tire pressure warning valves and transmitters are installed, new ID codes must be registered in the tire pressure warning computer and the tire pressure warning system must be initialized. Have tire pressure warning valve and transmitter ID codes registered by your Scion dealer. (→P. 317)

Initializing the tire pressure warning system (U.S.A. only)

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

- When rotating front and rear tires which have different tire inflation pressures
- When changing the tire size

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

■ How to initialize the tire pressure warning system

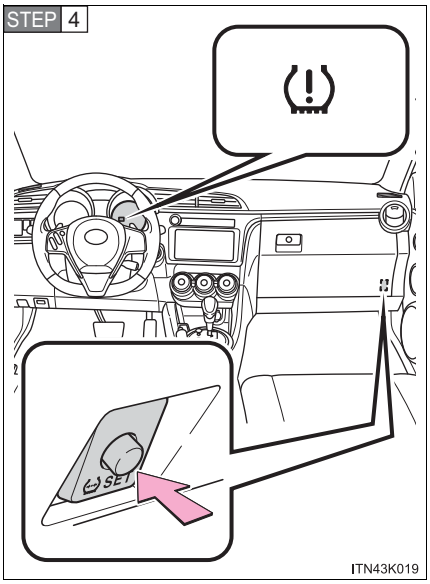
STEP 1 Park the vehicle in a safe place and turn the engine switch (vehicles without a smart key system) or the “ENGINE START STOP” switch (vehicles with a smart key system) off.

While the vehicle is moving, initialization is not performed.

STEP 2 Adjust the tire inflation pressure to the specified cold tire inflation pressure level. (→P. 435)

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

STEP 3 Turn the engine switch to the “ON” position (vehicles without a smart key system) or the “ENGINE START STOP” switch to IGNITION ON mode (vehicles with a smart key system).



Push and hold the tire pressure warning reset switch until the tire pressure warning light blinks slowly 3 times.

STEP 5 **Vehicles without a smart key system**

Wait for a few minutes with the engine switch in the “ON” position and then turn the engine switch to the “LOCK” position.

Vehicles with a smart key system

Wait for a few minutes with the “ENGINE START STOP” switch in IGNITION ON mode and then turn the “ENGINE START STOP” switch off.

Registering ID codes (U.S.A. only)

The tire pressure warning valve and transmitter is equipped with a unique ID code. When replacing a tire pressure warning valve and transmitter, it is necessary to register the ID code. Have the ID code registered by your Scion dealer.

When to replace your vehicle's tires

Tires should be replaced if:

- You have tire damage such as cuts, splits, cracks deep enough to expose the fabric, and bulges indicating internal damage
- A tire goes flat repeatedly or cannot be properly repaired due to the size or location of a cut or other damage

If you are not sure, consult with your Scion dealer.

Replacing tires and wheels (U.S.A. only)

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

Tire life

Any tire over 6 years old must be checked by a qualified technician even if it has seldom or never been used or damage is not obvious.

Routine tire inflation pressure checks (U.S.A. only)

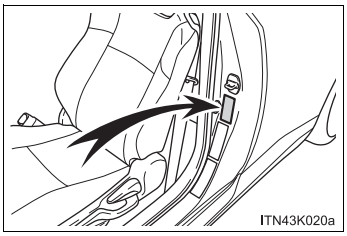
The tire pressure warning system does not replace routine tire inflation pressure checks. Make sure to check tire inflation pressure as part of your routine of daily vehicle checks.

Low profile tires

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

Maximum load of tire

Check that the maximum load of the replacement tire is greater than 1/2 of the Gross Axle Weight Ratings (GAWR) of either the front axle or the rear axle, whichever is greater.



For the GAWR, see the Certification Label. For the maximum load of the tire, see the load limit at maximum cold tire inflation pressure mentioned on the sidewall of the tire. (→P. 441)

Tire types

- Summer tires

  Summer tires are high-speed performance tires best suited to highway driving under dry conditions. Since summer tires do not have the same traction performance as snow tires, summer tires are inadequate for driving on snow-covered or icy roads. For driving on snow-covered roads or icy roads, the use of snow tires is recommended. When installing snow tires, be sure to replace all four tires.

- All season tires

  All season tires are designed to provide better traction in snow and to be adequate for driving in most winter conditions as well as for use year round. All season tires, however, do not have adequate traction performance compared with snow tires in heavy or loose snow. Also, all season tires fall short in acceleration and handling performance compared with summer tires in highway driving.

- Snow tires

  For driving on snow-covered roads or icy roads, we recommend using snow tires. If you need snow tires, select tires of the same size, construction and load capacity as the originally installed tires. Since your vehicle has radial tires as original equipment, make sure your snow tires also have radial construction. Do not install studded tires without first checking local regulations for possible restrictions. Snow tires should be installed on all wheels. (→P. 226)

Initializing the tire pressure warning system (U.S.A. only)

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

If the tread on snow tires wears down below 0.16 in. (4 mm)

The effectiveness of the tires as snow tires is lost.

■ **If you push the tire pressure warning reset switch accidentally (U.S.A. only)**

If initialization is performed, adjust the tire inflation pressure to the specified level and initialize the tire pressure warning system again.

■ **When initialization of the tire pressure warning system has failed (U.S.A. only)**

Initialization can be completed in a few minutes. However, in the following cases, the settings have not been recorded and the system will not operate properly. If repeated attempts to record tire inflation pressure settings are unsuccessful, have the vehicle inspected by your Scion dealer.

- When operating the tire pressure warning reset switch, the tire pressure warning light does not blink 3 times.
- After driving for a certain period of time since the initialization has been completed, the warning light comes on after blinking for 1 minute.

■ **Tire pressure warning system certification (U.S.A. only)**

FCC ID: PAXPMV107J

FCC ID: HYQ13BCX

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.

CAUTION

When inspecting or replacing tires

Observe the following precautions to prevent accidents.
Failure to do so may cause damage to parts of the drive train as well as dangerous handling characteristics, which may lead to an accident resulting in death or serious injury.

- Do not mix tires of different makes, models or tread patterns.
  Also, do not mix tires of remarkably different treadwear.
- Do not use tire sizes other than those recommended by Scion.
- Do not mix differently constructed tires (radial, bias-belted or bias-ply tires).
- Do not mix summer, all season and snow tires.
- Do not use tires that have been used on another vehicle.
  Do not use tires if you do not know how they were used previously.
- Do not tow if your vehicle has a compact spare tire installed.

When initializing the tire pressure warning system (U.S.A. only)

Do not operate the tire pressure warning reset switch without first adjusting the tire inflation pressure to the specified level. Otherwise, the tire pressure warning light may not come on even if the tire inflation pressure is low, or it may come on when the tire inflation pressure is actually normal.

NOTICE

■ **Repairing or replacing tires, wheels, tire pressure warning valves, transmitters and tire valve caps (U.S.A. only)**

- When removing or fitting the wheels, tires or the tire pressure warning valves and transmitters, contact your Scion dealer as the tire pressure warning valves and transmitters may be damaged if not handled correctly.
- When replacing tire valve caps, do not use tire valve caps other than those specified. The cap may become stuck.

■ **To avoid damage to the tire pressure warning valves and transmitters (U.S.A. only)**

When a tire is repaired with liquid sealants, the tire pressure warning valve and transmitter may not operate properly. If a liquid sealant is used, contact your Scion dealer or other qualified service shop as soon as possible. Make sure to replace the tire pressure warning valve and transmitter when replacing the tire. (→P. 315)

NOTICE

Driving on rough roads

Take particular care when driving on roads with loose surfaces or potholes.
These conditions may cause losses in tire inflation pressure, reducing the cushioning ability of the tires. In addition, driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

Low profile tires

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

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

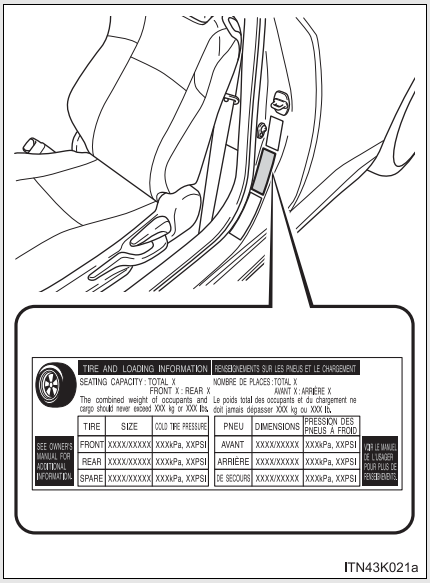
If tire inflation pressure of each tire becomes low while driving

Do not continue driving, or your tires and/or wheels may be ruined.

Tire inflation pressure

■ Tire inflation pressure

The recommended cold tire inflation pressure and tire size are displayed on the tire and loading information label. (→P. 435)



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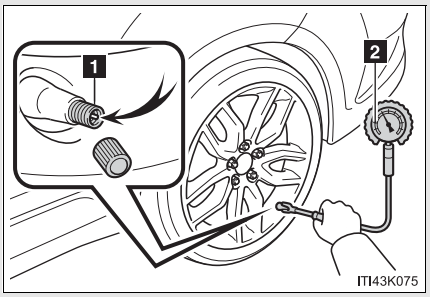
Inspection and adjustment procedure



1 Tire valve

2 Tire pressure gauge

STEP 1 Remove the tire valve cap.

STEP 2 Press the tip of the tire pressure gauge onto the tire valve.

STEP 3 Read the pressure using the gauge gradations.

STEP 4 If the tire inflation pressure is not at the recommended level, adjust the pressure.
If you add too much air, press the center of the valve to deflate.

STEP 5 After completing the tire inflation pressure measurement and adjustment, apply soapy water to the valve and check for leakage.

STEP 6 Put the tire valve cap back on.

Tire inflation pressure check interval

You should check tire inflation pressure every two weeks, or at least once a month.
Do not forget to check the spare.

Effects of incorrect tire inflation pressure

Driving with incorrect tire inflation pressure may result in the following:

- Reduced fuel efficiency
- Reduced driving comfort and tire life
- Reduced safety
- Damage to the drive train

If a tire needs frequent inflating, have it checked by your Scion dealer.

Instructions for checking tire inflation pressure

When checking tire inflation pressure, observe the following:

- Check only when the tires are cold.
  If your vehicle has been parked for at least 3 hours or has not been driven for more than 1 mile or 1.5 km, you will get an accurate cold tire inflation pressure reading.
- Always use a tire pressure gauge.
  The appearance of the tire can be misleading. In addition, tire inflation pressure that is even just a few pounds off can affect ride quality and handling.
- Do not reduce tire inflation pressure after driving. It is normal for the inflation pressure to be higher after driving.
- Never exceed the vehicle capacity weight.
  Passengers and luggage weight should be placed so that the vehicle is balanced.

CAUTION

Proper inflation is critical to save tire performance

Keep your tires properly inflated. Otherwise, the following conditions may occur and result in an accident causing death or serious injury:

- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Poor sealing of the tire bead
- Wheel deformation and/or tire separation
- A greater possibility of tire damage from road hazards

NOTICE

When inspecting and adjusting tire inflation pressure

Be sure to put the tire valve caps back on.
Without the valve caps, dirt or moisture could get into the valve and cause air leakage, which could result in an accident. If the caps are lost, replace them as soon as possible.

If a wheel is bent, cracked or heavily corroded, it should be replaced.
Otherwise, the tire may separate from the wheel or cause a loss of handling control.

■ **Wheel selection**

When replacing wheels, care should be taken to ensure that they are equivalent to those removed in load capacity, diameter, rim width, and inset*.
Replacement wheels are available at your Scion dealer.

*: Conventionally referred to as “offset”.

Scion does not recommend using the following:

- Wheels of different sizes or types
- Used wheels
- Bent wheels that have been straightened

■ **Aluminum wheel precautions**

- Use only Scion wheel nuts and wrenches designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1000 miles (1600 km).
- Be careful not to damage the aluminum wheels when using tire chains.
- Use only Scion genuine balance weights or equivalent and use a plastic or rubber hammer when balancing your wheels.

When replacing wheels (U.S.A. only)

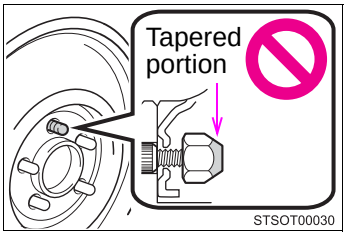
The wheels of your vehicle are equipped with tire pressure warning valves and transmitters that allow the tire pressure warning system to provide advance warning in the event of a loss in tire inflation pressure. Whenever wheels are replaced, tire pressure warning valves and transmitters must be installed. (→P. 315)

CAUTION

When replacing wheels

- Do not use wheels that are a different size from those recommended in the Owner's Manual, as this may result in a loss of handling control.
- Never use an inner tube in a leaking wheel which is designed for a tubeless tire. Doing so may result in an accident, causing death or serious injury.

When installing the wheel nuts



- Be sure to install the wheel nuts with the tapered ends facing inward. Installing the nuts with the tapered ends facing outward can cause the wheel to break and eventually cause the wheel to come off while driving, which could lead to an accident resulting in death or serious injury.
- Never use oil or grease on the wheel bolts or wheel nuts.
  Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing an accident and resulting in death or serious injury. Remove any oil or grease from the wheel bolts or wheel nuts.

CAUTION

Use of defective wheels prohibited

Do not use cracked or deformed wheels.
Doing so could cause the tire to leak air during driving, possibly causing an accident.

NOTICE

Replacing tire pressure warning valves and transmitters (U.S.A. only)

- Because tire repair or replacement may affect the tire pressure warning valves and transmitters, make sure to have tires serviced by your Scion dealer or other qualified service shop. In addition, make sure to purchase your tire pressure warning valves and transmitters at your Scion dealer.
- Ensure that only genuine Scion wheels are used on your vehicle.
  Tire pressure warning valves and transmitters may not work properly with non-genuine wheels.

Wireless remote control/electronic key battery

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

■ You will need the following items:

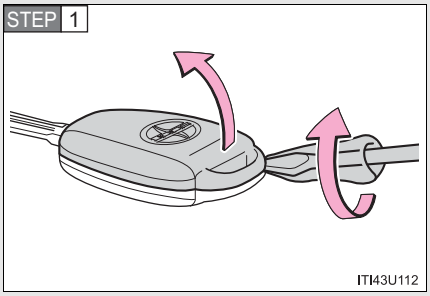
- Flathead screwdriver
- Small flathead screwdriver
- Lithium battery

  Vehicles without a smart key system (type A): CR2016
  Vehicles without a smart key system (type B): CR1620
  Vehicles with a smart key system: CR1632

■ Replacing the battery (vehicles without a smart key system)

Type A

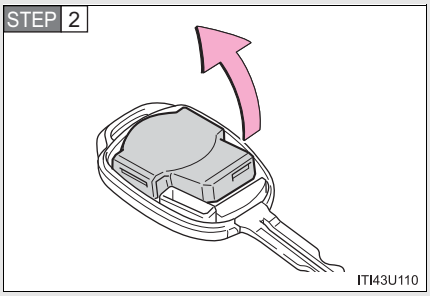
STEP 1



Remove the cover.

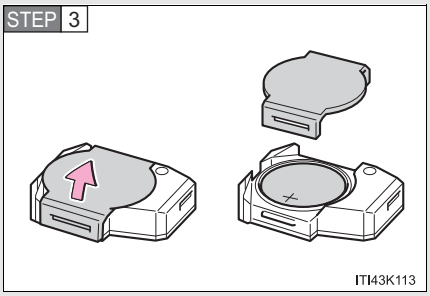
To prevent damage to the key, cover the tip of the screwdriver with a rag.

STEP 2



Remove the module.

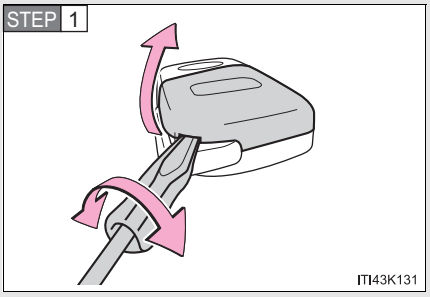
STEP 3



Remove the battery cover and the depleted battery.

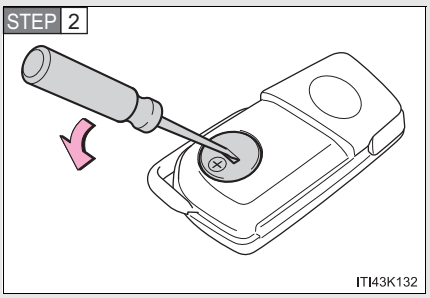
Insert a new battery with the “+” terminal facing up.

Type B

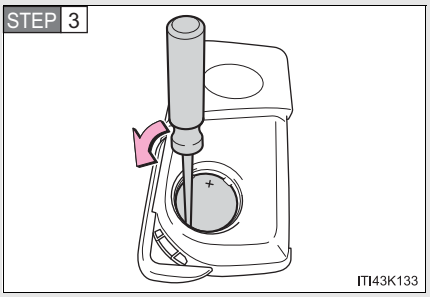


Remove the cover.

To prevent damage to the key, cover the tip of the screwdriver with a rag.



Remove the battery cover.

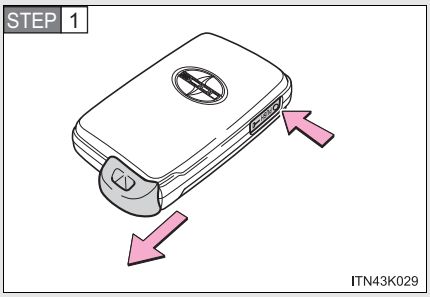


Remove the depleted battery.

Insert a new battery with the “+” terminal facing up.

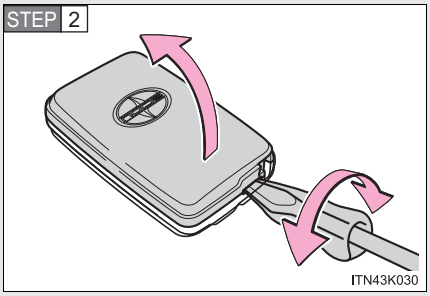
■ Replacing the battery (vehicles with a smart key system)

STEP 1



Take out the mechanical key.

