



Owner's Manual

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

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COROLLA

SEDAN



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1

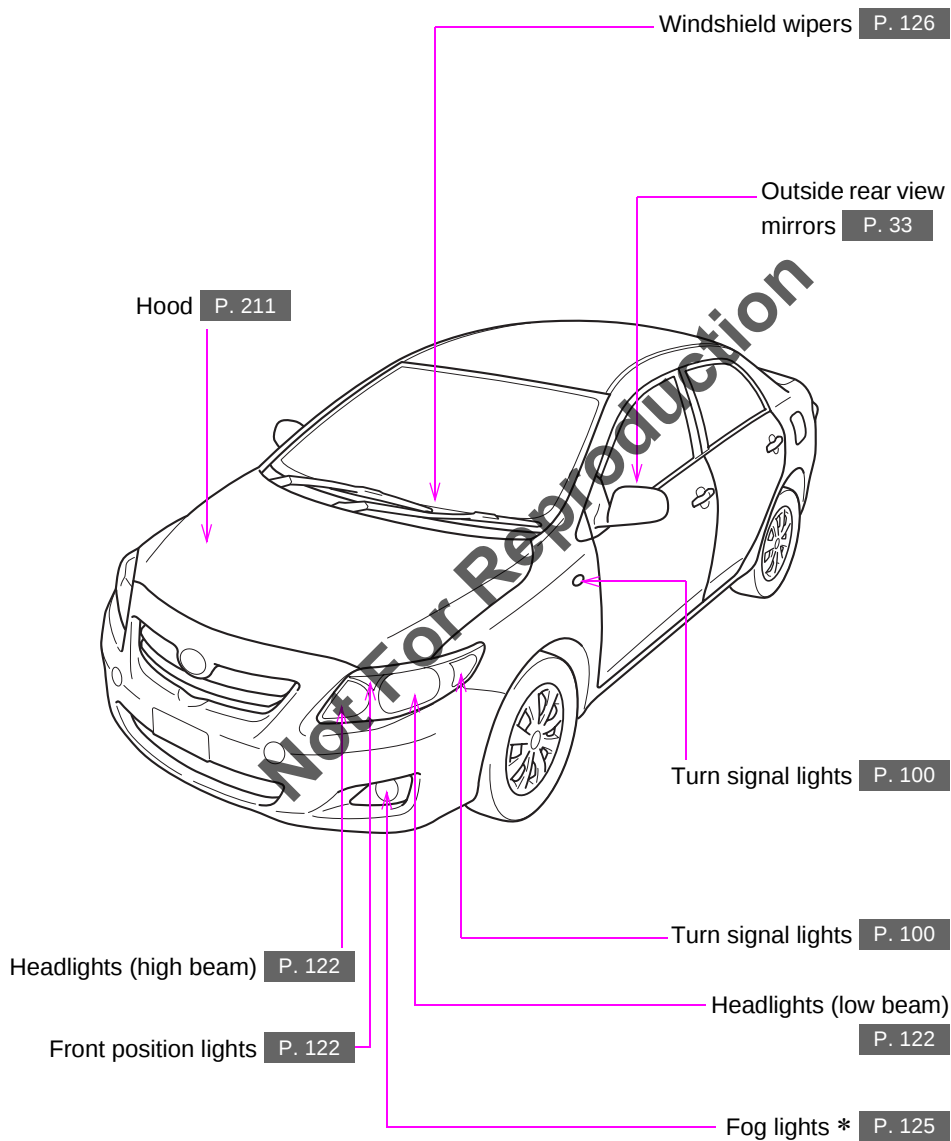
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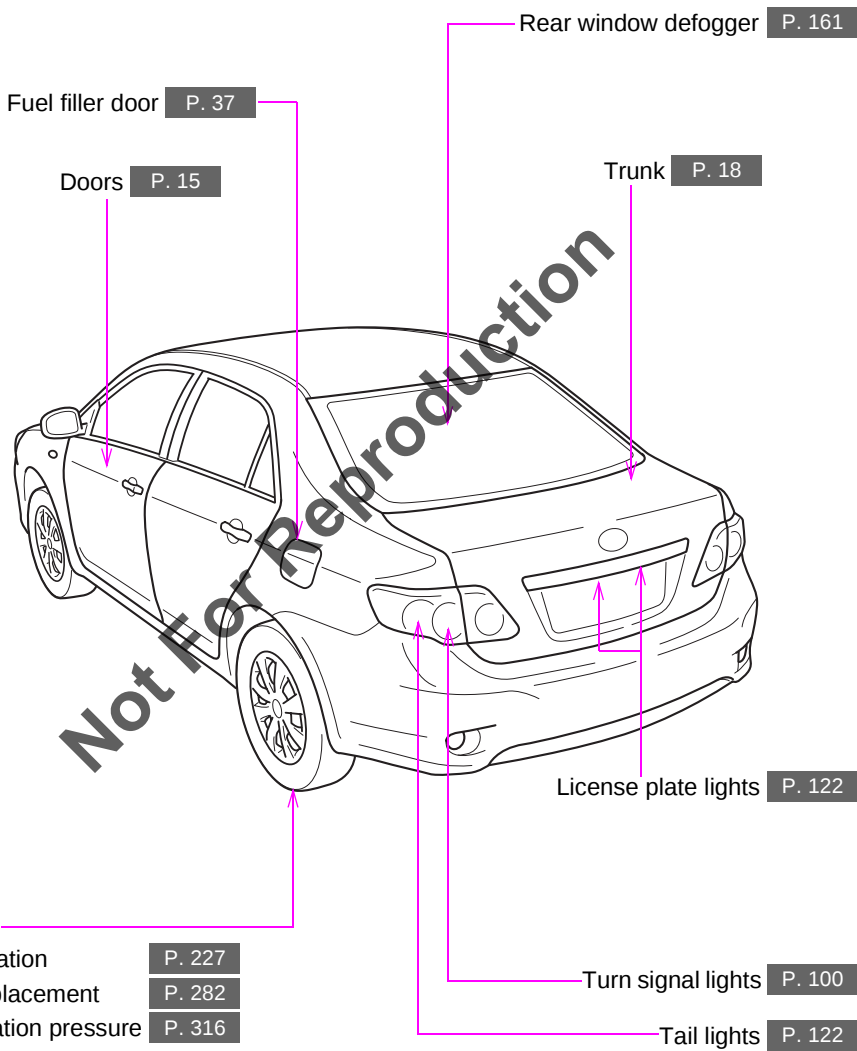
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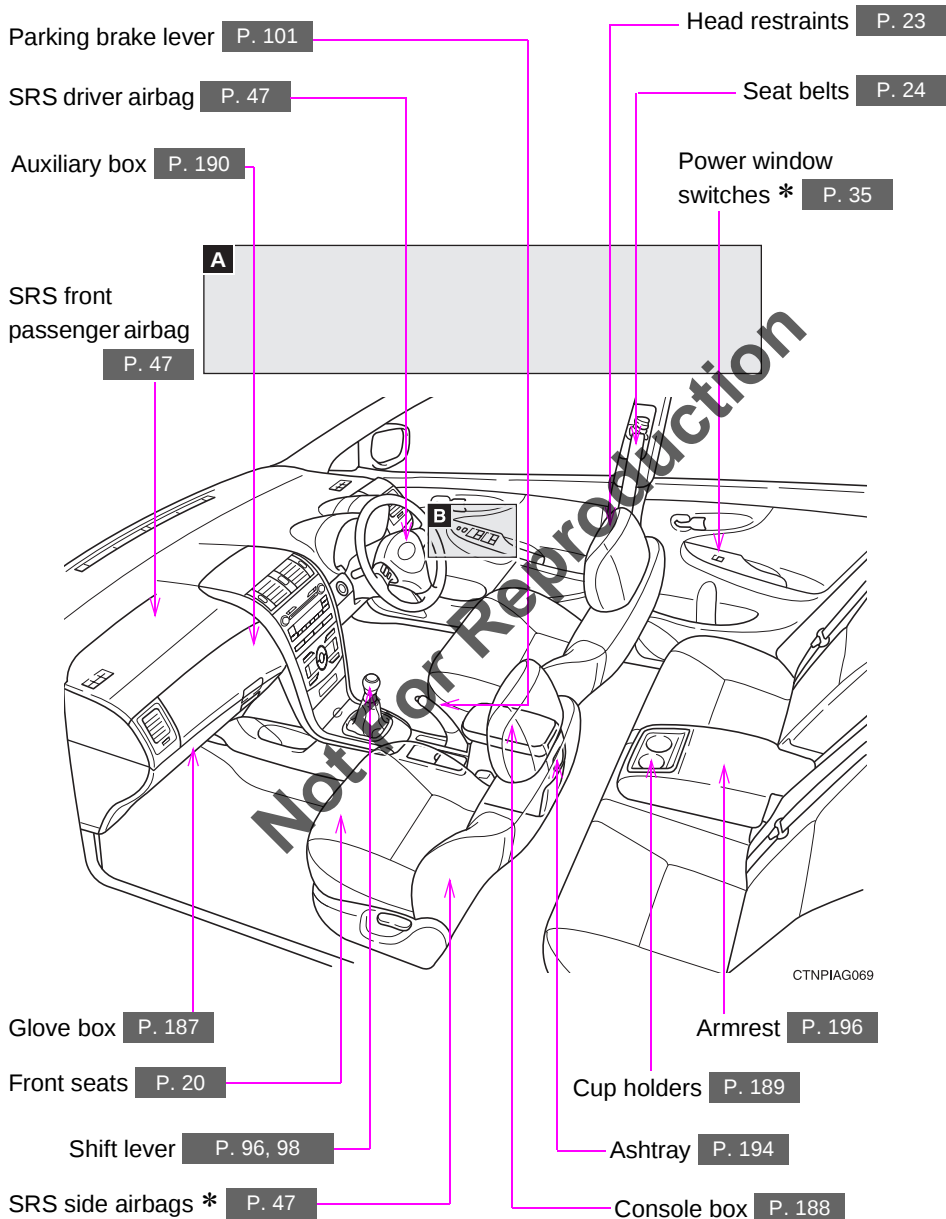
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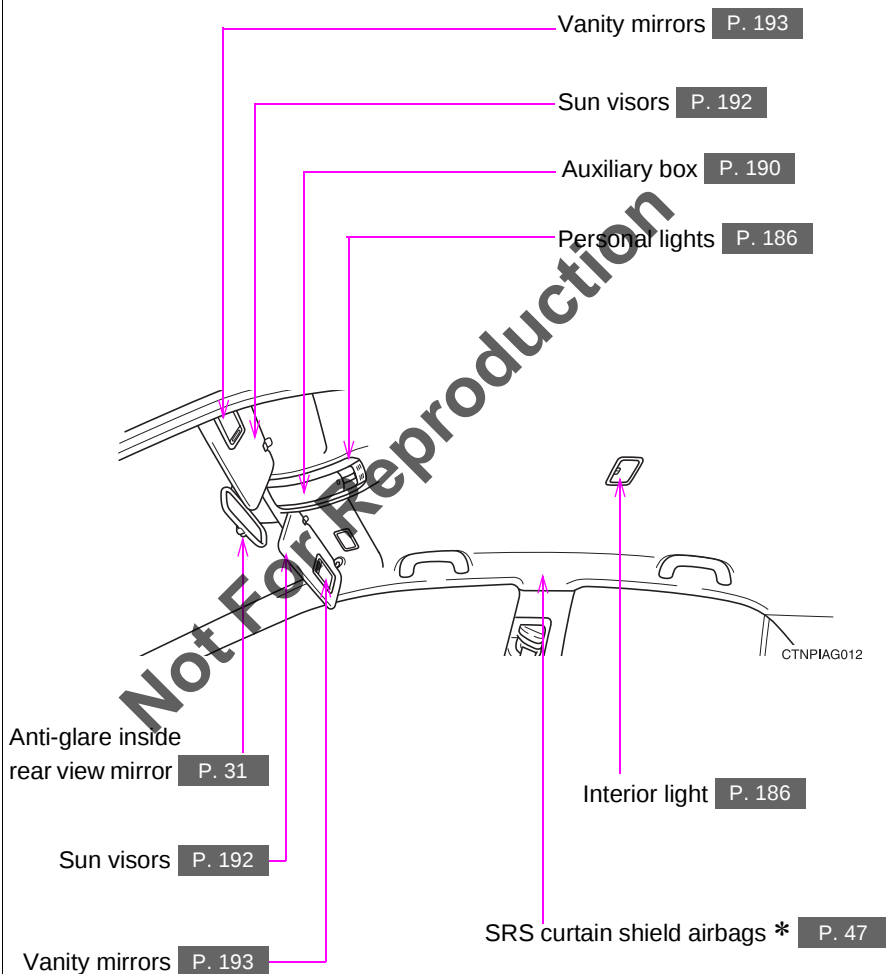




*: If equipped



A



*: If equipped

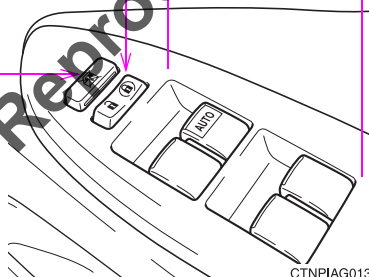
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► Type A

Power window switches P. 35

Door lock switch P. 15

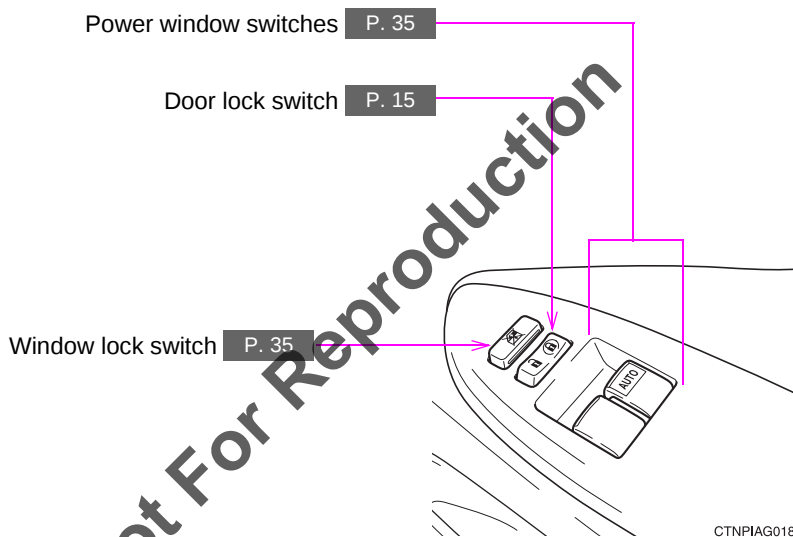
Window lock switch P. 35



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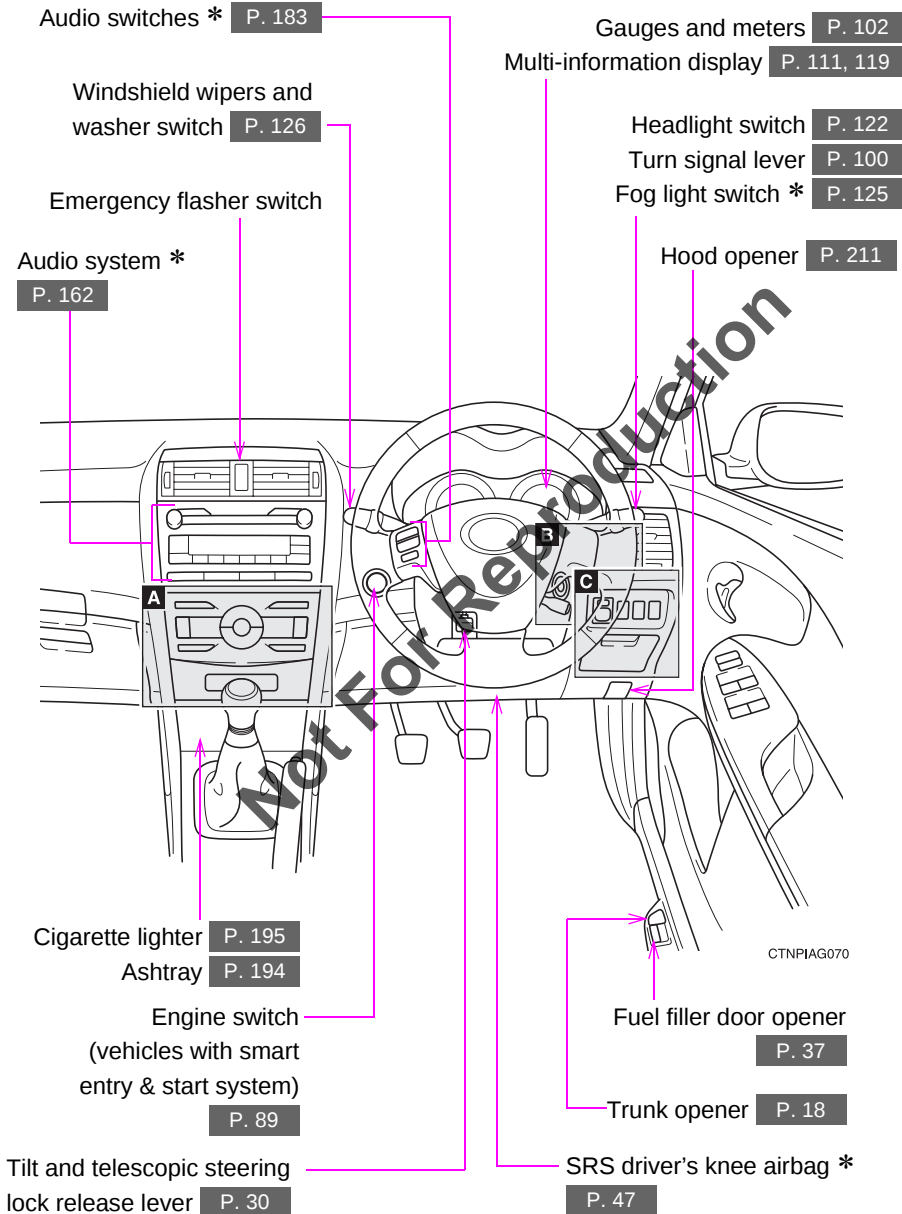
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► Type B



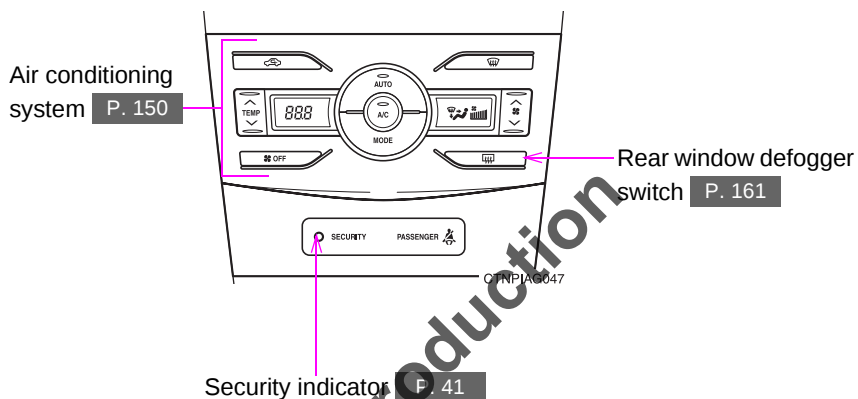
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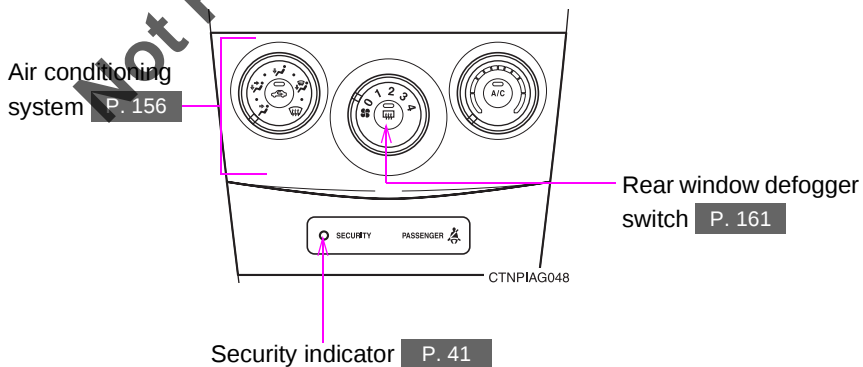


A

► **Vehicles with an automatic air conditioning system**

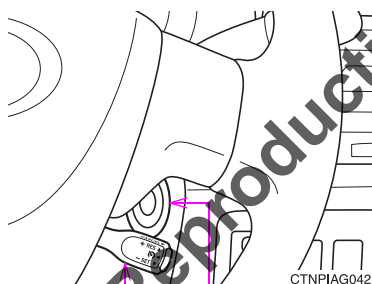


► **Vehicles with a manual air conditioning system**



*: If equipped

B



Cruise control switch * P. 131

Engine switch
(vehicles without smart
entry & start system)

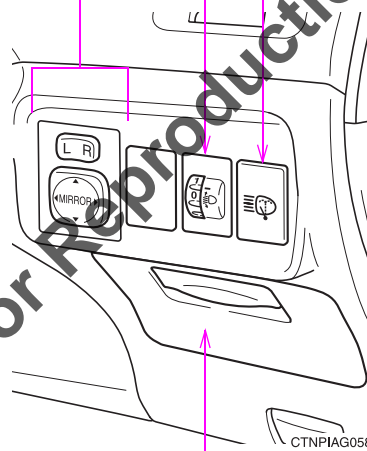
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C

Outside rear view mirror switches P. 33

Headlight leveling dial P. 123

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Auxiliary box P. 190

*: If equipped

For your information

Main Owners Manual

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

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

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

Accessories, spare parts and modification of your Toyota

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

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

Installation of a mobile two-way radio system

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

Scrapping your Toyota

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

CAUTION

■ General precautions while driving

Driving under the influence: Never drive your vehicle when under the influence of alcohol or drugs that have impaired your ability to operate your vehicle. Alcohol and certain drugs delay reaction time, impair judgment and reduce coordination, which could lead to an accident that will hurt or kill you, your occupants or others.

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

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

■ General precaution regarding children's safety

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

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

Symbols used throughout this manual

Cautions & Notices

CAUTION

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

NOTICE

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

Safety symbol



Throughout this manual, you will also see the symbol of a circle with a slash through it. This means “Do not”, “Do not do this”, or “Do not let this happen”.

Before driving

1

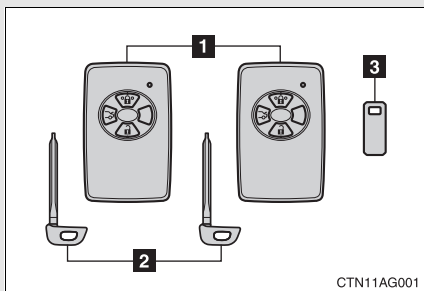
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1-1. Key information

Keys

The following keys are provided with the vehicle.

► Vehicles with smart entry & start system



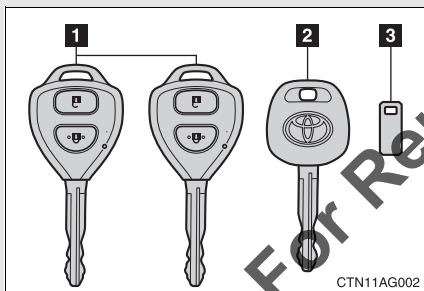
1 Electronic keys

- Operating the smart entry & start system (→P. 4)
- Operating the wireless remote control function (→P. 13)

2 Mechanical keys

3 Key number plate

► Vehicles without smart entry & start system



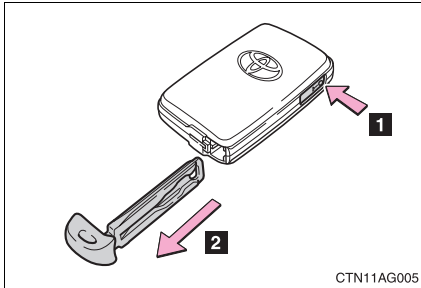
1 Master keys

- Operating the wireless remote control function (→P. 13)

2 Valet key

3 Key number plate

Using the mechanical key (vehicles with smart entry & start system)



Take out the mechanical key.

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 depletes or entry function does not operate properly, you will need the mechanical key. (→P. 296)

1

Before driving

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

Turn the luggage security system on. (→P. 19)

Vehicles with smart entry & start system, remove the mechanical key for your own use and provide the attendant with the electronic key only.

Vehicles without smart entry & start system, provide the attendant with the valet key.

■ Key number plate

Keep the plate in a safe place such as your wallet, not in the vehicle. In the event that a key is lost, a new key can be made by your Toyota dealer using the key number plate. (→P. 295)



NOTICE

■ To prevent key damage

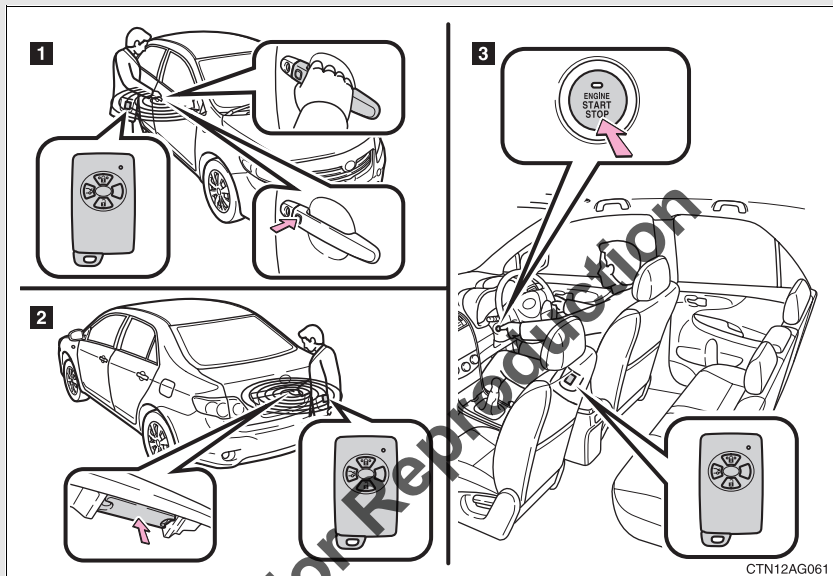
- Do not subject the keys to strong shocks, expose them to high temperatures by placing them in direct sunlight, or get them wet.
- Do not expose the keys to electromagnetic materials or attach any material that blocks electromagnetic waves to the key surface.

1-2. Opening, closing and locking the doors

Smart entry & start system (if equipped)

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.)

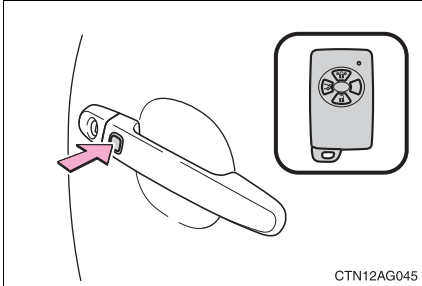


1 Locks and unlocks the doors (→P. 5)

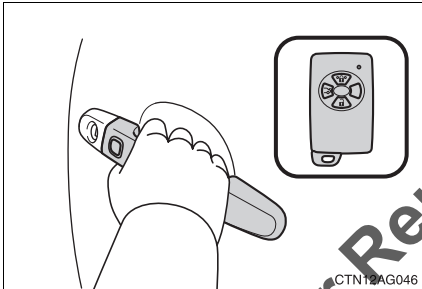
2 Unlocks the trunk (→P. 5)

3 Starts the engine (→P. 89)

Locking and unlocking the doors (front door handles only)



Press the lock button to lock the door.

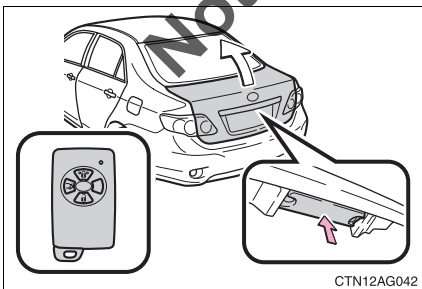


Grip the handle to unlock the door.

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

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

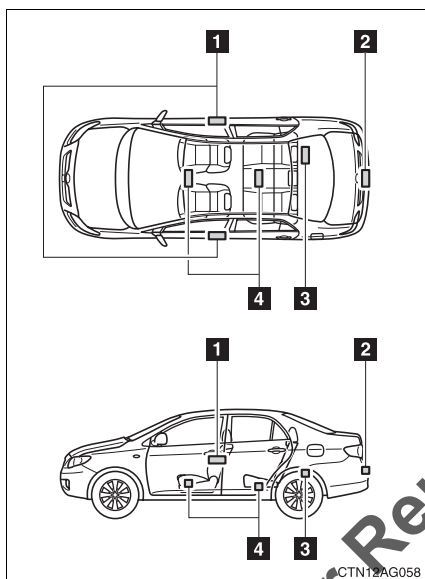
Unlocking the trunk



Press and hold the button to unlock the trunk.

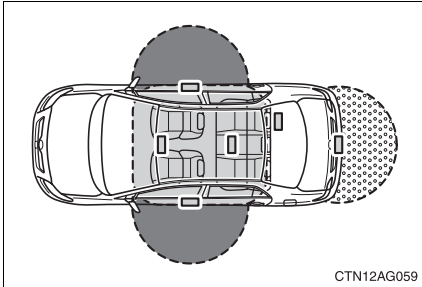
Antenna location and effective range

■ Antenna location



- 1** Antennas outside the cabin
- 2** Antenna outside the trunk
- 3** Antenna inside the trunk
- 4** 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 0.7 m and 1.0 m (2.3 ft. and 3.3 ft.) of either of the outside front door handles. (Only the doors detecting the key can be operated.)

- When starting the engine or changing engine switch modes

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

- When unlocking the trunk

The system can be operated when the electronic key is within about 0.7 m and 1.0 m (2.3 ft. and 3.3 ft.) of the trunk release button.

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■ Operation signals

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

■ Conditions affecting operation

The smart entry & start system uses weak radio waves. In the following situations, the communication between the electronic key and the vehicle may be affected, preventing the smart entry & start system and wireless remote control from operating properly. (Ways of coping: →P. 296)

- When the electronic key battery is depleted
- Never a TV tower, electronic 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 has come into contact with, or is covered by a metallic object
- When multiple electronic keys are in the vicinity
- When carrying or using the electronic key together with the following devices that emit radio waves
 - Another vehicle's electronic key
 - A wireless key that emits radio waves
 - Personal computer
- If window tint with a metallic content or metallic objects are attached to the rear window

■ Battery-saving function

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

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

The system will resume operation when...

- The vehicle is locked using the door handle lock switch.
- The vehicle is locked/unlocked using the wireless remote control function. (→P. 13)
- The vehicle is locked/unlocked using the mechanical key. (→P. 296)

■ Electronic key battery depletion

- The standard battery life is 1 to 2 years. (The battery becomes depleted even if the electronic key is not used.) If the smart entry & start system or the wireless remote control function does not operate, or the detection area becomes smaller, the battery may be depleted. Replace the battery when necessary. (→P. 236)
- To avoid serious deterioration, do not leave the electronic key within 1 m (3 ft.) of the following electrical appliances.
 - TVs
 - Personal computers
 - Recharging cellular phones or cordless phones
 - Table lamps

■ To operate the system properly

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

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

■ Note for the entry function

- Even when the electronic key is within the effective range (detection areas), the system may not operate properly in the following cases.
 - The electronic key is too close to the window or outside door handle, near the ground, or in a high place when the doors are locked or unlocked.
 - The electronic key is near the ground or in a high place, or too close to the rear bumper center when the trunk is unlocked.
 - The electronic key is on the instrument panel, package tray, floor, or in the glove box when the engine is started or engine switch modes are changed.

- As long as the electronic key is within the effective range, the doors may be locked or unlocked by anyone.
- Even if the electronic key is not inside the vehicle, it may be possible to start the engine if the electronic key is near the window.
- The doors may unlock if a large amount of water splashes on the door handle, such as in the rain or in a car wash. (The doors will automatically be locked after approximately 30 seconds if the doors are not opened and closed.)
- Gripping the door handle when wearing a glove may not unlock the door.
- If the wireless remote control is used to lock the doors when the electronic key is near the vehicle, there is a possibility that the door may not be unlocked by the entry function. (Use the wireless remote control to unlock the doors.)

■ When the vehicle is not driven for extended periods

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

■ Security feature

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

■ Alarms and warning indicators

A combination of exterior and interior alarms as well as warning lights and warning messages shown on the multi-information display are used to reduce the chance of vehicle theft and accidents resulting from erroneous operation.

- When any warning lights come on:
Take appropriate measures according to which warning light comes on. (→P. 270)
- When a warning message is shown on the multi-information display (vehicles with Optitron type meters):
Take appropriate measures according to the warning message on the multi-information display. (→P. 274)

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

Alarm	Situation	Correction procedure
Exterior alarm sounds once for 2 seconds	Tried to lock the doors using the entry function while the electronic key is still inside the passenger compartment	Retrieve the electronic key from the passenger compartment and lock the doors again.
	Tried to exit the vehicle with the electronic key and lock the doors without first turning the engine switch OFF	Turn the engine switch OFF and lock the doors again.
	Closed the trunk while the electronic key is still inside the trunk and all doors are locked	Retrieve the electronic key from the trunk and close the trunk lid.
Exterior alarm sounds once for 10 seconds	Tried to lock the vehicle using the entry function while a door is open	Close all of the doors and lock the doors again.
Interior alarm sounds continuously*	Tried to open the door and exit the vehicle without shifting the shift lever to P	Shift the shift lever to P.
Interior alarm sounds once	The electronic key battery is low	Replace the battery. (→P. 236)
Interior alarm beeps repeatedly	Turn the engine switch to ACC mode while the driver's door is open (Opened the driver's door when the engine switch is in ACC mode.)	Turn the engine switch OFF and close the driver's door.
	Turned the engine switch OFF while the driver's door is open	Close the driver's door.

*: Vehicles with an automatic transmission only

■ **If the smart entry & start system does not operate properly**

- Locking and unlocking the doors and trunk: Use the mechanical key.
(→P. 296)
- Starting the engine: →P. 89

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

→P. 236

■ **Customization**

It is possible to deactivate the smart entry & start system, etc.
(→P. 319)

 CAUTION

■ **Caution regarding interference with electronic devices**

- People with implanted pacemakers or cardiac defibrillators should maintain a reasonable distance between themselves and the smart entry & start system antennas. (→P. 6)
The radio waves may affect the operation of such devices. If necessary, the entry function can be disabled. Ask your Toyota dealer for details, such as the frequency of radio waves and timing of emitting the radio waves. Then, consult your doctor to see if you should disable the entry function.
- User of any electrical medical device other than implanted pacemakers and implanted cardiac defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves.
Radio waves could have unexpected effects on the operation of such medical devices.

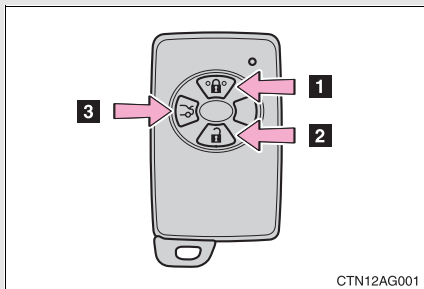
Ask your Toyota dealer for details for disabling the entry function.