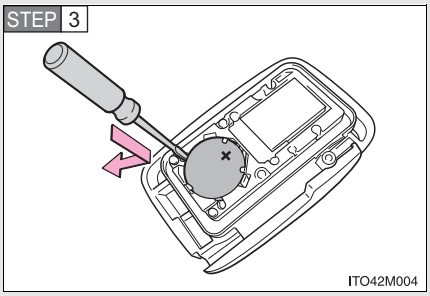
STEP 2



Remove the cover.

To prevent damage to the key, cover the tip of the screwdriver with a rag.

STEP 3



Remove the depleted battery.

Insert a new battery with the “+” terminal facing up.

■ **Use the following types of lithium battery**

Vehicles without a smart key system (type A): CR2016
Vehicles without a smart key system (type B): CR1620
Vehicles with a smart key system: CR1632

- Batteries can be purchased at your Scion dealer, local electrical appliance shops or camera stores.
- Replace only with the same or equivalent type recommended by the manufacturer.
- Dispose of used batteries according to the local laws.

■ **If the key battery is depleted**

The following symptoms may occur:

- The smart key system (if equipped) and wireless remote control will not function properly.
- The operational range will be reduced.

CAUTION

■ **Removed battery and other parts**

These parts are small and if swallowed by a child, they can cause choking. Keep away from children. Failure to do so could result in death or serious injury.

NOTICE

For normal operation after replacing the battery

Observe the following precautions to prevent accidents:

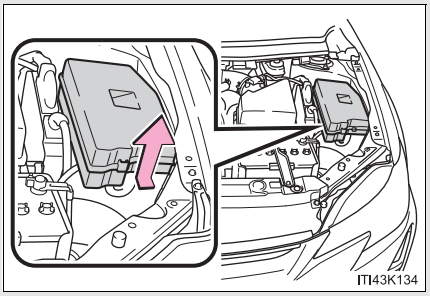
- Always work with dry hands.
  Moisture may cause the battery to rust.
- Do not touch or move any other component inside the remote control.
- Do not bend either of the battery terminals.

If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

STEP 1 **Vehicles without a smart key system**
Turn the engine switch off.
Vehicles with a smart key system
Turn the “ENGINE START STOP” switch off.

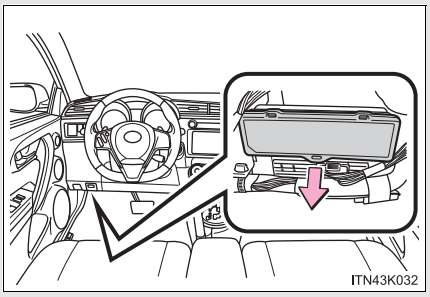
STEP 2 Open the fuse box cover.

Engine compartment



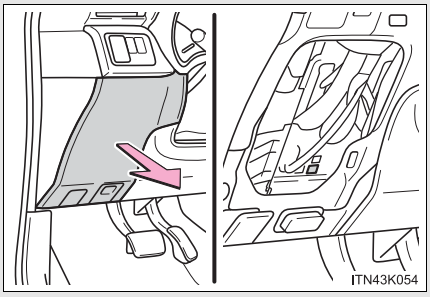
Push the tab in and lift the lid off.

Under the driver’s side instrument panel



Remove the lid.

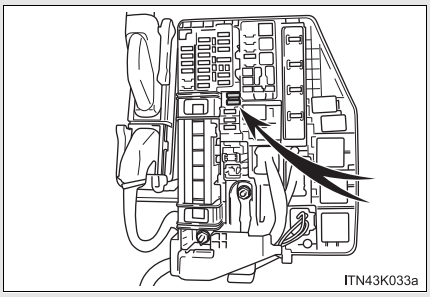
Driver's side instrument panel



Remove the instrument panel.

STEP 3 After a system failure, see "Fuse layout and amperage ratings" (→P. 341) for details about which fuse to check.

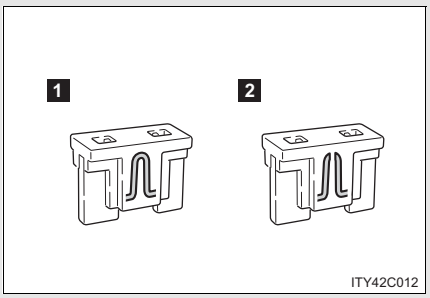
STEP 4 Remove the fuse.



Only type A fuses can be removed using the pullout tool.

STEP 5 Check if the fuse is blown.

Type A

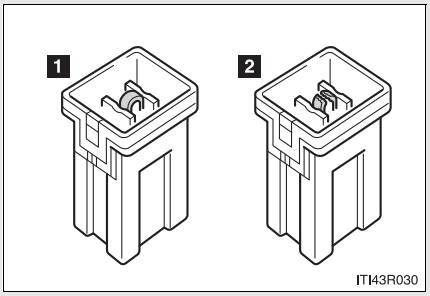


1 Normal fuse

2 Blown fuse

Replace the blown fuse with a new fuse of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

Type B

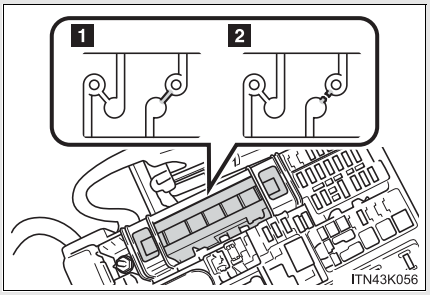


1 Normal fuse

2 Blown fuse

Replace the blown fuse with a new fuse of an appropriate amperage rating. The amperage rating can be found on the fuse box lid.

Type C



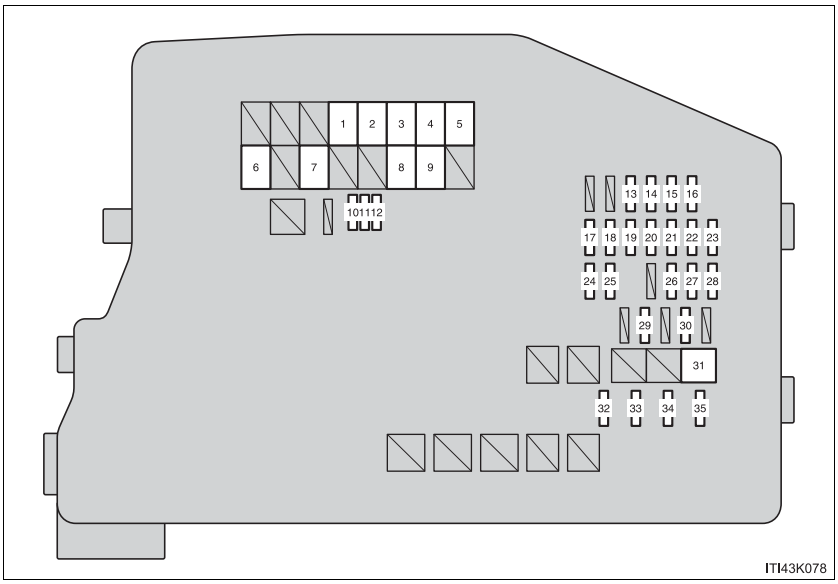
1 Normal fuse

2 Blown fuse

Contact your Scion dealer.

Fuse layout and amperage ratings

Engine compartment



Fuse		Ampere	Circuit
1	FAN NO.2	30 A	Electric cooling fan
2	FAN NO.1	40 A	Electric cooling fan
3	ABS NO.2	30 A	ABS, VSC
4	ABS NO.1	50 A	ABS, VSC
5	HTR	50 A	Air conditioning system
6	ALT	120 A	Charging system
7	EPS	80 A	Electric power steering system
8	P/I-B	50 A	EFI NO.1, EFI NO.2, HORN, IG2

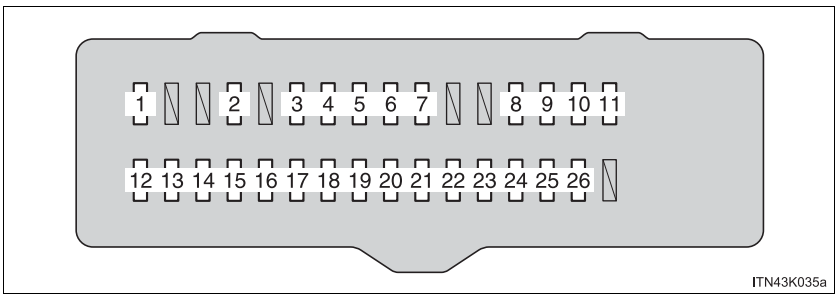
Fuse		Ampere	Circuit
9	H-LP MAIN	50 A	H-LP LH-LO, H-LP RH-LO, H-LP LH-HI, H-LP RH-HI, headlights
10	SPARE	10 A	Spare fuse
11	SPARE	20 A	Spare fuse
12	SPARE	30 A	Spare fuse
13	H-LP LH-HI	10 A	Left hand headlight (high beam)
14	H-LP RH-HI	10 A	Right hand headlight (high beam), gauges and meters
15	H-LP RH-LO	10 A	Right hand headlight (low beam), gauges and meters
16	H-LP LH-LO	10 A	Left hand headlight (low beam)
17	ETCS	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
18	HAZ	10 A	Turn signal lights, emergency flashers, gauges and meters
19	ALT-S	7.5 A	Charging system
20	AM2 NO.2*	7.5 A	Power management system
21	AM2	30 A	IG2 NO.2, starting system
22	STRG LOCK*	20 A	Steering lock system
23	AMP	30 A	Audio system
24	MIR HTR	10 A	Outside rear view mirror defoggers, multiport fuel injection system/ sequential multiport fuel injection system

Fuse		Ampere	Circuit
25	ECU-B NO.2	10 A	Automatic transmission, power windows, clock, smart key system, wireless remote control, front passenger occupant classification system
26	ECU-B	10 A	Body ECU, gauges and meters, steering sensor, wireless remote control, smart key system
27	RAD NO.1	15 A	Audio system
28	DOME	10 A	Interior light, luggage compartment light
29	STOP	10 A	Multiport fuel injection system/ sequential multiport fuel injection system, ABS, VSC, automatic transmission, shift lock system, stop lights, high mounted stoplight, power management system
30	DOOR	20 A	Power windows

Fuse		Ampere	Circuit
31	DEF	40 A	MIR HTR, rear window defoggers
32	EFI NO.2	15 A	Multiport fuel injection system/ sequential multiport fuel injection system, fuel pump
33	EFI NO.1	15 A	Multiport fuel injection system/ sequential multiport fuel injection system, automatic transmission
34	HORN	10 A	Horn
35	IG2	15 A	MET, IGN, Multiport fuel injection system/sequential multiport fuel injection system

*: Vehicles with a smart key system only

■ Under the driver's side instrument panel

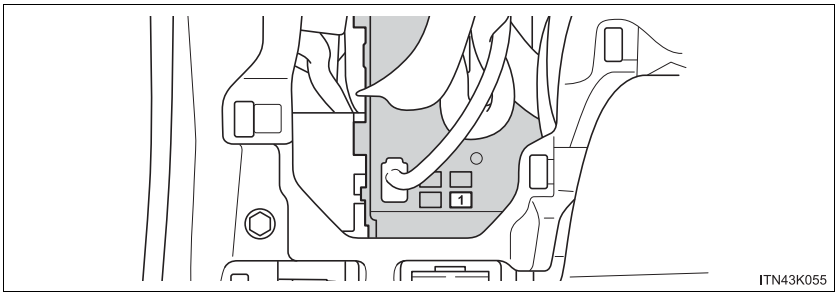


Fuse		Ampere	Circuit
1	S/ROOF	30 A	Moon roof
2	FOG FR	15 A	No circuit
3	FOG RR	7.5 A	No circuit
4	AM1	5 A	Starting system, body ECU
5	OBD	7.5 A	On-board diagnosis system
6	D/L	20 A	Power door lock system
7	DOOR FR	20 A	Power windows
8	WASHER RR	7.5 A	Rear window washer
9	WASHER FR	10 A	Windshield washer
10	WIP RR	15 A	Rear window wiper
11	WIP FR	30 A	Windshield wipers
12	PWR OUTLET	15 A	Power outlet
13	ECU-IG1 NO.1	5 A	Electric power steering, shift lock system, moon roof, tire pressure warning system, charging system, paddle shift switches

Fuse		Ampere	Circuit
14	ACC	5 A	Body ECU, clock, outside rear view mirror, shift lock system, audio system
15	IG	5 A	Rear window defoggers, electric cooling fan, multiport fuel injection system/sequential multiport fuel injection system
16	TAIL	10 A	Parking lights, tail lights, accessory lights, side marker lights, license plate lights, multiport fuel injection system/sequential multiport fuel injection system
17	IGN	7.5 A	Multiport fuel injection system/ sequential multiport fuel injection system, automatic transmission, clock, smart key system, steering lock system, SRS airbag system, fuel pump, front passenger occupant classification system
18	PANEL	5 A	Gauges and meters, air conditioning system, seat heater, VSC OFF switch, shift lever illumination, steering switch, clock, audio system
19	S/HTR FL	10 A	Seat heater (driver’s side)
20	MET	7.5 A	Gauges and meters

Fuse		Ampere	Circuit
21	S/HTR FR	10 A	Seat heater (front passenger's side)
22	IG2 NO.2	7.5 A	Starting system
23	BKUP LP	7.5 A	Back-up light, automatic transmission, multiport fuel injection system/sequential multiport fuel injection system
24	ECU-IG1 NO.2	5 A	Body ECU, ABS, VSC, steering sensor
25	ECU-IG1 NO.3	5 A	Turn signal lights, emergency flashers
26	HTR-IG	7.5 A	Air conditioning system

■ Driver's side instrument panel



Fuse		Ampere	Circuit
1	DOOR FL	30 A	Power windows

After a fuse is replaced

- If the lights do not turn on even after the fuse has been replaced, a bulb may need replacement. (→P. 349)
- If the replaced fuse blows again, have the vehicle inspected by your Scion dealer.

If there is an overload in the circuits

The fuses are designed to blow, protecting the wiring harness from damage.

CAUTION

To prevent system breakdowns and vehicle fire

Observe the following precautions.
Failing to do so may cause damage to the vehicle, and possibly a fire or injury.

- Never use a fuse of a higher amperage rating than that indicated, or use any other object in place of a fuse.
- Always use a genuine Scion fuse or equivalent.
  Never replace a fuse with a wire, even as a temporary fix.
- Do not modify the fuse or the fuse box.

NOTICE

Before replacing fuses

Have the cause of electrical overload determined and repaired by your Scion dealer, as soon as possible.

Light bulbs

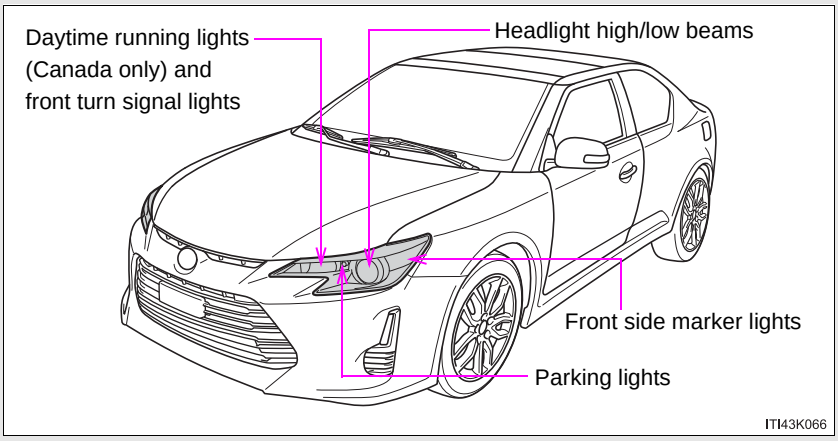
You may replace the following bulbs by yourself. The difficulty level of replacement varies depending on the bulb. If necessary bulb replacement seems difficult to perform, contact your Scion dealer.

For more information about replacing other light bulbs, contact your Scion dealer.

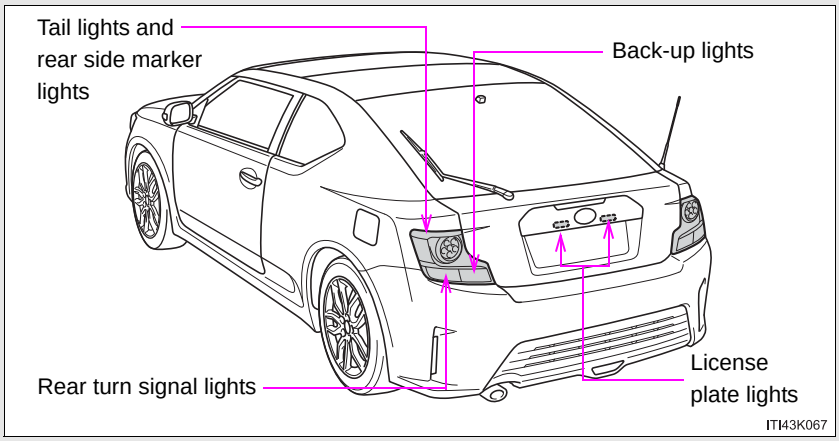
■ Preparing for light bulb replacement

Check the wattage of the light bulb to be replaced. (→P. 436)

■ Front bulb locations

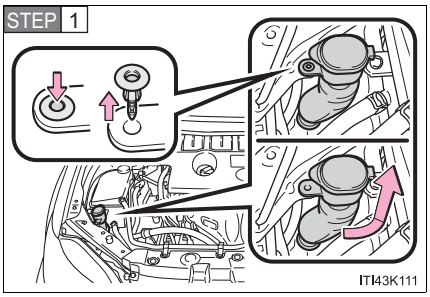


Rear bulb locations

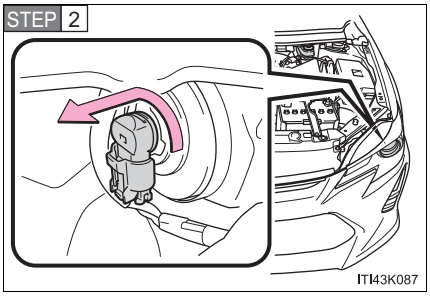


Replacing light bulbs

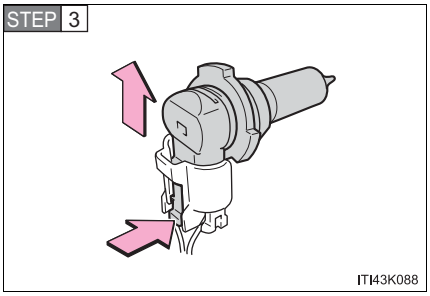
■ Headlight high/low beams



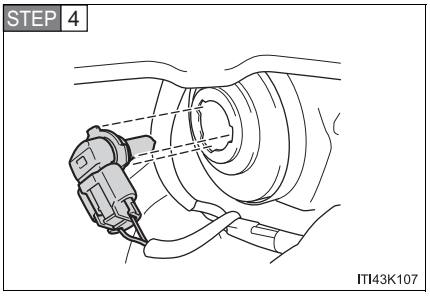
For easy access to the light bulbs, remove the securing clip and turn and pull off the washer fluid filler opener.



Turn the bulb base counterclockwise.

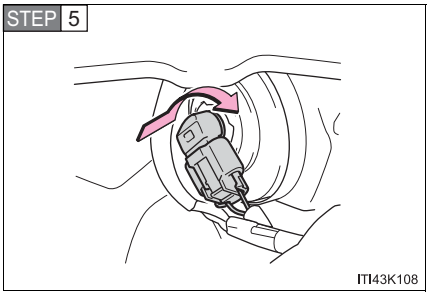


Unplug the bulb while depressing the lock release.



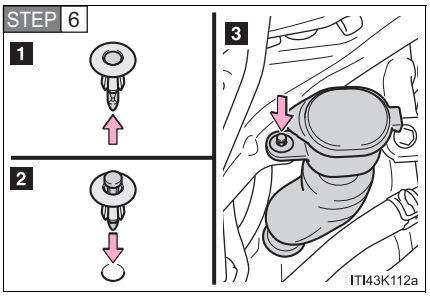
Replace the light bulb, and install the bulb base.

Align the 3 tabs on the light bulb with the mounting, and insert.



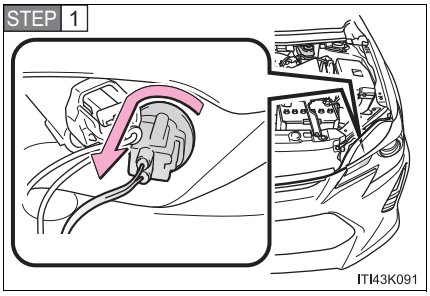
Turn and secure the bulb base.

Shake the bulb base gently to check that it is not loose, turn the headlights on once and visually confirm that no light is leaking through the mounting.

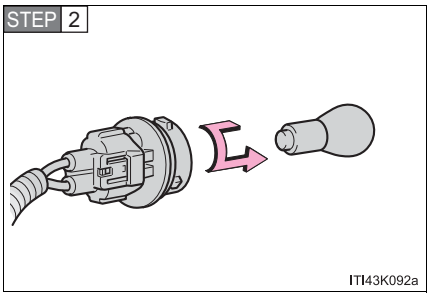


After replacing the bulbs, make sure to firmly install the washer fluid filler opener and secure it with the clip.

■ **Daytime running lights (Canada only) and front turn signal lights**

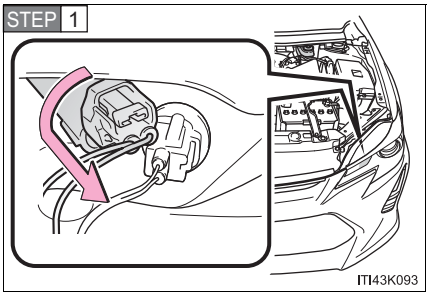


Turn the bulb base counterclockwise.

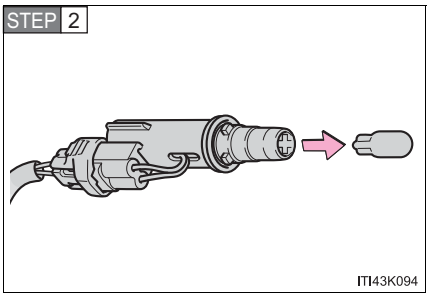


Unplug the bulb while depressing the lock release.

■ Parking lights



Turn the bulb base counterclockwise.

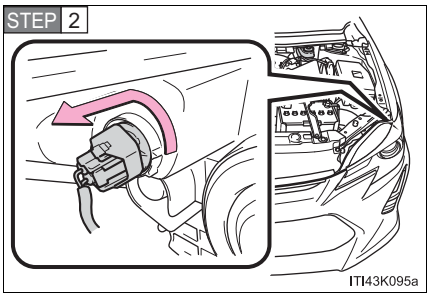


Remove the light bulb.

■ Front side marker lights

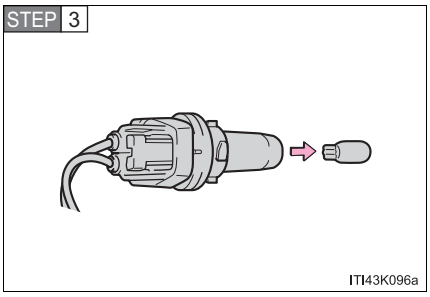
STEP 1 For easy access to the light bulbs, remove the securing clip and turn and pull off the washer fluid filler opener. (→P. 351)

STEP 2



Turn the bulb base counterclockwise.

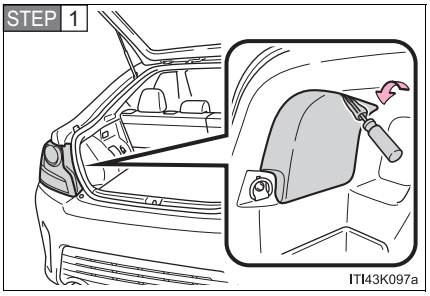
STEP 3



Remove the light bulb.

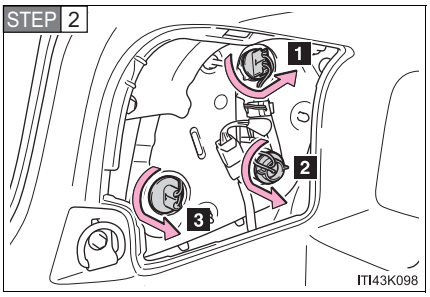
STEP 4 After replacing the bulbs, make sure to firmly install the washer fluid filler opener and secure it with the clip. (→P. 352)

Tail and rear side marker lights, rear turn signal lights and back-up lights



Open the back door and remove the cover.

To prevent damaging the vehicle, wrap the flathead screwdriver with a rag.

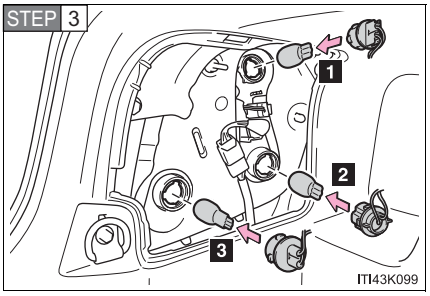


Turn the bulb base counterclockwise.

1 Tail and rear side marker light

2 Rear turn signal light

3 Back-up light



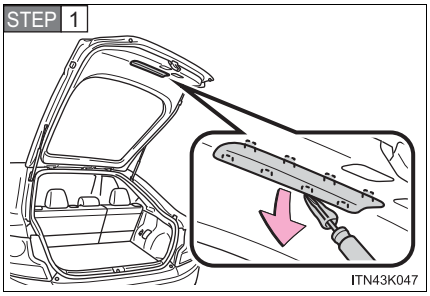
Remove the light bulb.

1 Tail and rear side marker light

2 Rear turn signal light

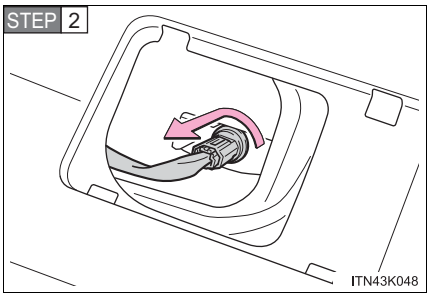
3 Back-up light

License plate lights

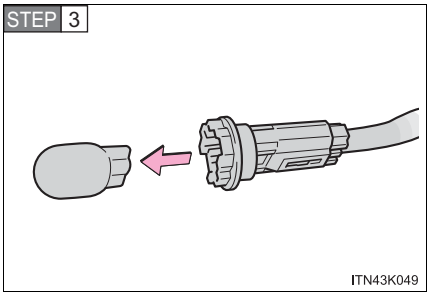


Open the back door and remove the cover.

To prevent damaging the vehicle, wrap the flathead screwdriver with a rag.



Turn the bulb base counterclockwise.



Remove the light bulb.

Lights other than the above

If any of the lights listed below has burn out, have it replaced by your Scion dealer.

- Accessory lights
- Side turn signal lights
- Stop lights
- High mounted stop light

LED lights

The accessory lights, side turn signal lights, stop lights and high mounted stoplight consist of a number of LEDs. If any of the LEDs burn out, take your vehicle to your Scion dealer to have the light replaced.

Condensation build-up on the inside of the lens

Temporary condensation build-up on the inside of the headlight lens does not indicate a malfunction.
Contact your Scion dealer for more information in the following situations.

- Large drops of water have built up on the inside of the lens.
- Water has built up inside the headlight.

CAUTION

■ **Replacing light bulbs**

- Turn off the lights. Do not attempt to replace the bulb immediately after turning off the lights.
  The bulbs become very hot and may cause burns.
- Do not touch the glass portion of the light bulb with bare hands. Hold the bulb by the plastic or metal portion.
  If the bulb is scratched or dropped, it may blow out or crack.
- Fully install light bulbs and any parts used to secure them. Failing to do so may result in heat damage, fire, or water entering the headlight unit. This may damage the headlights or cause condensation to build up on the lens.
- Do not attempt to take apart or repair the bulbs, connectors, power supply circuits, or related components.
  Doing so could result in electric shock and death or serious injury.

■ **To prevent damage or fire**

Make sure bulbs are fully seated and locked.

When trouble arises

5

5-1. Essential information

Emergency flashers 362

If your vehicle needs to be towed 363

If you think something is wrong 371

Fuel pump shut off system 372

5-2. Steps to take in an emergency

If a warning light turns on or a warning buzzer sounds... 373

If you have a flat tire..... 391

If the engine will not start..... 405

If the shift lever cannot be shifted from P (automatic transmission) 408

If you lose your keys 409

If the electronic key does not operate properly..... 410

If the vehicle battery is discharged..... 414

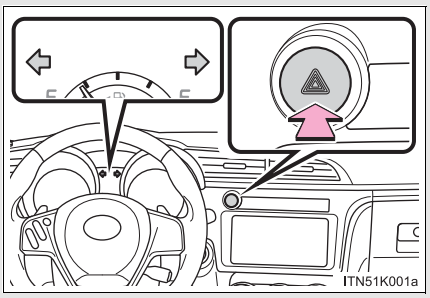
If your vehicle overheats 418

If the vehicle becomes stuck 421

If your vehicle has to be stopped in an emergency 423

Emergency flashers

The emergency flashers are used to warm other drivers when the vehicle has to be stopped in the road due to a breakdown, etc.



Press the switch.

All the turn signal lights will flash.
To turn them off, press the switch once again.

Emergency flashers

If the emergency flashers are used for a long time while the engine is not operating, the battery may discharge.

If your vehicle needs to be towed

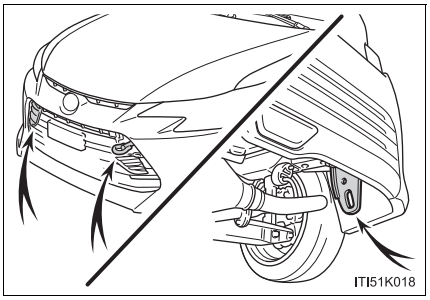
If towing is necessary, we recommend having your vehicle towed by your Scion dealer or a commercial towing service, using a lift-type truck or flatbed truck.
Use a safety chain system for all towing, and abide by all state/provincial and local laws.

Before towing

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

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

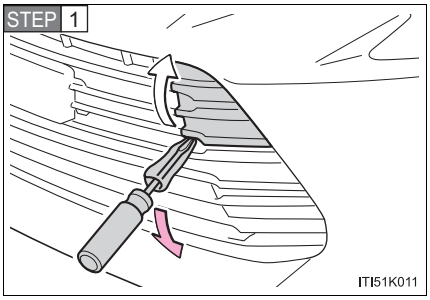
Emergency towing



If a tow truck is not available in an emergency, your vehicle may be temporarily towed using a cable or chain secured to the emergency towing eyelet(s). This should only be attempted on hard surfaced roads for short distances at low speeds.
A driver must be in the vehicle to steer and operate the brakes. The vehicle's wheels, drive train, axles, steering and brakes must be in good condition.

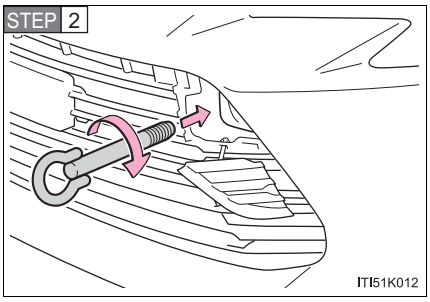
For vehicles with an automatic transmission, only the front towing eyelet may be used.

Installing towing eyelet

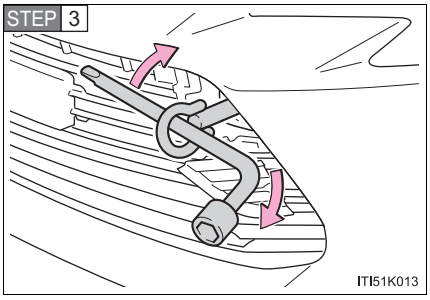


Remove the eyelet cover using a flathead screwdriver.

To protect the bodywork, place a rag between the screwdriver and the vehicle body as shown in the illustration.

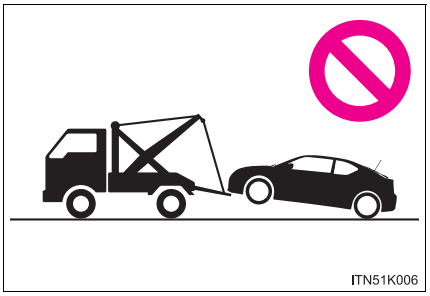


Insert the towing eyelet into the hole and tighten partially by hand.



Tighten down the towing eyelet securely using a wheel nut wrench.

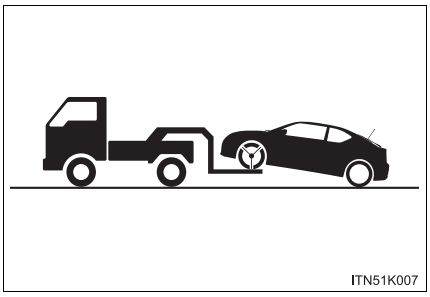
Towing with a sling-type truck



Do not tow with a sling-type truck to prevent body damage.

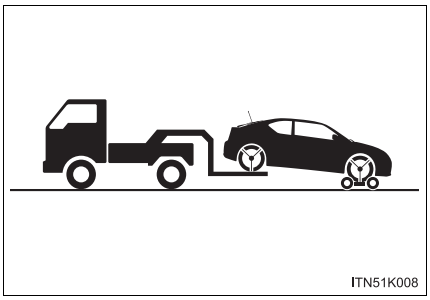
Towing with a wheel-lift type truck

From the front



Release the parking brake.

From the rear



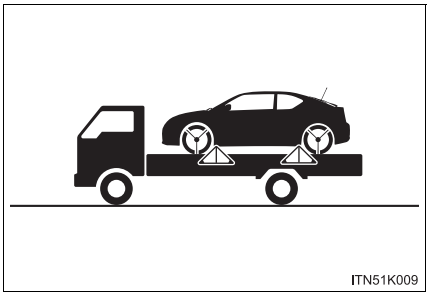
Vehicles with an automatic transmission: Use a towing dolly under the front wheels.

Vehicles with a manual transmission: We recommend using a towing dolly under the front wheels.

Vehicles without a smart key system: When not using a towing dolly, turn the engine switch to the “ACC” position and shift the shift lever to N.

Vehicles with a smart key system: When not using a towing dolly, turn the “ENGINE START STOP” switch to ACCESSORY mode and shift the shift lever to N.

Using a flatbed truck



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.

Before emergency towing

STEP 1 Release the parking brake.

STEP 2 Shift the shift lever to N.

STEP 3 Vehicles without a smart key system: Turn the engine switch to the “ACC” (engine off) or “ON” (engine running) position.
Vehicles with a smart key system: Turn the “ENGINE START STOP” switch to ACCESSORY (engine off) or IGNITION ON (engine running) mode.

Emergency towing eyelet location

→P. 391

CAUTION

■ Caution while towing

- Use extreme caution when towing the vehicle.
  Avoid sudden starts or erratic driving maneuvers which place excessive stress on the emergency towing eyelets and the cables or chains. Always be cautious of the surroundings and other vehicles while towing.
- Vehicles without a smart key system:
  Do not turn the engine switch to the “LOCK” position or remove the key.
  Vehicles with a smart key system:
  Do not turn the “ENGINE START STOP” switch off.
  Doing so will lock the steering wheel and prevent operation, possibly causing an accident and resulting in death or serious injury.
- If the engine is not running, the power assist for the brakes and steering will not function, making steering and braking more difficult.

■ Installing towing eyelet to the vehicle

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

NOTICE

■ **To prevent causing serious damage to the transmission when towing using a wheel-lift type truck (vehicles with an automatic transmission)**

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

■ **To prevent damage to the vehicle when towing using a wheel-lift type truck (vehicles with a manual transmission)**

- Vehicles without a smart key system: Do not tow the vehicle from the rear when the engine switch is in the “LOCK” position or the key is removed. The steering lock mechanism is not strong enough to hold the front wheels straight.
- Vehicles with a smart key system: Do not tow the vehicle from the rear when the “ENGINE START STOP” switch is off. The steering lock mechanism is not strong enough to hold the front wheels straight.
- When raising the vehicle, ensure adequate ground clearance for towing at the opposite end of the raised vehicle. Without adequate clearance, the vehicle could be damaged while being towed.