1-2. Opening, closing and locking the doors

Wireless remote control (if equipped)

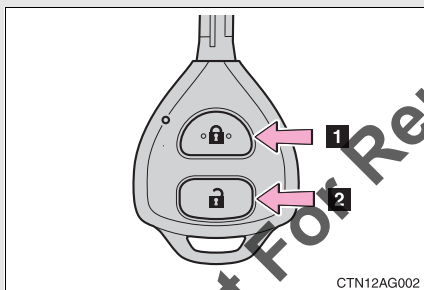
The wireless remote control can be used to lock and unlock the vehicle from outside the vehicle.

► Vehicles with smart entry & start system



- 1** Locks all doors
- 2** Unlocks all doors
- 3** Unlocks the trunk (Push and hold)

► Vehicles without smart entry & start system



- 1** Locks all doors
- 2** Unlocks all doors

■ Operation signals

A buzzer sounds (vehicles with smart entry & start system) and the emergency flashers flash to indicate that the doors have been locked/unlocked. (Locked: Once; Unlocked: Twice)

■ Door lock buzzer (vehicles with smart entry & start system)

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

■ Key battery depletion

- ▶ Vehicles with smart entry & start system

→P. 9

- ▶ Vehicles without smart entry & start system

The standard battery life is 1 to 2 years. (The battery becomes depleted even if the key is not used.) If the wireless remote control function does not operate, the battery may be depleted. Replace the battery when necessary. (→P. 236)

■ Security feature

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

■ When the electronic key battery is fully depleted (vehicles with smart entry & start system)

→P. 12

■ Conditions affecting operation

- ▶ Vehicles with smart entry & start system

→P. 8

- ▶ Vehicles without smart entry & start system

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

- 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 device
- When multiple wireless keys are in the vicinity
- When the wireless key has come into 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

■ Customization

Settings (e.g. trunk unlocking function) can be changed. (→P. 319)

1-2. Opening, closing and locking the doors

Doors

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

■ Entry function (vehicles with smart entry & start system)

→P. 5

■ Wireless remote control (if equipped)

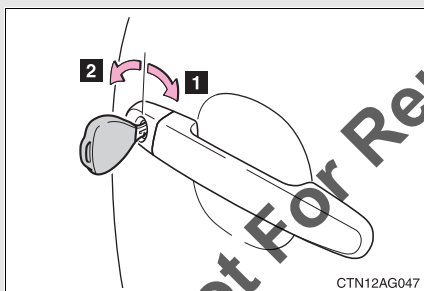
→P. 13

■ Key

► Vehicles with smart entry & start system

The doors can also be locked and unlocked with the mechanical key. (→P. 296)

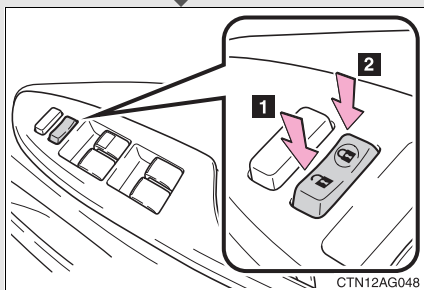
► Vehicles without smart entry & start system



1 Locks all doors

2 Unlocks all doors

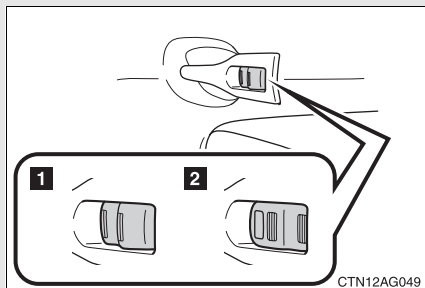
■ Door lock switch



1 Unlocks all doors

2 Locks all doors

■ Inside lock button



- 1** Locks the door
- 2** Unlocks the door

Pulling the door handle can open the driver's door even if the lock button is in the lock position.

Locking the front doors from the outside without a key

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

STEP 2 Close the door while pulling the door handle.

► Vehicles with smart entry & start system

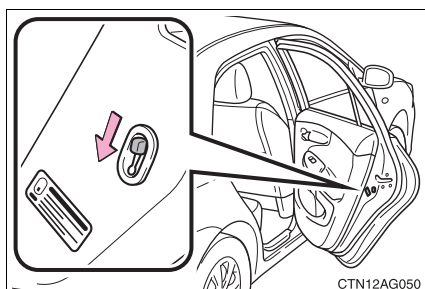
The door cannot be locked if the engine switch is in ACC or ON mode, or the electronic key is left inside the vehicle.

Depending on the position of the electronic key, the key may not be detected correctly and the door may be locked.

► Vehicles without smart entry & start system

The door cannot be locked if the key is in the engine switch.

Rear door child-protector lock



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

These locks can be set to prevent children from opening the rear doors. Push down on each rear door switch to lock both rear doors.

 CAUTION**■ To prevent an accident**

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

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

Not For Reproduction

1-2. Opening, closing and locking the doors

Trunk

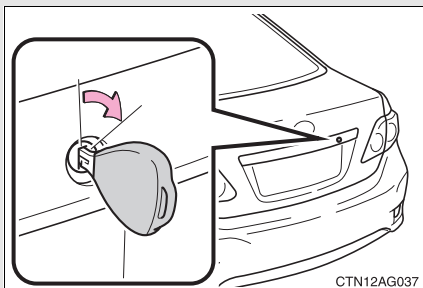
The trunk can be opened using the key, trunk opener, entry function or wireless remote control.

■ Key

► Vehicles with smart entry & start system

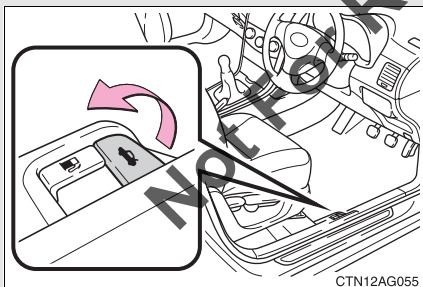
The trunk can be opened using the mechanical key. (→P. 296)

► Vehicles without smart entry & start system



Turn the master key clockwise to release the trunk lid.

■ Trunk opener



Release the trunk lid.

■ Entry function (vehicles with smart entry & start system)

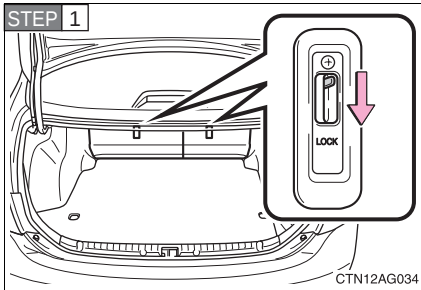
→P. 5

■ Wireless remote control (vehicles with smart entry & start system)

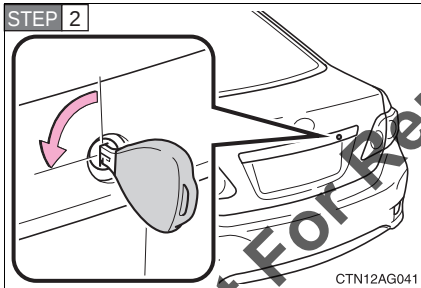
→P. 13

Luggage security system

To protect luggage stored in the trunk against theft, do the following procedures.



Push down the security lock levers to lock the rear seatbacks.



Turn the master key (vehicles without smart entry & start system) or mechanical key (vehicles with smart entry & start system) counterclockwise to lock the trunk opener feature.

Vehicles with smart entry & start system, the trunk lid cannot be opened even with the wireless remote control or the entry function.

⚠ CAUTION

■ Caution while driving

Keep the trunk lid closed.

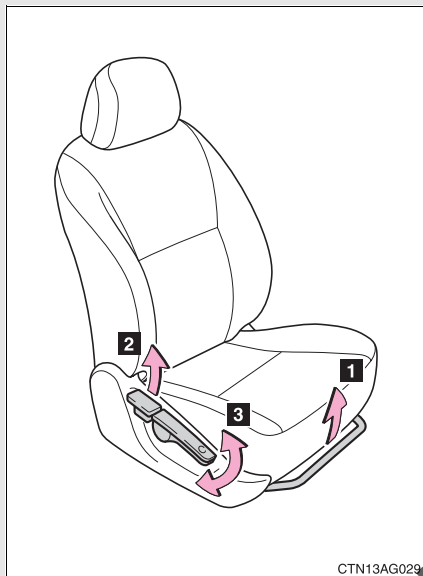
This not only keeps personal belongings from being thrown out, but also prevents exhaust gases from entering the vehicle.

■ When children are in the vehicle

Never leave children unattended in the vehicle as they may lock themselves in the vehicle or trunk, which could cause the child to overheat or suffocate, resulting in death or serious injury.

1-3. Adjustable components

Front seats



- 1** Seat position adjustment lever
- 2** Seatback angle adjustment lever
- 3** Vertical height adjustment lever (driver's side only)

! CAUTION

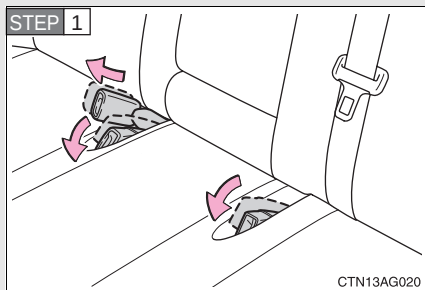
■ Seat adjustment

- Do not recline the seat more than necessary when the vehicle is in motion to reduce the risk of sliding under the lap belt.
If the seat is too reclined, 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.
- After adjusting the seat, make sure that the seat is locked in position.

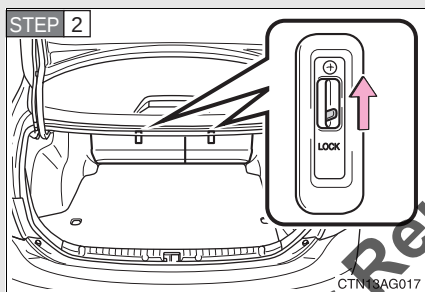
1-3. Adjustable components

Rear seats

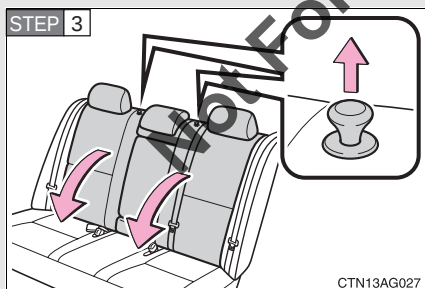
The seatbacks of the rear seats can be folded down.



Stow the rear outside seat belt buckles and move the rear center seat belt buckle as shown.



Check that the security lock lever in the trunk is raised.

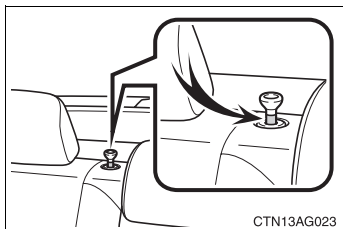


Fold the seatback down while pulling the seatback lock release knob.

⚠ CAUTION

■ After returning the seatback to the upright position

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



- Make sure that the seatback is securely locked in position by lightly rocking it back and forth.

If the seatback is not securely locked, the red marking will be visible on the seatback lock release knob. Make sure that the red marking is not visible.

- Check that the seat belts are not twisted or caught under the seat.

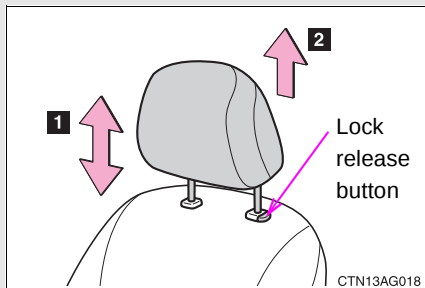
⚠ NOTICE

■ When left seatback is folded down

Make sure the luggage loaded in the enlarged trunk will not damage the webbing of the rear center seat belt.

1-3. Adjustable components

Head restraints



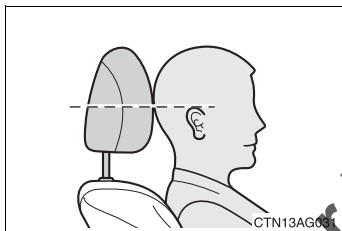
1 Vertical adjustment

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

2 Removal

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

■ 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.

■ Head restraints of different seats

The head restraints are specially designed for the seats on which they are installed.

⚠ CAUTION

■ Head restraint precautions

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

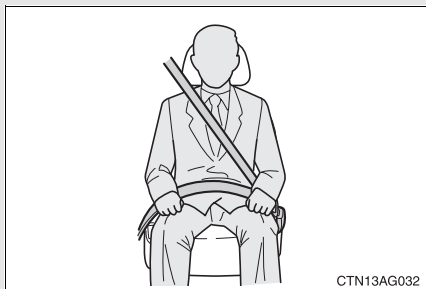
- Adjust the head restraints to the correct position at all times.
- Do not drive with the head restraints removed.

1-3. Adjustable components

Seat belts

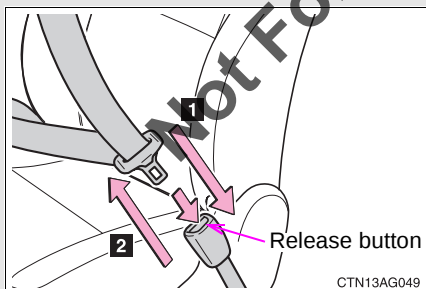
Make sure that all occupants are wearing their seat belts before driving the vehicle.

■ Correct use of the seat belts



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

■ Fastening and releasing the seat belt



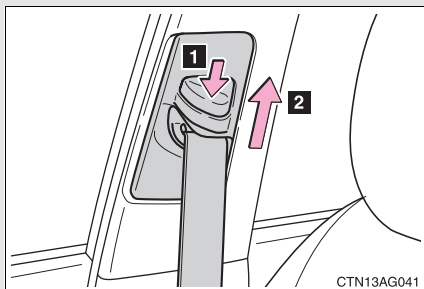
1 Fastening the belt

Push the tab into the buckle until a clicking sound is heard.

2 Releasing the belt

Press the release button.

■ Adjusting the height of the belt (front seats)

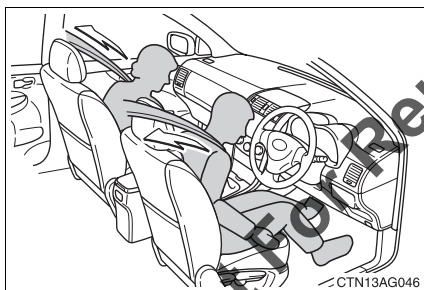


1 Down

2 Up

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

Seat belt pretensioners (front seats)



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

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

1

Before driving

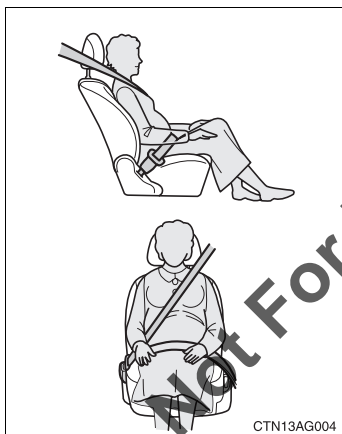
■ Emergency locking retractor (ELR)

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 rear 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. 67)

■ Pregnant women



Obtain medical advice and wear the seat belt in the proper way. (→P. 24)

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 a 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.

■ 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 become large enough to properly wear the vehicle's seat belt. (→P. 59)
- When the child becomes large enough to properly wear the vehicle's seat belt, follow the instructions on P. 24 regarding seat belt usage.

■ Replacing the belt after the pretensioner has been activated

The seat belts cannot be used after a pretensioner has been activated. After an accident, have the pretensioners inspected by your Toyota dealer. Make sure the pretensioners are replaced if they have been activated.

■ Seat belt regulations

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

⚠ CAUTION

■ Wearing a seat belt

Observe the following precautions to reduce the risk of injury in the event of sudden braking or an accident.

Failing to do so may cause death or severe injury.

- Ensure that all passengers wear a seat belt.
- Always wear a seat belt properly.
- Each seat belt should be used by one person only. Do not use a seat belt for more than one person at once, including children.
- Toyota recommends that children be seated in the rear seat and always use a seat belt and/or an appropriate child restraint system.
- Do not recline the seat any more than necessary to achieve a proper seating position. 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

■ **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 belt cannot protect an occupant from death or serious injury.
- Ensure that the belt and tab are locked and the belt is not twisted.
If the seat belt does not function correctly, immediately contact your Toyota dealer.
- Replace the seat assembly, including the belts, if your vehicle has been involved in a serious accident, even if there is no obvious damage.
- Do not attempt to install, remove, modify, disassemble or dispose of the seat belts. Have any necessary repairs carried out by your Toyota dealer. Inappropriate handling of the pretensioner may prevent it from operating properly resulting in death or serious injury.

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 CAUTION**■ For Australian owners**

Observe the following additional WARNINGS.

WARNING: Seat belts are designed to bear upon the bony structure of the body, and should be worn low across the front of the pelvis or the pelvis, chest and shoulders, as applicable; wearing the lap section of the belt across the abdominal area must be avoided.

Seat belts should be adjusted as firmly as possible, consistent with comfort, to provide the protection for which they have been designed. A slack belt will greatly reduce the protection afforded to the wearer.

Care should be taken to avoid contamination of the webbing with polishes, oils and chemicals, and particularly battery acid. Cleaning may safely be carried out using mild soap and water. The belt should be replaced if webbing becomes frayed, contaminated or damaged.

It is essential to replace the entire assembly after it has been worn in a severe impact even if damage to the assembly is not obvious.

Belts should not be worn with straps twisted.

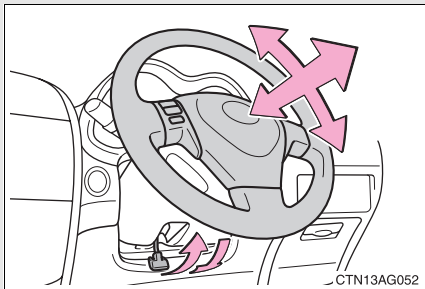
Each belt assembly must only be used by one occupant; it is dangerous to put a belt around a child being carried on the occupant's lap.

WARNING: No modifications or additions should be made by the user which will either prevent the seat belt adjusting devices from operating to remove slack, or prevent the seat belt assembly from being adjusted to remove slack.

1-3. Adjustable components

Steering wheel

The steering wheel can be adjusted to a comfortable position.



STEP 1 Hold the steering wheel and press the lever down.

STEP 2 Adjust to the ideal position by moving the steering wheel horizontally and vertically.

STEP 3 Pull the lever up.

⚠ CAUTION

■ Caution while driving

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

■ After adjusting the steering wheel

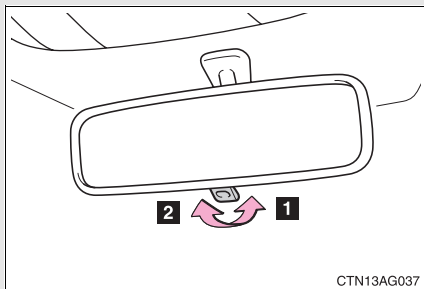
Make sure that the steering wheel is securely locked. Otherwise, the steering wheel may move suddenly, possibly causing an accident and resulting in death or serious injury.

1-3. Adjustable components

Anti-glare inside rear view mirror

Glare from the headlights of vehicles behind can be reduced by using the following functions.

► Manual anti-glare inside rear view mirror

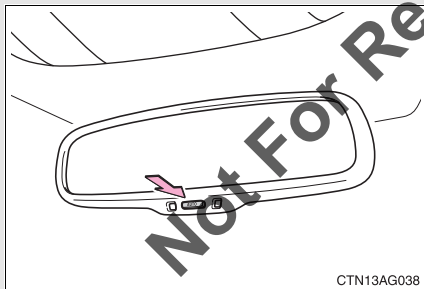


1 Normal position

2 Anti-glare position

► Auto anti-glare inside rear view mirror

In automatic mode, sensors are used to detect the headlights of vehicles behind and automatically reduces the reflected light.

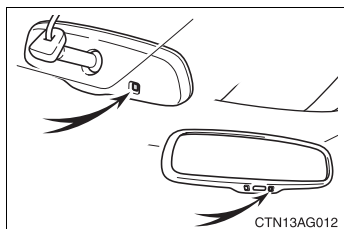


Turns automatic mode ON/
OFF

The indicator comes on when automatic mode is turned ON.

The mirror will revert to the automatic mode each time the engine switch is turned to ON mode.

■ **To prevent sensor error (vehicles with auto anti-glare inside rear view mirror)**



To ensure that the sensors operate properly, do not touch or cover them.

⚠ CAUTION

■ **Caution while driving**

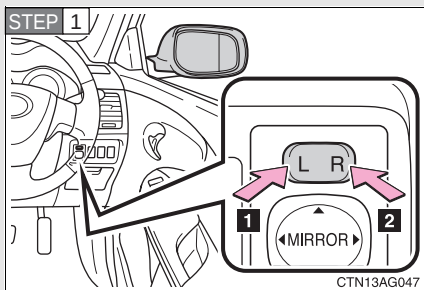
Do not adjust the position of the mirror while driving.
Doing so may lead to mishandling of the vehicle and an accident, resulting in death or serious injury.

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1-3. Adjustable components

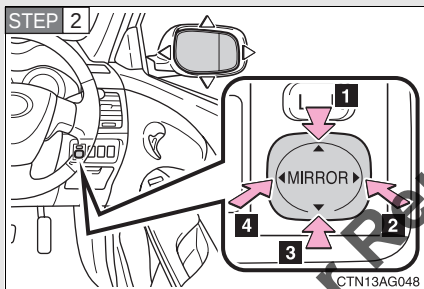
Outside rear view mirrors

Mirror angle can be adjusted using the switch when the engine switch is in ACC or ON mode.



Select a mirror to adjust.

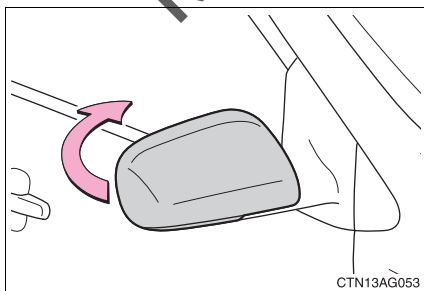
- 1** Left
- 2** Right



Adjust the mirror.

- 1** Up
- 2** Right
- 3** Down
- 4** Left

Folding back the mirrors



Push backward to fold the mirrors.

 CAUTION

■ **When driving the vehicle**

Observe the following precautions while driving.

Failing to do so may result in loss of control of the vehicle and cause an accident, resulting in death or serious injury.

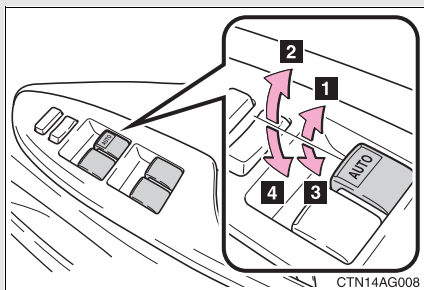
- Do not adjust the mirrors while driving.
- Do not drive with the mirrors folded back.
- Both the driver and passenger side mirrors must be extended and properly adjusted before driving.

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1-4. Opening and closing the windows

Power windows

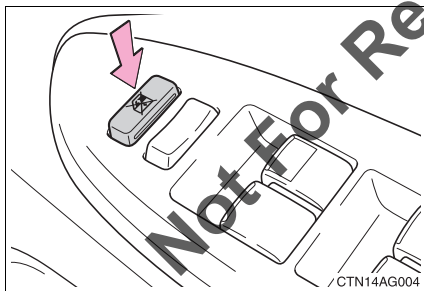
The power windows can be opened and closed using the following switches.



- 1 Closing
- 2 One-touch closing (driver's window only)*
- 3 Opening
- 4 One-touch opening (driver's window only)*

*: Pressing the switch in the opposite direction will stop window travel partway.

Lock switch



Press the switch down to lock passenger window switches.

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

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

The engine switch is in ON mode.

■ **Operating the power windows after turning the engine switch OFF (driver's window only)**

The power windows can be operated for approximately 45 seconds even after the engine switch is turned to ACC mode or turned OFF. They cannot, however, be operated once either front 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.

 CAUTION

■ **Closing the windows**

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 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 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 window fully closes.

1-5. Refueling

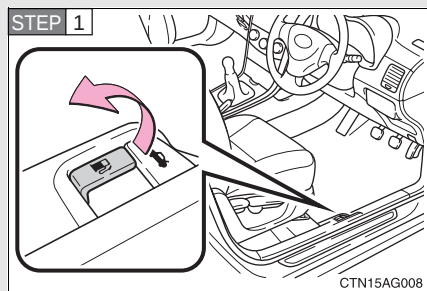
Opening the fuel tank cap

Perform the following steps to open the fuel tank cap.

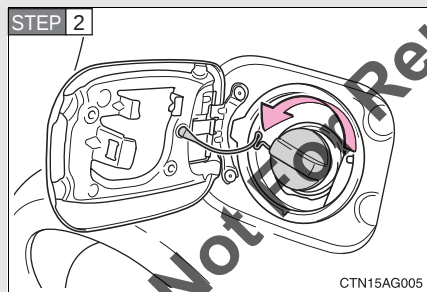
■ Before refueling the vehicle

Turn the engine switch OFF and ensure that all the doors and windows are closed.

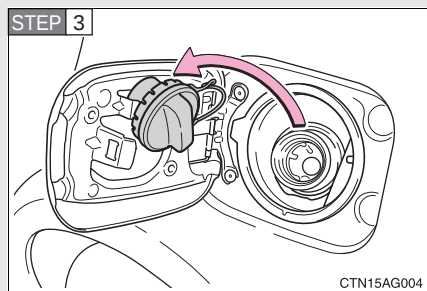
■ Opening the fuel tank cap



Open the fuel filler door.

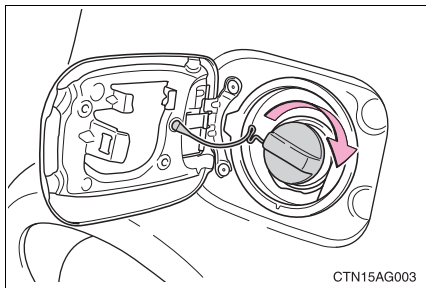


Turn the fuel tank cap slowly to open.



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

Closing the fuel tank cap



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

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

■ Fuel types

Unleaded gasoline, Research Octane Number 91 or higher

■ Fuel tank capacity (Reference)

55 L (14.5 gal., 12.1 Imp. gal.)

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 CAUTION**■ Refueling the vehicle**

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

- Touch the vehicle or some other metal surface to discharge any static electricity.
Sparks resulting from discharging static electricity may cause the fuel vapors to ignite.
- Always hold the grips on the fuel tank cap and turn it slowly to remove it.
A whooshing sound may be heard when the fuel tank cap is loosened.
Wait until the sound cannot be heard before fully removing the cap.
In hot weather, pressurized fuel may spray out of the filler neck and cause injury.
- Do not allow anyone that has not discharged static electricity from their bodies to come close to an open fuel tank.
- Do not inhale vaporized fuel.
Fuel contains substances that are harmful if inhaled.
- Do not smoke while refueling the vehicle.
Doing so may cause the fuel to ignite and cause a fire.
- Do not return to the vehicle or touch any person or object that is statically charged.
This may cause static electricity to build up, resulting in a possible ignition hazard.

■ When replacing the fuel cap

Do not use anything but a genuine Toyota 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.

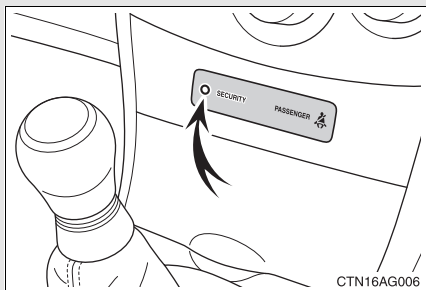
Doing so may damage the vehicle, such as causing the exhaust systems to operate abnormally or damaging fuel system components or the vehicle's painted surface.

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1-6. Theft deterrent system

Engine immobilizer system

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



Vehicles with smart entry & start system: The indicator light flashes after the engine switch has been turned OFF to indicate that the system is operating.

Vehicles without smart entry & start system: The indicator light flashes after the key has been removed from the engine switch to indicate that the system is operating.

■ Conditions that may cause the system to malfunction

- If 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

⚠ NOTICE

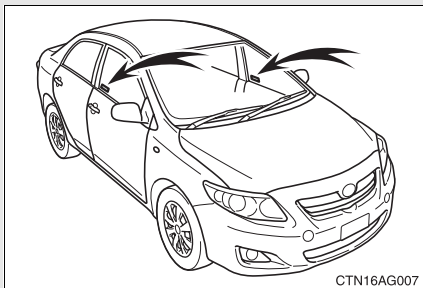
■ To prevent damage to the key

Do not modify, remove or disable the engine immobilizer system. If any unauthorized changes or modifications are made, the proper operation of the system cannot be guaranteed.

1-6. Theft deterrent system

Double locking system (if equipped)

Unauthorized access to the vehicle is prevented by disabling the door unlocking function from both the interior and exterior of the vehicle.



Vehicles employing this system have labels on the window glass of both front doors.

Setting the double locking system

Turn the engine switch OFF, have all the passengers exit the vehicle and ensure that all the doors are closed.

Using the entry function (vehicles with smart entry & start system):
Press the lock button on the outside door handle twice within 5 seconds.

Using the wireless remote control:
Press the  button twice within 5 seconds.

Canceling the double locking system

Using the entry function (vehicles with smart entry & start system):
Hold the outside door handle on the driver side.

Using the wireless remote control: Press the  button.

CAUTION

Double locking system precaution

Never activate the double locking system when there are people in the vehicle, because all the doors cannot be opened from inside the vehicle.

1-6. Theft deterrent system

Alarm (if equipped)

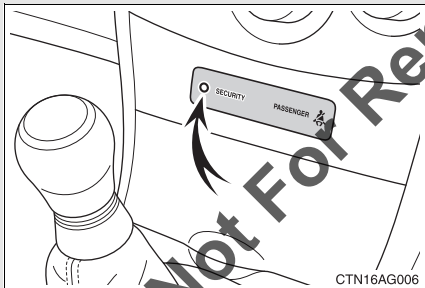
The system sounds the alarm and flashes lights when forcible entry is detected.

■ Triggering of the alarm

The alarm is triggered in the following situations.

- A locked door or trunk is unlocked or opened in any way other than using the entry function (vehicles with smart entry & start system) or wireless remote control door lock function (vehicles with wireless remote control). (The doors will lock again automatically.)
- The hood is opened while the vehicle is locked.
- The battery is reconnected.

■ Setting the alarm system



Close the doors, trunk and hood, and lock all doors using the entry function (vehicles with smart entry & start system) or wireless remote control door lock function (vehicles with wireless remote control). The system will be set automatically after 30 seconds.

The indicator light changes from being on to flashing when the system is set.

■ **Deactivating or stopping the alarm**

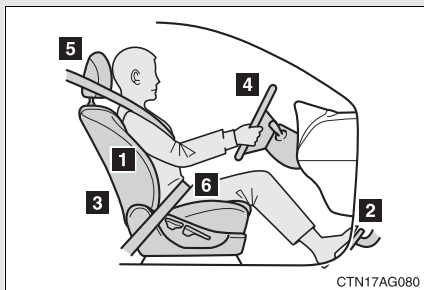
Unlock the doors or trunk using the entry function (vehicles with smart entry & start system) or the wireless remote control door lock function (vehicles with wireless remote control).

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1-7. Safety information

Correct driving posture

Drive in a good posture as follows:



- 1** Sit upright and well back in the seat. (→P. 20)
- 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. 20)
- 3** Adjust the seatback so that the controls are easily operable.
- 4** Adjust the tilt and telescopic positions of the steering wheel downward so the airbag is facing your chest. (→P. 30)
- 5** Lock the head restraint in place with the center of the head restraint closest to the top of your ears. (→P. 23)
- 6** Wear the seat belt correctly. (→P. 24)

1

Before driving

 CAUTION

■ **While driving**

- Do not adjust the position of the driver's seat while driving.
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. The adjustment mechanism may also be damaged.

■ **Adjusting the seat position**

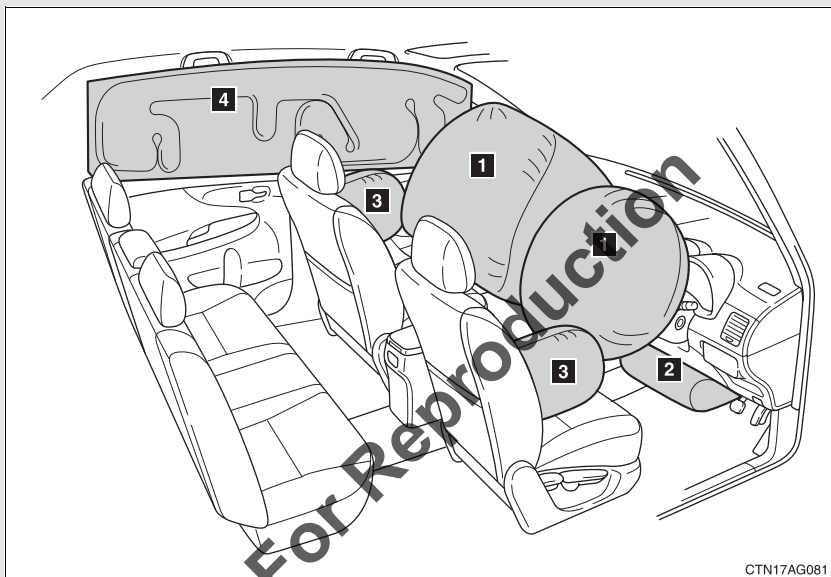
- Take care when adjusting the seat position to ensure that other passengers are not injured by the moving seat.
- Do not put your hands under the seat or near the moving parts to avoid injury.
Fingers or hands may become jammed in the seat mechanism.

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1-7. Safety information

SRS airbags

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



► Front airbags

1 Driver airbag/front passenger airbag

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

2 Knee airbag (if equipped)

Can help protect the knee of the driver.

► Side and curtain shield airbags

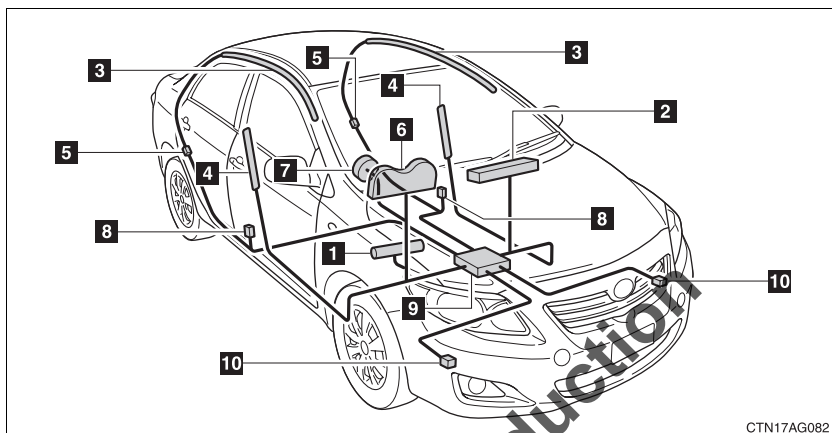
3 Side airbags (if equipped)

Can help protect the torso of the front seat occupants.