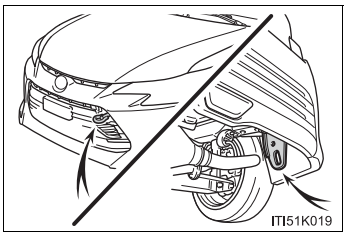
■ **To prevent body damage when towing with a sling-type truck**

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

■ **To prevent causing serious damage to the transmission in emergency towing (vehicles with an automatic transmission)**

Never tow a vehicle from the rear with four wheels on the ground. This may cause serious damage to the transmission.

■ **When transporting the vehicle**



To help enhance safety, install the towing eyelet into the front left hole.

If you notice any of the following symptoms, your vehicle probably needs adjustment or repair. Contact your Scion dealer as soon as possible.

Visible symptoms

- Fluid leaks under the vehicle
  (Water dripping from the air conditioning after use is normal.)
- Flat-looking tires or uneven tire wear
- High engine coolant temperature warning light flashes or comes on
- Low engine coolant temperature indicator comes on or does not come on continuously

Audible symptoms

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

Operational symptoms

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

Fuel pump shut off system

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

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

Vehicles without a smart key system

STEP 1 Turn the engine switch to the “ACC” or “LOCK” position.

STEP 2 Restart the engine.

Vehicles with a smart key system

STEP 1 Turn the “ENGINE START STOP” switch to ACCESSORY mode or turn it off.

STEP 2 Restart the engine.

NOTICE

Before starting the engine

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

Calmly perform the following actions if any of the warning lights comes on or flashes. If a light comes on or flashes, but then goes off, this does not necessarily indicate a malfunction in the system. However, if this continues to occur, have the vehicle inspected by your Scion dealer.

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

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

Warning light	Warning light/Details
BRAKE (U.S.A.) (Canada)	**Brake system warning light (warning buzzer)*** • Low brake fluid • Malfunction in the brake system This light also comes on when the parking brake is not released. If the light turns off after the parking brake is fully released, the system is operating normally.

*: 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 Scion dealer.

Warning light	Warning light/Details
	Charging system warning light Indicates a malfunction in the vehicle's charging system.
	Low engine oil pressure warning light Indicates that the engine oil pressure is too low.

Have the vehicle inspected by your Scion dealer immediately.

Failure to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Scion dealer immediately.

Warning light	Warning light/Details
CHECK (U.S.A.) (Canada)	**Malfunction indicator lamp** Indicates a malfunction in: • The electronic engine control system; • The electronic throttle control system; or • The electronic automatic transmission control system (if equipped).
	SRS warning light Indicates a malfunction in: • The SRS airbag system; • The front passenger occupant classification system; or • The seat belt pretensioner system.
ABS (U.S.A.) (Canada)	**ABS warning light** Indicates a malfunction in: • The ABS; or • The brake assist system.
	Slip indicator light Indicates a malfunction in: • Vehicle stability control; or • Traction control.

Warning light	Warning light/Details
	Electric power steering system warning light (warning buzzer) Indicates a malfunction in the EPS (Electric Power Steering) system.
(Flashes)	**Cruise control indicator light** Indicates a malfunction in the cruise control system.
A/T OIL TEMP	**Automatic transmission fluid temperature warning light (vehicles with an automatic transmission)** Indicates that the automatic transmission fluid temperature is too high.

Follow the correction procedures.

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

Warning light	Warning light/Details	Correction procedure
	Open door warning light (warning buzzer)*1 Indicates that a door is not fully closed.	Check that all the doors are closed.
	Low fuel level warning light Indicates remaining fuel is approximately 2.2 gal. (8.2 L, 1.8 Imp.gal.) or less.	Refuel the vehicle.
	Seat belt reminder light (warning buzzer)*2 Warns the driver and/or front passenger to fasten their seat belts.	Fasten the seat belt. If the front passenger's seat is occupied, the front passenger's seat belt also needs to be fastened to make the warning light (warning buzzer) off.
	High engine coolant temperature warning light Indicates that the engine is almost overheating.	→P. 418
(Canada)	**Low windshield washer fluid warning light** Indicates low level of washer fluid.	Fill the tank.

Warning light	Warning light/Details	Correction procedure
MAINT REQD (U.S.A.)	**Maintenance required reminder light** Indicates that maintenance is required according to the driven distance on the maintenance schedule.*3	
	Illuminates for about 3 seconds and then flashes for about 15 seconds approximately 4500 miles (7200 km) after the maintenance data has been reset.	If necessary, perform maintenance.
	Comes on and remains on if the distance driven exceeds 5000 miles (8000 km) after the maintenance data has been reset. (The indicator will not work properly unless the maintenance data has been reset.)	Perform the necessary maintenance. Please reset the maintenance data after the maintenance is performed. (→P. 282)

Warning light	Warning light/Details	Correction procedure
(U.S.A.)	**Tire pressure warning light**	
	When the light comes on: Low tire inflation pressure such as • Natural causes (→P. 385) • Flat tire (→P. 391)	Adjust the tire inflation pressure to the specified level. The light will turn off after a few minutes. In case the light does not turn off even if the tire inflation pressure is adjusted, have the system checked by your Scion dealer.
	When the light comes on after blinking for 1 minute: Malfunction in the tire pressure warning system. (→P. 387)	Have the system checked by your Scion dealer.

*1: Open door warning buzzer:

A buzzer will sound if the vehicle reaches a speed of 3 mph (5 km/h) or more with any door open.

*2: Driver's seat belt buzzer:

The driver's seat belt buzzer sounds to alert the driver that his or her seat belt is not fastened. Once the engine switch is turned to the "ON" or "START" position (vehicles without a smart key system), or the "ENGINE START STOP" switch is turned to IGNITION ON mode (vehicles with a smart key system), the buzzer sounds for 6 seconds. If the vehicle reaches a speed of 12 mph (20 km/h), the buzzer sounds intermittently for 10 seconds. Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

Front passenger's seat belt buzzer:

The front passenger's seat belt buzzer sounds to alert the front passenger that his or her seat belt is not fastened. The buzzer sounds intermittently for 10 seconds after the vehicle reaches a speed of 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: Refer to the separate "Scheduled Maintenance Guide" or "Owner's Manual Supplement" for the maintenance interval applicable to your vehicle.

Follow the correction procedures. (Vehicles with a smart key system)

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

Interior buzzer	Exterior buzzer	Warning light	Warning light/Details	Correction procedure
Once	—	(Remains on for 8 seconds.)	**Smart key system warning light** Indicates that the electronic key is not present when attempting to start the engine.	Confirm the location of the electronic key.

Interior buzzer	Exterior buzzer	Warning light	Warning light/Details	Correction procedure
Once	3 times		**Smart key system warning light** Indicates that a door other than the driver's door has been opened and closed with the "ENGINE START STOP" switch in any mode other than off and the electronic key has been taken out of the detection area.	Confirm the location of the electronic key.
			Smart key system warning light Vehicles with an automatic transmission only: Indicates that the driver's door has been opened and closed with the shift lever in P, the "ENGINE START STOP" switch in any mode other than off and the electronic key has been taken out of the detection area.	• Turn the "ENGINE START STOP" switch off. • Confirm the location of the electronic key.

Interior buzzer	Exterior buzzer	Warning light	Warning light/Details	Correction procedure
Once	Contin-uous		**Smart key system warning light** Vehicles with an automatic transmission only: Indicates that an attempt has been made to lock a door using the entry function with the shift lever in P, the “ENGINE START STOP” switch in any mode other than off, all doors closed and after the elec-tronic key has been taken out of the detection area.	• Turn the “ENGINE START STOP” switch off. • Confirm the location of the electronic key.
Contin-uous			**Smart key system warning light** Vehicles with an automatic transmission only: Indicates that the driver’s door has been opened and closed with the shift lever not in P, the “ENGINE START STOP” switch in any mode other than off and after the elec-tronic key has been taken out of the detection area.	• Shift the shift lever to P. • Confirm the location of the electronic key.

SRS warning light

This warning light system monitors the airbag sensor assembly, front airbag sensors, side impact sensors (front), side impact sensors (rear), side impact sensors (front door), driver's seat position sensor, driver's seat belt buckle switch, front passenger occupant classification system (ECU and sensors), "AIR BAG ON" indicator light, "AIR BAG OFF" indicator light, front passenger's seat belt buckle switch, seat belt pretensioners, airbags, interconnecting wiring and power sources. (→P. 108)

Front passenger detection sensor, passenger seat belt reminder and warning buzzer

- If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash and the warning buzzer to sound even if a passenger is not sitting in the seat.
- If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

Electric power steering system warning light (warning buzzer)

The electric power steering system warning light may come on and warning buzzer may sound when the voltage is low or drops.

If the malfunction indicator lamp comes on while driving

First check the following:

- Is the fuel tank empty?
  If it is, fill the fuel tank immediately.
- Is the fuel tank cap loose?
  If it is, tighten it securely.

The malfunction indicator lamp will go off after taking driving trips.
If the malfunction indicator lamp does not go off even after several trips, contact your Scion dealer as soon as possible.

■ **When the tire pressure warning light comes on (U.S.A. only)**

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

■ **The tire pressure warning light may come on due to natural causes (U.S.A. only)**

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

■ **When a tire is replaced with a spare tire (U.S.A. only)**

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

■ If the tire pressure warning system is not functioning (U.S.A. only)

The system will be disabled in the following conditions:
(When the condition becomes normal, the system will work properly.)

- If tires not equipped with tire pressure warning valves and transmitters are used.
- If the ID code on the tire pressure warning valves and transmitters is not registered in the tire pressure warning computer.
- If the tire inflation pressure is 73 psi (500 kPa, 5.1 kgf/cm^2 or bar) or higher.

The tire pressure warning system may be disabled in the following conditions:
(When the condition becomes normal, the system will work properly.)

- If electronic devices or facilities using similar radio wave frequencies are nearby.
- If a radio set at a similar frequency is in use in the vehicle.
- If a window tint that affects the radio wave signals is installed.
- If there is a lot of snow or ice on the vehicle, particularly around the wheels or wheel housings.
- If non-genuine Scion wheels are used. (Even if you use Scion wheels, the tire pressure warning system may not work properly with some types of tires.)
- If tire chains are used.

■ If the tire pressure warning light frequently comes on after blinking for 1 minute (U.S.A. only)

If the tire pressure warning light frequently comes on after blinking for 1 minute when the engine switch is turned to the “ON” position (vehicles without a smart key system), “ENGINE START STOP” switch is turned to IGNITION ON mode (vehicles with a smart key system), have it checked by your Scion dealer.

■ Customization that can be configured at Scion dealer

The vehicle speed linked seat belt reminder buzzer can be disabled. (Customizable features (→P. 455) However, Scion recommends that the seat belt reminder buzzer be operational to alert the driver and front passenger when seat belts are not fastened.

CAUTION

■ **When the electric power steering system warning light comes on**

The steering wheel may become extremely heavy.
If the steering wheel becomes heavier than usual when operating, hold firmly and operate using more force than usual.

■ **If the tire pressure warning light comes on (U.S.A. only)**

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

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

■ **If a blowout or sudden air leakage should occur (U.S.A. only)**

The tire pressure warning system may not activate immediately.

CAUTION

Maintenance of the tires (U.S.A. only)

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

Precaution when installing a different tire (U.S.A. only)

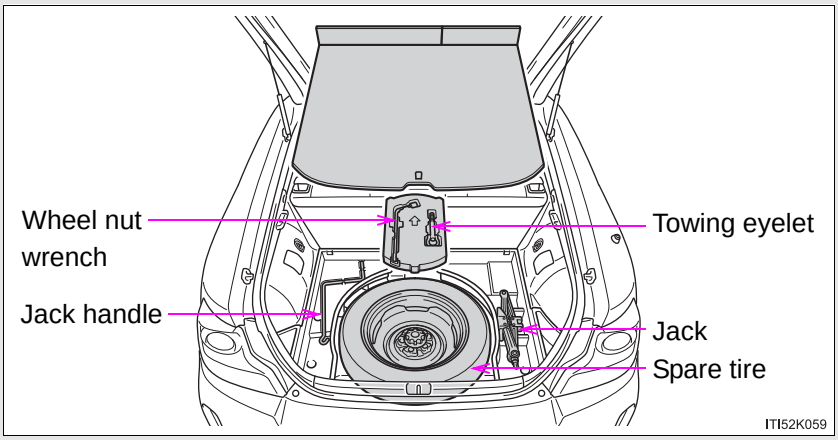
When a tire of a different specification or maker is installed, the tire pressure warning system may not operate properly.

Remove the flat tire and replace it with the spare tire provided.

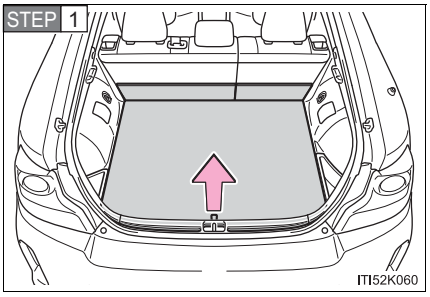
Before jacking up the vehicle

- Stop the vehicle on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P (automatic transmission) or R (manual transmission).
- Stop the engine.
- Turn on the emergency flashers.

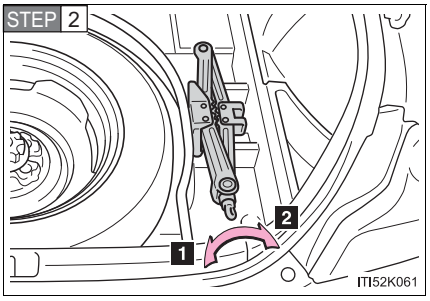
Location of the spare tire, jack and tools



Taking out the jack



Remove the luggage mat.



Take out the jack.

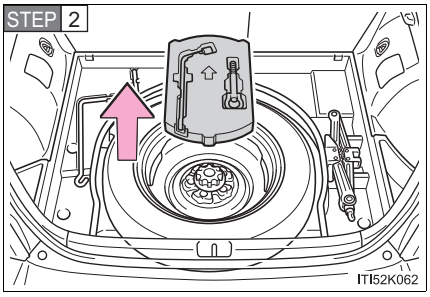
1 For loosening

2 For tightening

Taking out the spare tire

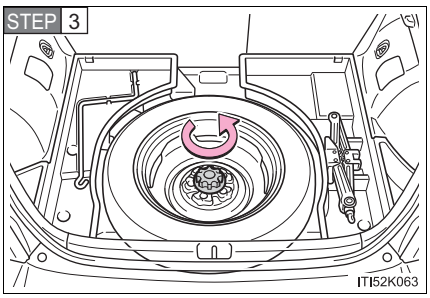
STEP 1 Remove the luggage mat. (→P. 392)

STEP 2



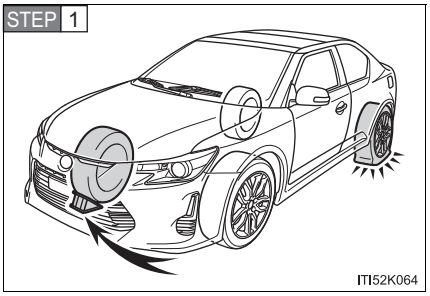
Remove the tool tray.

STEP 3



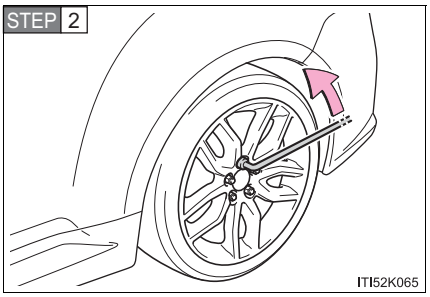
Loosen the center fastener that secures the spare tire.

Replacing a flat tire

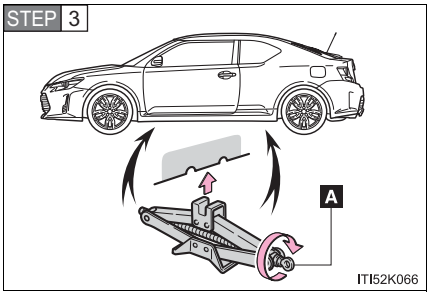


Chock the tires.

Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire

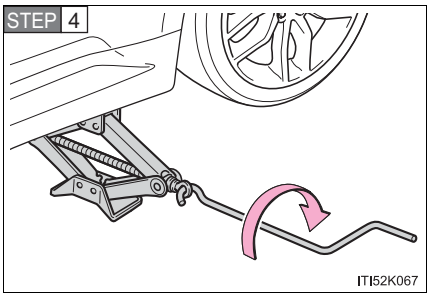


Slightly loosen the wheel nuts (one turn).

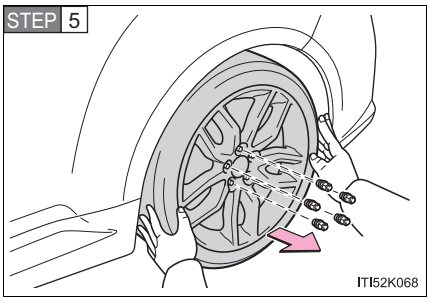


Turn the tire jack portion “A” by hand until the notch of the jack is in contact with the jack point.

The jack point guides are located under the rocker panel. They indicate the jack point positions.



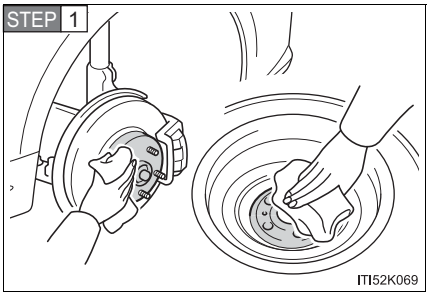
Raise the vehicle until the tire is slightly raised off the ground.



Remove all the wheel nuts and the tire.

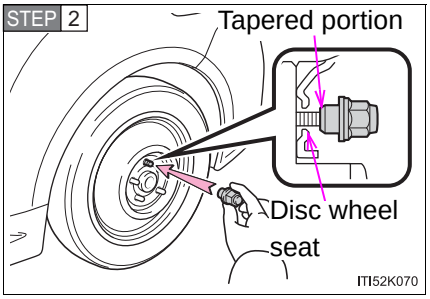
When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.