4 Curtain shield airbags (if equipped)

Can help protect primarily the head of outside occupants.

Airbag system components



CTN17AG082

- | | |
|--|--|
| 1 Knee airbag (if equipped) | 8 ▶ Vehicles with side and curtain shield airbags: Side and curtain shield airbag sensors |
| 2 Front passenger airbag | ▶ Vehicles with side airbags and without curtain shield airbags: Side airbag sensors |
| 3 Curtain shield airbags (if equipped) | |
| 4 Side airbags (if equipped) | |
| 5 Curtain shield airbag sensors (if equipped) | |
| 6 SRS warning light | 9 Airbag sensor assembly |
| 7 Driver airbag | 10 Front airbag sensors |

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

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

■ 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.
- Vehicles with curtain shield airbags: Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the front seats, and parts of the front and rear pillars and roof side rail, may be hot for several minutes. The airbag itself may also be hot.
- Vehicles without curtain shield airbags: Parts of the airbag module (steering wheel hub, airbag cover and inflator) as well as the front seats may be hot for several minutes. The airbag itself may also be hot.
- The front windshield may crack.

■ Operating conditions (front airbags)

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

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

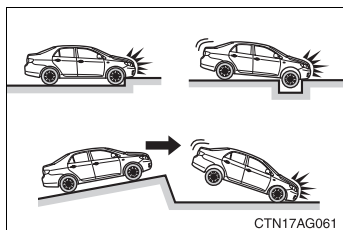
- It is possible that in some collisions where the forward deceleration of the vehicle is very close to the designed threshold level, the SRS front airbags and the seat belt pretensioners may not activate together.

■ Operating conditions (side airbags [if equipped] or side airbags and curtain shield airbags [if equipped])

The SRS side airbags (if equipped) or side airbags and curtain shield airbags (if equipped) are designed to inflate when the passenger compartment is subjected to a severe impact from the side.

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

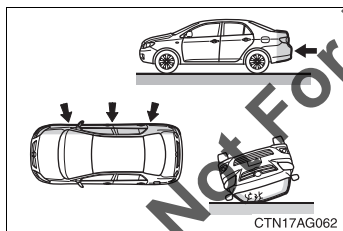
The SRS front airbags may also deploy if a serious impact occurs to the underside of your vehicle. Some examples are shown in the illustration.



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

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

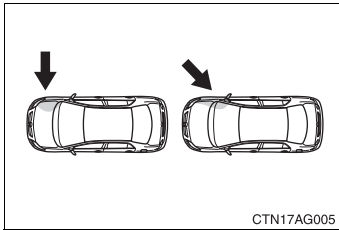
The SRS front airbags are generally not designed to inflate if the vehicle is involved in a side or rear collision, if it rolls over, or if it is involved in a low-speed frontal collision. But, whenever a collision of any type causes sufficient forward deceleration of the vehicle, deployment of the SRS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



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

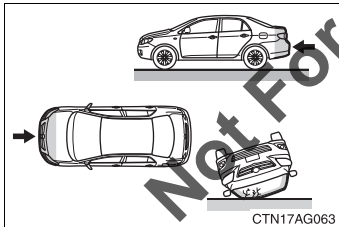
■ **Types of collisions that may not deploy the SRS airbag (side airbags [if equipped] or side airbags and curtain shield airbags [if equipped])**

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



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

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

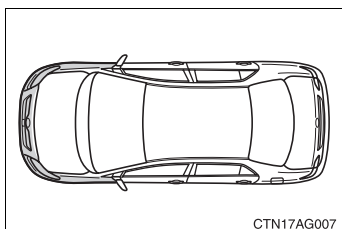


- Collision from the front
- Collision from the rear
- Vehicle rollover

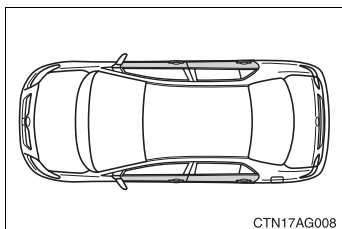
■ When to contact your Toyota dealer

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

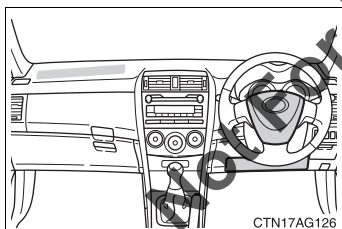
- Any of the SRS airbags have been inflated.



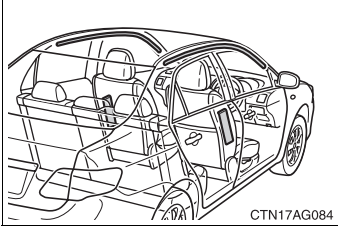
- The front of the vehicle is damaged or deformed, or was involved in an accident that was not severe enough to cause the SRS airbags to inflate.



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



- Vehicles with a knee airbag: The pad section of the steering wheel or dashboard or lower portion of the instrument panel is scratched, cracked, or otherwise damaged.
- Vehicles without a knee airbag: The pad section of the steering wheel or dashboard near the front passenger airbag is scratched, cracked, or otherwise damaged.



- The surface of the seats with the side airbag is scratched, cracked, or otherwise damaged.
- Vehicles with curtain shield airbags: The portion of the front pillars, rear pillars or roof side rail garnishes (padding) containing the curtain shield airbags is scratched, cracked or otherwise damaged.

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1

Before driving

 CAUTION

SRS airbag precautions

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

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

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

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

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

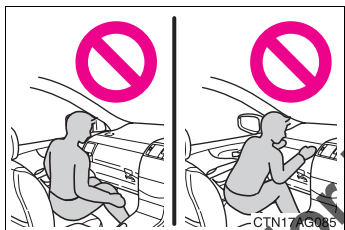
- Move your seat to the rear as far as you can while still reaching the pedals comfortably.
- Slightly recline the back of the seat.
Although vehicle designs vary, many drivers can achieve the 250 mm (10 in.) distance, even with the driver seat all the way forward, simply by reclining the back of the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

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

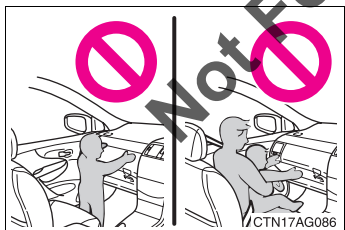
CAUTION

SRS airbag precautions

- The SRS front passenger airbag also deploys with considerable force, and can cause death or serious injury especially if the front passenger is very close to the airbag. The front passenger seat should be as far from the airbag as possible with the seatback adjusted, so the front passenger sits upright.
- Improperly seated and/or restrained infants and children can be killed or seriously injured by a deploying airbag. An infant or child who is too small to use a seat belt should be properly secured using a child restraint system. Toyota strongly recommends that all infants and children be placed in the rear seats of the vehicle and properly restrained. The rear seats are the safest for infants and children. (→P. 59)



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



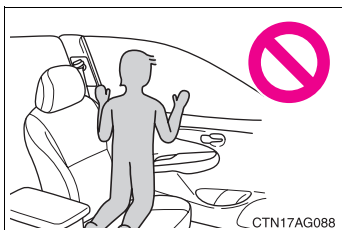
- Do not allow a child to stand in front of the SRS front passenger airbag unit or sit on the knees of a front passenger while the vehicle is moving.
- Do not drive the vehicle while the driver or passenger has items resting on their knees.

! CAUTION

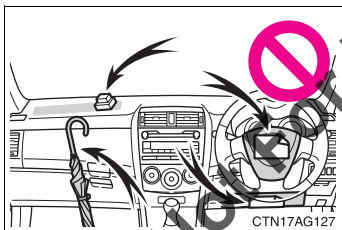
SRS airbag precautions



- Vehicles with curtain shield airbags: Do not lean against the door, the roof side rail or the front, side and rear pillars.
- Vehicles without curtain shield airbags: Do not lean against the front door.



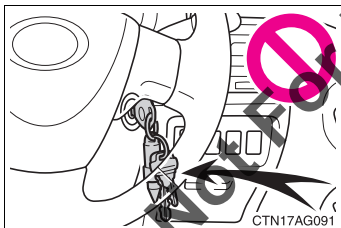
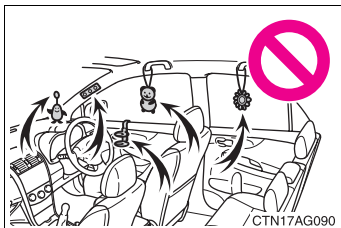
- Vehicles with side and curtain shield airbags: Do not allow anyone to kneel on the passenger seat toward the door or put their head or hands outside the vehicle.



- Vehicles with a knee airbag: Do not attach anything to or lean anything against areas such as the dashboard, steering wheel pad or lower portion of the instrument panel. These items can become projectiles when SRS driver, front passenger and knee airbags deploy.
- Vehicles without a knee airbag: Do not attach anything to or lean anything against areas such as the dashboard or steering wheel pad. These items can become projectiles when SRS driver and front passenger airbags deploy.

CAUTION

SRS airbag precautions



- Vehicles with curtain shield airbags: Do not attach anything to areas such as the door, windshield glass, side door glass, front and rear pillars, roof side rail or assist grip.
- Vehicles with curtain shielded airbags: Do not hang coat hangers or other hard objects on the coat hooks. All of these items could become projectiles and seriously injure or kill you, should the SRS curtain shield airbag deploy.
- Vehicles without curtain shield airbags: Do not attach anything to areas such as the door, windshield glass or side door glass.
- Vehicles without smart entry & start system and with a knee airbag: Do not attach any heavy, sharp or hard objects such as keys or 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.
- Vehicles with a knee airbag: If the vinyl cover is put on the area where the SRS knee airbag will deploy, be sure to remove it.
- Do not use seat accessories which cover the parts where the SRS side airbags (if equipped) inflate as they may interfere with inflation of the airbags.
- Do not strike or apply significant levels of force to the area of the SRS airbag components shown on P. 48. 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.

 CAUTION

■ **SRS airbag precautions**

- If breathing becomes difficult after the SRS airbag has deployed, open a door or window to allow fresh air in, or leave the vehicle if it is safe to do so. Wash off any residue as soon as possible to prevent skin irritation.
- Vehicles with curtain shield airbags: If the areas where the SRS airbags are stored, such as the steering wheel pad and front and rear pillars garnishes, are damaged or cracked, have them replaced by your Toyota dealer.
- Vehicles without curtain shield airbags: If the areas where the SRS airbags are stored, such as the steering wheel pad are damaged or cracked, have them replaced by your Toyota dealer.

■ **Modification and disposal of SRS airbag system components**

Do not dispose of your vehicle or perform any of the following modifications without consulting your Toyota dealer.

The SRS 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 rail.
- Repairs or modifications of the front fender, front bumper, or side of the occupant compartment.
- Installation of snow plows, winches, etc. to the front grille (bull bars, kangaroo bar etc.).
- Modifications to the vehicle's suspension system.
- Installation of electronic devices such as mobile two-way radios or CD players.

1-7. Safety information

Child restraint systems

Toyota strongly urges the use of child restraint systems.

Points to remember

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

- Choose a child restraint system 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. 67)
- If child restraint system regulations exist in the country where you reside, please contact your Toyota dealer for the child restraint system installation.
- Toyota recommends that you use a child restraint system which conforms to the regulation "ECE No.44".

Types of child restraints

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

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

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

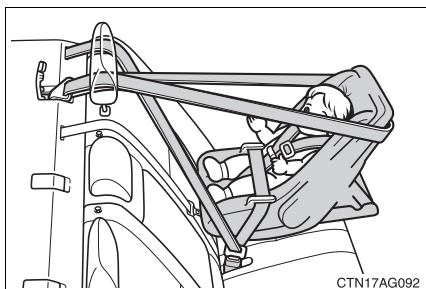
Group I: 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)

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

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

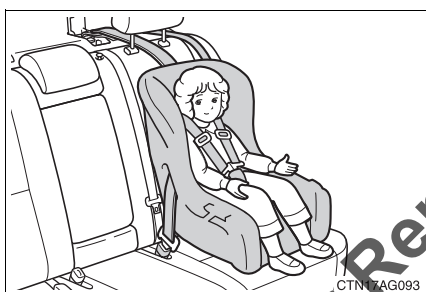
In this owner's manual, the following popular 3 types of child restraint systems that can be secured with the seat belts are explained.

► Baby seat (infant seat)



Equal to Group 0 and 0⁺ of "ECE No.44"

► Child seat (convertible seat)



Equal to Group 0⁺, I and II of "ECE No.44"

► Junior seat (booster seat)



Equal to Group III of "ECE No.44"

Child restraint system suitability for various seating positions

Provided information in the table shows your child restraint system suitability for various seating positions.

Seating position Mass groups	Front passenger seat	Rear seat	
		Outside	Center
0 Up to 10 kg (22 lb.) (0 - 9 months)	X Never put	U	U
0 ⁺ Up to 13 kg (28 lb.) (0 - 2 years)	X Never put	U	U
I 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)	Front facing UF	U	U
	Rear facing — Never put		
II, III 15 to 36 kg (34 to 79 lb.) (4 - 12 years)	UF	U	U

Key of letters inserted in the above table:

U: Suitable for “universal” category child restraint system approved for the use in this mass group.

UF: Suitable for forward-facing “universal” category child restraint system approved for the use in this mass group.

X: Not suitable seat position for children in this mass group.

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

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

Not For Reproduction

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

Provided information in the table shows your child restraint system suitability for various seating positions.

Mass groups	Size class	Fixture	Vehicle ISOFIX positions
			Rear outside
Carrycot	F	ISO/L1	X
	G	ISO/L2	X
		(1)	X
0 Up to 10 kg (22 lb.) (0 - 9 months)	E	ISO/R1	X
		(1)	X
0 ⁺ Up to 13 kg (28 lb.) (0 - 2 years)	E	ISO/R1	X
	B	ISO/R2	X
	C	ISO/R3	X
		(1)	X
I 9 to 18 kg (20 to 39 lb.) (9 months - 4 years)	D	ISO/R2	X
	C	ISO/R3	X
	B	ISO/F2	IUF
	B1	ISO/F2X	IUF
	A	ISO/F3	IUF
		(1)	X
II, III 15 to 36 kg (34 to 79 lb.) (4 - 12 years)		(1)	X

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

Key of letters inserted in the above table:

IUF: Suitable for ISOFIX forward-facing child restraint systems of universal category approved for use in this mass group.

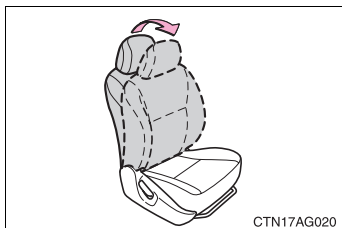
X: ISOFIX position not suitable for ISOFIX child restraint systems in this mass group and/or this size class.

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

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

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■ When installing the child restraint system on the front passenger seat



When you have to use a child restraint system in the front passenger seat, adjust the seatback to the most upright position.

■ When the child restraint system is not in use

Leave the child restraint system properly secured on the seat. Do not store the restraint loosely on a passenger seat or in the trunk.

■ Selecting an appropriate child restraint system

Get an appropriate child restraint system for the child. If a child is too large for a child restraint system, sit the child on a rear seat and use the vehicle's seat belt. (→P. 24)

⚠ CAUTION

■ Using a child restraint system

The use of a child restraint system not suitable for the vehicle may not properly secure the infant or child. Therefore, they could be killed or seriously injured.

■ Child restraint precautions

- For effective protection in automobile accidents and sudden stops, a child must be properly restrained, using a seat belt or child restraint system depending on the age and size of the child. Holding a child in your arms is not a substitute for a child restraint system. In an accident, the child can be crushed against the windshield, or between you and the vehicle's interior.
- Toyota strongly urges the use of a proper child restraint system that conforms to the size of the child, installed on the rear seat. According to accident statistics, the child is safer when properly restrained in the rear seat than in the front seat.

 CAUTION

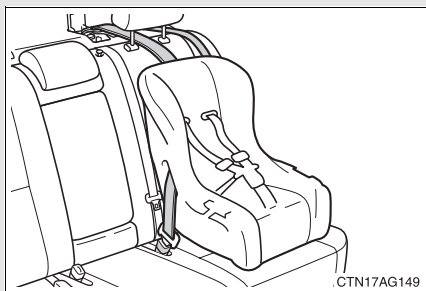
■ **Child restraint precautions**

- Never install a rear-facing child restraint system on the front passenger seat. In the event of an accident, the force of the rapid inflation of the front passenger airbag can cause death or serious injury to the child if the rear-facing child restraint system is installed on the front passenger seat.
- A forward-facing child restraint system should allowed to be installed on the front passenger seat only when it is unavoidable. Always move the seat as far back as possible, because the front passenger airbag could inflate with considerable speed and force. Otherwise, the child may be killed or seriously injured.
- Vehicles with side and curtain shield airbags: 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 rail from which the side airbags or curtain shield airbags deploy even if the child is seated in the child restraint system. It is dangerous if the side airbags and curtain shield airbags inflate, and the impact could cause death or serious injury to the child.
- Vehicles with side airbags: 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 from which the side airbags deploy even if the child is seated in the child restraint system. It is dangerous if the side 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 or accident.

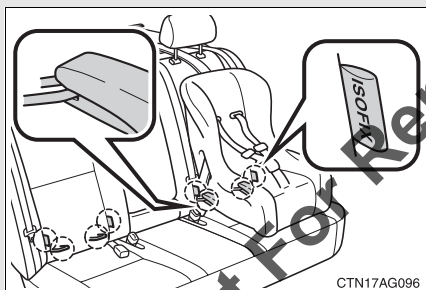
1-7. Safety information

Installing child restraints

Follow the child restraint system manufacturer's instructions. Firmly secure child restraints to the outside rear seats using a seat belt or a child restraint lower anchor belt. Attach the top strap when installing a child restraint.

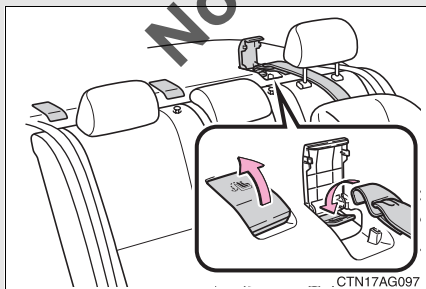


Seat belts equipped with a child restraint locking mechanism (ALR/ELR belts on the rear seats)



ISOFIX rigid anchor (ISOFIX child restraint system)

Lower anchorages are provided for the outside rear seats. (Tags displaying the location of the anchorages are attached to the seats.)

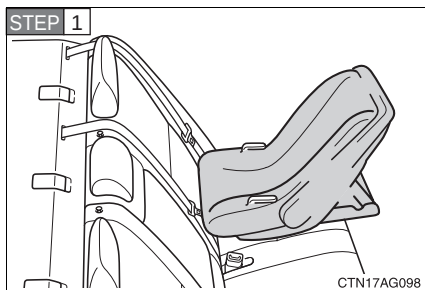


Child restraint anchor fitting

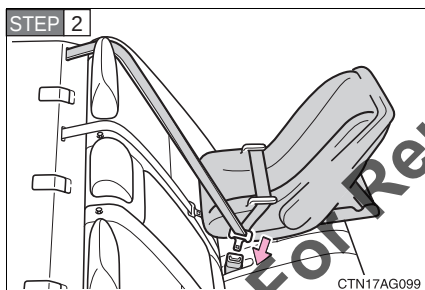
Anchor brackets are provided for all rear seats.

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

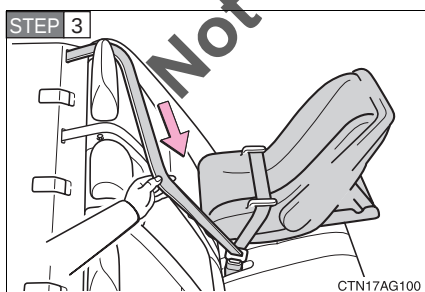
■ **Rear facing child seat — Baby seat (infant seat)/child seat (convertible seat)**



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

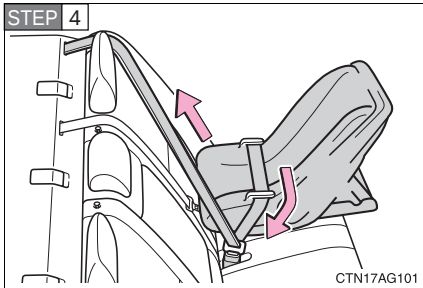


Run the seat belt through the infant seat and insert the plate into the buckle. Make sure that the belt is not twisted.



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

Lock mode allows the seat belt to retract only.



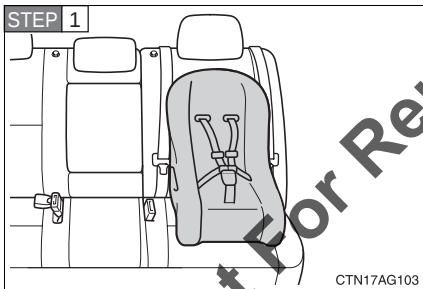
While pushing the child seat down into the rear seat, allow the shoulder belt to retract until the child seat is securely in place.

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

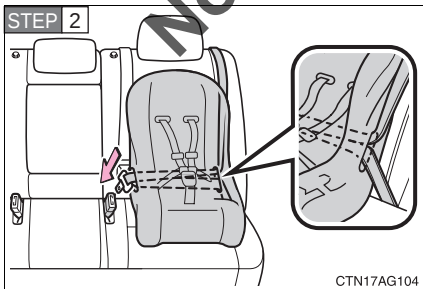
STEP 5 Latch the hook of the top strap onto the anchor bracket.
(→P. 73)

Make sure the seat belt is tightly secured, and that there is not slack in the belt.

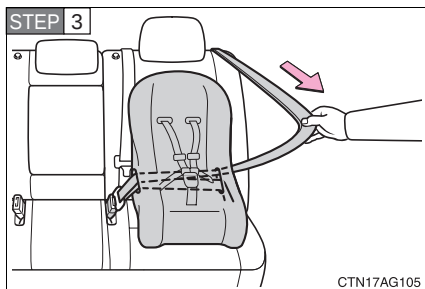
■ Forward facing — Child seat (convertible seat)



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

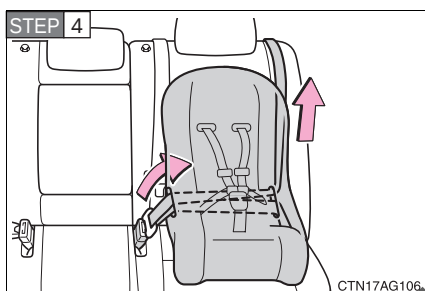


Run the seat belt through the child seat and insert the plate into the buckle. Make sure that the belt is not twisted.



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

Lock mode allows the seat belt to retract only.



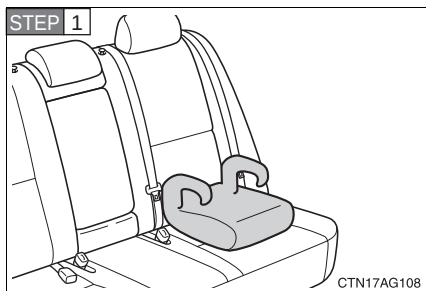
While pushing the child seat into the rear seat, allow the shoulder belt to retract until the child seat is securely in place.

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

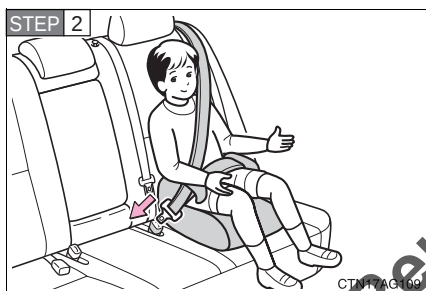
STEP 5 Latch the hook of the top strap onto the anchor bracket.
(→P. 73)

Make sure the seat belt is tightly secured, and that there is not slack in the belt.

■ Junior seat (booster seat)



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



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

Check that the shoulder belt is correctly positioned over the child's shoulder, and that the lap belt is as low as possible.

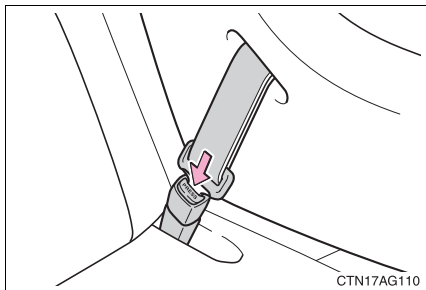
(→P. 24)

1

Before driving

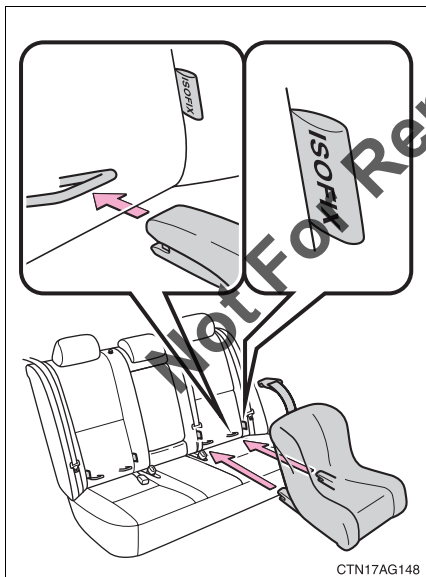
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Removing a child restraint installed with a seat belt



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

Installation with ISOFIX rigid anchor (ISOFIX child restraint system)



Check the positions of the exclusive fixing bars, and install the child restraint system to the seat.

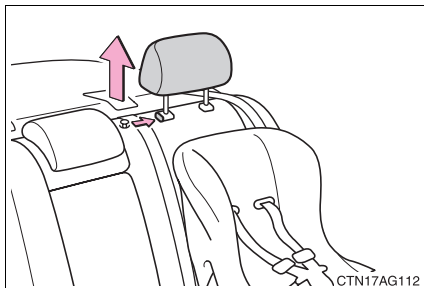
The bars are installed in the clearance between the seat cushion and seatback.

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

Child restraint systems with a top strap

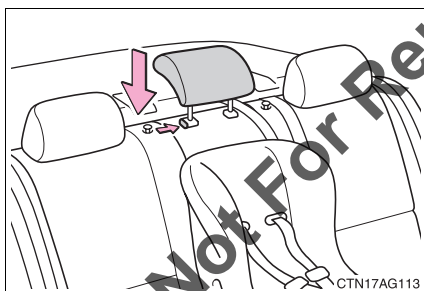
STEP 1 Secure the child restraint using a seat belt or ISOFIX rigid anchors, and do the following.

► Outside

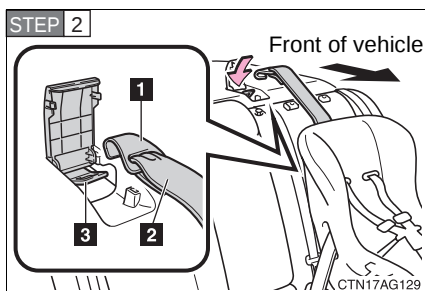


Remove the head restraint.

► Center



Lock the head restraint in place at the lowest position.



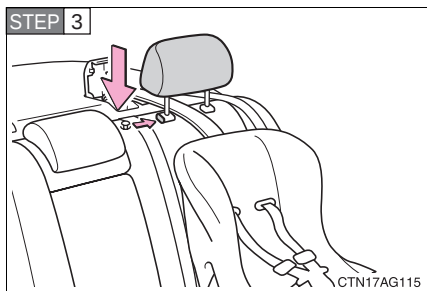
Open the anchor bracket cover, latch the hook onto the anchor bracket and tighten the top strap.

Make sure the top strap is securely latched.

- 1** Hook
- 2** Top strap
- 3** Anchor bracket

1

Before driving



Outside only: Replace the head restraint.

■ **When installing a child restraint system in the front passenger's seat**

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

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

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! CAUTION**■ When installing a junior (booster) seat**

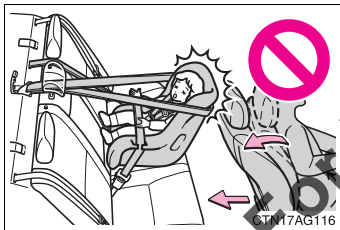
Do not fully extend the shoulder belt to prevent the belt from going to ALR lock mode: (→P. 26)

- ALR mode causes the belt to tighten only which could cause injury or discomfort to the child.
- Do not allow the child to play with the seat belt or the child could be killed or seriously injured.

■ 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 may be seriously injured or even killed in the event of sudden braking or an accident.



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

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

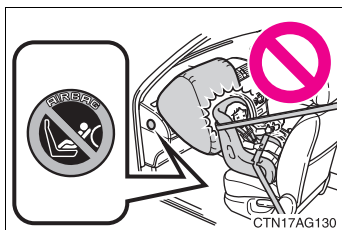


- When installing a forward facing or junior (booster) child restraint on the front passenger seat, move the seat as far back as possible.

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

! CAUTION

When installing a child restraint system



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

There is a sticker on the passenger side of the instrument panel indicating it is forbidden to attach a rearward facing child restraint to the front passenger seat.

- If child restraint system regulations exist in the country where you reside, please contact your Toyota dealer for the child restraint system installation.
- When a junior (booster) seat is installed, always ensure that the shoulder belt is positioned across the center of the child's shoulder. The belt should be kept away from the child's neck, but not so that it could fall off the child's shoulder. Failing to do so may result in death or serious injury in the event of an accident or sudden braking.
- Ensure that the belt and tab are securely locked and the seat belt is not twisted.
- Push and pull the child seat in different directions to be sure it is secure.
- Follow all installation instructions provided by the child restraint system manufacturer.

To correctly attach a child seat to the anchorages

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

 CAUTION**■ Using child restraint anchorages**

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

1

Before driving

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When driving

2

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2-1. Driving procedures

Driving the vehicle

The following procedures should be observed to ensure safe driving.

■ Starting the engine

→P. 89, 93

■ Driving

► Automatic transmission

STEP 1 With the brake pedal depressed, shift the shift lever to D.
(→P. 96)

STEP 2 Release the parking brake. (→P. 101)

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

► Manual transmission

STEP 1 With the clutch pedal fully depressed, shift the shift lever to 1. (→P. 98)

STEP 2 Release the parking brake. (→P. 101)

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.

When the vehicle is stopped for an extended period of time, shift the shift lever to P or N. (→P. 96)

► Manual transmission

STEP 1 With the clutch pedal fully depressed, depress the brake pedal.

STEP 2 If necessary, set the parking brake.

When the vehicle is stopped for an extended period of time, shift the shift lever to N. (→P. 98)

■ Parking the vehicle

► Automatic transmission

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

STEP 2 Set the parking brake. (→P. 101)

STEP 3 Shift the shift lever to P. (→P. 96)

When parking on a hill, if necessary, block the wheels.

STEP 4 Turn the engine switch OFF and stop the engine.

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

► Manual transmission

STEP 1 With the clutch pedal fully depressed, depress the brake pedal.

STEP 2 Set the parking brake. (→P. 101)

STEP 3 Shift the shift lever to N. (→P. 98)

When parking on a hill, shift the shift lever to 1 or R. If necessary, block the wheels.

STEP 4 Turn the engine switch OFF and stop the engine.

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

Starting on a steep uphill

► Automatic transmission

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

STEP 2 Gently depress the accelerator pedal.

STEP 3 Release the parking brake.

► 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.

■ Breaking in your new Toyota

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

- For the first 300 km (200 miles):
 - Avoid sudden stops.
- For the first 1000 km (621 miles):
 - Do not drive at extremely high speeds.
 - Avoid sudden acceleration.
 - Do not drive continuously in the low gears.
 - Do not drive at a constant speed for extended periods.

■ Operating your vehicle in a foreign country

Comply with the relevant vehicle registration laws and confirm the availability of the correct fuel. (→P. 312)

CAUTION

When starting the vehicle

Vehicles with 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.
-  Do not drive the vehicle over or stop the vehicle near flammable materials. The exhaust system and exhaust gases can be extremely hot. This may cause a fire if there is any flammable material nearby.
-  Vehicles with automatic transmission: Do not let the vehicle roll backwards while the shift lever is in a driving position, or roll forward while the shift lever is in R.
 Doing so may cause the engine to stall or lead to poor brake and steering performance, resulting in an accident or damage to the vehicle.
-  If you smell exhaust fumes in the vehicle, close the trunk lid and open the windows to ensure plenty of fresh air enters the vehicle. If you can smell exhaust fumes even though there are no other vehicles in surrounding area, have the vehicle checked by your Toyota dealer. Continued inhalation of exhaust fumes can lead to carbon monoxide poisoning, resulting in death.
-  Do not under any circumstances shift the shift lever to P, R or N (automatic transmission vehicles) or R (manual transmission vehicles) while the vehicle is moving.
 Doing so can cause significant damage to the transmission system and may result in a loss of vehicle control.
-  Do not shift the shift lever to N while the vehicle is moving.
 Doing so may cause the engine brake to not operate properly and lead to an accident.

 CAUTION

- Do not turn the engine off while driving.
The power steering and brake booster systems will not operate properly if the engine is not running.
- 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. 96)
- When stopped on an inclined surface, use the brake pedal and parking brake to prevent the vehicle from rolling backward or forward and causing an accident.
- Do not adjust the position of the steering wheel, the seat, or the inside or outside rear view mirrors while driving.
Doing so may result in a loss of vehicle control that can cause accidents that may result in death or serious injury.
- Always check that all passengers' arms, heads or other parts of their bodies are not outside the vehicle, as this may result in death or serious injury.
- **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 changes in engine speed, such as engine braking caused by up-shifting or down-shifting, may cause the vehicle to skid, resulting in an accident.
 - 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.
This may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

CAUTION

When the vehicle is stopped

- Do not race the engine.

If the vehicle is in any gear other than P (automatic transmission only) or N the vehicle may accelerate suddenly and unexpectedly, and may cause 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.

- Vehicles with an automatic transmission: Always keep a foot on the brake pedal while the engine is running to prevent an accident caused by the vehicle moving.

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

- Always apply the parking brake, shift the shift lever to P (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 snow is expected to fall.

Exhaust gases may enter the vehicle and cause gas poisoning.

 CAUTION

■ **Exhaust gases**

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, make sure to have the vehicle inspected and repaired by your Toyota dealer. Failure to do so may allow exhaust gases to enter the vehicle, resulting in carbon monoxide poisoning.

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

Always turn the engine off.

Otherwise, you may accidentally move the shift lever or depress the accelerator pedal, which could cause an accident or fire due to abnormal engine overheating. Additionally, if the vehicle is parked in a poorly ventilated area, exhaust fumes may enter the vehicle and cause gas poisoning.

■ **When braking the vehicle**

● If the power brake assist function does not operate, do not follow other vehicles closely and avoid downhills or sharp turns that require braking. In this case, braking is still possible, but it will require more force on the pedal than usual. Braking distance may also increase.

● 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 braking distance becomes longer.