Installing the spare tire



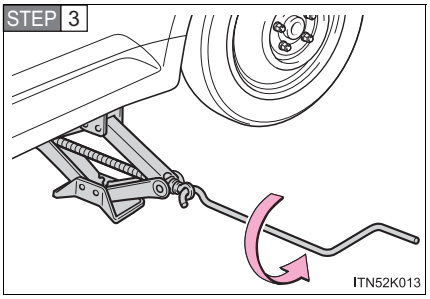
Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, causing the tire to come off.



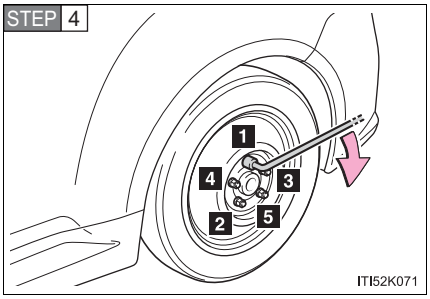
Install the spare tire and loosely tighten each wheel nut by hand by approximately the same amount.

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



Lower the vehicle.

STEP 4



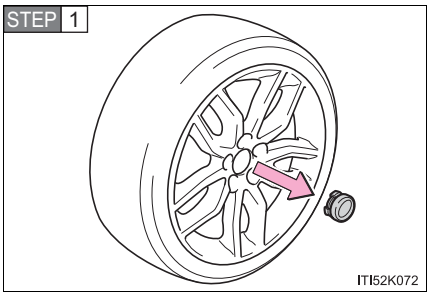
Firmly tighten each wheel nut two or three times in the order shown in the illustration.

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

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

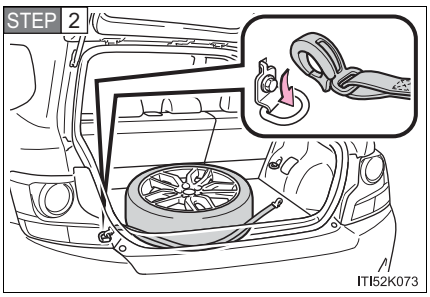
Stowing the flat tire

STEP 1

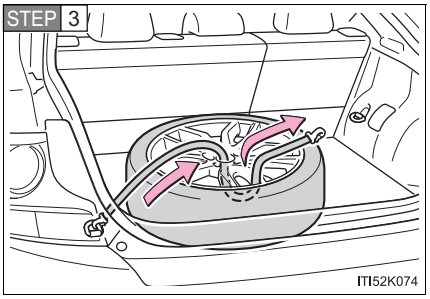


Before stowing the flat tire, remove the center wheel ornament by pushing from the reverse side.

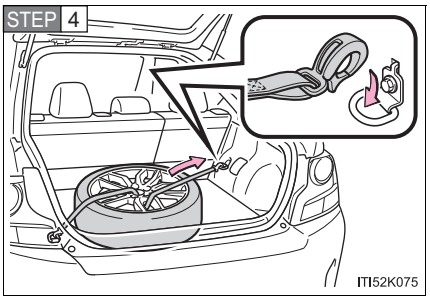
STEP 2



Put the flat tire on the center of the luggage mat with the outer side of the wheel facing up. Hook the end of the belt to either rear cargo hook.

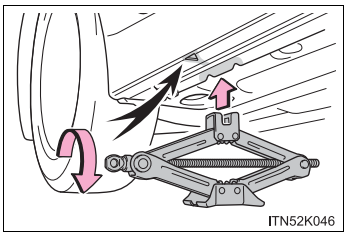


Pass the belts from between the wheel spokes through the center hole of the wheel.



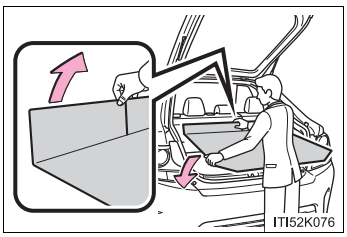
Hook the other end of the belt to the front cargo hook located diagonally to the used rear hook.

Jack point guide



The jack point guides are located under the rocker panel. They indicate the jack point positions.

When storing the luggage mat



Hold the luggage mat as shown.

■The compact spare tire

- The compact spare tire is identified by the label “TEMPORARY USE ONLY” on the tire sidewall.
  Use the compact spare tire temporarily, and only in an emergency.
- Make sure to check the tire inflation pressure of the compact spare tire. (→P. 435)

■After completing the tire change (U.S.A. only)

The tire pressure warning system must be reset. (→P. 315)

■When using the compact spare tire (U.S.A. only)

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

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

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

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

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

STEP 3 Fit tire chains to the front tires.

CAUTION

■ **When using the compact spare tire**

- Remember that the compact spare tire provided is specifically designed for use with your vehicle. Do not use your compact spare tire on another vehicle.
- Do not use more than one compact spare tire simultaneously.
- Replace the compact spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, abrupt steering, sudden braking and shifting operations that cause sudden engine braking.

■ **When storing the compact spare tire**

Be careful not to catch fingers or other body parts between the compact spare tire and the body of the vehicle.

■ **When the compact spare tire is attached**

The vehicle speed may not be correctly detected, and the following systems may not operate correctly:

- ABS & Brake assist
- VSC
- TRAC
- Cruise control

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

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

The compact spare tire is not designed for driving at high speeds. Failure to observe this precaution may lead to an accident causing death or serious injury.

CAUTION

Using the tire jack

Improper use of the tire jack may cause the vehicle to suddenly fall off the jack, leading to death or serious injury.

- Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
- Only use the tire jack that comes with this vehicle for replacing a flat tire.
  Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Always check that the tire jack is securely set to the jack point.
- Do not put any part of your body under the vehicle while it is supported by the jack.
- Do not start or run the engine while your vehicle is supported by the jack.
- Do not raise the vehicle while someone is inside.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.

Take particular care when lowering the vehicle to ensure that no one working on or near the vehicle may be injured.

CAUTION

■ **Replacing a flat tire**

Observe the following precautions to reduce the risk of death or serious injury:

- Do not touch the disc wheels or the area around the brakes immediately after the vehicle has been driven.
  After the vehicle has been driven the disc wheels and the area around the brakes will be extremely hot. Touching these areas with hands, feet or other body parts while changing a tire, etc. may result in burns.
- Failure to follow these precautions could cause the wheel nuts to loosen and the tire to fall off, resulting in death or serious injury.
  - Have the wheel nuts tightened with a torque wrench to 76 ft•lbf (103 N•m, 10.5 kgf•m) as soon as possible after changing wheels.
  - When installing a tire, only use wheel nuts that have been specifically designed for that wheel.
  - If there are any cracks or deformations in the bolt screws, nut threads or bolt holes of the wheel, have the vehicle inspected by your Scion dealer.
  - When installing the wheel nuts, be sure to install the wheel nuts with the tapered end facing inward. (→P. 330)

■ **After using the tools and jack**

Before driving, make sure all the tools and jack are securely in place in their storage location to reduce the possibility of personal injury during a collision or sudden braking.

■ **When stowing the flat tire**

- Make sure the rear seats are in their original position.
- Secure it using a tire tie-down belt. Otherwise, the flat tire may fly out in case of the sudden braking or an accident, resulting in death or serious injury.

NOTICE

■Do not drive the vehicle with a flat tire

Do not continue driving with a flat tire.
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair.

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

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

■Driving with tire chains and the compact spare tire

Do not fit tire chains to the compact spare tire.
Tire chains may damage the vehicle body and adversely affect driving performance.

■When replacing the tires (U.S.A. only)

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

■To avoid damage to the tire pressure warning valves and transmitters (U.S.A. only)

When a tire is repaired with liquid sealants, the tire pressure warning valve and transmitter may not operate properly. If a liquid sealant is used, contact your Scion dealer or other qualified service shop as soon as possible. Make sure to replace the tire pressure warning valve and transmitter when replacing the tire. (→P. 315)

If the engine will not start even though correct starting procedures are being followed (→P. 165, 169), consider each of the following points:

■ **The engine will not start even though the starter motor operates normally.**

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

- There may not be sufficient fuel in the vehicle's tank.
  Refuel the vehicle.
- The engine may be flooded.
  Try to restart the engine again following correct starting procedures. (→P. 165, 169)
- There may be a malfunction in the engine immobilizer system. (→P. 102)

■ **The starter motor turns over slowly, the interior lights and headlights are dim, or the horn does not sound or sounds at a low volume.**

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

- The battery may be discharged. (→P. 414)
- The battery terminal connections may be loose or corroded.

■ **The starter motor does not turn over (vehicles with a smart key system)**

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. 407)

■ **The starter motor does not turn over, the interior lights and headlights do not turn on, or the horn does not sound.**

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

- One or both of the battery terminals may be disconnected.
- The battery may be discharged. (→P. 414)
- There may be a malfunction in the steering lock system (vehicles with a smart key system).

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

Emergency start function (vehicles with a smart key system)

When the engine does not start, the following steps can be used as an interim measure to start the engine if the “ENGINE START STOP” switch is functioning normally:

STEP 1 Set the parking brake.

STEP 2 Shift the shift lever to P (automatic transmission) or N (manual transmission).

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

STEP 4 Press and hold the “ENGINE START STOP” switch for about 15 seconds while depressing the brake pedal (automatic transmission) or brake and clutch pedals (manual transmission) firmly.

Even if the engine can be started using the above steps, the system may be malfunctioning. Have the vehicle inspected by your Scion dealer.

If the shift lever cannot be shifted from P (automatic transmission)

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

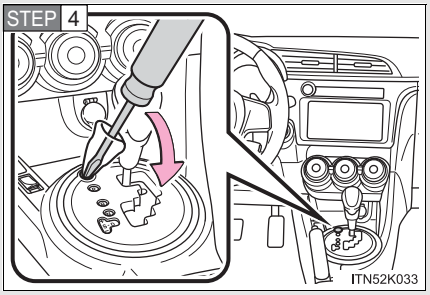
The following steps may be used as an emergency measure to ensure that the shift lever can be shifted:

STEP 1 Set the parking brake.

STEP 2 Vehicles without a smart key system:
Turn the engine switch to the “ACC” position.
Vehicles with a smart key system:
Turn the “ENGINE START STOP” switch to ACCESSORY mode.

STEP 3 Depress the brake pedal.

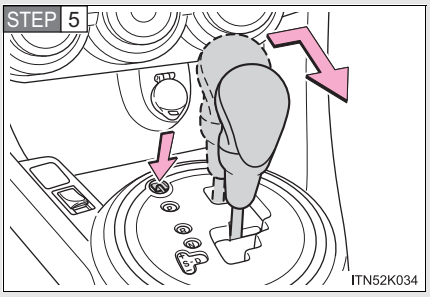
STEP 4



Pry the cover up with a flat-head screwdriver or equivalent tool.

To prevent damage to the cover, cover the tip of the screwdriver with a rag.

STEP 5



Press the shift lock override button.

The shift lever can be shifted while the button is pressed.

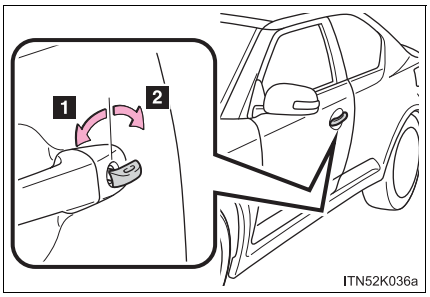
If you lose your keys

New genuine Scion keys can be made by your Scion dealer using the other key and the key number stamped on your key number plate.

If the electronic key does not operate properly*

For vehicles with a smart key system: If communication between the electronic key and vehicle is interrupted (→P. 30) 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



Using the mechanical key (→P. 27) in order to perform the following operations:

1 Locks all the doors

2 Unlocks all the doors

Turning the key rearward unlocks the driver's door. Turning the key once again unlocks the other doors.

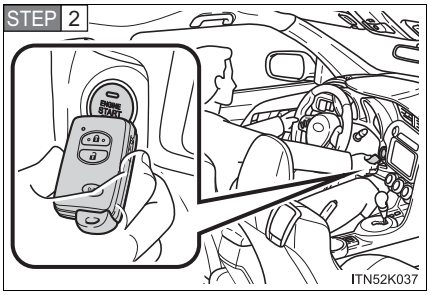
*: If equipped

Starting the engine

Automatic transmission

STEP 1 Ensure that the shift lever is in P and depress the brake pedal.

STEP 2



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

If any of the doors is opened or closed while the key is being touched to the switch, an alarm will sound to indicate that the start function cannot detect the key.

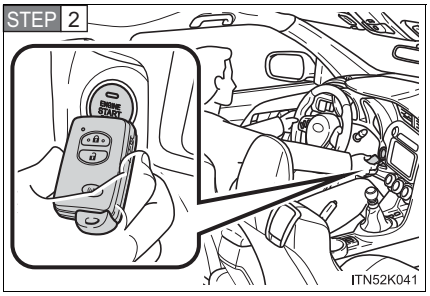
STEP 3 Press the “ENGINE START STOP” switch within 10 seconds of the buzzer sounding, keeping the brake pedal depressed.

In the event that the “ENGINE START STOP” switch still cannot be operated, contact your Scion dealer.

Manual transmission

STEP 1 Shift the shift lever to N and depress the clutch pedal.

STEP 2



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

If any of the doors is opened or closed while the key is being touched to the switch, an alarm will sound to indicate that the start function cannot detect the key.

STEP 3 Press the “ENGINE START STOP” switch within 10 seconds of the buzzer sounding, keeping the clutch pedal depressed.

In the event that the “ENGINE START STOP” switch still cannot be operated, contact your Scion dealer.

■ **Stopping the engine**

Shift the shift lever to P (automatic transmission) or N (manual transmission) and press the “ENGINE START STOP” switch as you normally do when stopping the engine.

■ **Replacing the key battery**

As the above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery is depleted. (→P. 333)

■ **Changing “ENGINE START STOP” switch modes**

Automatic transmission

Within 10 seconds of the buzzer sounding, release the brake pedal and press the “ENGINE START STOP” switch.

The engine does not start and modes will be changed each time the switch is pressed. (→P. 172)

Manual transmission

Within 10 seconds of the buzzer sounding, release the clutch pedal and press the “ENGINE START STOP” switch.

The engine does not start and modes will be changed each time the switch is pressed. (→P. 172)

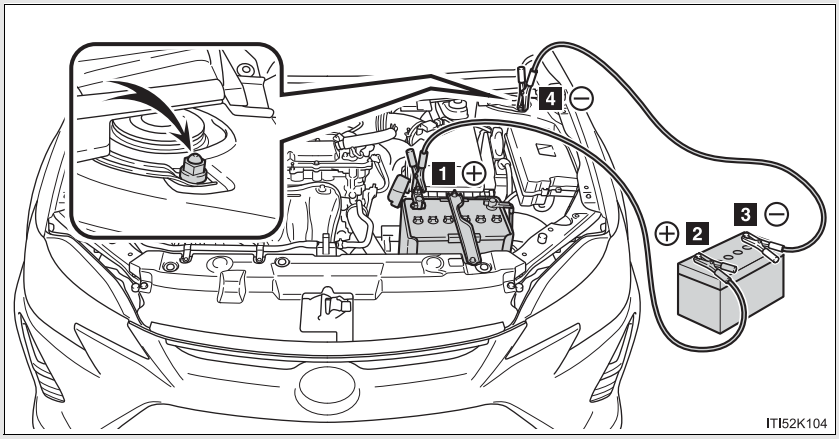
If the vehicle battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.
You can also call your Scion dealer or a qualified repair shop.

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your vehicle by following the steps below.

STEP 1 Open the hood. (→P. 294)

STEP 2 Connect the jumper cables according to the following procedure:



1 Connect a positive jumper cable clamp to the positive (+) battery terminal on your vehicle.

2 Connect the clamp on the other end of the positive cable to the positive (+) battery terminal on the second vehicle.

3 Connect a negative cable clamp to the negative (-) battery terminal on the second vehicle.

4 Connect the clamp at the other end of the negative cable to a solid, stationary, unpainted metallic point away from the battery and any moving parts, as shown in the illustration.

STEP 3 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the battery of your vehicle.

STEP 4 Vehicles with a smart key system only: Open and close any of the doors of your vehicle with the “ENGINE START STOP” switch off.

STEP 5 Maintain the engine speed of the second vehicle and start the engine of your vehicle by turning the engine switch to the “ON” position (vehicles without a smart key system) or turning the “ENGINE START STOP” switch to IGNITION ON mode (vehicles with a smart key system).

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

Once the engine starts, have the vehicle inspected at your Scion dealer as soon as possible.

■ **Starting the engine when the battery is discharged (vehicles with an automatic transmission)**

The engine cannot be started by push-starting.

■ **To prevent battery discharge**

- Turn off the headlights and the audio system while the engine is off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic.

Charging the battery

The electricity stored in the battery will discharge gradually even when the vehicle is not in use, due to natural discharge and the draining effects of certain electrical appliances. If the vehicle is left for a long time, the battery may discharge, and the engine may be unable to start. (The battery recharges automatically during driving.)

CAUTION

Avoiding battery fires or explosions

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

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

CAUTION

■ Battery precautions

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

- When working with the battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention. Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- Do not allow children near the battery.

■ To prevent damage to the vehicle (vehicles with a manual transmission)

Do not pull- or push-start the vehicle as the three-way catalytic converter may overheat and become a fire hazard.

NOTICE

■ When handling jumper cables

When connecting the jumper cables, ensure that they do not become entangled in the cooling fans or belt.

If your vehicle overheats

The following may indicate that your vehicle is overheating.

- The high engine coolant temperature warning light (→P. 377) comes on or flashes, or a loss of engine power is experienced. (For example, the vehicle speed does not increase.)
- Steam is coming from under the hood.

Correction procedures

STEP 1 Stop the vehicle in a safe place and turn off the air conditioning system, and then stop the engine.

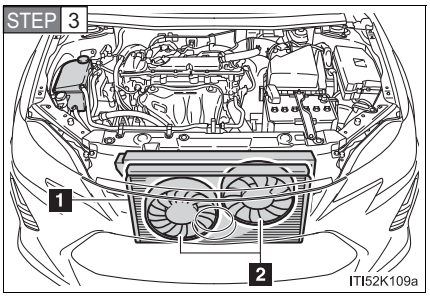
STEP 2 If you see steam:

Carefully lift the hood after the steam subsides.