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

**NOTICE**

■ **When driving the vehicle**

► Vehicles with a manual transmission

- Do not rest your foot on the clutch pedal while driving.
Doing so may cause clutch trouble.
- Do not use any gears other than the first 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.

► Vehicles with an automatic transmission

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

■ **When parking the vehicle**

Vehicles with an automatic transmission: Always put the shift lever in P. Failure to do so may cause the vehicle to move or the vehicle may accelerate suddenly if the accelerator pedal is accidentally depressed.

■ **Avoiding damage to vehicle parts**

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

 NOTICE

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

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

The rotor damage can result if the pads are not replaced when needed.

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

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

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

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

Replace a flat tire with a new one. (→P. 285)

■ **When encountering flooded roads**

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

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

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

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

2-1. Driving procedures

Starting the engine (vehicles with smart entry & start system)

■ Starting the engine

► Automatic transmission

The engine can be started in any mode by operating the engine switch at the same time as depressing the brake pedal.

STEP 1 Check that the parking brake is set.

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

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

The engine switch indicator turns green. If the indicator does not turn green, the engine cannot be started.

STEP 4 Press the engine 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.

► Manual transmission

The engine can be started in any mode by operating the engine switch at the same time as depressing the clutch pedal.

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 switch indicator turns green. If the indicator does not turn green, the engine cannot be started.

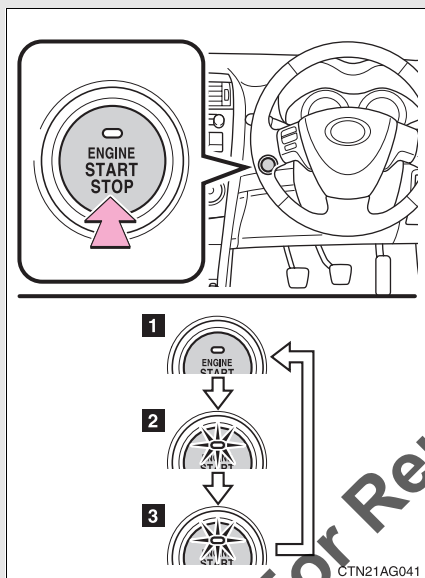
STEP 4 Press the engine switch.

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

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

■ Changing engine switch mode

Modes can be switched by pressing the engine switch when carrying the electronic key on your person.



1 OFF*

Emergency flashers can be used.

2 ACC mode

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

The engine switch indicator turns amber.

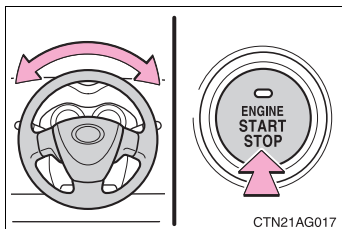
3 ON mode

All electrical components can be used.

The engine switch indicator turns amber.

*: The engine cannot be switched to OFF unless the shift lever is in P.

■ Steering lock release



Make sure that the steering wheel lock is released.

To release the steering wheel lock, gently turn the wheel left or right while pressing the engine switch.

When the steering wheel lock does not release, the engine switch indicator will flash green.

■ If the engine does not start

The engine immobilizer system may not have been deactivated. (→P. 41)

■ When the engine switch indicator flashes in amber

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

■ Auto power OFF function

The engine switch will automatically turn OFF when left in ACC mode for 1 hour or more.

■ Key battery depletion

→P. 9

■ When the electronic key battery is discharged

→P. 296

■ Conditions affecting operation

→P. 8

■ Note for the entry function

→P. 9

 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 touch the engine switch while driving.
Pressing and holding the engine switch will stop the engine, which may lead to an unexpected accident.

 NOTICE

■ **To prevent battery discharge**

Do not leave the engine switch in ACC or ON mode for long periods without the engine running.

■ **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.

2-1. Driving procedures

Starting the engine (vehicles without smart entry & start system)

■ Starting the engine

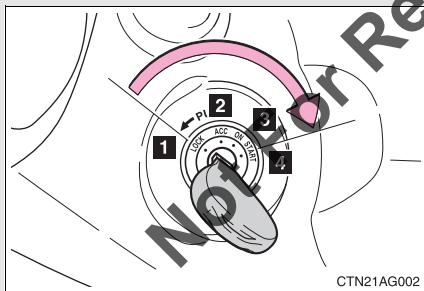
► Automatic transmission

- STEP 1** Check that the parking brake is set.
- STEP 2** Check that the shift lever is set in P.
- STEP 3** Sit in the driver's seat and firmly depress the brake pedal.
- STEP 4** Turn the engine switch to the "START" position and 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 and start the engine.

■ Changing engine switch mode



1 "LOCK" (OFF)

The steering wheel is locked and the key can be removed.

2 "ACC" (ACC mode)

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

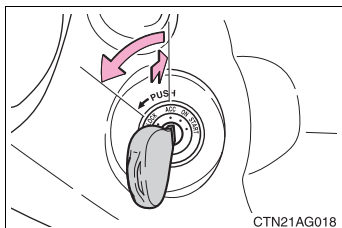
3 "ON" (ON mode)

All electrical components can be used.

4 "START"

For starting the engine.

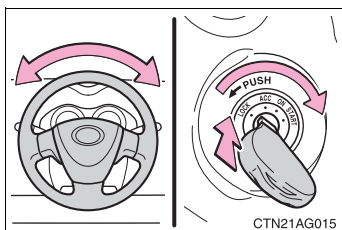
■ Turning the key from “ACC” to “LOCK”



STEP 1 Shift the shift lever to N (manual transmission) or P (automatic transmission). (→P. 96, 98)

STEP 2 Push in the key and turn to the “LOCK” position.

■ Steering lock release



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 in either direction.

■ If the engine does not start

The engine immobilizer system may not have been deactivated. (→P. 41)

■ Key reminder function

A buzzer sounds if the driver's door is opened, while the engine switch is in OFF or ACC mode 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 while starting the engine under any circumstances.

Doing so may cause an accident resulting in death or serious injury.

**NOTICE****■ To prevent battery discharge**

Do not leave the key in the “ACC” or “ON” position for a long periods if the engine is not running.

■ When starting the engine

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

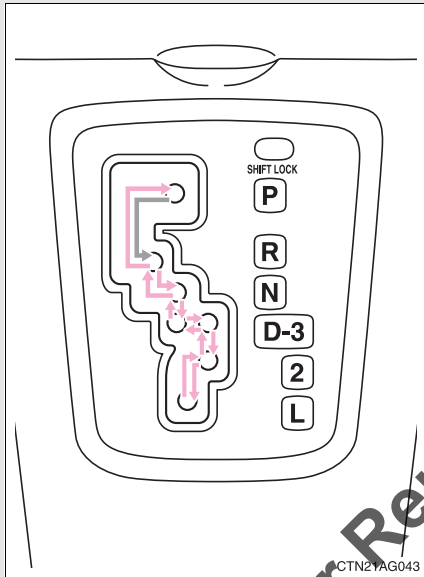
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2-1. Driving procedures

Automatic transmission (if equipped)

Select a shift position appropriate for the driving conditions.

■ Shifting the shift lever



While the engine switch is in ON mode, depress the brake pedal and move the shift lever.

■ Shift position uses

Shift position	Function
P	Parking the vehicle or starting the engine
R	Reversing
N	Neutral
D	Normal driving*
3	Position for engine braking
2	Position for more powerful engine braking
L	Position for maximum engine braking

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

■ Downshifting restrictions

The shift lever cannot be downshifted if the following speeds are exceeded.

km/h (mph)

Downshifting	Maximum speed
3→2	92 (57)
2→L	45 (27)

■ Reverse warning buzzer

When shifting into R, a buzzer will sound to inform the driver that the shift lever is in R.

■ When driving with the cruise control system

The engine brake will not operate when downshifting from D to 3. (→P. 131)

■ If the shift lever cannot be shifted from P

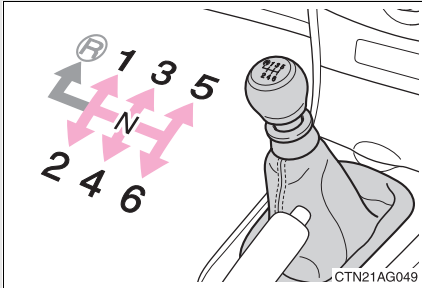
→P. 294

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2-1. Driving procedures

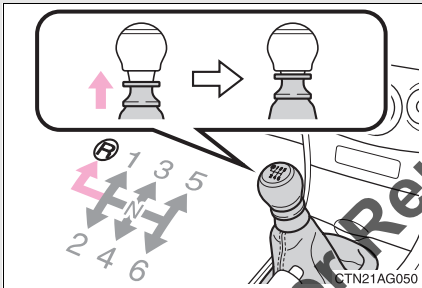
Manual transmission (if equipped)

■ 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.

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■ Maximum allowable speeds

Observe the following maximum allowable speeds in each gear when maximum acceleration is necessary.

km/h (mph)

Shift position	Maximum speed
1	51 (31)
2	85 (52)
3	124 (77)
4	168 (104)
5	199 (123)

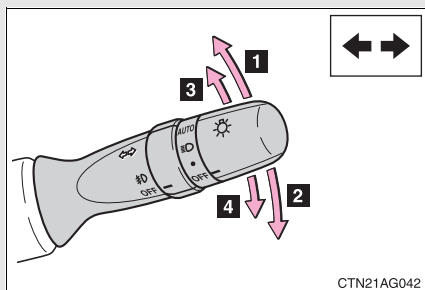
2

When driving

Not For Reproduction

2-1. Driving procedures

Turn signal lever



1 Left turn

2 Right turn

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

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

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

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

■ **Turn signals can be operated when**

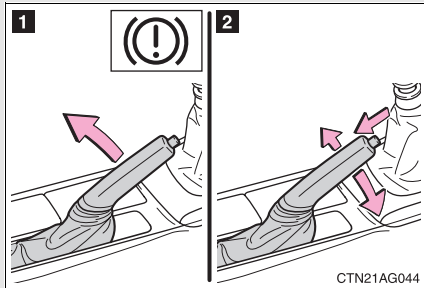
The engine switch is in ON mode.

■ **If the indicators flash faster than usual**

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

2-1. Driving procedures

Parking brake



1 Sets the parking brake

Fully set the parking brake while depressing the brake pedal.

2 Releases the parking brake

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



NOTICE

Before driving

Fully release the parking brake.

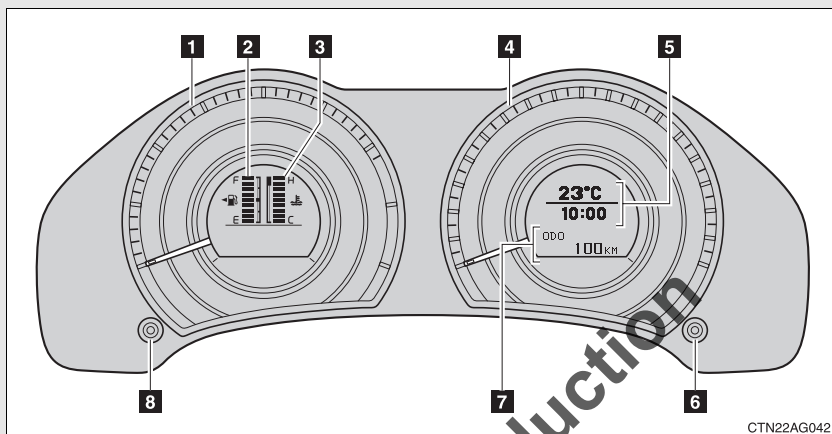
Driving the vehicle with the parking brake set will lead to brake components overheating, which may affect braking performance and increase brake wear.

Not For Reproduction

2-2. Instrument cluster

Gauges and meters

► Vehicles with Optitron type meters



CTN22AG042

The following gauges, meters and displays illuminate when the engine switch is in ON mode.

- 1 Tachometer**
Displays the engine speed in revolutions per minute.
- 2 Fuel gauge**
Displays the quantity of fuel remaining in the tank.
- 3 Engine coolant temperature gauge**
Displays the engine coolant temperature.
- 4 Speedometer**
Displays the vehicle speed.
- 5 Multi-information display**
→P. 111
- 6 Odometer/trip meter/instrument panel light control and trip meter reset button**
→P. 106

7 Odometer, trip meter and instrument panel light control display

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

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

Instrument panel light control display: Displays the brightness of the instrument panel lights when the headlight switch is on.

8 "DISP" button

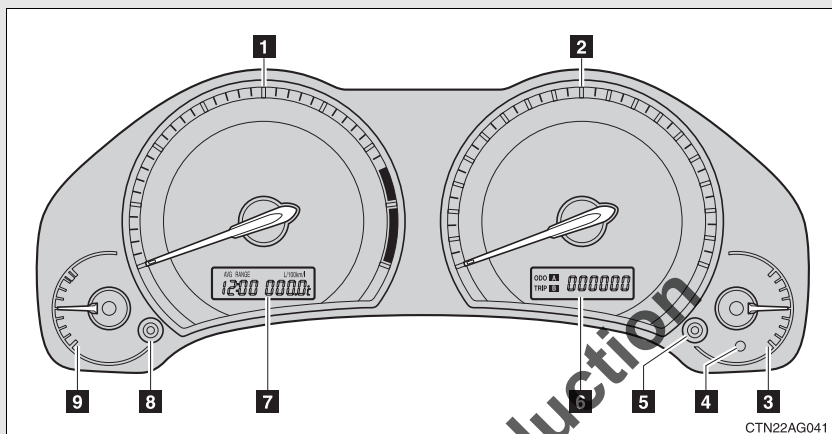
Switches the multi-information display.

2

When driving

Not For Reproduction

► Vehicles without Optitron type meters



1 Tachometer

Displays the engine speed in revolutions per minute.

2 Speedometer

Displays the vehicle speed.

3 Fuel gauge

Displays the quantity of fuel remaining in the tank.

4 Low fuel level warning light

→P. 272

5 Odometer/trip meter/instrument panel light control and trip meter reset button

→P. 106

6 Odometer, trip meter and instrument panel light control display

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

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

Instrument panel light control display: Displays the brightness of the instrument panel lights when the headlight switch is on.

7 Multi-information display

→P. 119

8 “DISP” button

Switches the multi-information display.

9 Engine coolant temperature gauge

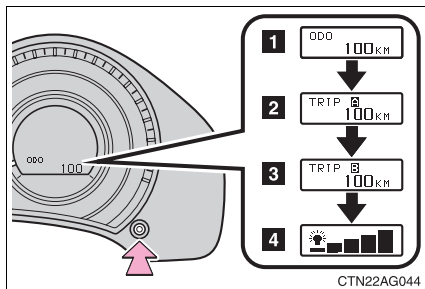
Displays the engine coolant temperature.

Not For Reproduction

Odometer, trip meter and instrument panel light control display button

Pressing this button switches among odometer, trip meter and instrument panel light control displays (when the headlight switch is ON).

► Vehicles with Optitron type meters

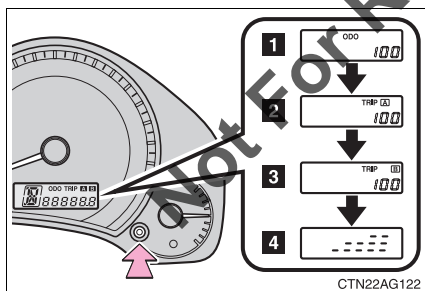


- 1 Odometer
- 2 Trip meter A^{*1}
- 3 Trip meter B^{*1}
- 4 Instrument panel light control display^{*2}

^{*1}: Pushing and holding the button will reset the trip meter.

^{*2}: Pushing and holding the button will adjust brightness of the instrument panel lights.

► Vehicles without Optitron type meters



- 1 Odometer
- 2 Trip meter A^{*1}
- 3 Trip meter B^{*1}
- 4 Instrument panel light control display^{*2}

^{*1}: Pushing and holding the button will reset the trip meter.

^{*2}: Pushing and holding the button will adjust brightness of the instrument panel lights.

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

- Do not let the indicator needle of the tachometer enter the red zone, which indicates the maximum engine speed.
- The engine may be overheating if the temperature gauge is in the red zone (H). In this case, immediately stop the vehicle in a safe place, check the engine after it has cooled completely. (→P. 303)

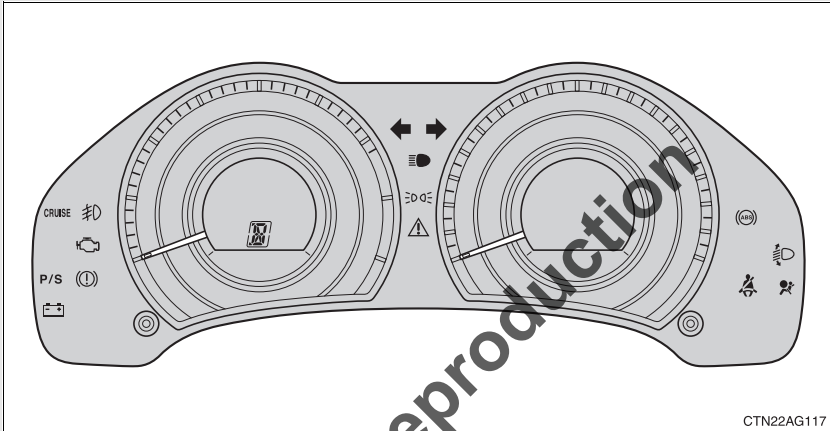
Not For Reproduction

2-2. Instrument cluster

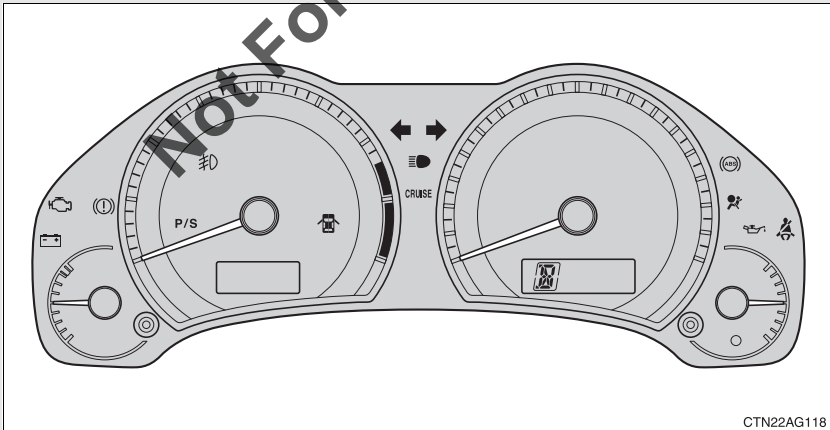
Indicators and warning lights

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

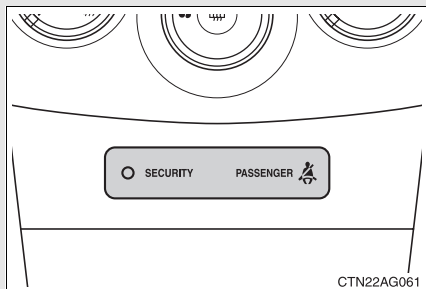
► Instrument cluster (vehicles with Optitron type meters)



► Instrument cluster (vehicles without Optitron type meters)



► Center panel



■ Indicators

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



Turn signal indicator
(→P. 100)



(if equipped)

Tail light indicator
(→P. 122)



Headlight high beam indicator (→P. 122)



(if equipped)

Front fog light indicator
(→P. 125)



Shift position indicators
(→P. 96)



(if equipped)

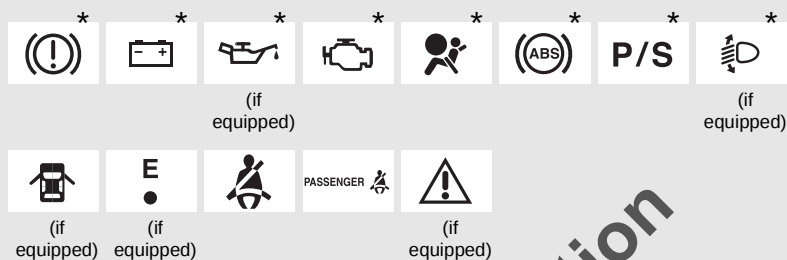
Cruise control indicator
(→P. 131)

(Automatic transmission vehicles)

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

■ Warning lights

Warning lights inform the driver of malfunctions in any of the vehicle's systems. (→P. 270)



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

⚠ CAUTION

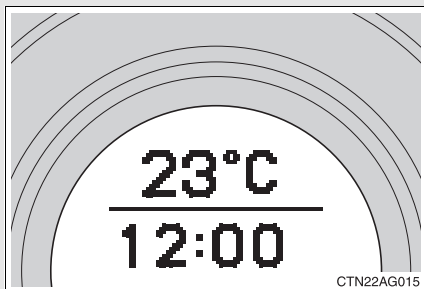
■ If a safety system warning light does not come on

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

2-2. Instrument cluster

Multi-information display (vehicles with Optitron type meters)

The multi-information display presents the driver with a variety of driving-related data, including the outside temperature, clock and date.



- Outside temperature display (→P. 112)

Indicates the outside temperature.

- Clock (→P. 112, 114)

Indicates the time and sets the clock.

- Date (→P. 112, 114)

Indicates the date and sets it.

- Trip information

(→P. 112)

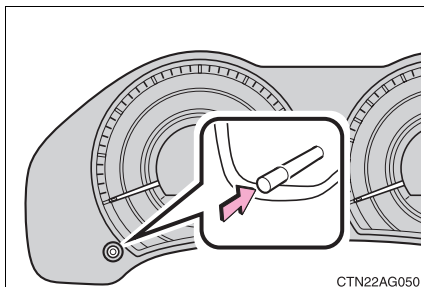
Displays driving range, fuel consumption and other cruising-related information.

- Warning messages

(→P. 274)

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

Switch the display



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

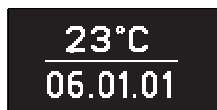
- Outside temperature and clock



Displays the outside air temperature and clock.

The temperature range that can be displayed is from -30°C (-22°F) to 50°C (122°F).

- Outside temperature and date



Displays the outside air temperature and date.

- Instantaneous fuel consumption



Displays the instantaneous fuel consumption.

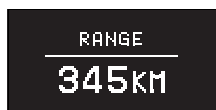
- Average fuel consumption



Displays the average fuel consumption since the function was reset.

The function can be reset by pressing the “DISP” button for longer than one second when the average fuel consumption is displayed.

● Driving range



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

This distance is computed based on your average fuel consumption. As a result, the actual distance that can be driven may differ from that displayed.

● Average vehicle speed



Displays the average vehicle speed since the engine was started or since the function was reset.

The function can be reset by pressing the "DISP" button for longer than one second when the average vehicle speed is displayed.

● Elapsed time



Displays the elapsed time since the engine was started or since the function was reset.

The function can be reset by pressing the "DISP" button for longer than one second when the elapsed time is displayed.

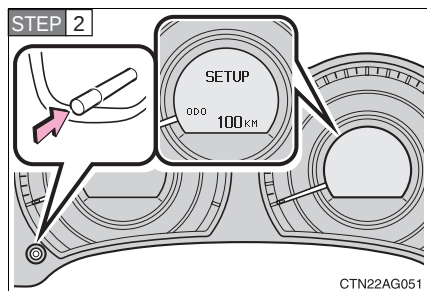
2

When driving

Set up display

■ Before setting

STEP 1 Display the set up screen on the multi-information display when the vehicle is stopped.



Press and hold the “DISP” button to enter the adjustment mode.



Select the desired item on the menu screen.

Press and hold the “DISP” button to enter the adjustment mode.

■ Setting the clock

STEP 1 Select "CLOCK" on the menu screen. (→P. 114)



Press the "DISP" button to adjust the hours.

After adjusting the hours, wait 5 seconds to allow the hours to be automatically input.



Press the "DISP" button to adjust the minutes.

After adjusting the minutes, wait 5 seconds to allow the minutes to be automatically input.

2

When driving

■ Setting the date

STEP 1 Select "DATE" on the menu screen. (→P. 114)



Press the "DISP" button to select the year.

After selecting the year, wait 5 seconds to allow the year to be automatically input.



Press the "DISP" button to select the month.

After selecting the month, wait 5 seconds to allow the month to be automatically input.



Press the "DISP" button to select the day.

After selecting the day, wait 5 seconds to allow the day to be automatically input.

■ Selecting the units

STEP 1 Select "UNITS" on the menu screen. (→P. 114)



Select the desired item on the unit screen.

Press and hold the "DISP" button to input the choice.

STEP 3 Select the desired item.

► Distance units



Select the desired distance unit.

Press and hold the "DISP" button to input the choice.

► Consumption units



Select the desired consumption unit.

Press and hold the "DISP" button to input the choice.

► Date form



Select the desired date form.

Press and hold the “DISP” button to input the choice.

■ **Selecting the language**

STEP 1 Select “LANGUAGE” on the menu screen. (→ P. 114)



Select the desired language.

Press and hold the “DISP” button to input the choice.

■ **Returning to the previous screen**

Select “BACK” on the menu screen.

Press and hold the “DISP” button to input the choice.

■ **When disconnecting and reconnecting battery terminals**

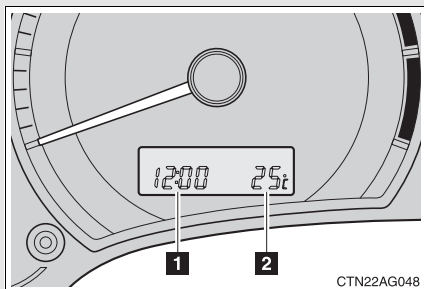
The following information data will be reset.

- Clock
- Date
- Average fuel consumption
- Driving range
- Average vehicle speed
- Elapsed time

2-2. Instrument cluster

Multi-information display (vehicles without Optitron type meters)

The multi-information display presents the driver with a variety of driving-related data, including the current outside air temperature and clock.



1 Clock

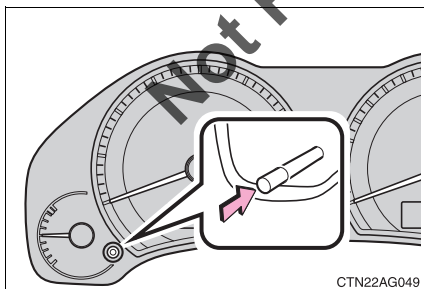
Indicates the time and sets the clock.

2 Trip information and outside temperature display

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

Outside temperature display: Indicates the outside temperature.

Switch the display



Display items can be switched by pressing the "DISP" button.

- Outside temperature



Displays the outside air temperature.

The temperature range that can be displayed is from -30°C (-22°F) to 50°C (122°F).

- Instantaneous fuel consumption



Displays the instantaneous of fuel consumption.

- Average fuel consumption



Displays the average fuel consumption since the function was reset.

The average fuel consumption can be reset by pressing the “DISP” button for longer than one second when the average fuel consumption is displayed.

- Driving range



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

This distance is computed based on your average fuel consumption. As a result, the actual distance that can be driven may differ from that displayed.

- Average vehicle speed

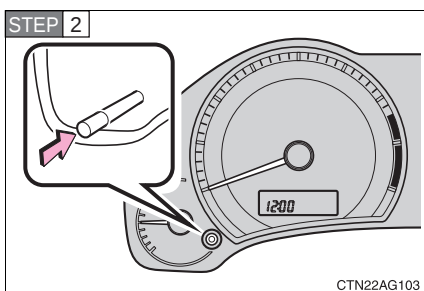


Displays the average vehicle speed since the engine was started or since the function was reset.

The function can be reset by pressing the “DISP” button for longer than one second when the average vehicle speed is displayed.

Setting the clock

STEP 1 Display the clock on the multi-information display when the vehicle is stopped.



Press and hold the “DISP” button to enter the adjustment mode for the clock.

STEP 3 Press the “DISP” button to adjust the hours.

After adjusting the hours, wait 5 seconds to allow the hours to be automatically input.

STEP 4 Press the “DISP” button to adjust the minutes.

After adjusting the minutes, wait 5 seconds to allow the minutes to be automatically input.

■ When disconnecting and reconnecting battery terminals

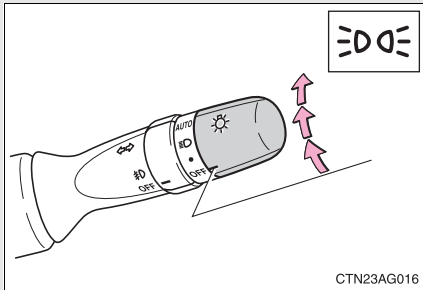
The following information data will be reset.

- Clock
- Average fuel consumption
- Driving range
- Average vehicle speed

2-3. Operating the lights and wipers

Headlight switch

The headlights can be operated manually or automatically.

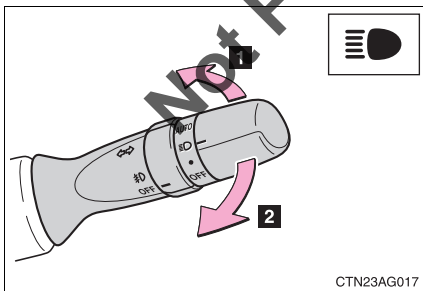


● The front position, tail, license plate and instrument panel lights turn on.

☰ The headlights and all lights listed above turn on.

AUTO (if equipped) The headlights and front position lights turn on and off automatically. (When the engine switch is in ON mode)

Turning on the high beam headlights



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

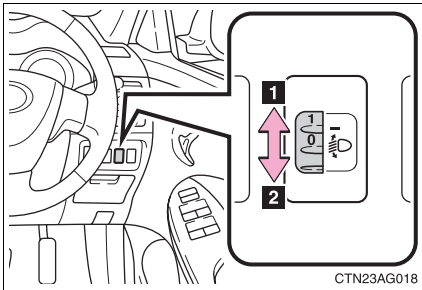
Pull the lever back to the center position to turn the high beams off.

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

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

Manual headlight leveling dial (vehicles with halogen headlights)

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

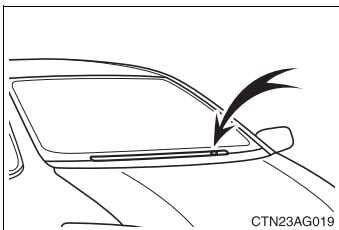


- 1 Raises the level of the headlights
- 2 Lowers the level of the headlights

Guide to dial settings

Occupancy and luggage load conditions		Dial position
Occupants	Luggage load	
Driver	None	0
Driver and front passenger	None	0
All seats occupied	None	2
All seats occupied	Maximum load	3
Driver	Maximum load	4

Headlight control sensor (if equipped)



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

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

■ Automatic light off system (if equipped)

Opening the driver's door with the engine switch in ACC mode or OFF will turn the headlights and tail lights off.

To turn the lights on again, turn the engine switch to ON mode, or turn the headlight switch OFF and then back to the  or  position.

■ Light reminder buzzer (if equipped)

A buzzer sounds when the engine switch is turned OFF or to ACC mode and the driver's door is opened while the lights are turned on.

■ Automatic headlight leveling system (vehicles with discharge headlights)

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

■ Customization

Settings of light sensor sensitivity can be changed. (→P. 319)



NOTICE

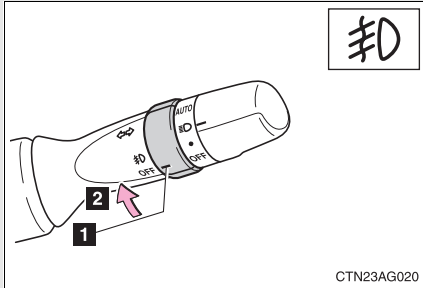
■ To prevent battery discharge

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

2-3. Operating the lights and wipers

Fog light switch (if equipped)

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



- 1** OFF
- 2** Front fog lights ON

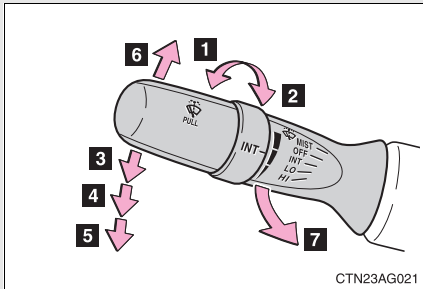
Not For Reproduction

2-3. Operating the lights and wipers

Windshield wipers and washer

■ Intermittent wiper with interval adjuster (if equipped)

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

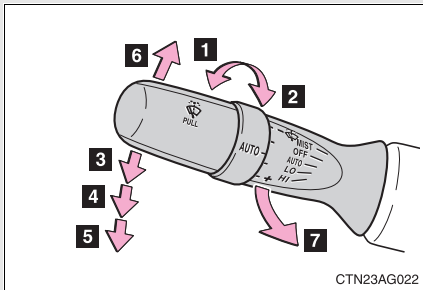


- 1** Intermittent windshield wiper interval adjustment (increase)
- 2** Intermittent windshield wiper interval adjustment (decrease)
- 3** Intermittent windshield wiper operation
- 4** Low speed windshield wiper operation
- 5** High speed windshield wiper operation
- 6** Temporary operation
- 7** Wash/wipe operation

Wipers operate automatically.

■ Rain-sensing windshield wipers (if equipped)

With “AUTO” selected, the wipers will operate automatically when the sensor detects falling rain. The system automatically adjusts wiper timing in accordance with rain volume and vehicle speed.



- 1 Sensor sensitivity (low)
- 2 Sensor sensitivity (high)
- 3 Rain-sensing wiper operation
- 4 Low speed wiper operation
- 5 High speed wiper operation
- 6 Temporary operation
- 7 Wash/wipe operation

Wipers operate automatically. (After operating several times, the wipers operate one more time after a short delay to prevent dripping.)

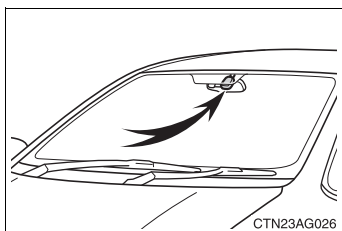
■ The windshield wiper and washer can be operated when

The engine switch is in ON mode.

■ Effects of vehicle speed on wiper operation

Even when the wipers are not in AUTO mode, wiper operation varies depending on vehicle speed when the washer is being used (delay until drop prevention wiper sweep occurs).

■ Rain drop sensor (vehicles with rain-sensing windshield wipers)



The sensor judges the amount of rain-drops.

■ If no windshield washer fluid sprays

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

⚠ CAUTION

■ Caution regarding the use of windshield wipers in AUTO mode

The windshield wipers may operate unexpectedly if the sensor is touched or the windshield is subject to vibration in AUTO mode. Take care that your fingers or anything else do not become caught in the windshield wipers.

**NOTICE****■ When the windshield is dry**

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

■ When there is no washer fluid spray from the nozzle

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

■ When a nozzle becomes blocked

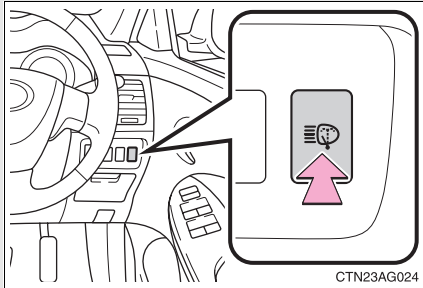
Do not try to clear it with a pin or other object. The nozzle will be damaged.

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2-3. Operating the lights and wipers

Headlight cleaner switch (if equipped)

Washer fluid can be sprayed on the headlights.



Press the switch to clean the headlights.

■ The headlight cleaner can be operated when

The engine switch is in ON mode and the headlight switch is turned ON.



NOTICE

■ When the washer fluid tank is empty

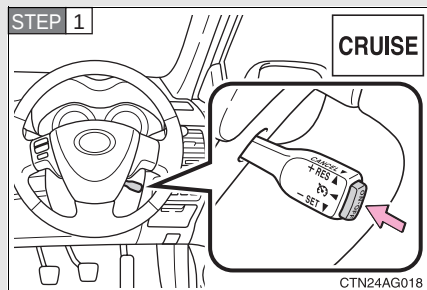
Do not use this function when the washer fluid tank is empty. This may cause the washer fluid pump to overheat.

2-4. Using other driving systems

Cruise control (if equipped)

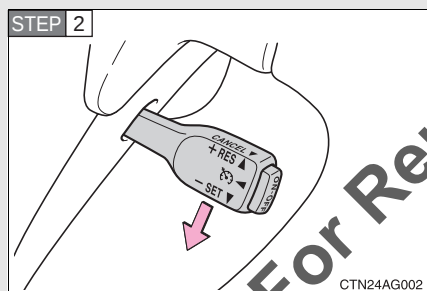
Use cruise control to maintain a set speed without using the accelerator.

■ Set the vehicle speed



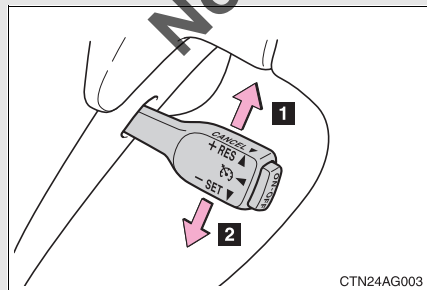
Turn the "ON-OFF" button ON.

Press the button once more to deactivate the cruise control.



Accelerate or decelerate to the desired speed and push the lever down to set the cruise control speed.

■ Adjusting the speed setting



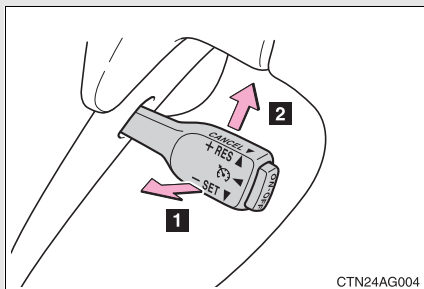
1 Increase speed

2 Decrease speed

Hold the lever until the desired speed setting is obtained.

Fine adjustment of the set speed can be made by lightly pushing the lever up or down and releasing it.

■ Canceling and resuming regular acceleration



1 Cancel

Push the lever towards you to cancel cruise control.

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

2 Resume

To resume cruise control and return to the set speed, push the lever up.

■ Cruise control can be set when

- The shift lever is in the D or 3 (vehicles with an automatic transmission).
- Vehicle speed is between approximately 40 km/h and 200 km/h (25 mph and 125 mph).

■ Accelerating

The vehicle can be accelerated normally.

■ Automatic cruise control cancellation

The set speed is automatically canceled in any of the following situations.

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

■ If the cruise control indicator light flashes

Turn the "ON-OFF" button off once, and then 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. Contact your Toyota dealer and have your Toyota inspected.

 CAUTION**■ To avoid operating the cruise control by mistake**

Keep the “ON-OFF” button off 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 control of the vehicle being lost and could cause serious or fatal accident.

- 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

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2-4. Using other driving systems

Driving assist systems

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

■ **ABS (Anti-lock Brake System)**

Restrains the vehicle from slipping when driving on slick road surfaces or in the event of sudden braking.

■ **BA (Brake Assist)**

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

■ **EPS (Electric Power Steering)**

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

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■ Sounds and vibrations caused by the ABS and BA

- A sound may be heard from the engine compartment 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 operates, a motor sound (whirring sound) may be heard. This does not indicate a malfunction.

■ Reduced effectiveness of EPS

The effectiveness of EPS 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 system should return to normal within 10 minutes.

Not For Reproduction

 CAUTION

■ **The ABS does not operate effectively when**

- Tires with inadequate gripping ability are used (such as excessively worn tires on a snow covered road).
- The vehicle hydroplanes while driving at high speed on the wet or slick road.

■ **Stopping distance when the ABS is operating on the wet or slick roads**

The ABS is not designed to shorten the vehicle's stopping distance. Always maintain a safe distance from the vehicle in front of you 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 roads

■ **Replacing tires**

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

The ABS will not function correctly if different tires are fitted on the vehicle.

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

■ **Handling of tires and suspension**

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

2-5. Driving information

Cargo and luggage

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

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

CAUTION

■ Things that must not be carried in the trunk

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

- Receptacles containing gasoline
- Aerosol cans

■ Storage precautions

- Do not place cargo or luggage in or on the following locations as the item may get under the brake or accelerator pedal and prevent the pedals from being depressed properly, block the driver's vision, or hit the driver or passengers, causing an accident.
 - Driver's feet
 - Front passenger or rear seats (when stacking items)
 - Package tray
 - Instrument panel
 - Dashboard
 - Auxiliary box or tray that has no lid
- Secure all items in the occupant compartment, as they may shift and injure someone during an accident or sudden braking.

2-5. Driving information

Winter driving tips

Carry out the necessary preparations and inspections before driving the vehicle in winter. Always drive the vehicle in a manner appropriate to the prevailing weather conditions.

■ 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 level and specific gravity of battery electrolyte.
- 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.
- Remove any ice that has accumulated on the vehicle chassis.
- Periodically check for and remove any excess ice or snow that may have accumulated in the wheel well or on the brakes.

■ When driving the vehicle

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

■ When parking the vehicle

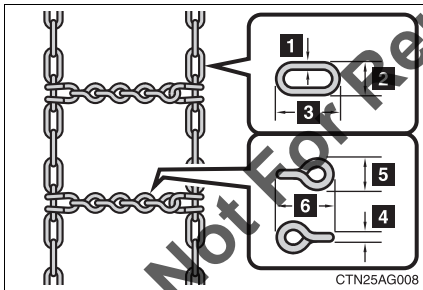
Park the vehicle and move the shift lever to P (automatic transmission) or R (manual transmission) without setting the parking brake. The parking brake may freeze up, preventing it from being released.

2

When driving

Selecting tire chains

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



Side chain:

- 1 3 mm (0.12 in.) in diameter
- 2 10 mm (0.39 in.) in width
- 3 30 mm (1.18 in.) in length

Cross chain:

- 4 4 mm (0.16 in.) in diameter
- 5 14 mm (0.55 in.) in width
- 6 25 mm (0.98 in.) in length

Regulations on the use of snow chains

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

■ Tire chains

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.
- Install tire chains following the instructions provided in the accompanying manual.

⚠ CAUTION

■ Driving with snow tires

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

- Use tires of the specified size.
- Maintain the recommended level of air pressure.
- Do not drive at speeds in excess of the speed limit or the speed limit specified for the snow tires being used.
- Snow tires should be installed on all wheels.

■ Driving with tire chains

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

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

Trailer towing

Your vehicle is designed primarily as a passenger carrying vehicle. Towing a trailer will have an adverse effect on handling, performance, braking, durability, and fuel consumption. For your safety and the safety of others, do not overload the vehicle or trailer.

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

For towing purposes, we recommend use of the following parts:

- When towing a caravan trailer etc., use a distributing hitch.
- When the total trailer weight is greater than the vehicle weight, use a sway control device.

■ Weight limits

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

■ Gross vehicle weight

The gross vehicle weight must not exceed 1785 kg (3935 lb.).

The gross vehicle weight is the sum weight of the unloaded vehicle, driver, passengers, luggage, hitch and trailer tongue load. Also included is the weight of any special equipment installed on your vehicle.

■ Gross axle weight

The load on either the front or rear axle resulting from distribution of the gross vehicle weight on both axles must not exceed the following.

Front: 1100 kg (2425 lb.)

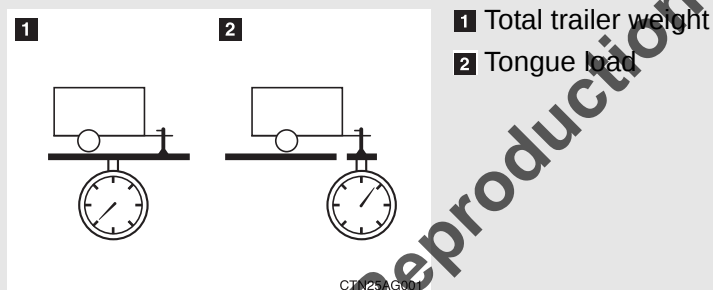
Rear: 890 kg (1962 lb.)

■ Trailer tongue load

The trailer cargo load should be distributed so that the tongue load is 9 to 11% of the total trailer weight, not exceeding 130 kg (286 lb.).

(Tongue load / Total trailer weight x 100 = 9 to 11%)

The total trailer weight and tongue load can be measured with platform scales found at a highway weighing stations, building supply companies, trucking companies, junk yards, etc.



Towing a trailer

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

Hitch

Trailer hitch assemblies have different weight capacities established by the hitch manufacturer. Even though the vehicle may be rated for towing a higher weight, the operator must never exceed the maximum weight rating specified for the trailer hitch.

■ Before towing

Check that the following conditions are met:

- The vehicle's tires are properly inflated. (→P. 316)
- Trailer tires are inflated according to the trailer manufacturer's recommendation.
- All trailer lights work
- All lights work each time you connect them.
- The vehicle remains level when a loaded or unloaded trailer is hitched. Do not drive if the vehicle is not level, and check for improper tongue load, overloading, worn suspension, or other possible causes.
- The trailer cargo is securely loaded.
- The rear view mirrors conform to all applicable federal, state/provincial or local regulations. If they do not, install rear view mirrors appropriate for towing purposes.

■ Break-in schedule

Toyota recommends that you do not use a new vehicle or a vehicle with any new power train components (engine, transmission, differential, wheel bearings, etc.) to tow a trailer for the first 800 km (500 miles) of driving.

■ Maintenance

- If you tow a trailer, your vehicle will require more frequent maintenance due to the additional load. (See "Warranty and Service Booklet".)
- Retighten the fixing bolts of the towing ball and bracket after approximately 1000 km (600 miles) of trailer towing.

 CAUTION

■ **To avoid accident or injury**

- The total trailer weight (trailer weight plus the weight of cargo) must not exceed 1300 kg (2866 lb.).
- Do not exceed the trailer hitch assembly weight, gross vehicle weight, gross axle weight and trailer tongue load capacities.
- Never load more weight in the back than in the front of the trailer. About 60% of the load should be in the front half of the trailer, and the remaining 40% in the rear.

■ **Hitches**

- Use only a hitch that conforms to the total trailer weight requirement.
- Follow the directions supplied by the hitch manufacturer.
- Lubricate the hitch ball with a light coat of grease.
- Remove the trailer hitch whenever you are not towing a trailer. After removing the hitch, seal any mounting hole in the vehicle body to prevent entry of any substances into the vehicle.

■ **When towing a trailer**

- If the total trailer weight exceeds 460 kg (1014 lb.), trailer brakes are required.
- Never tap into your vehicle's hydraulic system, as this will lower the vehicle's braking effectiveness.
- Never tow a trailer without using a safety chain securely attached to both the trailer and the vehicle. If damage occurs to the coupling unit or hitch ball, there is danger of the trailer wandering into another lane.

**NOTICE****■ When installing a trailer hitch**

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

■ Brakes

Toyota recommends trailers with brakes that conform to all applicable federal and state/provincial regulations.

■ Do not directly splice trailer lights

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

Trailer towing tips

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

- Before starting out, check the trailer lights and the vehicle-trailer connections. Recheck after driving a short distance.
- Practice turning, stopping and reversing with the trailer attached in an area away from traffic until you become accustomed to the feel of the vehicle.
- Reversing with a trailer attached is difficult and requires practice. Grip the bottom of the steering wheel and move your hand to the left to move the trailer to the left. Move your hand to the right to move the trailer to right. (This is generally opposite to reversing without a trailer attached.) Avoid sharp or prolonged turning. Have someone guide you when reversing to reduce the risk of an accident.

- As stopping distance is increased when towing a trailer, vehicle-to-vehicle distance should be increased. For each 10 km/h (6 mph) of speed, allow at least one vehicle and trailer length.
- Avoid sudden braking as you may skid, resulting in jackknifing and loss of control. This is especially true on wet or slippery surfaces.
- Avoid jerky starts or sudden acceleration.
- Avoid jerky steering and sharp turns, and slow down before making turns.
- Note that when making a turn, the trailer wheels will be closer than the vehicle wheels to the inside of the turn. Compensate by making a larger than normal turning radius.
- Crosswinds and rough roads will adversely affect handling of your vehicle and trailer, causing sway. Periodically check the rear to prepare for being passed by large trucks or buses, which may cause your vehicle and trailer to sway. If swaying occurs, firmly grip the steering wheel, reduce speed immediately but gradually, and steer straight ahead. Never increase speed. If you make no extreme correction with the steering or brakes, your vehicle and trailer will stabilize.
- Take care when passing other vehicles. Passing requires considerable distance. After passing a vehicle, do not forget the length of your trailer, and be sure you have plenty of room before changing lanes.
- In order to maintain efficient engine braking and electrical charging performance, do not use D (automatic transmission) or 6 gear (manual transmission).
- Due to the added load of the trailer, your vehicle's engine may overheat on hot days (at temperatures over 30°C [85°F]) when driving up a long or steep grade. If the engine coolant temperature gauge indicates overheating, immediately turn off the air conditioning (if in use), pull your vehicle off the road and stop in a safe spot. (→P. 303)

- Always place wheel blocks under both the vehicle and the trailer wheels when parking. Apply the parking brake firmly, and put the transmission in P (automatic transmission) or in first or reverse (manual transmission). Avoid parking on a slope, but if unavoidable, do so only after performing the following:

- STEP 1** Apply the brakes and keep them applied.
- STEP 2** Have someone place wheel blocks under both the vehicle and trailer wheels.
- STEP 3** When the wheel blocks are in place, release the brakes slowly until the blocks absorb the load.
- STEP 4** Apply the parking brake firmly.
- STEP 5** Shift into first or R (manual transmission) or P (automatic transmission) and turn off the engine.

- When restarting after parking on a slope:

- STEP 1** With the transmission in the P position (automatic transmission) or the clutch pedal (manual transmission) depressed, start the engine. On vehicles with automatic transmission, be sure to keep the brake pedal pressed.
- STEP 2** Shift into a forward gear. If reversing, shift into the R position.
- STEP 3** Release the parking brake (also brake pedal on vehicles with automatic transmission), and slowly pull or back away from the wheel blocks. Stop and apply the brakes.
- STEP 4** Have someone retrieve the blocks.

CAUTION

■ To avoid an accident

- Observe the legal maximum speeds for trailer towing.
- Slow down and downshift before descending steep or long downhill grades. Do not make sudden downshifts.
- Avoid holding the brake pedal down too long or applying the brakes too frequently. This could cause the brakes to overheat and result in reduced braking efficiency.

Not For Reproduction

Interior features

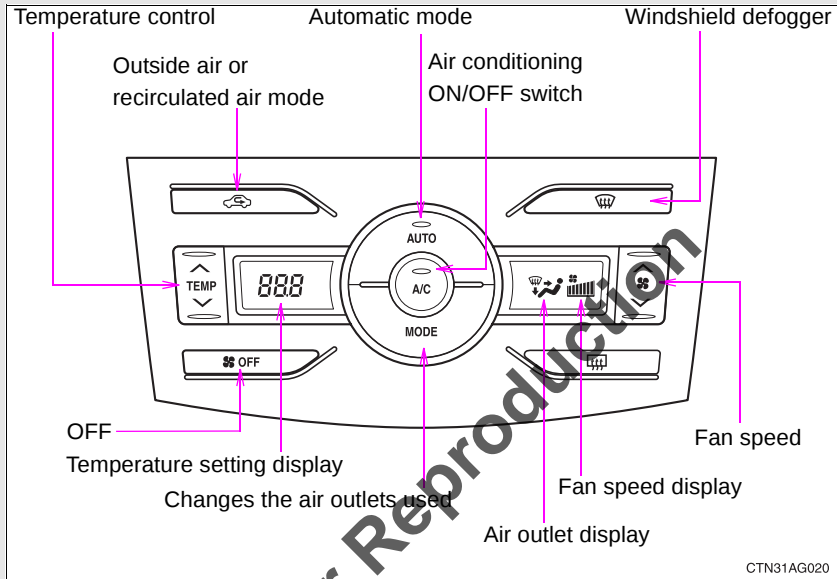
3

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3-1. Using the air conditioning system and defogger

Automatic air conditioning system

Air outlets are automatically selected and fan speed is automatically adjusted according to the temperature setting.



Using the automatic mode

STEP 1 Press .

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

STEP 2 Press "∧" to increase the temperature and "∨" to decrease the

temperature on the  switch.

Adjusting the settings

■ Adjusting the temperature setting

Press “^” to increase the temperature and “v” to decrease the tem-

perature on the



switch.

■ Adjusting the fan speed

Press “^” (increase) or “v” (decrease) on the



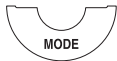
switch.

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

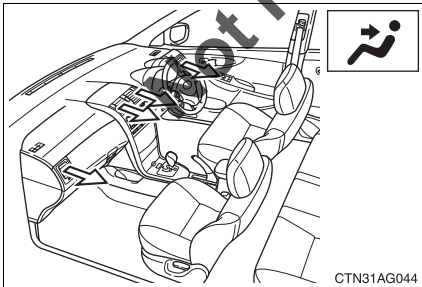
Press  to turn the fan off.

■ Changing the air outlets

Press

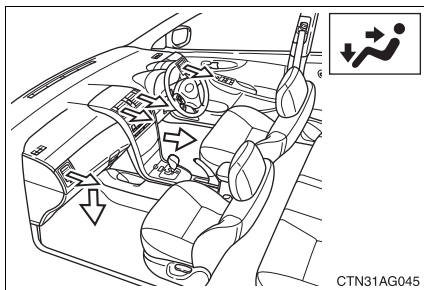


The air outlets switch each time the button is pressed. The air flow shown on the display indicates the following.

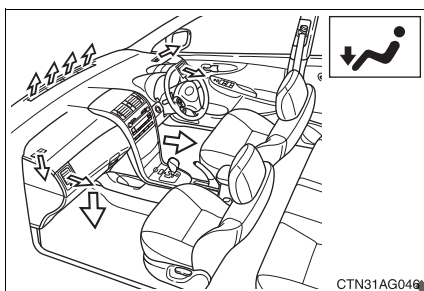


Air flows to the upper body.

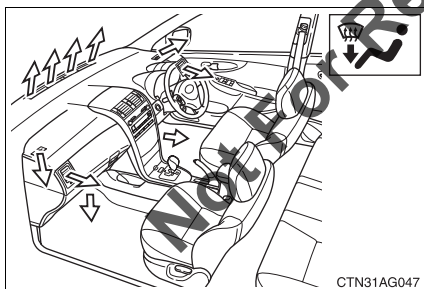
3-1. Using the air conditioning system and defogger



Air flows to the upper body and feet.



Air flows to the feet.



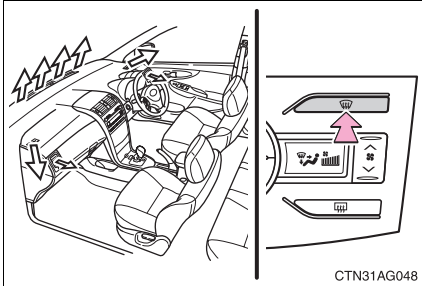
Air flows to the feet and the windshield defogger operates.

■ Switching between outside air and recirculated air modes

Press  .

The mode switches between outside air mode (indicator OFF) and recirculated air mode (indicator ON) modes each time the button is pressed.

Defogging the windshield

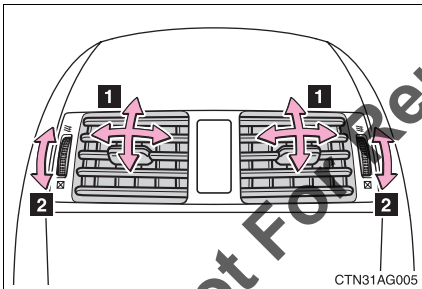


Defogging

The air conditioning system control operates automatically.

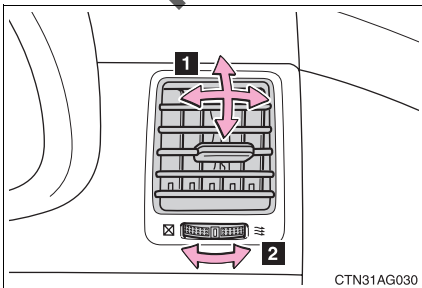
Adjusting the position of and opening and closing the air outlets

► Center outlets



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

► Right and left side outlets



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

■ Using the automatic mode

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

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

■ Using the system in recirculated air mode

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

■ Window defogger feature

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

■ When outside air temperature approaches 0°C (32°F)

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

■ When is selected for the air outlets used

For your driving comfort, air flowing to the feet may be warmer than air flowing to the upper body depending on the temperature setting.

⚠ 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

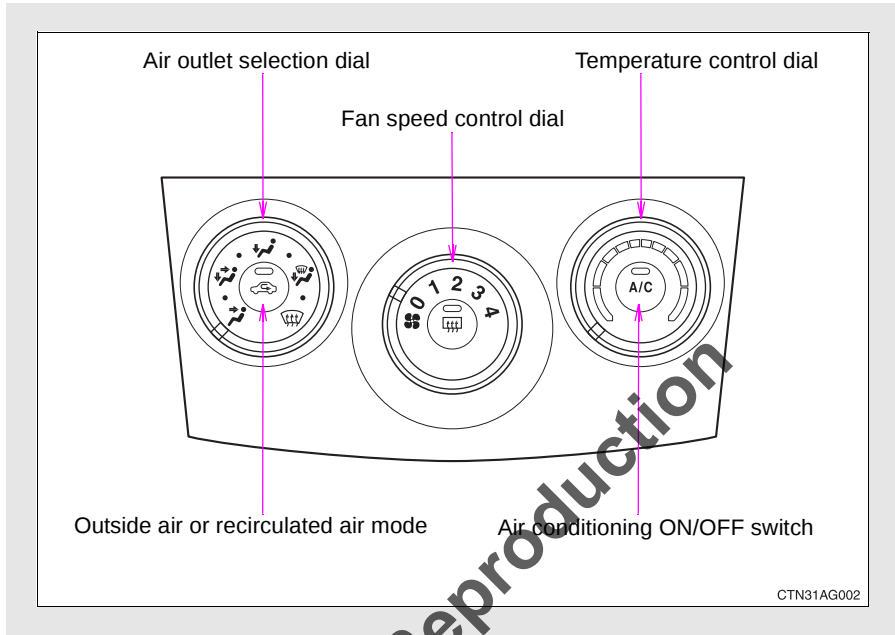
■ **To prevent battery discharge**

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

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3-1. Using the air conditioning system and defogger

Manual air conditioning system



Adjusting the settings

■ Adjusting the temperature setting

Turn the temperature control dial clockwise (warm) or counter-clockwise (cool).

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

■ Adjusting the fan speed

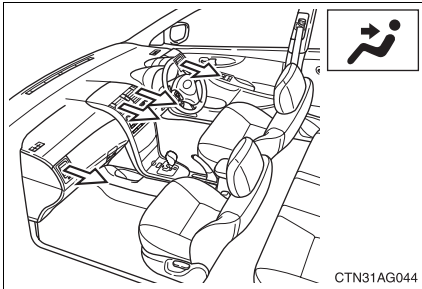
Turn the fan speed control dial clockwise (increase) or counter-clockwise (decrease).

Set the dial to "0" to turn the fan off.

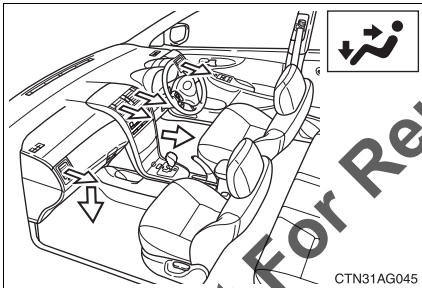
■ Selecting the air outlets

Set the air outlet selection dial to an appropriate position.

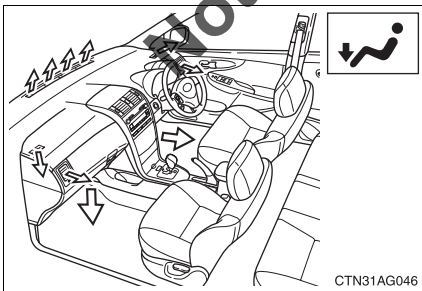
The positions between the air outlet selections shown below can also be selected for more detailed adjustment.



Air flows to the upper body.

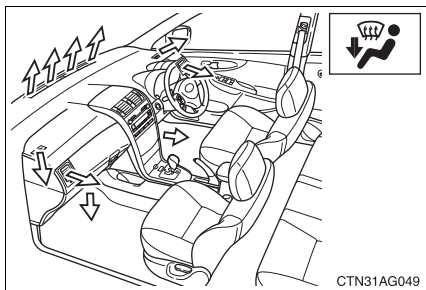


Air flows to the upper body and feet.

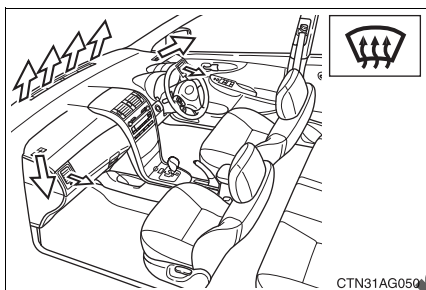


Air flows to the feet.

3-1. Using the air conditioning system and defogger



Air flows to the feet and the windshield defogger operates.



Air flows to the windshield and side windows.

The air intake is automatically switched to outside air mode.

Pressing  to turn the air conditioning on clears the windshield and side windows faster.

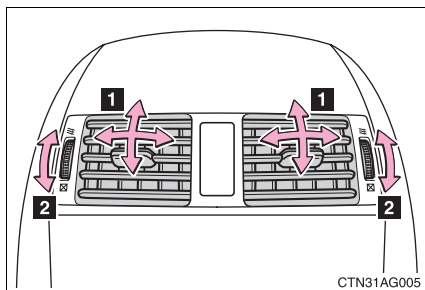
■ Switching between outside air and recirculated air modes

Press  .

The mode switches between outside air mode (indicator OFF) and recirculated air mode (indicator ON) modes each time the button is pressed.

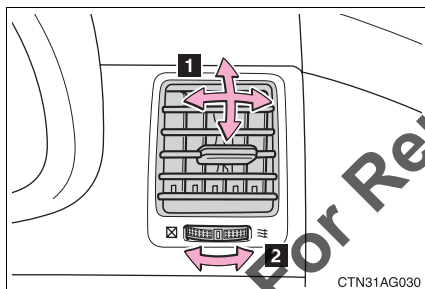
Adjusting the position of and opening and closing the air outlets

► Center outlets



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

► Right and left side outlets



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

■ Using the system in recirculated air mode

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

■ When outside air temperature approaches 0°C (32°F)

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

■ When is selected for the air outlets used

For your driving comfort, air flowing to the feet may be warmer than air flowing to the upper body depending on the position of the temperature adjustment dial.

 CAUTION

■ **To prevent the windshield from fogging up**

Do not set the air outlet selection dial to  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.

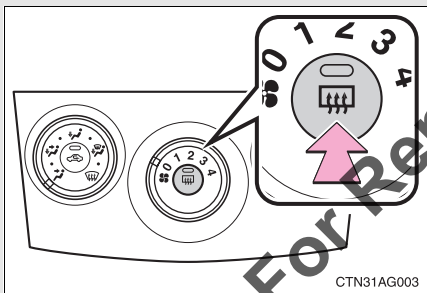
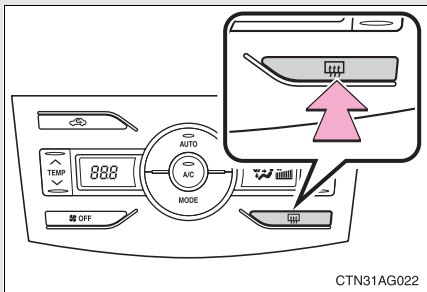
 NOTICE

■ **To prevent battery discharge**

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

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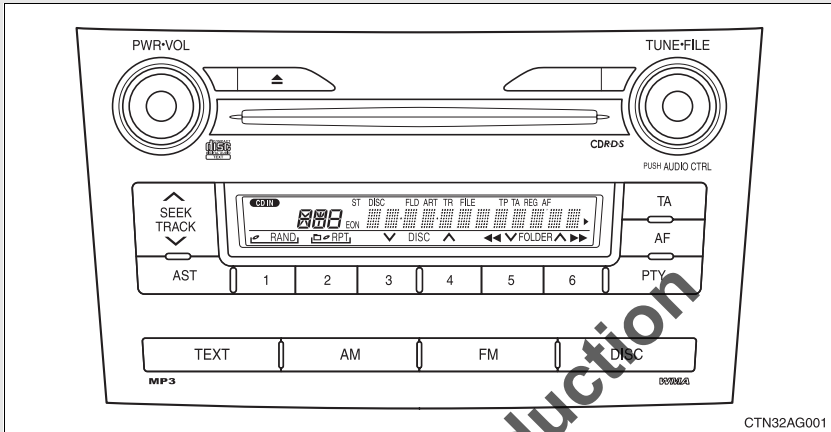
3-1. Using the air conditioning system and defogger



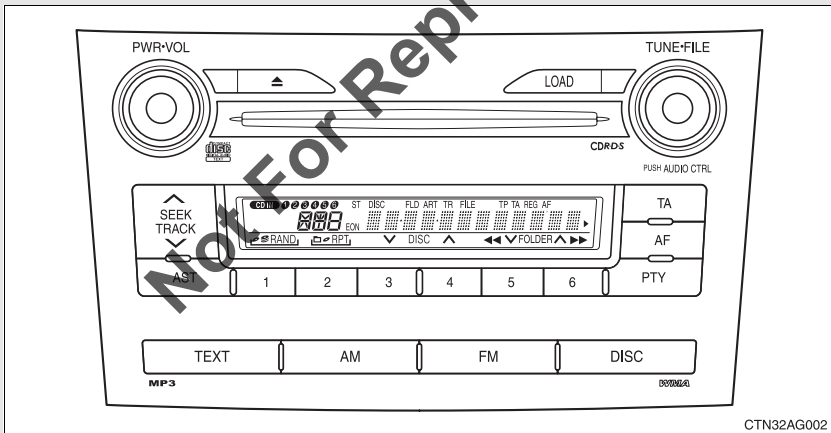
3-2. Using the audio system

Audio system types

► CD player and AM/FM radio



► CD player with changer and AM/FM radio



Title	Page
Using the radio	P. 164
Using the CD player	P. 168
Playing back MP3 and WMA discs	P. 174
Optimal use of the audio system	P. 181
Using the steering wheel audio switches	P. 183

■ Using cellular phones

Interference may be heard through the audio system's speakers if a cellular phone is being used inside or close to the vehicle while the audio system is operating.



NOTICE

■ To prevent battery discharge

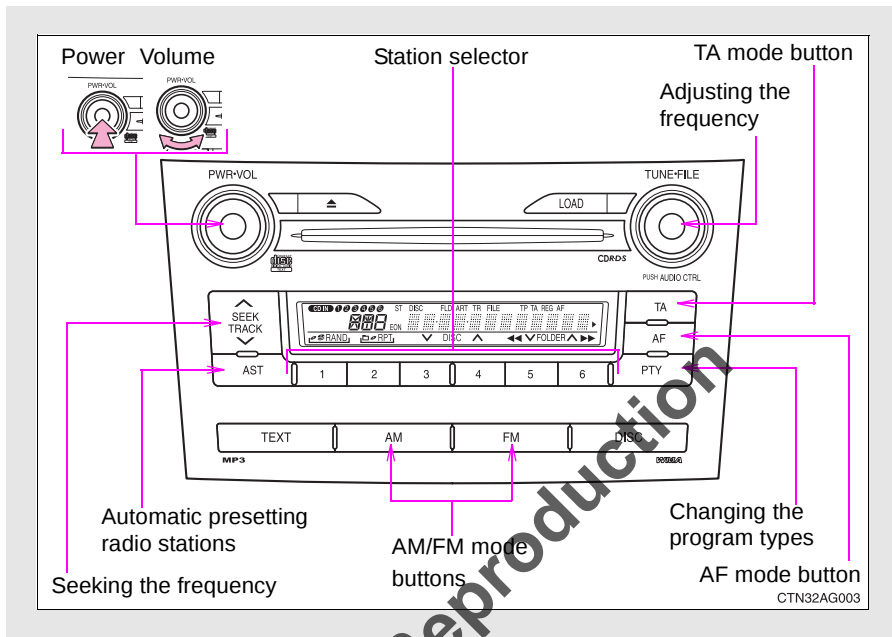
Do not leave the audio system on longer than necessary with the engine off.

■ To avoid damaging the audio system

Take care not to spill drinks or other fluids over the audio system.

3-2. Using the audio system

Using the radio



Setting station presets

► Manually

STEP 1 Search for desired stations by turning the  dial or press-

ing "▲" or "▼" on .

STEP 2 Press and hold the button (from **1** to **6**) the station is to be set to, and you hear a beep.

► Automatically

Press and hold  until you hear a beep.

Up to 6 stations are set in order of reception quality. When the settings are finished, 2 beeps will be heard.

In the FM1 or FM2 mode, the stations automatically set by the audio system will be set in the FM3 presets.

RDS (Radio Data System)

This feature allows your radio to receive station and program information (classical, news, etc.) from radio stations that broadcast this information.

■ Listening to stations of the same network

Press  .

AF-ON, REG-OFF modes: The station among those of the same network with strong reception is selected.

AF-ON, REG-ON modes: The station among those of the same network with strong reception and broadcasting the same program is selected.

Each time  is pressed, the mode changes in the order of AF-ON, REG-OFF→AF-ON, REG-ON→AF-OFF, REG-OFF.

■ Specifying program type

Press  .

Each time  is pressed, the program type changes in the order of "NEWS"→"SPORTS"→"TALK"→"POP"→"CLASSICS".

■ Traffic information

Press  .

TP mode: The system automatically switches to traffic information when a broadcast with a traffic information signal is received.

The station returns to the previous one when the traffic information ends.

TA mode: Traffic information can be heard only when a signal is received. The system switches to the mute mode when a signal is not received. In the CD or MP3/WMA mode, the system automatically switches to traffic information when a signal is received.

The audio system returns to the mute, CD or MP3/WMA mode when the traffic information ends.

The audio system mode changes as follows each time  is pressed.

FM modes: TP→TA→OFF

Modes other than the radio modes: TA→OFF

■ Emergency broadcast reception mode

“ALARM” appears in the display in the event that an emergency broadcast is received, and the emergency broadcast is aired.