If you do not see steam:

Carefully lift the hood.

STEP 3



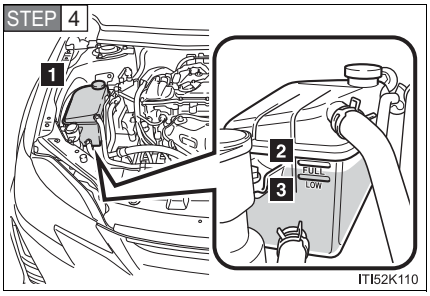
After the engine has cooled down sufficiently, inspect the hoses and radiator core (radiator) for any leaks.

1 Radiator

2 Cooling fans

If a large amount of coolant leaks, immediately contact your Scion dealer.

STEP 4



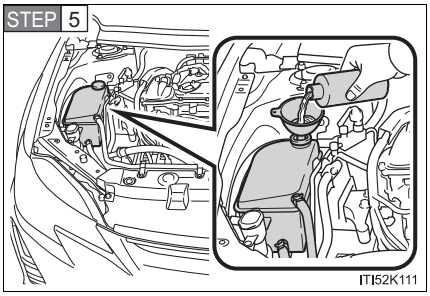
The coolant level is satisfactory if it is between the “FULL” and “LOW” lines on the reservoir.

1 Reservoir

2 “FULL”

3 “LOW”

STEP 5



Add coolant if necessary.

Water can be used in an emergency if coolant is unavailable.

STEP 6 Start the engine and turn the air conditioning system on to check that the radiator cooling fans operate and to check for coolant leaks from the radiator or hoses.

The fans operate when the air conditioning system is turned on immediately after a cold start. Confirm that the fans are operating by checking the fan sound and air flow. If it is difficult to check these, turn the air conditioning system on and off repeatedly. (The fans may not operate in freezing temperatures.)

STEP 7 If the fans are not operating:

Stop the engine immediately and contact your Scion dealer.

If the fans are operating:

Have the vehicle inspected at the nearest Scion dealer.

CAUTION

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

- If steam is seen coming from under the hood, do not open the hood until the steam has subsided. The engine compartment may be very hot, causing serious injury such as burns.
- Keep hands and clothing (especially a tie, a scarf or a muffler) away from the fans and belts. Failure to do so may cause the hands or clothing to be caught, resulting in serious injury.
- Do not loosen the coolant reservoir cap while the engine and radiator are hot.
  Serious injury, such as burns, may result from hot coolant and steam released under pressure.

NOTICE

When adding engine coolant

Wait until the engine has cooled down before adding engine coolant.
When adding coolant, do so slowly. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

To prevent damage to the cooling system

Observe the following precautions:

- Avoid contaminating the coolant with foreign matter (such as sand or dust etc.).
- Do not use commercially available coolant additives.

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt or snow:

STEP 1 Stop the engine. Set the parking brake and shift the shift lever to P (automatic transmission) or N (manual transmission).

STEP 2 Remove the mud, snow or sand from around the stuck tire.

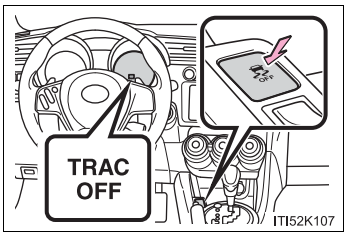
STEP 3 Place wood, stones or some other material under the tires to help provide traction.

STEP 4 Restart the engine.

STEP 5 Shift the shift lever to the D or R position (automatic transmission) or 1 or R position (manual transmission) and release the parking brake. Then, while exercising caution, depress the accelerator pedal.

■ When it is difficult to free the vehicle

Turn off TRAC and/or VSC if these functions are hampering your attempts to free the vehicle. (→P. 216)



Press to turn off TRAC.

CAUTION

When attempting to free a stuck vehicle

If you choose to push the vehicle back and forth to free it, make sure the surrounding area is clear to avoid striking other vehicles, objects or people. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

When shifting the shift lever (vehicles with an automatic transmission)

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

NOTICE

To avoid damage to the transmission and other components

- Avoid spinning the wheels and depressing the accelerator pedal more than necessary.
- If the vehicle remains stuck even after these procedures are performed, the vehicle may require towing to be freed.

If your vehicle has to be stopped in an emergency

Only in an emergency, such as if it becomes impossible to stop the vehicle in the normal way, stop the vehicle using the following procedure:

STEP 1 Steadily step on the brake pedal with both feet and firmly depress it.

Do not pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.

STEP 2 Shift the shift lever to N.

If the shift lever is shifted to N

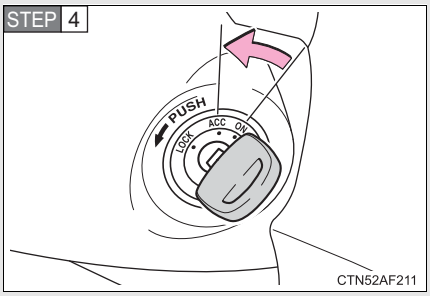
STEP 3 After slowing down, stop the vehicle in a safe place by the road.

STEP 4 Stop the engine.

If the shift lever cannot be shifted to N

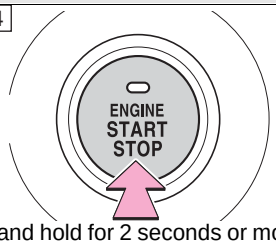
STEP 3 Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.

STEP 4



Vehicles without a smart key system: Stop the engine by turning the engine switch to the “ACC” position.

STEP 4



Press and hold for 2 seconds or more, or press briefly 3 times or more

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Vehicles with a smart key system: To stop the engine, press and hold the “ENGINE START STOP” switch for 2 consecutive seconds or more, or press it briefly 3 times or more in succession.

STEP 5 Stop the vehicle in a safe place by the road.

CAUTION

■ If the engine has to be turned off while driving

- Power assist for the brakes and steering wheel will be lost, making the brake pedal harder to depress and the steering wheel heavier to turn. Decelerate as much as possible before turning off the engine.
- Vehicles without a smart key system: Never attempt to remove the key, as doing so will lock the steering wheel.

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tC_OM_OM21053U_(U)

Dimensions and weight

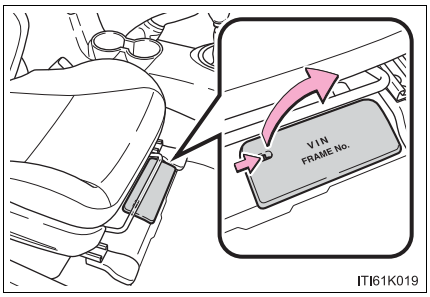
Overall length		176.6 in. (4485 mm)
Overall width		70.7 in. (1795 mm)
Overall height*		55.7 in. (1415 mm)
Wheelbase		106.3 in. (2700 mm)
Tread	Front	60.6 in. (1540 mm)
	Rear	61.4 in. (1560 mm)
Vehicle capacity weight (occupants + luggage)		865 lb. (390 kg)

*: Unladen vehicles

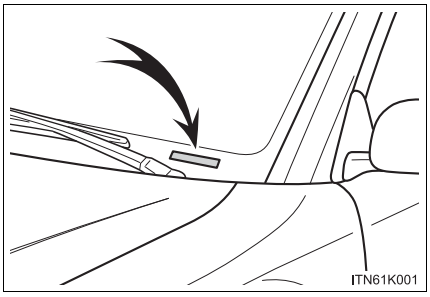
Vehicle identification

Vehicle identification number

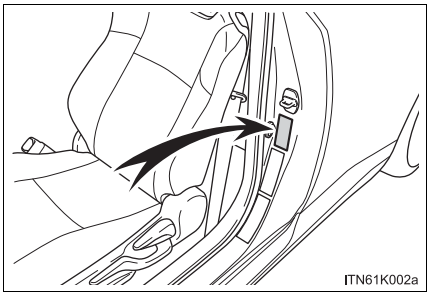
The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Scion. It is used in registering the ownership of your vehicle.



This number is stamped under the passenger seat.

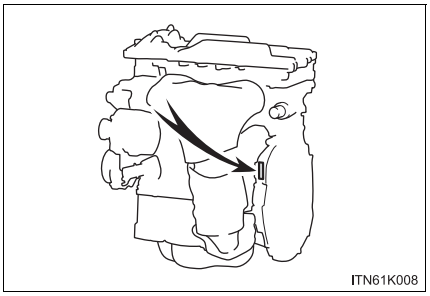


This number is stamped on the top left of the instrument panel.



This number is also on the Certification Label on the driver's side center pillar.

Engine number



The engine number is stamped on the engine block as shown.

Engine

Model	2.5 L 4-cylinder (2AR-FE)
Type	4 cylinder in line, 4 cycle, gasoline
Bore and stroke	3.54 × 3.86 in. (90.0 × 98.0 mm)
Displacement	152.2 cu.in. (2494 cm^3)
Drive belt tension	Automatic adjustment
Valve clearance	

Fuel

Fuel type	Unleaded gasoline only
Octane rating	87 (Research Octane Number 91) or higher
Fuel tank capacity (reference)	14.5 gal. (55 L, 12.1 Imp.gal.)

Lubrication system

Oil capacity (Drain and refill — reference*)	
With filter	4.6 qt. (4.4 L, 3.9 Imp.qt.)
Without filter	4.2 qt. (4.0 L, 3.5 Imp.qt.)

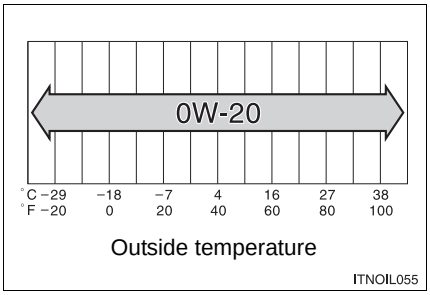
*: The engine oil capacity is a reference quantity to be used when changing the engine oil. Warm up and turn off the engine, wait more than 5 minutes, and check the oil level on the dipstick.

■ Engine oil selection

“Toyota Genuine Motor Oil” is used in your Scion vehicle. Use Scion approved “Toyota Genuine Motor Oil” or equivalent to satisfy the following grade and viscosity.

Oil grade: ILSAC GF-5 multigrade engine oil

Recommended viscosity: SAE 0W-20



SAE 0W-20 is the best choice for good fuel economy and good starting in cold weather.

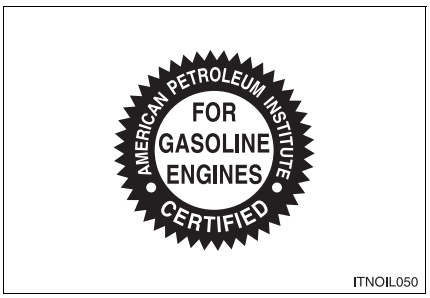
If SAE 0W-20 is not available, SAE 5W-20 oil may be used. However, it must be replaced with SAE 0W-20 at the next oil change.

Oil viscosity (0W-20 is explained here as an example):

- The 0W in 0W-20 indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 20 in 0W-20 indicates the viscosity characteristic of the oil when the oil is at high temperature. An oil with a higher viscosity (one with a higher value) may be better suited if the vehicle is operated at high speeds, or under extreme load conditions.

How to read oil container label:

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



Cooling system

Capacity	Vehicles with an automatic transmission: 6.0 qt. (5.7 L, 5.0 Imp.qt.) Vehicles with a manual transmission: 6.1 qt. (5.8 L, 5.1 Imp.qt.)
Coolant type	Use either of the following: • “Toyota Super Long Life Coolant” • A similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.

Ignition system

Spark plug	
Make	DENSO SK16HR11
Gap	0.043 in. (1.1 mm)

NOTICE

Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust the spark plug gap.

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 checked 20 minutes after the engine and all the lights turned off)
Charging rates	5 A max.

Automatic transaxle

Fluid capacity*	6.9 qt. (6.5 L, 5.7 Imp.qt.)
Fluid type	Toyota Genuine ATF WS

*: The fluid capacity is a reference quantity. If replacement is necessary, contact your Scion dealer.

NOTICE

Transmission fluid type

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

Manual transmission

Gear oil capacity (reference)	2.4 qt. (2.3 L, 2.0 Imp.qt.)
Gear oil type	Use either of the following: • “TOYOTA Genuine Manual Transmission Gear Oil LV” • Other gear oil that meets API GL-4 and SAE 75W specifications

NOTICE

Manual transmission gear oil

Please be aware that depending on the particular characteristics of the gear oil used or the operating conditions, idle sound, shift feeling and/or fuel efficiency may be different or affected. Scion recommends to use “TOYOTA Genuine Manual Transmission Gear Oil LV” to achieve optimal performance.

Clutch

Pedal free play	0.2 — 0.6 in. (5 — 15 mm)
Fluid type	SAE J1703 or FMVSS No.116 DOT 3

Brakes

Pedal clearance*1	3.86 in. (98.0 mm)
Pedal free play	0.04 — 0.24 in. (1 — 6 mm)
Brake pad wear limit	0.04 in. (1.0 mm)
Parking brake lever travel*2	5 — 8 clicks
Fluid type	SAE J1703 or FMVSS No.116 DOT 3

*1: Minimum pedal clearance when depressed with a force of 67.5 lbf (300 N, 30.6 kgf) while the engine is running

*2: Parking brake lever travel when pulled up with a force of 45 lbf (200 N, 20 kgf)

Steering

Free play	Less than 1.2 in. (30 mm)

Tires and wheels

Full-size tire

Tire size	P225/45R18 91W
Tire inflation pressure (Recommended cold tire inflation pressure)	Front: 33 psi (230 kPa, 2.3 kgf/cm^2 or bar) Rear: 30 psi (210 kPa, 2.1 kgf/cm^2 or bar)
Wheel size	18 x 7 1/2J
Wheel nut torque	76 ft•lbf (103 N•m, 10.5 kgf•m)

Compact spare tire

Tire size	T145/80D16 105M
Tire inflation pressure (Recommended cold tire inflation pressure)	60 psi (420 kPa, 4.2 kgf/cm^2 or bar)
Wheel size	16 x 4T
Wheel nut torque	76 ft.lbf (103 N.m, 10.5 kgf.m)

Light bulbs

	Light bulbs	Bulb No.	W	Type
Exterior	Headlights	—	55	A
	Front turn signal lights/ daytime running lights*	1156NA	27	B
	Parking lights	—	5	C
	Front side marker lights	—	5	C
	Rear turn signal lights	—	21	D
	Tail lights and rear side marker lights	—	5	C
	Back-up lights	921	16	C
	License plate lights	—	5	C
Interior	Front interior lights	—	5	C
	Rear interior light	—	8	E
	Luggage compartment light	—	5	E

A: HIR2 halogen bulbs
B: Single end bulbs (amber)
C: Wedge base bulbs (clear)
D: Wedge base bulbs (amber)
E: Double end bulbs
*: Canada only

Fuel information

You must only use unleaded gasoline in your vehicle.
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. and CGSB3.5-M93 in Canada.

Fuel tank opening for unleaded gasoline

To help prevent incorrect fueling, your vehicle has a fuel tank opening that only accommodates the special nozzle on unleaded fuel pumps.

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 Scion dealer.

■ **Gasoline quality standards**

- Automotive manufacturers in the U.S.A., Europe and Japan have developed a specification for fuel quality called World-Wide Fuel Charter (WWFC), which is expected to be applied worldwide.
- The WWFC consists of four categories that are based on required emission levels. In the U.S., category 4 has been adopted.
- The WWFC improves air quality by lowering emissions in vehicle fleets, and improves customer satisfaction through better performance.

■ **Recommendation of the use of gasoline containing detergent additives**

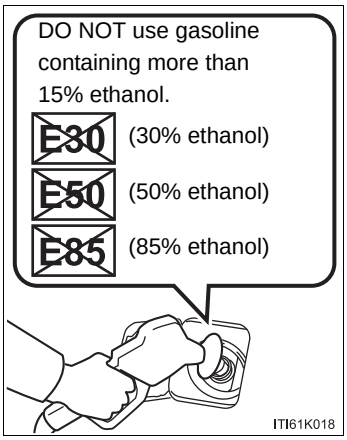
- Scion recommends the use of gasoline that contains detergent additives to avoid build-up of engine deposits.
- All gasoline sold in the U.S.A. contains minimum detergent additives to clean and/or keep clean intake systems, per EPA's lowest additives concentration program.
- Scion strongly recommends the use of Top Tier Detergent Gasoline. For more information on Top Tier Detergent Gasoline and a list of marketers, please go to the official website www.toptiergas.com.

■ **Recommendation of 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.

Scion 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.

■ **Non-recommendation of the use of blended gasoline**



- Use only gasoline containing up to 15% ethanol.
  DO NOT use any flex-fuel or gasoline that could contain more than 15% ethanol, including from any pump labeled E30, E50, E85 (which are only some examples of fuel containing more than 15% ethanol).
- If you use gasohol in your vehicle, be sure that it has an octane rating no lower than 87.
- Scion does not recommend the use of gasoline containing methanol.

■ **Non-recommendation of the use of gasoline containing MMT**

Some gasoline contains octane enhancing additive called MMT (Methylcyclopentadienyl Manganese Tricarbonyl).

Scion 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 Scion dealer for service.

■ **If your engine knocks**

- Consult your Scion dealer.
- You may occasionally notice light knocking for a short time while accelerating or driving uphill. This is normal and there is no need for concern.

NOTICE

Notice on fuel quality

- Do not use improper fuels. If improper fuels are used, the engine will be damaged.
- Do not use leaded gasoline.
  Leaded gasoline can cause damage to your vehicle's three-way catalytic converters causing the emission control system to malfunction.
- Do not use gasohol other than the type previously stated.
  Other gasohol may cause fuel system damage or vehicle performance problems.
- Using unleaded gasoline with an octane number or rating lower than the level previously stated will cause persistent heavy knocking.
  At worst, this will lead to engine damage.

Fuel-related poor driveability

If poor driveability is encountered after using a different type of fuel (poor hot starting, vaporization, engine knocking, etc.), discontinue the use of that type of fuel.