■ EON (Enhanced Other Network) system (for traffic announcement function)

If the RDS station (with EON data) you are listening to is not broadcasting a traffic information program and the audio system is in the TA (traffic announcement) mode, the radio will be switched automatically to a station broadcasting a traffic information program in the EON AF list when traffic information begins.

■ When the battery is disconnected

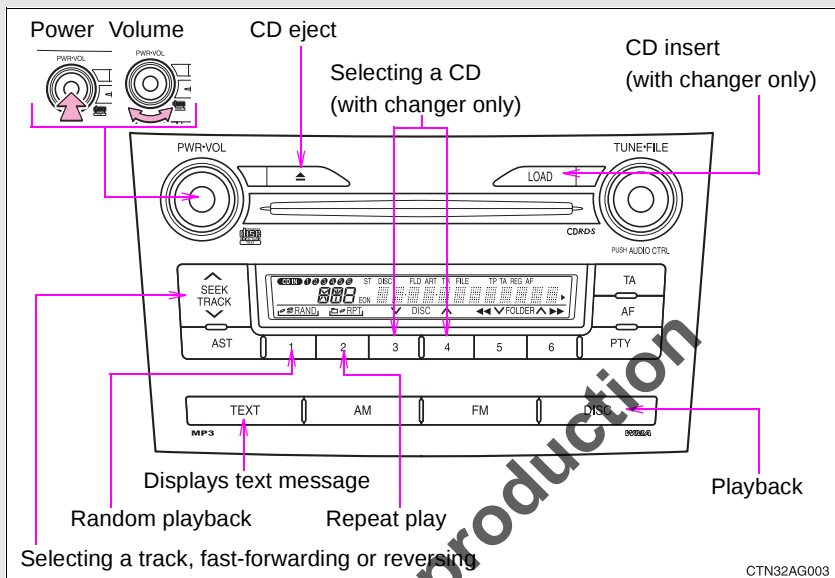
Stations presets are erased.

■ Reception sensitivity

- Maintaining perfect radio reception at all times is difficult due to the continually changing position of the antenna, differences in signal strength and surrounding objects, such as trains, transmitters, etc.
- When  is used, automatic station selection and automatic registering of stations may not be possible.
- The radio antenna is mounted inside the rear window. To maintain clear radio reception, do not attach metallic window tinting or other metallic objects to the antenna wire mounted inside the rear window.

3-2. Using the audio system

Using the CD player



Loading CDs

■ Loading a CD (CD player without changer)

Insert a CD.

■ Loading a CD (CD player with changer)

STEP 1 Press **LOAD**.

"WAIT" is shown on the display.

STEP 2 Insert a CD when the indicator on the slot turns from amber to green.

The display changes from "WAIT" to "LOAD".

■ Loading multiple CDs (CD player with changer only)

STEP 1 Press and hold  until you hear a beep.

“WAIT” is shown on the display.

STEP 2 Insert a CD when the indicator on the slot turns from amber to green.

The display changes from “WAIT” to “LOAD”.

The indicator on the slot turns to amber when the CD is inserted.

STEP 3 Insert the next CD when the indicator on the slot turns from amber to green again.

Repeat the procedure for the remaining CDs.

To stop the operation, press .

Ejecting CDs

■ Ejecting a CD (CD player without changer)

Press  and remove the CD.

■ Ejecting a CD (CD player with changer)

STEP 1 To select the CD to be ejected, press  (v) or  (v).

The number of the CD selected is shown on the display.

STEP 2 Press  and remove the CD.

■ Ejecting all the CDs (CD player with changer only)

Press and hold  until you hear a beep, and then remove the CDs.

Selecting a track

Press “^” to move up or “v” to move down using  until the desired track number is displayed.

Fast-forwarding and reversing tracks

To fast-forward or reverse, press and hold “^” or “v” on .

Selecting a CD (CD player with changer only)

To select the desired CD, press  (v) or  (^).

Repeat play

■ To repeat a track

Press  (RPT).

■ To repeat all of the tracks on a CD (CD player with changer only)

Press and hold  (RPT) until you hear a beep.

Random playback

■ Current CD

Press  (RAND).

Tracks are played in a random order until the button is pressed once more.

■ All CDs (CD player with changer only)

Press and hold  (RAND) until you hear a beep.

Tracks on all loaded CDs are played in a random order until the button is pressed once more.

Switching the display

Press .

Each time the switch is pressed, the display changes in the order of Track no./Elapsed time→CD title→Track name.

■ Display

Up to 12 characters can be displayed at a time.

If there are 13 characters or more, pressing and holding  for 1 second or more will display the remaining characters. A maximum of 24 characters can be displayed.

If  is pressed for 1 second or more again or has not been pressed for 6 seconds or more, the display will return to the first 12 characters.

Depending on the contents recorded, the characters may not be displayed properly or may not be displayed at all.

■ Canceling random and repeat playback

Press  (RAND) or  (RPT) again.

■ Error messages

“ERROR”: This indicates a trouble either in the CD or inside the player. The CD may be dirty, damaged or inserted up-side down.

■ Discs that can be used

Discs with the marks shown below can be used.

Playback may not be possible depending on recording format or disc features, or due to scratches, dirt or deterioration.



CDs with copy-protect features may not be used.

■ CD player protection feature

To protect the internal components, playback is automatically stopped when a problem is detected while the CD player is being used.

■ If CDs are left inside the CD player or in the ejected position for extended periods

CDs may be damaged and may not play properly.

■ Lens cleaners

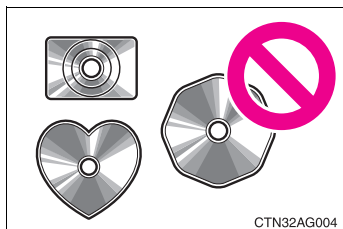
Do not use lens cleaners. Doing so may damage the CD player.

 NOTICE

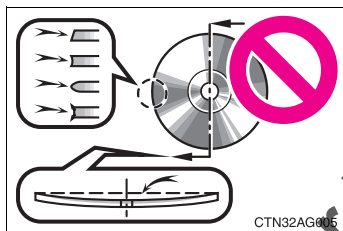
■ **CDs and adapters that cannot be used**

Do not use the following types of CDs or 8cm (3 in.) CD adapters or Dual Disc.

Doing so may damage the CD player and/or the CD insert/eject function.

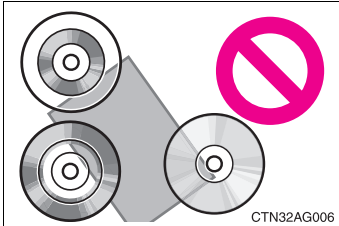


- CDs that have a diameter that is not 12 cm (4.7 in.)

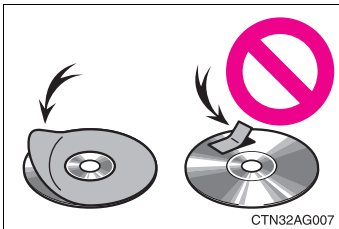


- Low-quality and deformed CDs

 NOTICE



- CDs with a transparent or translucent recording area

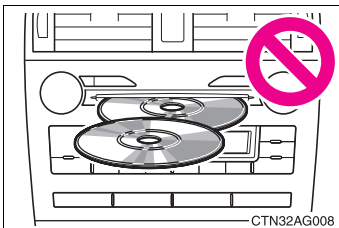


- CDs that have had tape stickers or CD-R labels attached to them, or that have had the label peeled off

■ **CD player precautions**

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

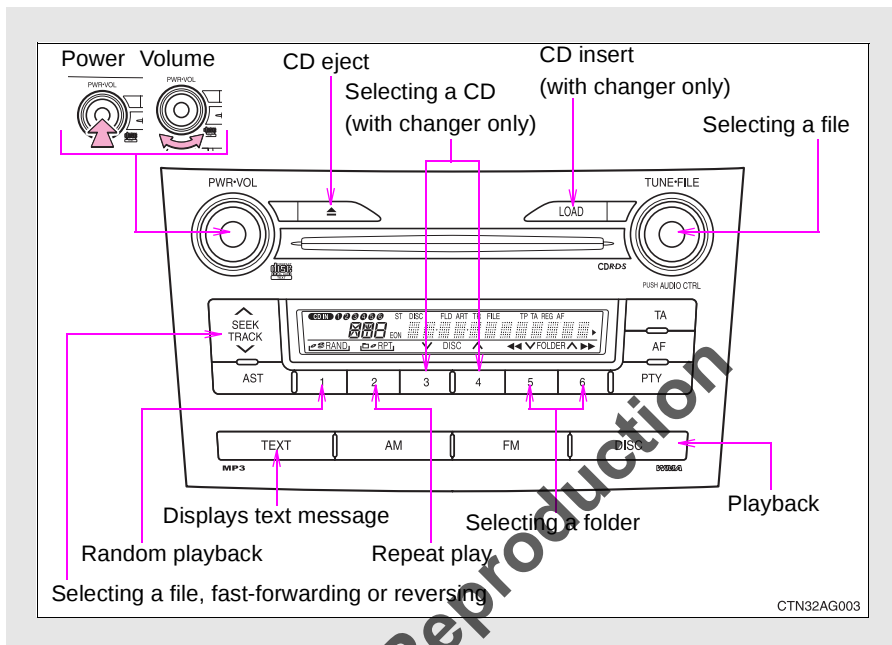
- Do not insert anything other than CDs into the CD slot.
- Do not apply oil to the CD player.
- Store CDs away from direct sunlight.
- Never try to disassemble any part of the CD player.



- Do not insert more than one CD at a time.

3-2. Using the audio system

Playing back MP3 and WMA discs



Loading and ejecting MP3 and WMA discs

→P. 168

Selecting a CD (CD player with changer only)

To select the desired CD, press (✓) or (∧).

Selecting a folder

To select the desired folder, press (✓) or (∧).

To return to the first folder, press and hold (✓) until you hear a beep.

Selecting files

Turn the  dial or press “^” or “v” on  to select the desired file.

Fast-forwarding and reversing files

To fast-forward or reverse, press and hold “^” or “v” on .

Repeat play

■ To repeat a file

Press  (RPT).

■ To repeat all of the files on a folder

Press and hold  (RPT) until you hear a beep.

Random playback

■ To play files from a particular folder in random order

Press  (RAND).

■ To play all of the files on a disc in random order

Press and hold  (RAND) until you hear a beep.

Switching the display

Press .

Each time the switch is pressed, the display changes in the order of Folder no./File no./Elapsed time→Folder name→File name→Album title (MP3 only)→Track title→Artist name.

■ Display

Up to 12 characters can be displayed at a time.

If there are 13 characters or more, pressing and holding  for 1 second or more will display the remaining characters. A maximum of 24 characters can be displayed.

If  is pressed for 1 second or more again or has not been pressed for 6 seconds or more, the display will return to the first 12 characters.

Depending on the contents recorded, the characters may not be displayed properly or may not be displayed at all.

■ Canceling random and repeat playback

Press  (RAND) or  (RPT) again.

■ Error messages

“ERROR”: This indicates a trouble either in the CD or inside the player. The CD may be dirty, damaged or inserted up-side down.

“NO MUSIC”: This indicates that the MP3/WMA file is not included in the CD.

■ Discs that can be used

Discs with the marks shown below can be used.

Playback may not be possible depending on recording format or disc features, or due to scratches, dirt or deterioration.



■ CD player protection feature

To protect the internal components, playback is automatically stopped when a problem is detected while the CD player is being used.

■ If CDs are left inside the CD player or in the ejected position for extended periods

CDs may be damaged and may not play properly.

■ Lens cleaners

Do not use lens cleaners. Doing so may damage the CD player.

■ MP3 and WMA files

MP3 (MPEG Audio LAYER3) is a standard audio compression format.

Files can be compressed to approximately 1/10 of their original size by using MP3 compression.

WMA (Windows Media TM Audio) is a Microsoft audio compression format.

This format compresses audio data to a size smaller than that of the MP3 format.

There is a limit to the MP3 and WMA file standards and to the media/formats recorded by them that can be used.

● MP3 file compatibility

- Compatible standards
MP3 (MPEG1 LAYER3, MPEG2 LSF LAYER3)
- Compatible sampling frequencies
MPEG1 LAYER3: 32, 44.1, 48 (kHz)
MPEG2 LSF LAYER3: 16, 22.05, 24 (kHz)
- Compatible bit rates
MPEG1 LAYER3: 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (kbps)
MPEG2 LSF LAYER3: 64, 80, 96, 112, 128, 144, 160 (kbps)
* Compatible with VBR
- Compatible channel modes: stereo, joint stereo, dual channel and monaural

● WMA file compatibility

- Compatible standards
WMA Ver. 7, 8, 9
- Compatible sampling frequencies
32, 44.1, 48 (kHz)
- Compatible bit rates
Ver. 7, 8: CBR 48, 64, 80, 96, 128, 160, 192 (kbps)
Ver. 9: CBR 48, 64, 80, 96, 128, 160, 192, 256, 320 (kbps)
* Only compatible with 2-channel playback

● Compatible media

Media that can be used for MP3 and WMA playback are CD-Rs and CD-RWs.

Playback in some instances may not be possible, depending on the status of the CD-R or CD-RW. Playback may not be possible or the audio may jump if the disc is scratched or marked with fingerprints.

● Compatible disc formats

The following disc formats can be used.

- Disc formats: CD-ROM Mode 1 and Mode 2
CD-ROM XA Mode 2, Form 1 and Form 2
- File formats: ISO9660 Level 1, Level 2, (Romeo, Joliet)
MP3 and WMA files written in any format other than those listed above may not play correctly, and their file names and folder names may not be displayed correctly.

Items related to standards and limitations are as follows.

- Maximum directory hierarchy: 8 levels
- Maximum length of folder names/file names: 32 characters
- Maximum number of folders: 192 (including the root)
- Maximum number of files per disc: 255

● File names

The only files that can be recognized as MP3/WMA and played are those with the extension .mp3 or .wma.

● Multi-sessions

As the audio system is compatible with multi-sessions, it is possible to play discs that contain MP3 and WMA files. However, only the first session can be played.

● ID3 and WMA tags

ID3 tags can be added to MP3 files, making it possible to record the track title and artist name, etc.

The system is compatible with ID3 Ver. 1.0, 1.1, and Ver. 2.2, 2.3 ID3 tags. (The number of characters is based on ID3 Ver. 1.0 and 1.1.)

WMA tags can be added to WMA files, making it possible to record the track title and artist name in the same way as with ID3 tags.

● MP3 and WMA playback

When a disc containing MP3 or WMA files is inserted, all files on the disc are first checked. Once the file check is finished, the first MP3 or WMA file is played. To make the file check finish more quickly, we recommend you do not write in any files other than MP3 or WMA files or create any unnecessary folders.

If the discs contain a mixture of music data and MP3 or WMA format data, only music data can be played.

● Extensions

If the file extensions .mp3 and .wma are used for files other than MP3 and WMA files, they will be mistakenly recognized and played as MP3 and WMA files. This may result in large amounts of interference and damage to the speakers.

● Playback

- To play MP3 file with steady sound quality, we recommend a fixed bit rate of 128 kbps and a sampling frequency of 44.1 kHz.
- CD-R or CD-RW playback may not be possible in some instances, depending on the characteristics of the disc.
- There is a wide variety of freeware and other encoding software for MP3 and WMA files on the market, and depending on the status of the encoding and the file format, poor sound quality or noise at the start of playback may result. In some cases, playback may not be possible at all.
- When files other than MP3 or WMA files are recorded on a disc, it may take more time to recognize the disc and in some cases, playback may not be possible at all.
- Microsoft, Windows, and Windows Media are the registered trademarks of Microsoft Corporation in the U.S. and other countries.



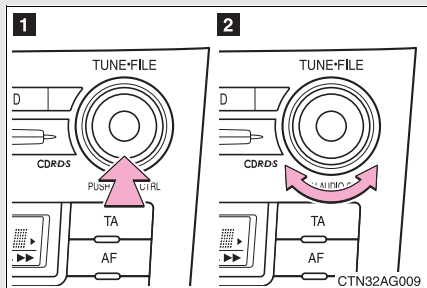
NOTICE

- **CDs and adapters that cannot be used (→P. 172)**
- **CD player precautions (→P. 173)**

Not For Reproduction

3-2. Using the audio system

Optimal use of the audio system



- 1 Displays the current mode
- 2 Changes the following setting

- Sound quality and volume balance (→P. 182)

The sound quality and balance setting can be changed to produce the best sound.

- Automatic Sound Levelizer ON/OFF (→P. 182)

Using the AUDIO CONTROL function

■ Changing sound quality modes

Pressing  selects the mode to be changed in the following order.

“BAS”→“TRE”→“FAD”→“BAL”→“ASL”

■ **Adjusting sound quality**

Turning  adjusts the level.

Sound quality mode	Mode displayed	Level	Turn to the left	Turn to the right
Bass*	BAS	-5 to 5	Low	High
Treble*	TRE	-5 to 5		
Front/rear volume balance	FAD	F7 to R7	Shifts to rear	Shifts to front
Left/right volume balance	BAL	L7 to R7	Shifts to left	Shifts to right

*: The sound quality level is adjusted individually in each radio mode or CD mode.

■ **Adjusting the Automatic Sound Levelizer (ASL)**

When ASL is selected, turning  to the right changes the amount of ASL in the order of LOW, MID and HIGH.

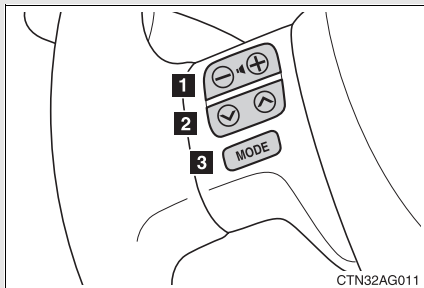
Turning  to the left turns ASL off.

ASL automatically adjusts the volume and tone quality to compensate for varying noise levels while driving.

3-2. Using the audio system

Using the steering wheel audio switches (if equipped)

Some audio features can be controlled using the switches on the steering wheel.



- 1** Volume
- 2** Radio: Select radio stations
CD: Select tracks, files (MP3 and WMA) and discs
- 3** Power on, select audio source

Turning on the power

Press **MODE** when the audio system is turned OFF.

The audio system can be turned off by holding the switch down until you hear a beep.

Changing the audio source

Press **MODE** when the audio system is turned ON. The audio source changes as follows each time the button is pressed.

AM→FM1→FM2→FM3→CD

Adjusting the volume

Press “+” on  to increase the volume and “-” to decrease the volume.

Press and hold the button to continue increasing or decreasing the volume.

Selecting a radio station

STEP 1 Press  to select the radio mode.

STEP 2 Press “^” or “v” on  to select a preset station.

To scan for receivable stations, press and hold the switch until you hear a beep.

Selecting a track/file

STEP 1 Press  to select the CD mode.

STEP 2 Press “^” or “v” on  to select the desired track/file.

Selecting a folder (CD player without changer only)

STEP 1 Press  to select the CD mode.

STEP 2 Press and hold “^” or “v” on  until you hear a beep.

Selecting a disc in the CD player (CD player with changer only)

STEP 1 Press  to select the CD mode.

STEP 2 Press and hold “^” or “v” on  until you hear a beep.

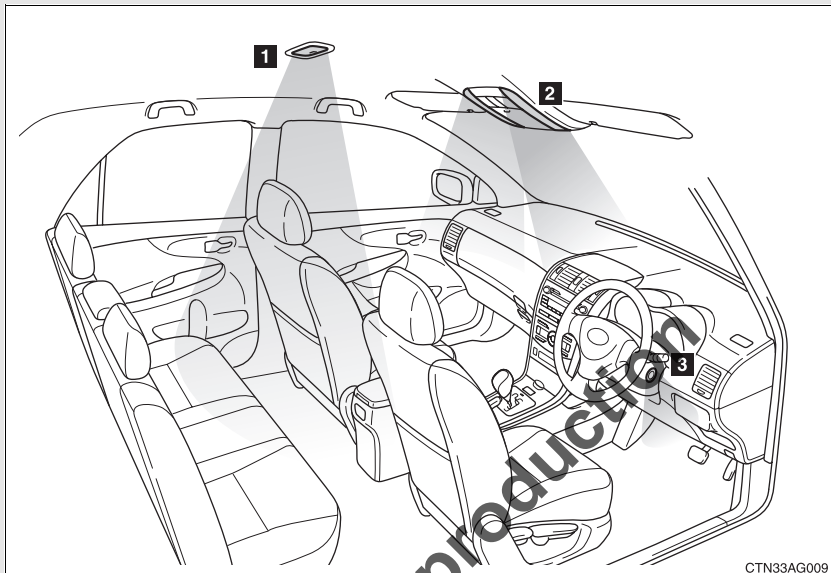
! CAUTION

■ To reduce the risk of an accident

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

3-3. Using the interior lights

Interior lights list



- 1 Interior light (→P. 186)
- 2 Personal lights (→P. 186)
- 3 Engine switch light (vehicles without smart entry & start system)

■ Illuminated entry system

The interior light (with the switch in the “DOOR” position) and engine switch light (vehicles without smart entry & start system) automatically turn on/off according to engine switch mode, the presence of the electronic key (vehicles with smart entry & start system), whether the doors are locked/unlocked and whether the doors are open/closed.

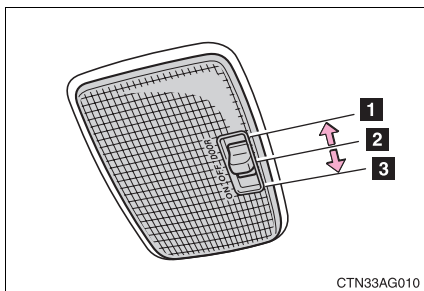
■ To prevent the battery from being discharged

If the interior light and engine switch light (vehicles without smart entry & start system) remain ON when the door is not fully closed and the interior light switch is in the “DOOR” position, the lights will go off automatically after 20 minutes.

■ Customization

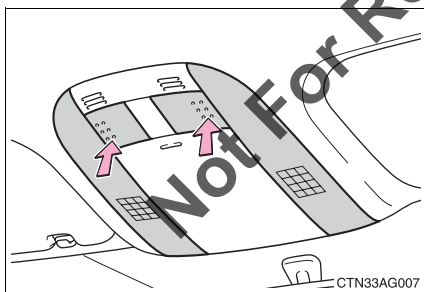
Settings (e.g. The time elapsed before lights turn off) can be changed.
(→P. 319)

Interior light



- 1** Door position
- 2** OFF
- 3** ON

Personal lights

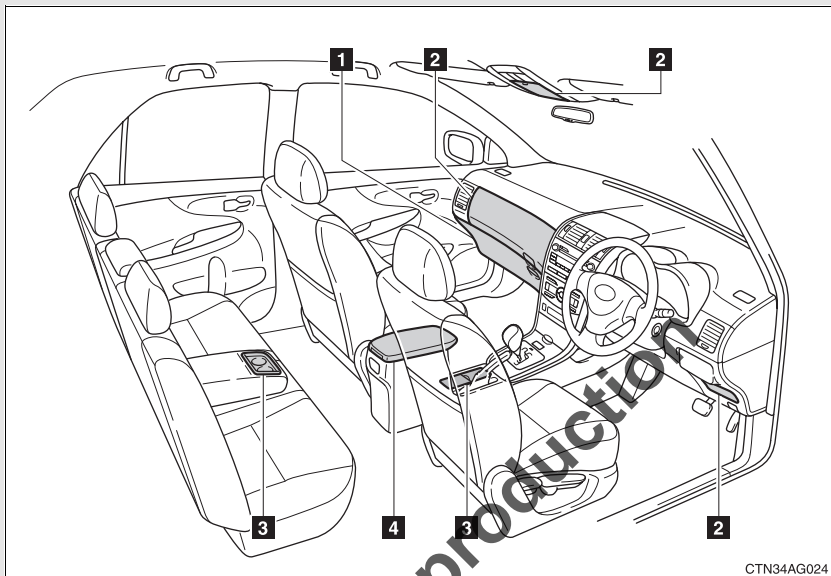


ON/OFF

3-4. Using the storage features

List of storage features

Glove box

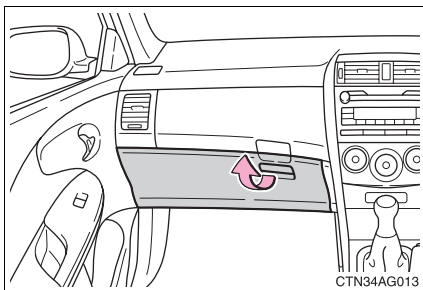


- 1** Glove box
- 2** Auxiliary boxes
- 3** Cup holders
- 4** Console box

3

Interior features

Glove box

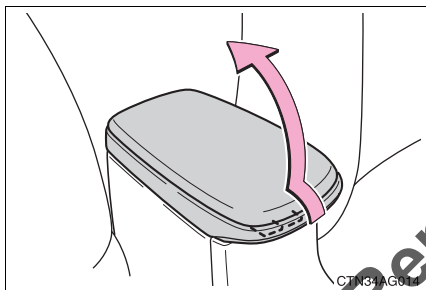


Pull up the lever.

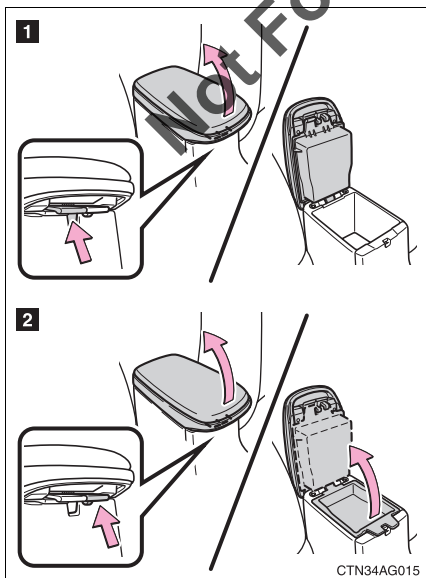
! CAUTION**Caution while driving**

Keep the glove box closed.

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

Console box**► Type A**

Lift the lid while pulling the lever.

► Type B

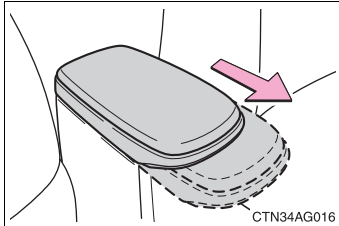
Lift the lid while pulling the lever.

1 Lift the lid and tray.

2 Lift the lid.

Pull the tray up to open the box.

■ When using the console box lid as an armrest (type B only)



If necessary, the console box lid can slide forward. Pull the lid forward by grasping the front of the lid.

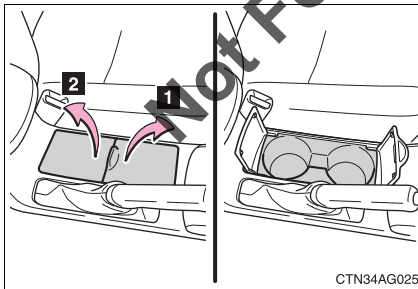
⚠ CAUTION

■ Caution while driving

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

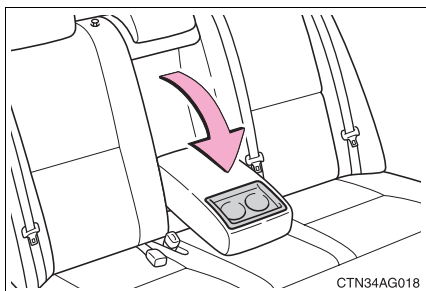
Cup holders

► Front



Open the front lid (1) before opening the rear lid (2).

► Rear



Pull the armrest down.

! CAUTION

■ Items unsuitable for the cup holder

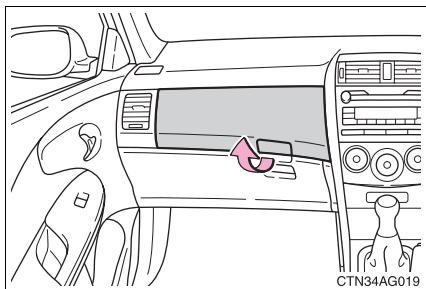
Do not place anything other than cups or aluminum cans in the cup holders. Other items may be thrown out of the holders in the event of an accident or sudden braking and cause injury. If possible, cover hot drinks to prevent burns.

■ When not in use

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

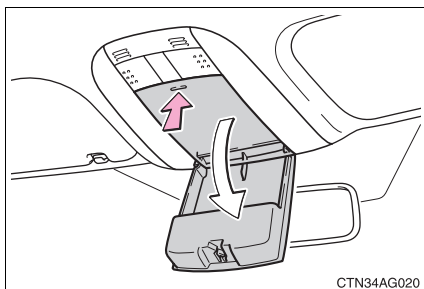
Auxiliary boxes

► Type A



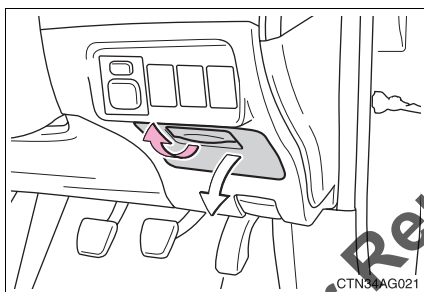
Pull up the lever.

► Type B



Push the lid.

► Type C



Pull up the lever.

⚠ CAUTION

■ **Caution while driving**

Keep the auxiliary boxes closed.

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

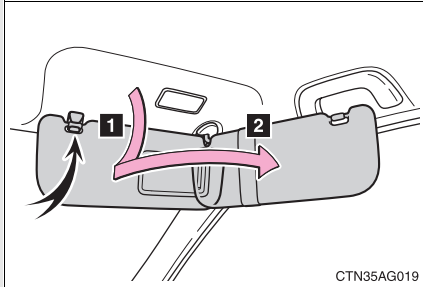
■ **Items unsuitable for storing (type B only)**

Do not store items heavier than 0.2 kg (0.4 lb.).

Doing so may cause the auxiliary box to open and the item inside may fall out, resulting in an accident.

3-5. Other interior features

Sun visors

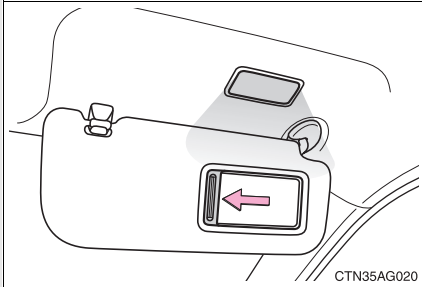


- 1** Forward position:
Flip down.
- 2** Side position:
Flip down, unhook, and swing to the side.

Not For Reproduction

3-5. Other interior features

Vanity mirrors



Slide the cover.

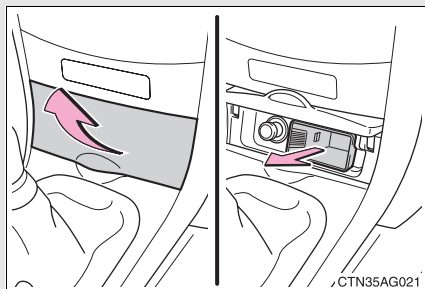
The light turns on when the cover is opened.

Not For Reproduction

3-5. Other interior features

Ashtrays

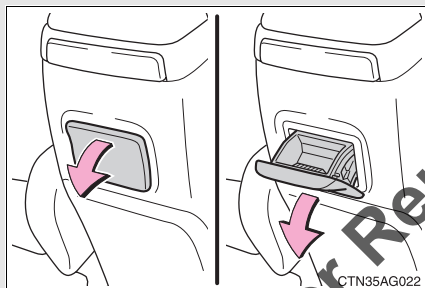
► Front



Pull the lid to open.

Pull the ashtray to remove.

► Rear



Pull the lid to open.

Pull the ashtray to remove.

⚠ CAUTION

■ When not in use

Keep the ashtray closed.

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

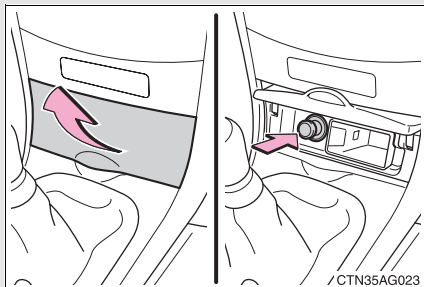
⚠ NOTICE

■ To prevent fire

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

3-5. Other interior features

Cigarette lighter



Pull the lid to open, push the cigarette lighter down.

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

■ The cigarette lighter can be used when

The engine switch is in ACC or ON mode.

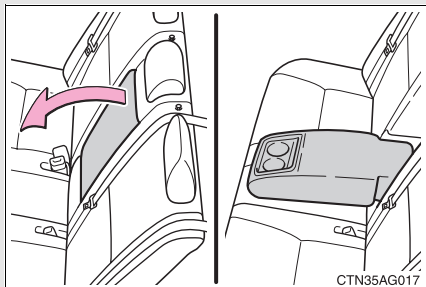
⚠ CAUTION

■ To avoid burns or fires

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

3-5. Other interior features

Armrest



Pull the armrest down for use.



NOTICE

■ To prevent damage to the armrest

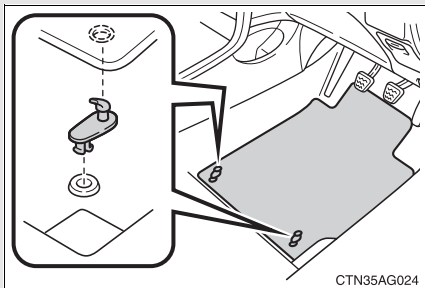
Do not place too much strain on the armrest.

Not For Reproduction

3-5. Other interior features

Floor mat

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



Secure the driver's floor mat using the hooks provided.

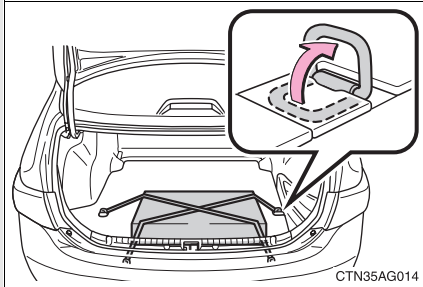
CAUTION

■ When inserting the floor mat

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

3-5. Other interior features

Cargo hooks



Cargo hooks are provided for securing loose items.

CAUTION

When the cargo hooks are not in use

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

Not For Reproduction

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

■ High pressure automatic car washes

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

■ Touch-up paint (if equipped)

Touch-up paint may be used to cover small chips or scratches.

Apply the paint soon after the damage occurs or corrosion may set in. To apply the touch-up paint so it is hardly noticeable the trick is to apply it only to the bare spots. Apply only the smallest amount possible and do not paint the surface around the scratch or chip.

■ Aluminum wheels

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

■ Bumpers and side moldings

Do not scrub with abrasive cleaners.

■ To prevent deterioration and body corrosion

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

CAUTION

■ Caution about the exhaust pipe

Exhaust gasses cause the exhaust pipe to become quite hot.

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

NOTICE

■ To protect your vehicle's painted surfaces

Do not use organic cleaners such as benzene or gasoline.

■ Cleaning the exterior lights

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

■ 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 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 ventilated area.

■ Synthetic leather areas

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

■ Cleaning the inside of the rear window

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

■ Caring for leather areas

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

■ Shampooing the carpets

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

■ Seat belts

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

⚠ CAUTION

■ Water in the vehicle

- Be careful not to splash or spill liquid on the floor.
- Do not get any of the SRS components or wiring in the vehicle interior wet. (→P. 48)

Electrical malfunction may cause the airbags to deploy or not function properly, resulting in death or severe injury.