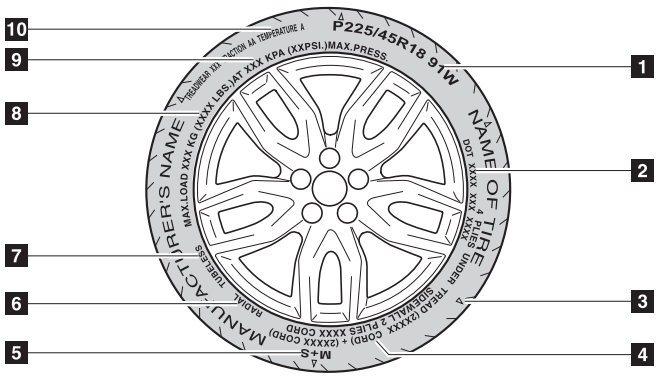
When refueling with gasohol

Take care not to spill gasohol. It can damage your vehicle's paint.

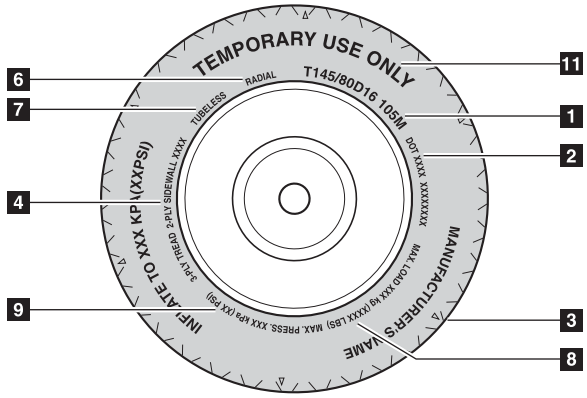
Tire information

Typical tire symbols

Full-size tire



Compact spare tire



1	Tire size	(→P. 444)
2	DOT and Tire Identification Number (TIN)	(→P. 443)
3	Location of treadwear indicators	(→P. 314)

4 Tire ply composition and materials

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

5 Summer tires or all season tires (→P. 320)

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

6 Radial tires or bias-ply tires

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

7 TUBELESS or TUBE TYPE

A tubeless tire does not have a tube and air is directly put into the tire. A tube type tire has a tube inside the tire and the tube maintains the air pressure.

8 Load limit at maximum cold tire inflation pressure (→P. 319)

9 Maximum cold tire inflation pressure (→P. 435)

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

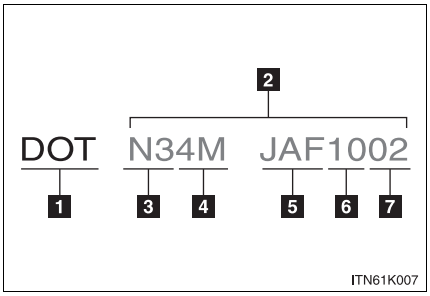
10 Uniform tire quality grading

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

11 “TEMPORARY USE ONLY” (→P. 400)

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

Typical DOT and Tire Identification Number (TIN)



1 DOT symbol*

2 Tire Identification Number (TIN)

3 Tire manufacturer's identification mark

4 Tire size code

5 Manufacturer's optional tire type code (3 or 4 letters)

6 Manufacturing week

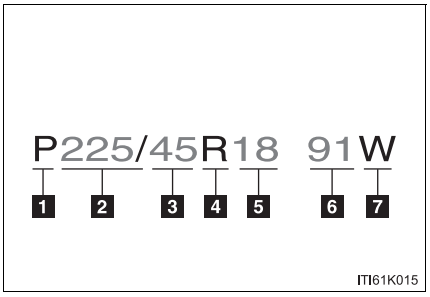
7 Manufacturing year

*: The DOT symbol certifies that the tire conforms to applicable Federal Motor Vehicle Safety Standards.

Tire size

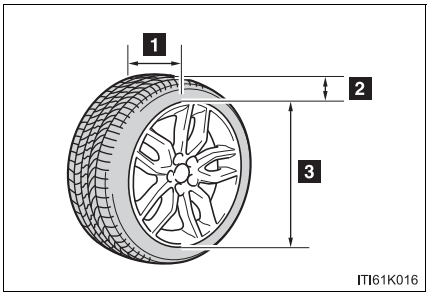
Typical tire size information

The illustration indicates typical tire size.



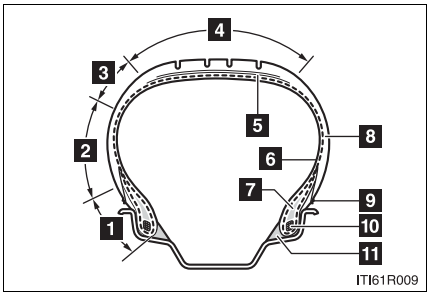
1. Tire use
   (P = Passenger car,
   T = Temporary use)
2. Section width (millimeters)
3. Aspect ratio
   (tire height to section width)
4. Tire construction code
   (R = Radial, D = Diagonal)
5. Wheel diameter (inches)
6. Load index (2 or 3 digits)
7. Speed symbol
   (alphabet with one letter)

Tire dimensions



1. Section width
2. Tire height
3. Wheel diameter

Tire section names



1 Bead
2 Sidewall
3 Shoulder
4 Tread
5 Belt
6 Inner liner
7 Reinforcing rubber
8 Carcass
9 Rim lines
10 Bead wires
11 Chafer

Uniform Tire Quality Grading

This information has been prepared in accordance with regulations issued by the National Highway Traffic Safety Administration of the U.S. Department of Transportation.
It provides the purchasers and/or prospective purchasers of Scion vehicles with information on uniform tire quality grading.

Your Scion dealer will help answer any questions you may have as you read this information.

DOT quality grades

All passenger vehicle tires must conform to Federal Safety Requirements in addition to these grades. Quality grades can be found where applicable on the tire sidewall between tread shoulder and maximum section width.

For example: Treadwear 200 Traction AA Temperature A

Treadwear

The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course.

For example, a tire graded 150 would wear one and a half (1-1/2) times as well on the government course as a tire graded 100.
The relative performance of tires depends upon the actual conditions of their use. Performance may differ significantly from the norm due to variations in driving habits, service practices and differences in road characteristics and climate.

Traction AA, A, B, C

The traction grades, from highest to lowest, are AA, A, B and C, and they represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete.

A tire marked C may have poor traction performance.

Warning: The traction grade assigned to this tire is based on braking (straight ahead) traction tests and does not include cornering (turning) traction.

Temperature A, B, C

The temperature grades are A (the highest), B, and C, representing the tire's resistance to the generation of heat and its ability to dissipate heat when tested under controlled conditions on a specified indoor laboratory test wheel.

Sustained high temperature can cause the material of the tire to degenerate and reduce tire life, and excessive temperature can lead to sudden tire failure.

The grade C corresponds to a level of performance which all passenger car tires must meet under the Federal Motor Vehicle Safety Standard No.109.

Grades B and A represent higher levels of performance on the laboratory test wheel than the minimum required by law.

Warning: The temperature grades of a tire assume 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 automatic transmission, power steering, power brakes, power windows, power seats, radio and heater, to the extent that these items are available as factory-installed equipment (whether installed or not)
Curb weight	The weight of a motor vehicle with standard equipment, including the maximum capacity of fuel, oil and coolant, and if so equipped, air conditioning and additional weight optional engine

Tire related term	Meaning
Maximum loaded vehicle weight	The sum of: (a) Curb weight (b) Accessory weight (c) Vehicle capacity weight (d) Production options weight
Normal occupant weight	150 lb. (68 kg) times the number of occupants specified in the second column of Table 1* that follows
Occupant distribution	Distribution of occupants in a vehicle as specified in the third column of Table 1* below
Production options weight	The combined weight of installed regular production options weighing over 5 lb. (2.3 kg) in excess of the standard items which they replace, not previously considered in curb weight or accessory weight, including heavy duty brakes, ride levelers, roof rack, heavy duty battery, and special trim
Rim	A metal support for a tire or a tire and tube assembly upon which the tire beads are seated
Rim diameter (Wheel diameter)	Nominal diameter of the bead seat
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

Tire related term	Meaning
Vehicle capacity weight (Total load capacity)	The rated cargo and luggage load plus 150 lb. (68 kg) times the vehicle's designated seating capacity
Vehicle maximum load on the tire	The load on an individual tire that is determined by distributing to each axle its share of the maximum loaded vehicle weight, and dividing by two
Vehicle normal load on the tire	The load on an individual tire that is determined by distributing to each axle its share of curb weight, accessory weight, and normal occupant weight (distributed in accordance with Table 1* below), and dividing by two
Weather side	The surface area of the rim not covered by the inflated tire
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

Tire related term	Meaning
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
Extra load tire	A tire designed to operate at higher loads and at higher inflation pressures than the corre-sponding 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 manufac-turer, brand, and/or model name molding that is higher or deeper than the same molding on the other sidewall of the tire, or (b) The outward facing sidewall of an asym-metrical 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 prima-rily 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

Tire related term	Meaning
Maximum load rating	The load rating for a tire at the maximum permissible inflation pressure for that tire
Maximum permissible inflation pressure	The maximum cold inflation pressure to which a tire may be inflated
Measuring rim	The rim on which a tire is fitted for physical dimension requirements
Open splice	Any parting at any junction of tread, sidewall, or innerliner that extends to cord material
Outer diameter	The overall diameter of an inflated new tire
Overall width	The linear distance between the exteriors of the sidewalls of an inflated tire, including elevations due to labeling, decorations, or protective bands or ribs
Passenger car tire	A tire intended for use on passenger cars, multipurpose passenger vehicles, and trucks, that have a gross vehicle weight rating (GVWR) of 10,000 lb. or less.
Ply	A layer of rubber-coated parallel cords
Ply separation	A parting of rubber compound between adjacent plies
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

Tire related term	Meaning
Radial ply tire	A pneumatic tire in which the ply cords that extend to the beads are laid at substantially 90 degrees to the centerline of the tread
Reinforced tire	A tire designed to operate at higher loads and at higher inflation pressures than the corresponding standard tire
Section width	The linear distance between the exteriors of the sidewalls of an inflated tire, excluding elevations due to labeling, decoration, or protective bands
Sidewall	That portion of a tire between the tread and bead
Sidewall separation	The parting of the rubber compound from the cord material in the sidewall
Snow tire	A tire that attains a traction index equal to or greater than 110, compared to the ASTM E-1136 Standard Reference Test Tire, when using the snow traction test as described in ASTM F-1805-00, Standard Test Method for Single Wheel Driving Traction in a Straight Line on Snow-and Ice-Covered Surfaces, and which is marked with an Alpine Symbol ( ) on at least one sidewall
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

Tire related term	Meaning
Tread rib	A tread section running circumferentially around a tire
Tread separation	Pulling away of the tread from the tire carcass
Treadwear indicators (TWI)	The projections within the principal grooves designed to give a visual indication of the degrees of wear of the tread
Wheel-holding fixture	The fixture used to hold the wheel and tire assembly securely during testing

*: Table 1 — Occupant loading and distribution for vehicle normal load for various designated seating capacities

Designated seating capacity, Number of occupants	Vehicle normal load, Number of occupants	Occupant distribution in a normally loaded vehicle
2 through 4	2	2 in front
5 through 10	3	2 in front, 1 in second seat
11 through 15	5	2 in front, 1 in second seat, 1 in third seat, 1 in fourth seat
16 through 20	7	2 in front, 2 in second seat, 2 in third seat, 1 in fourth seat

Customizable features

Your vehicle includes a variety of electronic features that can be personalized to suit your preferences. Programming these preferences requires specialized equipment and may be performed by your Scion dealer.

Some function settings are changed simultaneously with other functions being customized. Contact your Scion dealer for further details.

Item	Function	Default setting	Customized setting
Smart key system and wireless remote control (→P. 30, 48)	Automatic door lock function to be activated if 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
	Operation signal (Emergency flashers)	On	Off
	Operation signal (Buzzer)	On	Off
	Open door warning function (when locking the vehicle)	On	Off

Item	Function	Default setting	Customized setting
Wireless remote control (→P. 48)	Wireless remote control	On	Off
	Unlocking operation	Driver's door unlocked in one step, all doors unlocked in two steps	All doors unlocked in one step
	Operation signal (Buzzer volume)	Level 7	Level 1 to 6
			Off
	Panic function	On	Off
Smart key system (→P. 30)	Smart key system	On	Off
	Smart door unlocking	Driver's door	All the doors
	Number of permissible times of continuous smart lock	Twice	Unlimited

Item	Function	Default setting	Customized setting
Door lock (→P. 54)	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
	Opening drivers door unlocks all doors	Off	On
	Shifting gears to P unlocks all doors	On	Off
	Shifting gears to position other than P locks all doors	On	Off
Automatic light off system (→P. 202)	Time elapsed before the headlights automatically turn off after the doors are closed	30 seconds	Off
			60 seconds
			90 seconds

Item	Function	Default setting	Customized setting
Illumination (→P. 250)	Time elapsed before lights turn off	15 seconds	7.5 seconds
			30 seconds
	Operation when the doors are unlocked	On	Off
	Operation after the engine switch is turned to the “LOCK” position (vehicles without a smart key system) or the “ENGINE START STOP” switch is turned to OFF (vehicles with a smart key system)	On	Off
	Operation when you approach the vehicle with the electronic key on your person (vehicles with a smart key system)	On	Off
Seat belt reminder (→P. 377)	Vehicle speed linked seat belt reminder buzzer	On	Off

Items to initialize

The following items must be initialized for normal system operation in cases such as after maintenance is performed on the vehicle.

Item	When to initialize	Reference
Maintenance data (U.S.A. only)	• After the maintenance is performed.	P. 282
Tire pressure warning system (U.S.A. only)	• When rotating front and rear tires which have different tire inflation pressures • When changing the tire size	P. 316

For owners

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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 Scion, a marque of Toyota Motor Sales, U.S.A., Inc. (Toll-free: 1-866-707-2466).

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 Scion, a marque of Toyota Motor Sales, U.S.A., Inc.

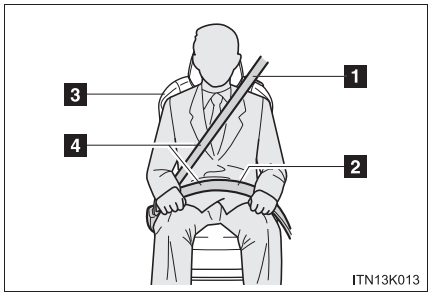
To contact NHTSA, you may call the Vehicle Safety Hotline toll-free at 1-888-327-4236 (TTY: 1-800-424-9153); go to *http://www.safercar.gov*; or write to: Administrator, NHTSA, 1200 New Jersey Ave, S.E., Washington, DC 20590. You can also obtain other information about motor vehicle safety from *http://www.safercar.gov*.

Seat belt instructions for Canadian owners (in French)

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

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

Utilisation adéquate des ceintures de sécurité



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

Entretien et soin

Ceintures de sécurité

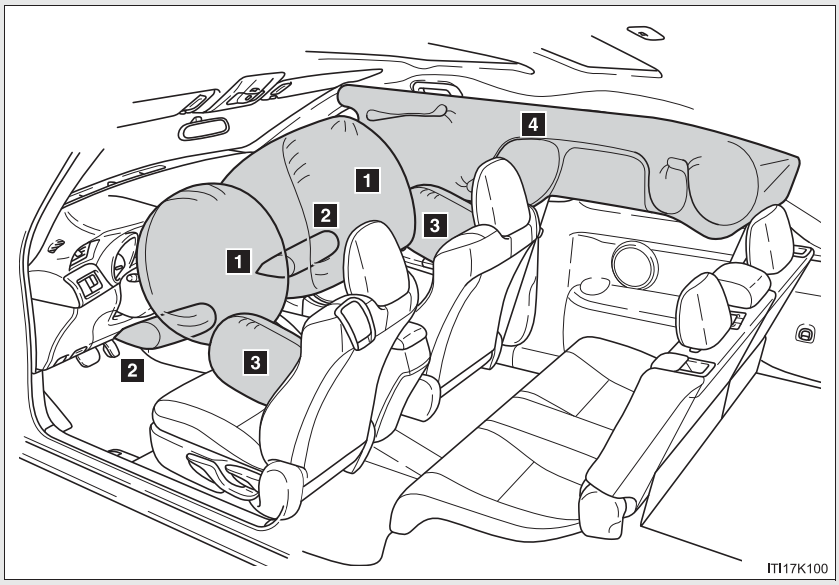
Avec un chiffon ou une éponge, nettoyez à l'aide d'un savon doux et de l'eau tiède. Vérifiez aussi les ceintures régulièrement pour vous assurer qu'elles ne présentent pas d'usure excessive, d'effilochage ou de coupures.

ATTENTION

Dommages et usure de la ceinture de sécurité

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

The following is a French explanation of SRS airbag instructions extracted from the SRS airbag section in this manual.
See the SRS airbag section for more detailed SRS airbag instructions in English.