NOTICE

■ Cleaning detergents

Do not use organic substances such as benzene or gasoline, acidic or alkaline solutions, dye, bleach or other detergent. Doing so may discolor the vehicle interior or cause streaks or damage to painted surfaces.

■ Preventing damage to leather surfaces

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

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

■ Water on the floor

Do not wash the vehicle floor with water. Vehicle systems such as the audio system may be damaged if water comes into contact with electrical components under the floor of the vehicle, and may also cause the body to rust.

■ Cleaning the inside of the rear window

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

Maintenance requirements

To ensure safe and economical driving, day-to-day care and regular maintenance is essential. Toyota recommends the following maintenance.

■ Scheduled maintenance

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

For full details of your maintenance schedule, read the “Warranty and Service Booklet”.

■ Do-it-yourself maintenance

What about do-it-yourself maintenance?

Many maintenance items are easy to do yourself if you have a little mechanical ability and a few basic automotive tools.

Note, however, that some maintenance tasks require special tools and skills. These are best performed by qualified technicians. Even if you're an experienced do-it-yourself mechanic, we recommend that repairs and maintenance be conducted by your Toyota dealer who will keep a record of maintenance on your Toyota. This record could be helpful should you ever require Warranty Service.

■ Where to go for service?

It makes good sense to take your vehicle to your local Toyota dealer for service.

Toyota technicians are well-trained specialists. And they are receiving the latest service information through technical bulletins, service tips, and in-dealership training programs. They learn to work on Toyota before they work on your vehicle, rather than while they are working on it. Doesn't that seem like the best way?

Your Toyota dealer has invested a lot of money in special Toyota tools and service equipment. It helps do the job better and at less cost.

Your Toyota dealer's service department will perform all of the scheduled maintenance on your vehicle - reliably and economically.

■ Does your vehicle need repair?

Be on the alert for changes in performance and sounds, and visual tip-offs that indicate service is needed. Some important clues are:

- Engine missing, stumbling, or pinging
- Appreciable loss of power
- Strange engine noises
- A fluid leak under the vehicle (However, water dripping from the air conditioning after use is normal.)
- Change in exhaust sound (This may indicate a dangerous carbon monoxide leak. Drive with the windows open and have the exhaust system checked immediately.)
- Flat-looking tires, excessive tire squeal when cornering, uneven tire wear
- Vehicle pulls to one side when driving straight on a level road
- Strange noises related to suspension movement
- Loss of brake effectiveness, spongy feeling brake pedal, pedal almost touches the floor, vehicle pulls to one side when braking
- Engine coolant temperature continually higher than normal

If you notice any of these clues, take your vehicle to your Toyota dealer as soon as possible. Your vehicle may need adjustment or repair.

 CAUTION**■ If your vehicle is not properly maintained**

It could result in serious damage to the vehicle and possible personal injury or death.

■ Warning in handling of the battery

Battery posts, terminals and related accessories contain lead and lead compounds which are known to cause brain damage. Wash your hands after handling. (→P. 222)

■ Used engine oil

Used engine oil contains chemicals that have been shown to cause cancer in laboratory animals. Avoid prolonged and repeated contact. Always protect your skin by washing thoroughly with soap and water.

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4-3. Do-it-yourself maintenance

Do-it-yourself service precautions

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

Items	Parts and tools
Battery condition (→P. 222)	• Warm water • Baking soda • Grease • Conventional wrench (for terminal clamp bolts)
Engine coolant level (→P. 220)	• Toyota Super Long Life Coolant or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite and non-borate coolant with long-life hybrid organic acid technology. Toyota Super Long Life Coolant is pre-mixed with 50% coolant and 50% deionized water. • Funnel (used only for adding coolant)
Engine oil level (→P. 216)	• Toyota Genuine Motor Oil or equivalent • Rag or paper towel, funnel (used only for adding oil)
Fuses (→P. 240)	• Fuse with same amperage rating as original
Radiator and condenser (→P. 221)	—
Tire inflation pressure (→P. 230)	• Tire pressure gauge • Compressed air source
Washer fluid (→P. 225)	• Water washer fluid containing antifreeze (for winter use) • Funnel

CAUTION

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

■ When working on the engine compartment

- Keep hands, clothing, and tools away from the moving fan and engine drive belt.
- Be careful not to touch the engine, radiator, exhaust manifold, etc. right after driving as they may be hot. Oil and other fluids may also be hot.
- Do not leave anything that may burn easily, such as paper or rags, in the engine compartment.
- Do not smoke, cause sparks or expose an open flame to fuel or the battery. Fuel and battery fumes are flammable.
- Be extremely cautious when working on the battery. It contains poisonous and corrosive sulfuric acid.
- Take care because brake fluid can harm your hands or eyes and damage painted surfaces.
If fluid gets on your hands or in your eyes, flush the affected area with clean water immediately.
If you still experience discomfort, see a doctor.

■ When working near the electric cooling fan or radiator grille

Be sure the engine switch is OFF.

With the engine switch in ON mode, the electric cooling fan may automatically start to run if the air conditioning is on and/or the coolant temperature is high. (→P. 221)

■ Safety glasses

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



NOTICE

■ **If you remove the air cleaner**

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

■ **If the fluid level is low or high**

It is normal for the brake fluid level to go down slightly as the brake pads wear or when the fluid level in the accumulator is high.

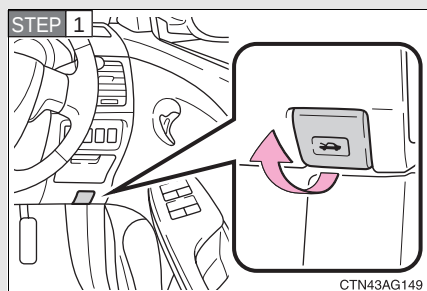
If the reservoir needs frequent refilling, it may indicate a serious problem.

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4-3. Do-it-yourself maintenance

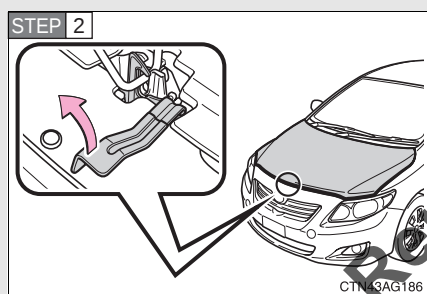
Hood

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

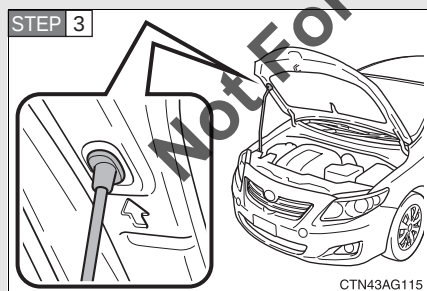


Pull the hood release lever.

The hood will pop up slightly.



Push the hood catch to the left and lift the hood.



Hold the hood open by inserting the supporting rod into the slot.

⚠ CAUTION

■ Pre-driving check

Check that the hood is fully closed and locked.

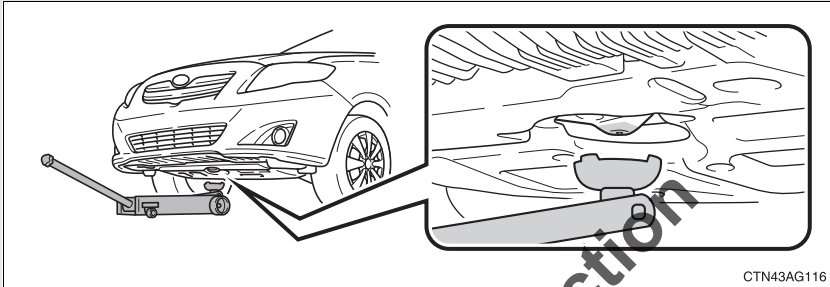
If the hood is not locked properly, it may open while the vehicle is in motion and cause an accident, which may result in death or serious injury.

4-3. Do-it-yourself maintenance

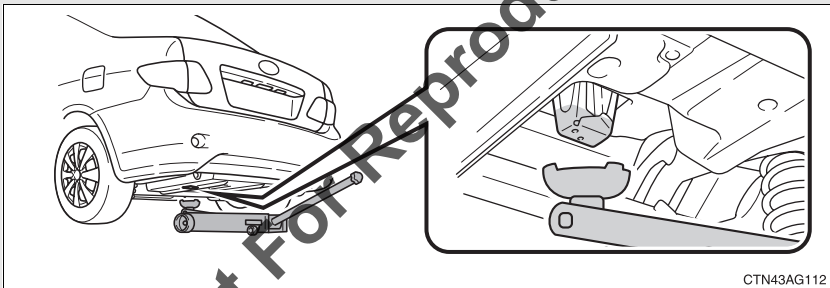
Positioning the jack

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

■ Front



■ Rear



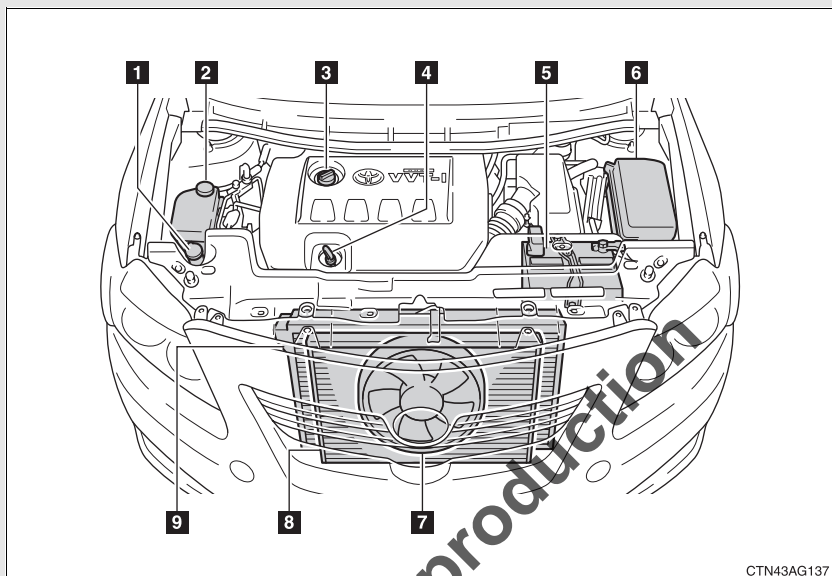
 CAUTION**■ When raising your vehicle**

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

- Do not put any part of your body or get underneath the vehicle supported only by the jack.
Always use automotive jack stands or a solid, level surface.
- Do not start the engine while the vehicle is supported by the jack.
- Stop the vehicle on level firm ground, firmly set the parking brake and put the shift lever in P (automatic transmission) or R (manual transmission).
- Make sure to set the jack properly at the jack point.
Raising the vehicle with an improperly positioned jack will damage the vehicle and may cause the vehicle to fall off the jack.
- Do not raise the vehicle while someone is in the vehicle.
- When raising the vehicle, do not place any objects on top of or underneath the jack.

4-3. Do-it-yourself maintenance

Engine compartment



1 Washer fluid tank (→P. 225)

2 Engine coolant reservoir
(→P. 220)

3 Engine oil filler cap
(→P. 217)

4 Engine oil level dipstick
(→P. 216)

5 Battery (→P. 222)

6 Fuse box (→P. 240)

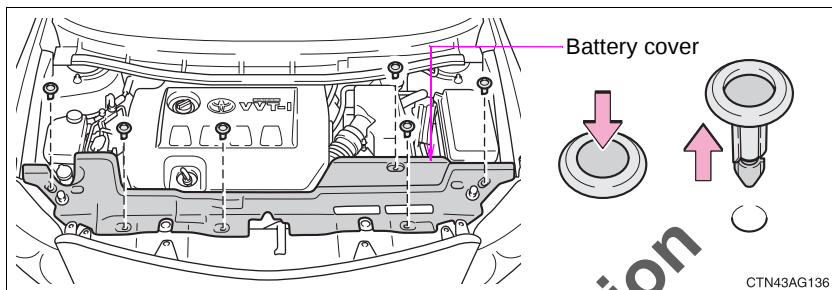
7 Electric cooling fan

8 Condenser (→P. 221)

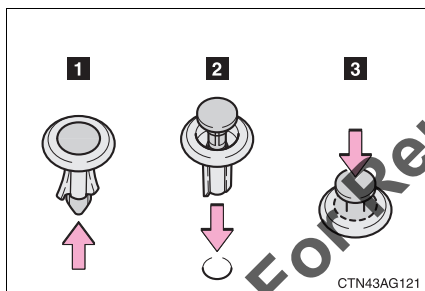
9 Radiator (→P. 221)

Engine compartment cover

■ Removing the engine compartment cover



■ Installing the clips

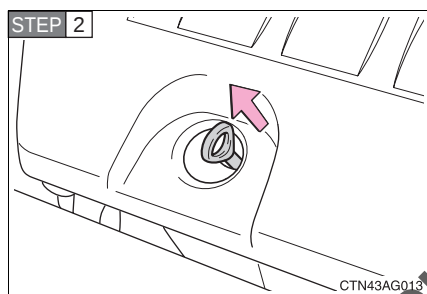


Engine oil

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

■ Checking the engine oil

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



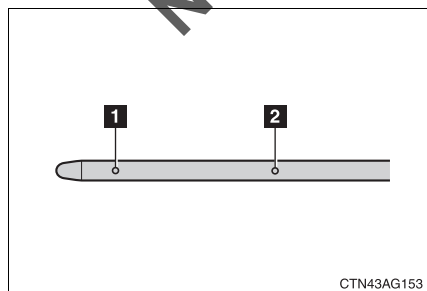
Hold a rag under the end and pull the dipstick out.

STEP 3 Wipe the dipstick clean.

STEP 4 Reinsert the dipstick fully.

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

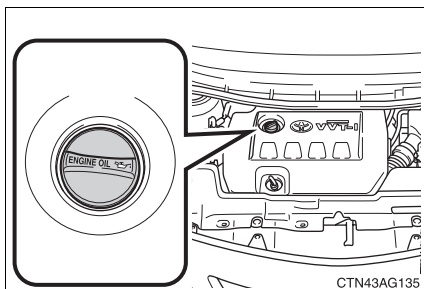
STEP 6 Wipe the dipstick and reinsert it fully.



1 Low

2 Full

■ Adding engine oil



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

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

Oil grade	20W-50 and 15W-40: API grade SL or SM multigrade engine oil 10W-30, 5W-30, 5W-20 and 0W-20: API grade SL "Energy-Conserving", SM "Energy-Conserving" or ILSAC multigrade engine oil
Items	Clean funnel

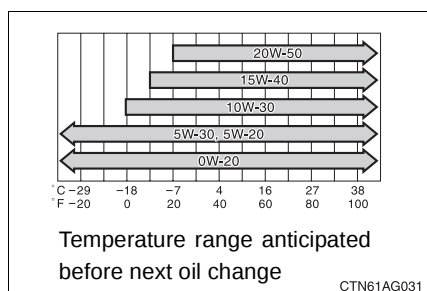
STEP 1 Remove the oil filler cap.

STEP 2 Add engine oil slowly, checking the dipstick.

STEP 3 Install the filler cap, turning it clockwise.

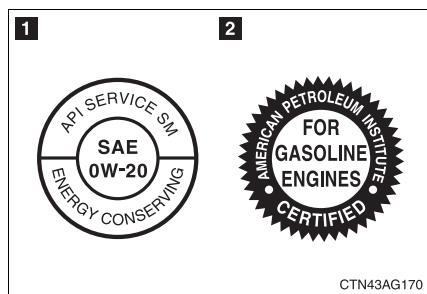
It takes about 1.5 L (1.6 qt., 1.3 Imp. qt.) to raise the oil level from low to full on the dipstick.

■ Recommended viscosity



■ How to read oil container labels

One or both API registered marks are added to some oil containers to help you select the proper oil.



1 API Service Symbol

Top portion: The oil quality designation by API (American Petroleum Institute) (SM)

Center portion: The SAE viscosity grade (SAE 0W-20)

Lower portion: “Energy-Conserving” means that the oil has fuel-saving capabilities.

2 ILSAC Certification Mark

■ Engine oil consumption

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

 CAUTION
 Used engine oil

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

 NOTICE
 To prevent serious engine damage

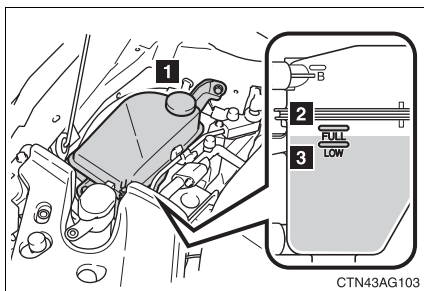
Check the oil level on regular basis.

 When replacing the engine oil

- Be careful not to spill engine oil on the vehicle components.
- Avoid overfilling, as 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”

3 “LOW”

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

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

Visually check the radiator, hoses, engine coolant filler cap, radiator cap, drain cock and water pump.

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

■ Coolant selection

Only use “Toyota Super Long Life Coolant” or similar high quality ethylene glycol based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology.

“Toyota Super Long Life Coolant” is a mixture of 50% coolant and 50% deionized water. (Enabled: -35°C [-31°F])

For more details about engine coolant, contact your Toyota dealer.

⚠ CAUTION

■ When the engine is hot

Do not remove the coolant reservoir cap.

The cooling system may be under pressure and may spray hot coolant if the cap is removed, causing burns or other injuries.

 NOTICE **When adding engine 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 damage to parts or paint.

Radiator and condenser

Check the radiator and condenser and clear any foreign objects. If either of the above parts are extremely dirty or you are not sure of their condition, have your vehicle checked by your Toyota dealer.

 CAUTION **When the engine is hot**

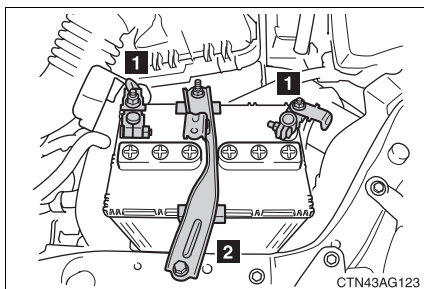
Do not touch the radiator or condenser, as they may be hot and may cause burns.

Battery

Check the battery as follows.

■ Battery exterior

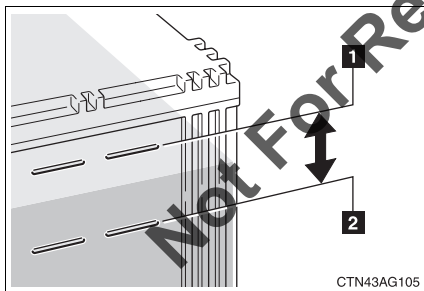
Make sure that the battery terminals are not corroded and that there are no loose connections, cracks, or loose clamps.



1 Terminals

2 Hold-down clamp

■ Checking battery fluid



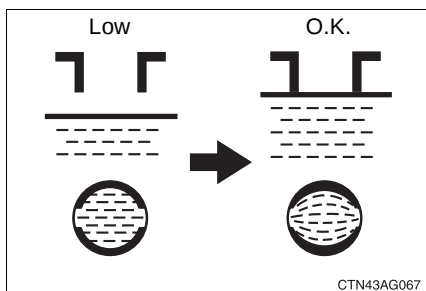
Check that the level is between “UPPER” and “LOWER”.

1 “UPPER”

2 “LOWER”

If the fluid level is at or below “LOWER”, add distilled water.

■ Adding distilled water



STEP 1 Remove the vent plug.

STEP 2 Add distilled water.

If the “UPPER” line cannot be seen, check the fluid level by looking directly at the cell.

STEP 3 Put the vent plug back on and close securely.

■ Before recharging

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

- If recharging with the battery installed on the vehicle, be sure to disconnect the ground cable.
- Make sure the power switch on the charger is off when connecting and disconnecting the charger cables to the battery.

■ After recharging the battery (vehicles with smart entry & start system)

The engine may not start. Follow the procedure below to initialize the system.

1. Shift the shift lever to P (automatic transmission) or depress the brake pedal with the shift lever in N (manual transmission).
2. Open and close any of the doors.
3. Restart the engine.

⚠ CAUTION**■ Chemicals in the battery**

A battery contains poisonous and corrosive sulfuric acid and may produce hydrogen gas which is flammable and explosive. To reduce the risk of death or serious injury, take the following precautions while working on or near battery:

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

■ Where to safely charge the battery

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

■ How to recharge the battery

Be sure to remove the vent plugs before recharging.

■ Emergency measures regarding electrolyte

- If electrolyte gets in your eyes
Flush your eyes with clean water for at least 15 minutes and get immediate medical attention. If possible, continue to apply water with a sponge or cloth while traveling to the nearest medical facility.
- If electrolyte gets on your skin
Wash the affected area thoroughly. If you feel pain or burning, get medical attention immediately.
- If electrolyte gets on your clothes
It can soak through clothing on to your skin. Immediately take off the clothing and follow the procedure above if necessary.
- If you accidentally swallow electrolyte
Drink a large quantity of water or milk. Follow with milk of magnesia, beaten raw egg or vegetable oil. Get emergency medical attention immediately.

 NOTICE

■ **When recharging the battery**

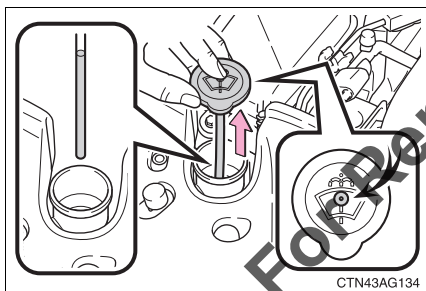
Never recharge the battery while the engine is running. Also, be sure all accessories are turned off.

■ **When adding distilled water**

Avoid overfilling. Water spilled during battery recharging may cause corrosion.

Washer fluid

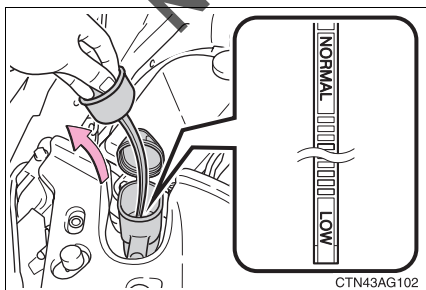
► Vehicles with headlight cleaner



If the fluid level is extremely low add washer fluid.

Raise the cap keeping your finger pressed down on the hole in the center and check the fluid level in the tube.

► Vehicles without headlight cleaner



If the washer fluid level is at "LOW" add washer fluid.



NOTICE

■ **Do not use any fluid other than washer fluid**

Do not use soapy water or engine antifreeze instead of washer fluid. Doing so may cause streaking on the vehicle's painted surfaces.

■ **Diluting washer fluid**

Dilute washer fluid with water as necessary.

Refer to the freezing temperatures listed on the washer fluid tank.

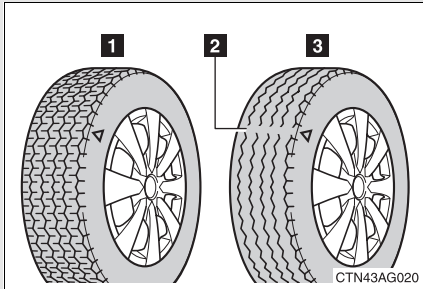
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4-3. Do-it-yourself maintenance

Tires

Replace the tires when the treadwear indicators show.

■ Checking tires



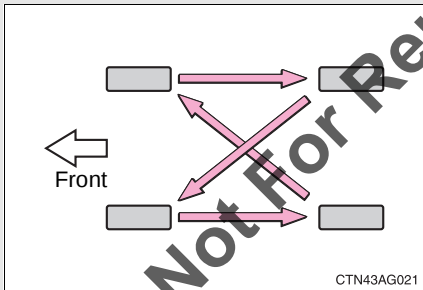
- 1 New tread
- 2 Treadwear indicator
- 3 Worn tread

The location of treadwear indicators is shown by the "TWI" or "△" marks, etc., molded on the sidewall of each tire.

Check spare tire condition and inflation pressure if not rotated.

■ Tire rotation

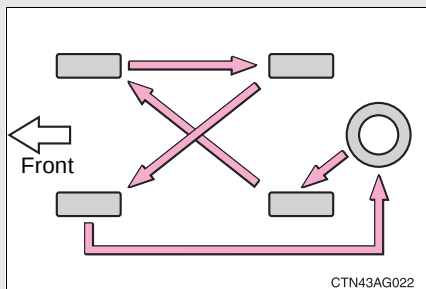
► Vehicles with aluminum wheel tires



Rotate the tires in the order shown.

Toyota recommends tire rotation in accordance with the maintenance schedule to equalize tire wear and extend tire life.

► Vehicles with steel wheel tires



■ When to replace your vehicle's tires

Tires should be replaced if:

- You have tire damage such as cuts, splits, cracks deep enough to expose the fabric or bulges indicating internal damage
- A tire goes flat repeatedly or cannot be properly repaired due to the size or location of a cut or other damage

If you are not sure, consult with your Toyota dealer.

■ Tire life

Any tire over 6 years old must be checked by a qualified technician even if they have seldom or never been used or damage is not obvious.

■ If the tread wears down 4 mm (0.16 in.) or more on snow tires

The effectiveness of snow tires is lost.

 CAUTION**When inspecting or replacing tires**

Observe the following precautions to prevent accidents.

Failure to do so may cause damage to parts of the drive train, as well as dangerous handling characteristics, which may lead to fatal or injury accidents.

- Do not mix tires of different makes, models, tread patterns or treadwear.
- Do not use tire sizes other than those recommended by Toyota.
- Do not mix radial, bias-belted, or bias-ply tires.
- Do not mix summer, all season and winter tires.
- Do not use tires that have been used on another vehicle.
Do not use tires if you do not know how they were used previously.

 NOTICE**Driving on rough roads**

Take particular care when driving on roads with loose surfaces or potholes. These conditions may cause losses in tire air pressure, reducing the cushioning ability of the tires. In addition driving on rough roads may cause damage to the tires themselves, as well as the vehicle's wheels and body.

If tire inflation pressures become low while driving

Do not continue driving, or your tires and/or wheels may be ruined.

4-3. Do-it-yourself maintenance

Tire inflation pressure

Make sure to maintain the proper tire inflation pressure. Tire inflation pressure should be checked at least once per month. However, Toyota recommends that tire inflation pressure be checked once every two weeks. (→P. 316)

■ Effects of incorrect tire inflation pressure

Driving with incorrect tire inflation pressure may result in the following:

- Reduced fuel efficiency
- Reduced driving comfort and tire life
- Reduced safety
- Damage to the drive train

If a tire needs frequent refilling, have it checked by your Toyota dealer.

■ Instructions for checking tire inflation pressure

When checking tire inflation pressure, observe the following:

- Check only when the tires are cold.
If your vehicle has been parked for at least 3 hours and has not been driven for more than 1.5 km or 1 mile, you will get an accurate cold tire inflation pressure reading.
- Always use a tire pressure gauge.
The appearance of the tire can be misleading. In addition, tire inflation pressures that are even just a few pounds off can degrade ride and handling.
- Do not bleed or reduce tire inflation pressure after driving. It is normal for the tire inflation pressure to be higher after driving.
- Never exceed the vehicle capacity weight.
Passengers and luggage weight should be placed so that the vehicle is balanced.

 CAUTION**■ Proper inflation is critical to save tire performance**

Keep your tires properly inflated. Otherwise, the following conditions may occur and result in an accident causing death or serious injury.

- Excessive wear
- Uneven wear
- Poor handling
- Possibility of blowouts resulting from overheated tires
- Poor sealing of the tire bead
- Wheel deformation and/or tire separation
- A greater possibility of tire damage from road hazards

 NOTICE**■ When inspecting and adjusting tire inflation pressure**

Be sure to reinstall the tire valve caps.

Without the valve caps, dirt or moisture could get into the valve and cause air leakage, which could result in an accident. If the caps have been lost, replace them as soon as possible.

Wheels

If a wheel is bent, cracked or heavily corroded, it should be replaced. Otherwise, the tire may separate from the wheel or cause loss of handling control.

■ Wheel selection

When replacing wheels, care should be taken to ensure that they are equivalent to those removed in load capacity, diameter, rim width, and offset.

Replacement wheels are available at your Toyota dealer.

Toyota does not recommend using:

- Wheels of different sizes or types
- Used wheels

■ Aluminum wheel precautions

- Use only Toyota wheel nuts and wrenches designed for use with your aluminum wheels.
- When rotating, repairing or changing your tires, check that the wheel nuts are still tight after driving 1600 km (1000 miles).
- Be careful not to damage the aluminum wheels when using tire chains.
- Use only Toyota genuine balance weights or equivalent and a plastic or rubber hammer when balancing your wheels.

CAUTION

■ When replacing wheels

- Do not use wheels that are a different size from those recommended in the Owner's Manual, as this may result in loss of handling control.
- Never use an inner tube in a leaking wheel which is designed for a tubeless tire. Doing so may result in an accident, causing serious injury or death.

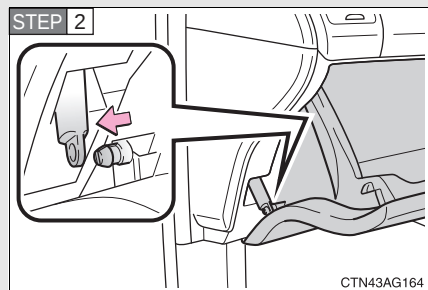
4-3. Do-it-yourself maintenance

Air conditioning filter

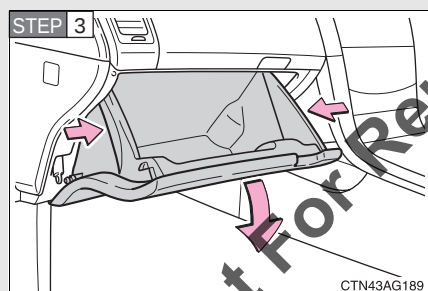
The air conditioning filter must be cleaned or changed regularly to maintain air conditioning efficiency.

■ Removal method

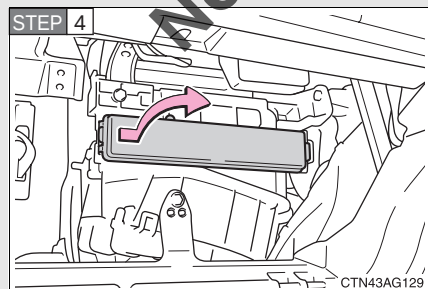
STEP 1 Turn the engine switch OFF.



Open the glove box. Slide off the damper.

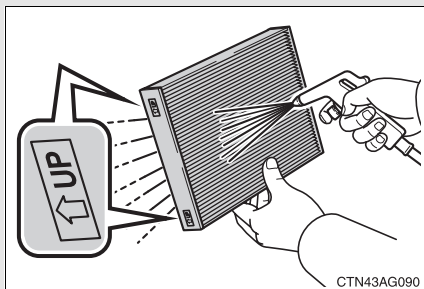


Push in each side of the glove box to disconnect the claws.



Remove the filter cover.

■ Cleaning method

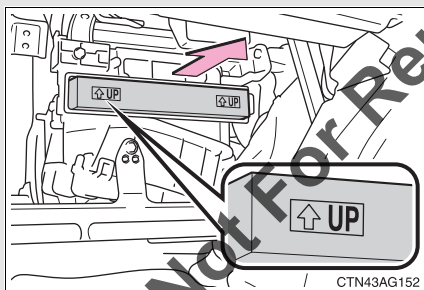


If the filter is dirty, clean by blowing compressed air through the filter from the downward side.

Hold the air gun 5 cm (2 in.) from the filter and blow for approximately 2 minutes at 500 kPa (5.0 kgf/cm² or bar, 72 psi).

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

■ Replacement method



Remove the air conditioning filter and replace it with a new one.

The "↑UP" marks shown on the filter should be pointing up.

■ Checking interval

Inspect, clean and replace the air conditioning filter according to the maintenance schedule. In dusty areas or areas with heavy traffic flow, early replacement may be required. (For scheduled maintenance information, please refer to the "Warranty and Service Booklet".)

■ If air flow from the vents decreases dramatically

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

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

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

Not For Reproduction

4-3. Do-it-yourself maintenance

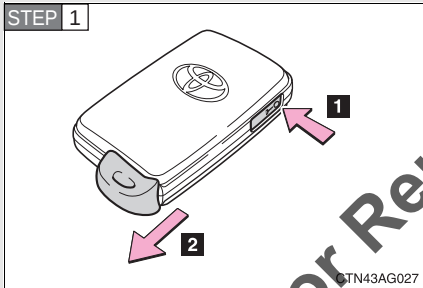
Key battery

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

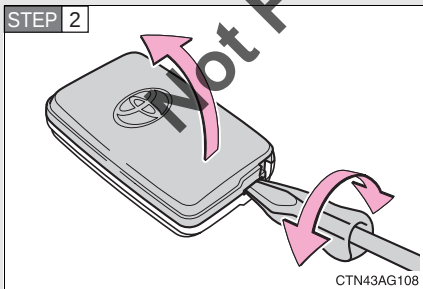
■ You will need the following items:

- Flathead screwdriver (To prevent damage to the key, cover the tip of the screwdriver with rag.)
- Small Phillips-head screwdriver
- Lithium battery CR1632 (vehicles with smart entry & start system), CR2016 (vehicles without smart entry & start system)

■ Replacing the battery (vehicles with smart entry & start system)

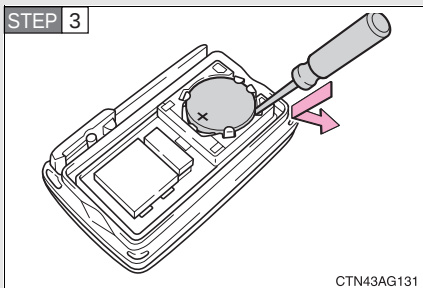


Take out the mechanical key.



Remove the cover.

STEP 3



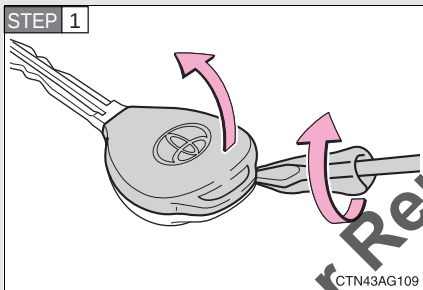
CTN43AG131

Remove the depleted battery.

Insert a new battery with the “+” terminal facing up.

■ Replacing the battery (vehicles without smart entry & start system)

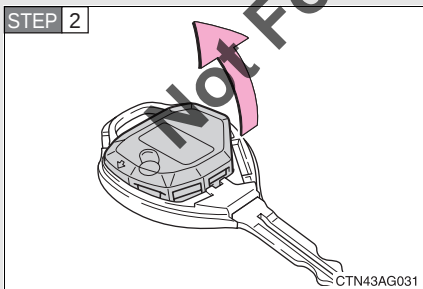
STEP 1



CTN43AG109

Remove the cover.