Coussins gonflables SRS avant

1 Coussin gonflable SRS du conducteur/du passager avant
Aide à protéger la tête et la poitrine du conducteur et du passager avant contre les impacts avec des composants intérieurs

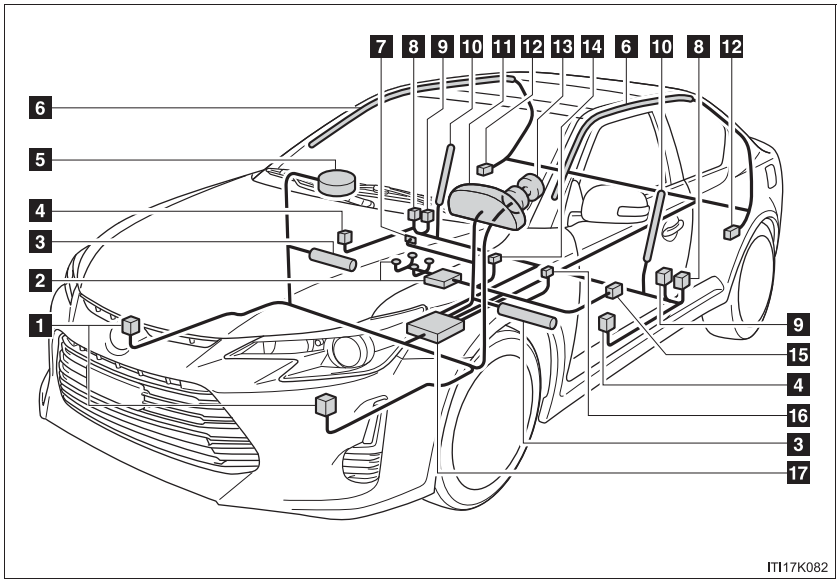
2 Coussins gonflables SRS de protection des genoux
Peuvent contribuer à la protection du conducteur et du passager avant

Coussins gonflables SRS latéraux et coussins gonflables en rideau

3 Coussins gonflables SRS latéraux
Aident à protéger le torse des occupants des sièges avant

4 Coussins gonflables SRS en rideau
Peuvent aider à protéger principalement la tête des occupants des sièges latéraux

Composants du système de coussins gonflables SRS



1 Capteurs d'impact avant

2 Système de classification de l'occupant du siège du passager avant (ECU et capteurs)

3 Coussins gonflables de protection des genoux

4 Capteurs de choc latéral (portières avant)

5 Coussin gonflable du passager avant

6 Coussins gonflables en rideau

7 Lampes témoins "AIR BAG ON" et "AIR BAG OFF"

8 Capteurs de choc latéral (avant)

9 Dispositifs de tension et limiteurs de force des ceintures de sécurité

10 Coussins gonflables latéraux

11 Lampe témoin SRS

12 Capteurs de choc latéral (arrière)

13 Coussin gonflable du conducteur

14 Contacteur de boucle de ceinture de sécurité du passager avant

15 Capteur de position de siège du conducteur

16 Contacteur de boucle de ceinture de sécurité du conducteur

17 Module de capteur de coussin gonflable

Votre véhicule est doté de COUSSINS GONFLABLES ÉVOLUÉS dont la conception s’appuie sur les normes de sécurité des véhicules à moteur américains (FMVSS208). Le module de capteur de coussin gonflable (ECU) contrôle le déploiement des coussins gonflables en fonction des informations obtenues des capteurs et d’autres éléments affichés dans le diagramme des composants du système ci-dessus. Ces informations comprennent des données relatives à la gravité de l’impact et aux passagers. Au moment du déploiement des coussins gonflables, une réaction chimique se produit dans les gonfleurs et les coussins gonflables se remplissent rapidement d’un gaz non toxique pour limiter le mouvement des occupants.

ATTENTION

Précautions relatives aux coussins gonflables SRS

Observez les précautions suivantes en ce qui concerne les coussins gonflables SRS.
Les négliger pourrait occasionner des blessures graves, voire mortelles.

- Le conducteur et tous les passagers du véhicule doivent porter leur ceinture de sécurité de la manière appropriée.
  Les coussins gonflables SRS sont des dispositifs supplémentaires qui doivent être utilisés de concert avec les ceintures de sécurité.
- Le coussin gonflable SRS du conducteur se déploie avec une force considérable et peut occasionner des blessures graves, voire mortelles, notamment lorsque le conducteur se trouve très près du coussin gonflable.
  La National Highway Traffic Safety Administration (NHTSA), aux États-Unis, donne les recommandations suivantes :

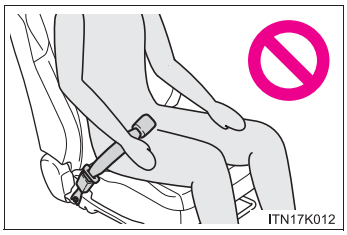
  Vu que la zone à risque d'un coussin gonflable côté conducteur couvre 2 à 3 in. (50 à 75 mm) de la zone de déploiement du coussin gonflable, restez à 10 in. (250 mm) du coussin gonflable pour assurer une marge de sécurité suffisante. Cette distance est mesurée depuis le centre du volant jusqu'à votre sternum. Si vous vous tenez à moins de 10 in. (250 mm), vous pouvez changer votre position de conduite de plusieurs manières :

  - Reculez votre siège à la position maximale vous permettant d'atteindre encore aisément les pédales.
  - Inclinez légèrement le dossier du siège.
    Même si les véhicules sont conçus différemment, la plupart des conducteurs peuvent maintenir une distance de 10 in. (250 mm), même si le siège se trouve complètement vers l'avant, simplement en inclinant un peu le dossier du siège vers l'arrière. Si la visibilité avant est moindre après avoir incliné le dossier du siège, utilisez un coussin ferme et non glissant pour être assis plus haut ou relevez l'assise du siège si cette option est disponible sur votre véhicule.
  - Si votre volant est réglable en hauteur, inclinez-le vers le bas. Cela vous permet d'orienter le coussin gonflable vers votre buste plutôt que vers la tête et le cou.

  Le siège doit être réglé de la manière recommandée ci-dessus par la NHTSA, tout en gardant le contrôle des pédales et du volant, et la vue sur les commandes du bloc d'instrumentation.

ATTENTION

Précautions relatives aux coussins gonflables SRS

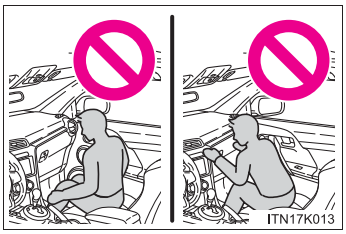


- Si la rallonge de ceinture de sécurité a été reliée à la boucle des ceintures de sécurité des sièges avant sans avoir été attachée à la plaque de blocage des ceintures de sécurité, les coussins gonflables SRS avant considéreront que le conducteur et le passager avant portent tout de même leur ceinture même si elles ne sont pas attachées. Les coussins gonflables SRS avant peuvent alors ne pas s'activer correctement lors d'une collision, ce qui représente un risque de blessures graves, voire mortelles. Bouclez toujours votre ceinture de sécurité lorsque vous utilisez la rallonge.
- Le coussin gonflable SRS du passager avant se déploie également avec une force considérable et peut occasionner des blessures graves, voire mortelles, notamment lorsque le passager avant se trouve très près du coussin gonflable. Le siège du passager avant doit se trouver le plus loin possible du coussin gonflable et le dossier doit être réglé de manière à ce que le passager avant soit assis bien droit.
- Le déploiement d'un coussin gonflable risque d'infliger des blessures graves, voire mortelles, aux bébés et aux enfants mal assis et/ou mal attachés. Un bébé ou un enfant trop petit pour utiliser une ceinture de sécurité doit être correctement retenu à l'aide d'un dispositif de retenue pour enfants. Scion recommande vivement d'installer et d'attacher correctement les bébés et les enfants aux places arrière du véhicule à l'aide d'un système de retenue adapté. Les sièges arrière sont plus sécuritaires pour les bébés et les enfants que le siège du passager avant.

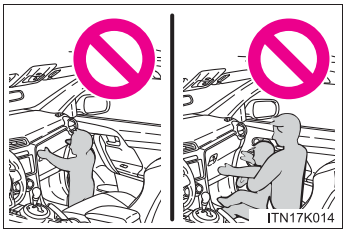
ATTENTION

Précautions relatives aux coussins gonflables SRS

- N'installez jamais un dispositif de retenue pour enfants de type dos à la route sur le siège du passager avant, même si la lampe témoin "AIR BAG OFF" est allumée. En cas d'accident, la force et la vitesse de déploiement du coussin gonflable du passager avant sont telles qu'elles pourraient infliger à l'enfant des blessures graves, voire mortelles, si le dispositif de retenue pour enfants du type dos à la route était installé sur le siège du passager avant.



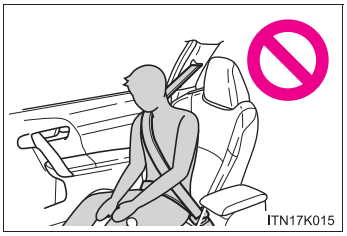
- Ne vous asseyez pas sur le bord du siège et ne vous appuyez pas sur le tableau de bord.



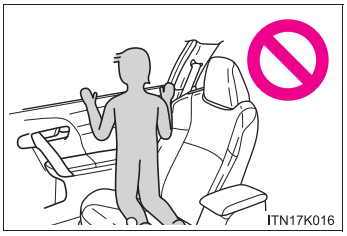
- Ne laissez pas un enfant se tenir face au coussin gonflable SRS du passager avant ou s'asseoir sur les genoux d'un passager avant.
- Ne laissez pas les occupants du siège avant tenir des objets sur leurs genoux.

ATTENTION

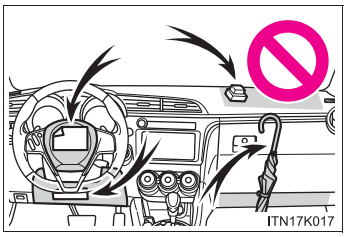
Précautions relatives aux coussins gonflables SRS



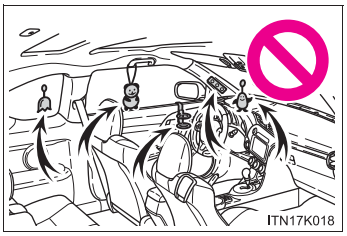
- Ne vous appuyez pas sur la portière ou sur le longeron du toit, ni sur les montants avant, latéraux ou arrière.



- Ne laissez personne s'agenouiller face à la portière sur le siège du passager ou sortir la tête ou les mains à l'extérieur du véhicule.



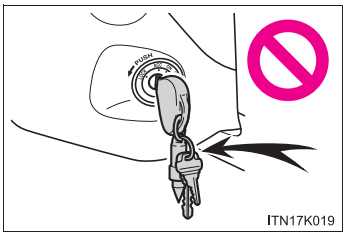
- Ne fixez et n'appuyez rien sur des zones telles que le tableau de bord, le centre du volant ou encore la partie inférieure du bloc d'instrumentation.
  Ces objets peuvent se transformer en projectiles lorsque les coussins gonflables SRS du conducteur, du passager avant ou de protection des genoux se déploient.



- Ne fixez rien sur des zones telles que les portières, le pare-brise, les glaces de portière, les montants avant ou arrière, le brancard de pavillon ou la poignée de maintien.

ATTENTION

Précautions relatives aux coussins gonflables SRS



- Véhicules non dotés du système Smart key :
  N'accrochez pas d'objets lourds, pointus ou durs, par exemple des clés ou des accessoires, à la clé. Ces objets pourraient empêcher le déploiement du coussin gonflable SRS de protection des genoux ou être projetés violemment dans l'assise du siège du conducteur par la force du déploiement, et donc présenter un danger.
- N'accrochez pas de cintres ni d'autres objets rigides sur les crochets porte-vêtements. Tous ces objets pourraient se transformer en projectiles et vous occasionner des blessures graves, voire mortelles, en cas de déploiement des coussins gonflables SRS en rideau.
- Si un recouvrement de vinyle est placé sur la zone de déploiement du coussin SRS de protection des genoux, veillez à le retirer.
- N'utilisez pas d'accessoires recouvrant les parties du siège où les coussins gonflables SRS latéraux se déploient, car ceux-ci pourraient nuire au déploiement de ces coussins. De tels accessoires peuvent empêcher les coussins gonflables latéraux de se déployer correctement, rendre le système inopérant ou provoquer accidentellement le déploiement des coussins gonflables latéraux, avec pour conséquence possible des blessures graves, voire mortelles.
- Ne frappez pas et n'appliquez pas une pression importante à l'emplacement des composants de coussins gonflables SRS.
  Vous risqueriez de provoquer un mauvais fonctionnement des coussins gonflables SRS.
- Ne touchez à aucun composant des coussins gonflables SRS immédiatement après leur déploiement (gonflage), car ils pourraient être chauds.

ATTENTION

Précautions relatives aux coussins gonflables SRS

- Si vous avez de la difficulté à respirer après le déploiement des coussins gonflables SRS, ouvrez une portière ou une glace pour laisser entrer l'air, ou quittez le véhicule si vous pouvez le faire en toute sécurité. Dès que possible, nettoyez tous les résidus afin d'éviter les irritations cutanées.
- Si les emplacements de stockage des coussins gonflables SRS, notamment le centre du volant et les garnitures des montants avant et arrière, sont endommagés ou fissurés, faites-les remplacer par votre concessionnaire Scion.
- Ne placez aucun objet, par exemple un coussin, sur le siège du passager avant.
  Un tel objet disperserait le poids du passager, ce qui empêcherait le capteur de le détecter correctement. Cela pourrait empêcher le déploiement du coussin gonflable SRS du passager avant en cas de collision.

Modification et mise au rebut des composants du système de coussins gonflables SRS

Ne mettez pas votre véhicule au rebut et n'effectuez aucune des modifications suivantes sans d'abord consulter votre concessionnaire Scion. Les coussins gonflables SRS pourraient fonctionner de manière incorrecte ou se déployer (gonfler) accidentellement, ce qui serait susceptible d'occasionner des blessures graves, voire mortelles.

- Installation, retrait, démontage et réparation des coussins gonflables SRS
- Réparations, modifications, retrait ou remplacement du volant, du bloc d'instrumentation, du tableau de bord, des sièges ou du capitonnage des sièges, des montants avant, latéraux ou arrière et des longerons du toit
- Réparations ou modifications de l'aile avant, du pare-chocs avant ou du côté de l'habitacle
- Installation de lames de déneigement, de treuils, etc. sur la calandre avant (barre safari, barre kangourou, etc.)
- Modifications du système de suspension du véhicule
- Installation d'appareils électroniques tels qu'un émetteur-récepteur radio ou un lecteur de CD
- Modifications à votre véhicule pour une personne aux capacités physiques réduites

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Abbreviation/Acronym list

ABBREVIATIONS	MEANING
A/C	Air Conditioning
ABS	Anti-lock Brake System
ACC	Accessory
AI-SHIFT	Artificial Intelligence Shift control
ALR	Automatic Locking Retractor
CRS	Child Restraint System
ECU	Electronic Control Unit
EDR	Event Data Recorder
ELR	Emergency Locking Retractor
EPS	Electric Power Steering
GAWR	Gross Axle Weight Rating
GVWR	Gross Vehicle Weight Rating
I/M	Emission inspection and maintenance
LATCH	Lower Anchors and Tethers for Children
LED	Light Emitting Diode
M + S	Mud and Snow
MMT	Methylcyclopentadienyl Manganese Tricarbonyl
MTBE	Methyl Tertiary Butyl Ether
OBD	On Board Diagnostics
SRS	Supplemental Restraint System
TIN	Tire Identification Number
TPMS	Tire Pressure Monitoring (Warning) System
TRAC	Traction Control
VIN	Vehicle Identification Number
VSC	Vehicle Stability Control

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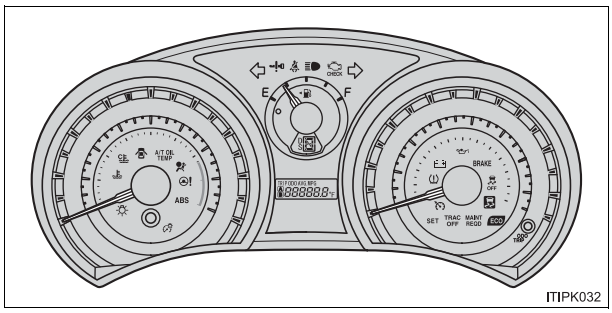
	P. 102	Engine immobilizer system
	P. 414	If the battery is discharged
The shift lever cannot be moved out	P. 408	If the shift lever cannot be shifted from P
The high engine coolant temperature warning light flashes or comes on	P. 418	If your vehicle overheats
Steam can be seen coming from under the hood		
The key is lost	P. 409	If you lose your keys
The battery runs out	P. 414	If the battery is discharged
The doors cannot be locked	P. 54	Side doors
	P. 61	Back door
The vehicle is stuck in mud or sand	P. 421	If the vehicle becomes stuck

A warning light or indicator light comes on

P. 373 If a warning light turns on



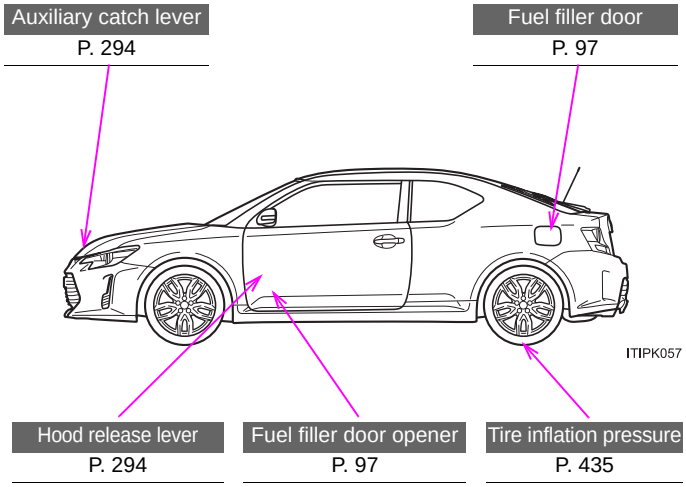
■**Warning lights**

BRAKE or	Brake system warning light	P. 373
	Charging system warning light	P. 374
	Low engine oil pressure warning light	P. 374
CHECK or	Malfunction indicator lamp	P. 375
	SRS warning light	P. 375
	Low windshield washer fluid warning light	P. 377
	Electric power steering system warning light	P. 376
	Open door warning light	P. 377
E	Low fuel level warning light	P. 377
	Driver's and/or front passenger's seat belts reminder light	P. 377
	High engine coolant temperature warning light	P. 377

ABS or (ABS)	ABS warning light P. 375	Slip indicator light	P. 375
MAINT REQD	Maintenance required reminder light P. 378	Cruise control indicator light*	P. 376
(!)	Tire pressure warning light P. 379	Smart key system warning light	P. 381
		A/T OIL TEMP	Automatic transmission fluid temperature warning light P. 376

*: The light flashes to indicate a malfunction.

GAS STATION INFORMATION



Fuel tank capacity (Reference)	14.5 gal. (55 L, 12.1 Imp.gal.)
Fuel type	Unleaded gasoline, Octane Rating of 87 (Research Octane Number 91) or higher P. 428
Cold tire inflation pressure	P. 435
Engine oil capacity (Drain and refill — reference)	qt. (L, Imp.qt.) With filter 4.6 (4.4, 3.9) Without filter 4.2 (4.0, 3.5)
Engine oil type	Toyota Genuine Motor Oil or equivalent Oil grade: ILSAC GF-5 multigrade engine oil. Recommended viscosity: SAE 0W-20 P. 429