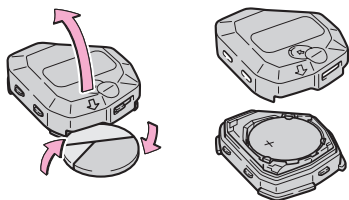
STEP 2



CTN43AG031

Remove the module.

STEP 3



CTN43AG032

Open the case cover using a coin protected with tape etc. and remove the depleted battery.

Insert a new battery with the "+" terminal facing up.

■ If the key battery is discharged

The following symptoms may occur.

- The smart entry & start system and wireless remote control will not function properly.
- The operational range is reduced.

■ Use a CR1632 (vehicles with smart entry & start system), or CR2016 (vehicles without smart entry & start system) lithium battery

- Batteries can be purchased at your Toyota dealer, jewelers, or camera stores.
- Replace only with the same or equivalent type recommended by your Toyota dealer.
- Dispose of used batteries according to the local laws.

⚠ CAUTION

■ Removed battery and other parts

Keep away from children.

These parts are small and if swallowed by a child they can cause choking.

**NOTICE****■ For normal operation after replacing the battery**

Observe the following precautions to prevent accidents.

- Always work with dry hands.
Moisture may cause the battery to rust.
- Do not touch or move any other components inside the remote control.
- Do not bend either of the battery terminals.

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4-3. Do-it-yourself maintenance

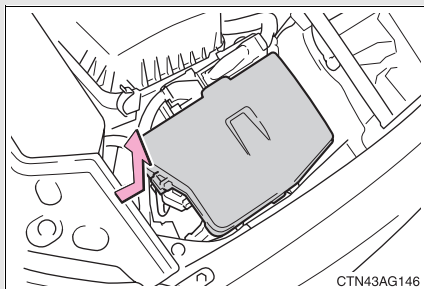
Checking and replacing fuses

If any of the electrical components do not operate, a fuse may have blown. If this happens, check and replace the fuses as necessary.

STEP 1 Turn the engine switch OFF.

STEP 2 The fuses are located in the following places. To check the fuses, follow the instructions below.

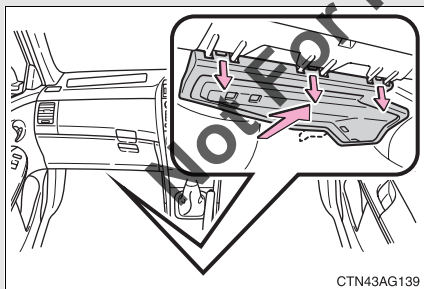
■ Engine compartment



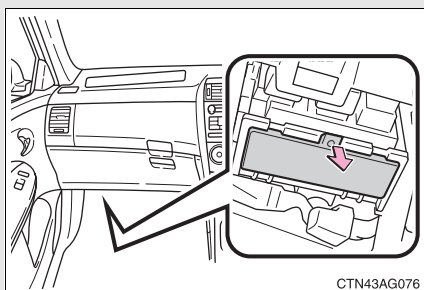
Push the tab in and lift the lid off.

■ Under the instrument panel

► Passenger's side instrument panel (type A)

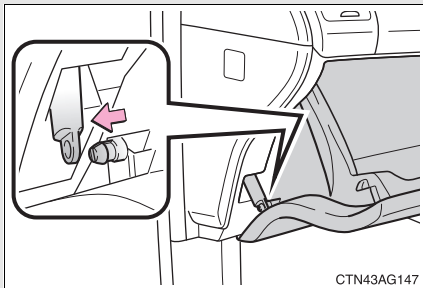


1. Remove the cover.

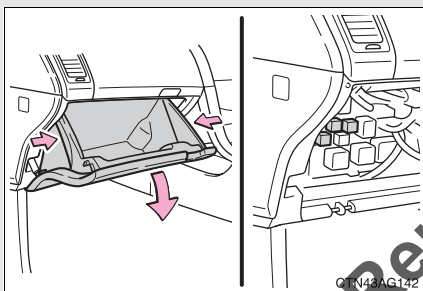


2. Remove the lid.

► Passenger's side instrument panel (type B)

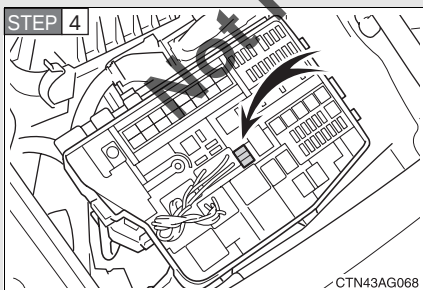


1. Open the glove box. Slide off the damper.



2. Push in each side of the glove box to disconnect the claws.

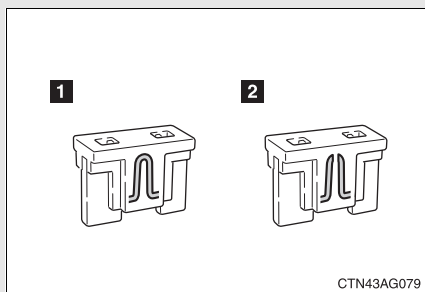
STEP 3 After a system failure, see "Fuse layout and amperage ratings" (→P. 248) for details about which fuse to check.



Remove the fuse with the pull-out tool.

STEP 5 Check if the fuse has blown.

► Type A

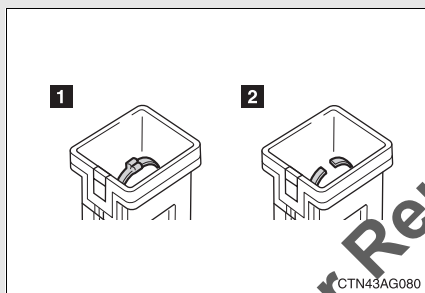


1 Normal fuse

2 Blown fuse

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

► Type B

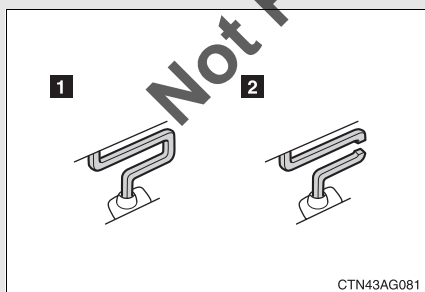


1 Normal fuse

2 Blown fuse

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

► Type C

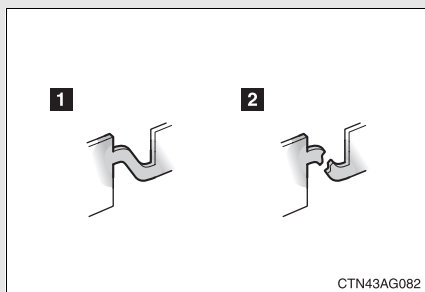


1 Normal fuse

2 Blown fuse

Contact your Toyota dealer.

► Type D



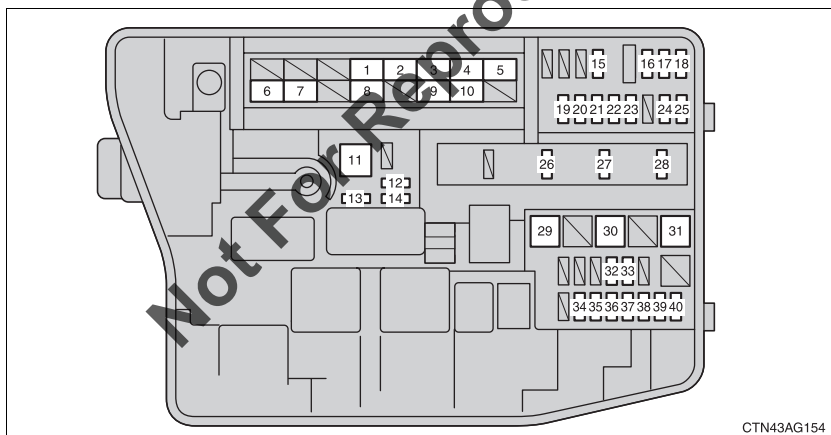
1 Normal fuse

2 Blown fuse

Contact your Toyota dealer.

Fuse layout and amperage ratings

■ Engine compartment



Fuse		Ampere	Circuit
1	H-LP CLN	30 A	Headlight cleaner
2	RDI FAN	40 A	Electric cooling fan(s)
3	ABS NO. 3	30 A	Anti-lock brake system
4	ABS NO. 1	50 A	Anti-lock brake system
5	HTR	50 A	Air conditioning system

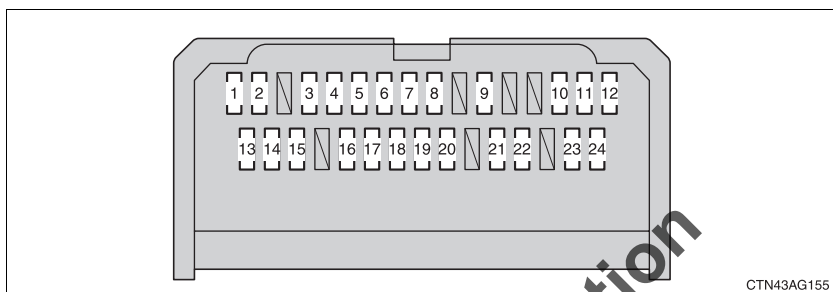
Fuse		Ampere	Circuit
6	ALT	120 A	Charging system, RDI FAN, H-LP CLN, ABS NO. 1, ABS NO. 3, HTR, ACC, CIG, METER, IGN, ECU-IG NO. 2, HTR-IG, WIPER, WASHER, ECU-IG NO. 1, AM1, DOOR, STOP, FR DOOR, POWER, RR DOOR, RL DOOR, OBD, ACC-B, FR FOG, DEF, TAIL, PANEL
7	EPS	60 A	Electric power steering
8	P-SYSTEM	—	No circuit
9	P/I	50 A	EFI MAIN, HORN, IG2
10	H-LP MAIN	50 A	H-LP LH LO, H-LP RH LO, H-LP LH HI, H-LP RH HI
11	AMT	—	No circuit
12	SPARE	10 A	Spare fuse
13	SPARE	30 A	Spare fuse
14	SPARE	20 A	Spare fuse
15	ECU-B2	10 A	Air conditioning system, smart entry & start system
16	ECU-B	10 A	Main body ECU, gauge and meters, power door lock system, power windows
17	RAD NO. 1	15 A	Audio system
18	DOME	10 A	Interior lights, trunk light, vanity lights, smart entry & start system, wireless remote control
19	AM2 NO. 2	7.5 A	Main body ECU
20	ALT-S	7.5 A	Charging system
21	TURN-HAZ	10 A	Turn signal lights, emergency flashers
22	ETCS	10 A	Electronic throttle control system

	Fuse	Ampere	Circuit
23	AM2	30 A	Starting system
24	STRG LOCK	20 A	Steering lock system
25	IGT/INJ	—	No circuit
26	EFI MAIN	20 A	Multiport fuel injection system/ sequential multiport fuel injection system, EFI NO. 1, EFI NO. 2
27	HORN	10 A	Horn
28	IG2	15 A	Multiport fuel injection system/ sequential multiport fuel injection system, starting system, IGN, METER
29	HTR SUB NO. 1	—	No circuit
30	HTR SUB NO. 2	—	No circuit
31	HTR SUB NO. 3	—	No circuit
32	FR DEICER	—	No circuit
33	ABS NO. 2	—	No circuit
34	IG2 NO.2	7.5 A	Starting system
35	EFI NO. 2	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
36	EFI NO. 1	10 A	Multiport fuel injection system/ sequential multiport fuel injection system
37	H-LP RH HI	10 A	Right-hand headlight (high beam)
38	H-LP LH HI	10 A	Left-hand headlight (high beam)
39	H-LP RH LO	10 A ^{*1}	Right-hand headlight (low beam)
		15 A ^{*2}	
40	H-LP LH LO	10 A ^{*1}	Left-hand headlight (low beam)
		15 A ^{*2}	

*1: Vehicles without discharge headlights (low beam)

*2: Vehicles with discharge headlights (low beam)

■ Under the instrument panel (type A)



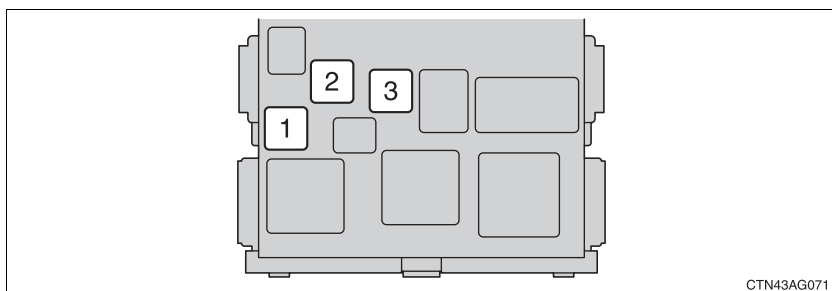
Fuse		Ampere	Circuit
1	TAIL	10 A	Front position lights, tail lights, license plate lights, front fog lights, manual headlight leveling dial, multiport fuel injection system/sequential multiport fuel injection system, instrument cluster lights
2	PANEL	7.5 A	Switch illumination, instrument cluster lights, glove box light, steering switches, main body ECU
3	FR DOOR	20 A	Power windows
4	RL DOOR	20 A	Power windows
5	RR DOOR	20 A	Power windows
6	SUNROOF	—	No circuit
7	CIG	15 A	Cigarette lighter
8	ACC	7.5 A	Audio system, main body ECU, smart entry & start system, outside rear view mirrors
9	MIR HTR	—	No circuit
10	RR FOG	—	No circuit

Fuse		Ampere	Circuit
11	IGN	7.5 A	Steering lock system, SRS airbag system, multiport fuel injection system/sequential multiport fuel injection system, smart entry & start system
12	METER	7.5 A	Gauge and meters
13	SEAT HTR	—	No circuit
14	HTR-IG	10 A	Air conditioning system, rear window defogger
15	WIPER	25 A	Windshield wipers, rain sensor
16	WASHER	15 A	Windshield washer
17	ECU-IG NO. 1	10 A	Automatic headlight leveling system, main body ECU, electric power steering, electric cooling fan(s), shift lock control system, rain sensor, anti-lock brake system, audio system, multiport fuel injection system/sequential multiport fuel injection system, headlight cleaner
18	ECU-IG NO. 2	10 A	Back-up lights, charging system, auto anti-glare inside rear view mirror, rear window defogger, air conditioning system, turn signal lights, emergency flashers, front passenger's seat belt reminder light
19	OBD	7.5 A	On-board diagnosis system
20	STOP	10 A	Stop lights, high mounted stop-light, anti-lock brake system, main body ECU, multiport fuel injection system/sequential multiport fuel injection system
21	DOOR	25 A	Power door lock system
22	ACC-B	25 A	CIG, ACC

Fuse		Ampere	Circuit
23	FR FOG	15 A	Front fog lights
24	AM1	7.5 A	Starting system, shift lock control system

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■ Under the instrument panel (type B)



CTN43AG071

Fuse		Ampere	Circuit
1	POWER	30 A	Power windows
2	DEF	40 A	Rear window defogger
3	PWR SEAT	—	No circuit

■ 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. 251)
- If the replaced fuse blows again, have the vehicle inspected by your Toyota dealer.

■ If there is an overload in the circuits

The fuses are designed to blow before the entire wiring harness is damaged.

 CAUTION

■ **To prevent system breakdowns and vehicle fire**

Observe the following precautions.

Failing to do so may cause damage, and possibly a fire or injury.

- Never use a fuse of a higher amperage rating than indicated, or use any other object in place of a fuse.
- Always use a genuine Toyota fuse or equivalent.
Never replace a fuse with a wire, even as a temporary fix.
This can cause extensive damage or even fire.
- Do not modify the fuse or the fuse box.

 NOTICE

■ **Before replacing fuses**

Have the cause of electrical overload determined and repaired by your Toyota dealer, as soon as possible.

Not For Reproduction

4-3. Do-it-yourself maintenance

Light bulbs

You may replace the following bulbs yourself. The difficulty level of replacement varies depending on the bulb. If necessary bulb replacement seems difficult to perform, contact your Toyota dealer.

For more information about replacing other light bulbs, contact your Toyota dealer.

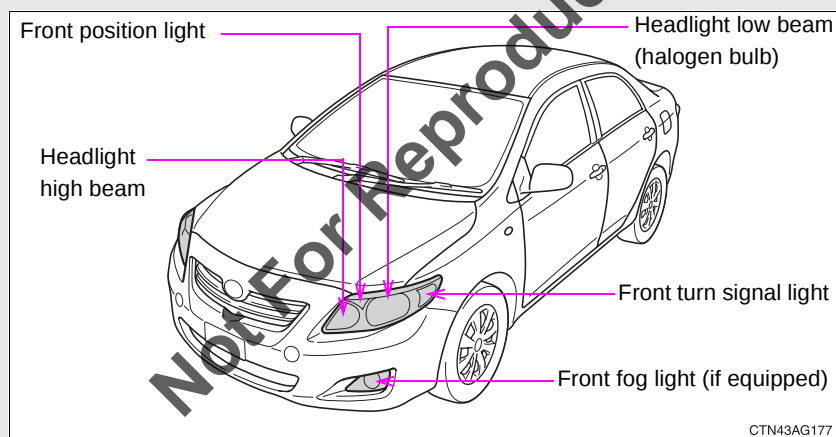
■ Prepare a replacement light bulb.

Check the wattage of the light bulb being replaced. (→P. 317)

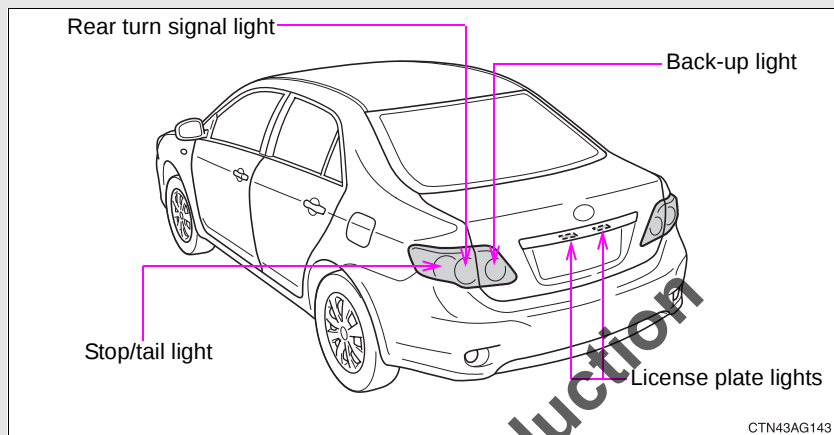
■ Remove the engine compartment cover.

→P. 215

■ Front bulb locations

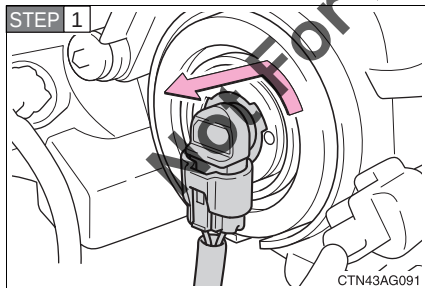


■ Rear bulb locations

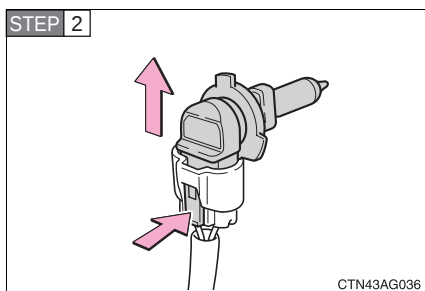


Replacing light bulbs

■ Headlight low beams (vehicles with halogen bulbs)

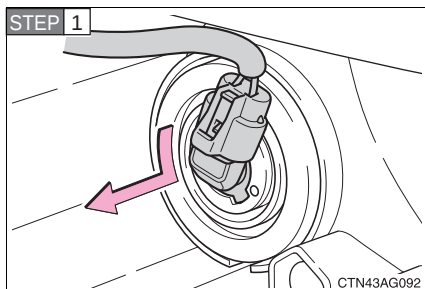


Turn the bulb base counterclockwise.

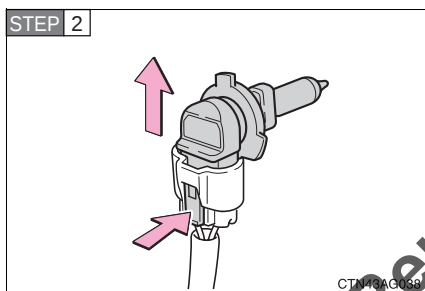


Unplug the connector while depressing the lock release.

■ Headlight high beams

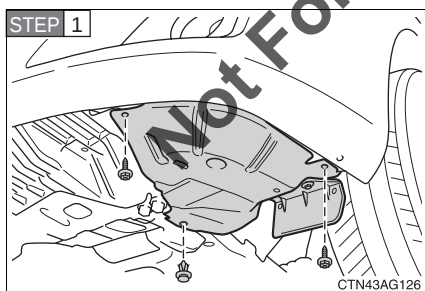


Turn the bulb base counterclockwise.

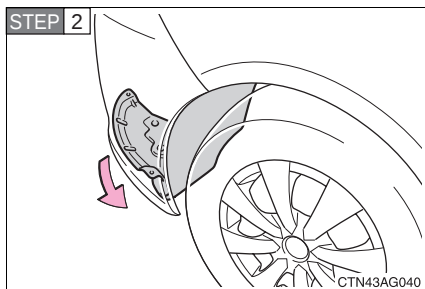


Unplug the connector while depressing the lock release.

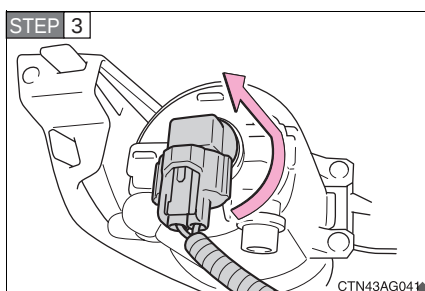
■ Front fog lights (if equipped)



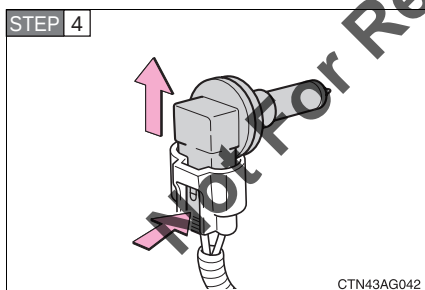
Remove the fender liner bolts and clip.



Remove the fender liner.

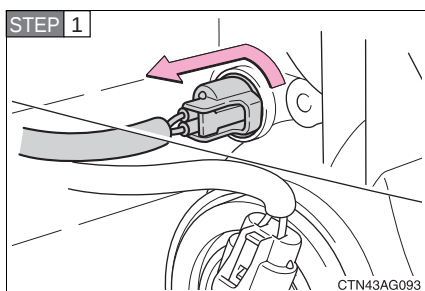


Turn the bulb base counterclockwise.

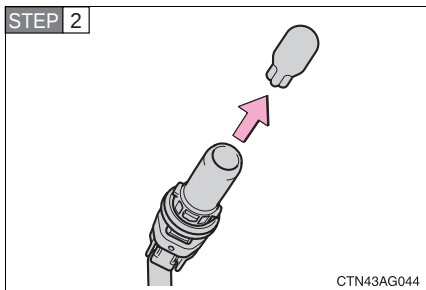


Unplug the connector while depressing the lock release.

■ Front position lights



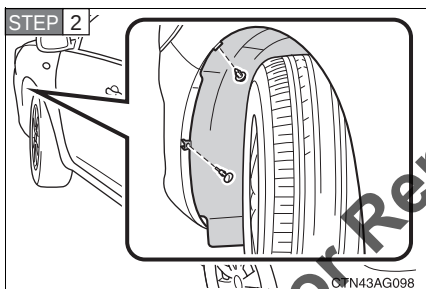
Turn the bulb base counterclockwise.



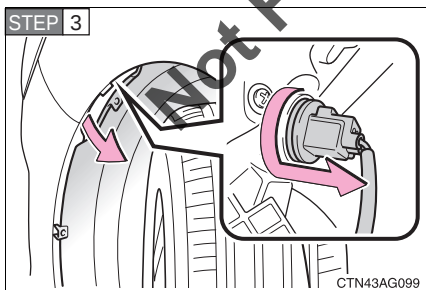
Remove the light bulb.

■ Front turn signal lights

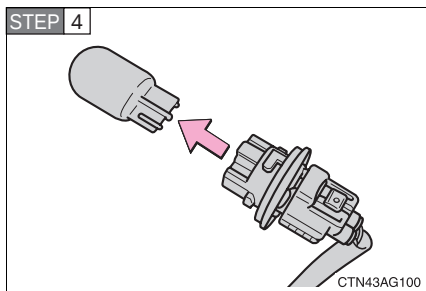
STEP 1 Turn the steering wheel away from the side being worked on. This will move the tire to provide more room.



Remove the fender liner clips.

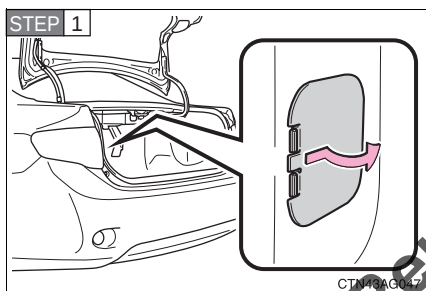


Remove the fender liner and turn the bulb base counterclockwise.

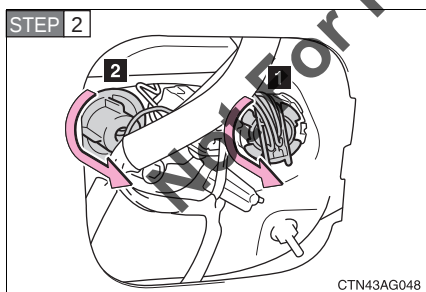


Remove the light bulb.

■ Stop/tail lights and rear turn signal lights

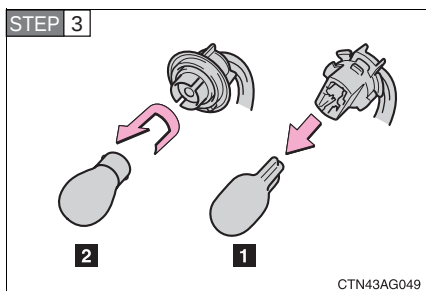


Open the trunk lid and remove the cover.



Turn the bulb bases counter-clockwise.

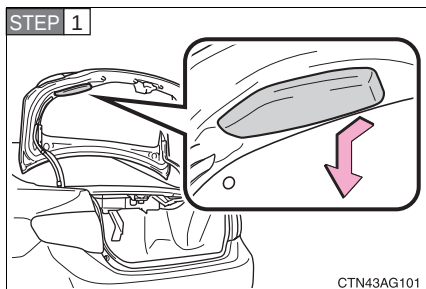
- 1** Stop/tail light
- 2** Rear turn signal light



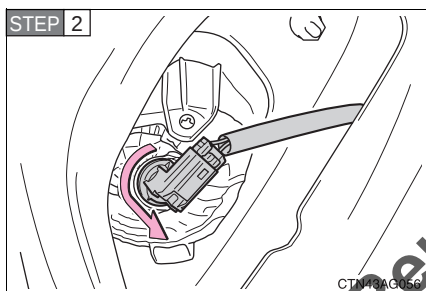
Remove the light bulb.

- 1** Stop/tail light
- 2** Rear turn signal light

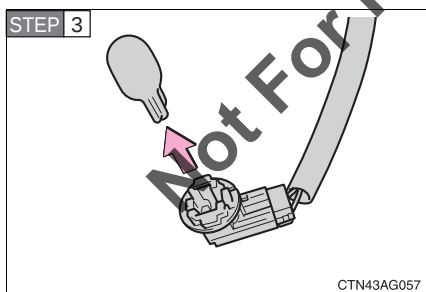
■ Back-up light



Open the trunk lid and remove the cover.

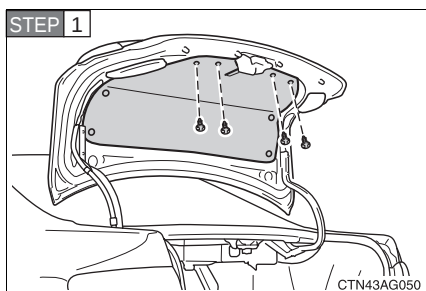


Turn the bulb bases counter-clockwise.

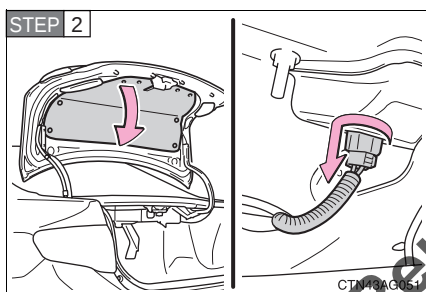


Remove the light bulb.

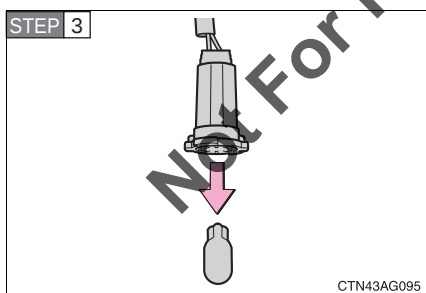
■ License plate lights



Open the trunk lid and remove the trunk panel cover clips.



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



Remove the light bulb.

■ Lights other than the above

If any of the lights listed below has burnt out, have it replaced by your Toyota dealer.

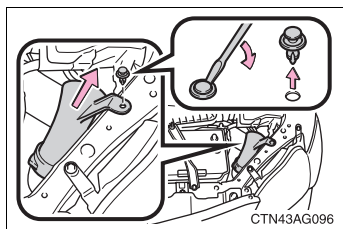
- Headlight low beams (discharge bulb)
- Side turn signal lights
- High mounted stoplight

■ When replacing the front left headlight and front position light bulbs

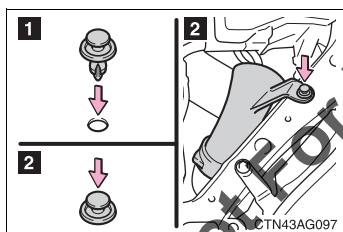
Remove the securing clip and the upper of the air cleaner duct to allow easy access to the light bulbs.

After replacing the bulbs, make sure to secure the upper of the air cleaner duct with the clip.

- Remove the upper of the air cleaner duct



- Installing the clip



1 Insert

2 Press

■ Condensation build-up on the inside of the lens

Contact your Toyota dealer for more information in the following situations. Temporary condensation build-up on the inside of the headlight lens does not indicate a malfunction.

- Large drops of water are built up on the inside of the lens.
- Water has built up inside the headlight.

■ Discharge headlights

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

■ LED high mounted stoplight

The high mounted stoplight consists of a number of LEDs. If any of the LEDs burn out, take your vehicle to your Toyota dealer to have the light replaced.

CAUTION

■ Replacing light bulbs

- Turn off the headlights. Do not attempt to replace the bulb immediately after turning off the headlights.
The bulbs become very hot and may cause burns.
- Do not touch the glass portion of the light bulb with bare hands. Hold the bulb by the plastic or metal portion.
If the bulb is scratched or dropped it may blow out or crack.
- Fully install light bulbs and any parts used to secure them. Failing to do so may result in heat damage, fire, or water entering the headlight unit. This may damage the headlights or cause condensation to build up on the lens.
- Do not attempt to take apart or repair the low beam discharge headlight bulbs, connectors, power supply circuits, or related components.
Doing so could result in electric shock and serious injury or death.

■ Discharge headlights

- Contact your Toyota dealer before replacing discharge headlights (including light bulbs).
- Do not touch the high-intensity discharge headlight's high voltage socket when the headlights are turned on.
An extremely high voltage of 20000 V will be discharged and could result in serious injury or death by electric shock.

■ To prevent damage or fire

Make sure bulbs are fully seated and locked.

When trouble arises

5

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operate properly (vehicles
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5-1. Essential information

If your vehicle needs to be towed

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

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

If towing from the front, the vehicle's rear wheels and axles must be in good condition. (→P. 266)

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

Before towing

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

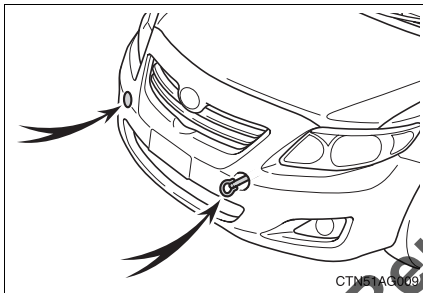
- The engine is running, but the vehicle will not move.
- The vehicle makes an abnormal sound.

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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.



Towing eyelets

Emergency towing procedure

- STEP 1** Release the parking brake.
- STEP 2** Shift the shift lever to N.
- STEP 3** Put the engine switch in ACC mode (engine off) or ON mode (engine running).

⚠ CAUTION

Caution while towing

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

 NOTICE

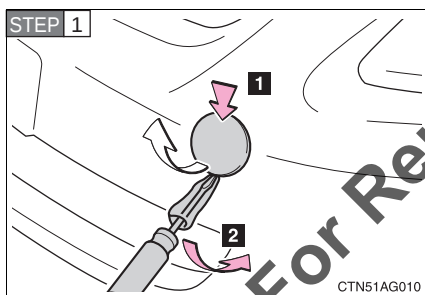
■ **To prevent causing serious damage to the transmission (vehicles with an automatic transmission)**

Never tow this vehicle from the rear with the front wheels on the ground. This may cause serious damage to the transmission.

■ **When towing a vehicle without using a towing dolly (vehicles with a manual transmission)**

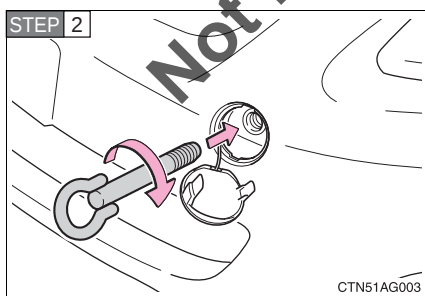
The engine switch must not be OFF.

Installing towing eyelets

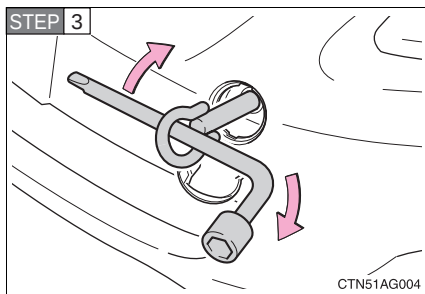


Remove the eyelet cover using a flathead screwdriver.

To protect the bodywork, place a rag between the screwdriver and the vehicle body, as shown in the illustration.



Insert the towing eyelet into the hole and tighten partially by hand.



Tighten down the towing eyelet securely using a wheel nut wrench.

■ Location of the emergency towing eyelet

→P. 282

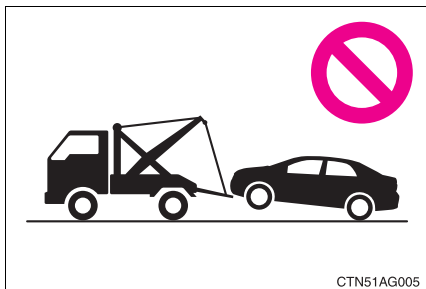
⚠ CAUTION

■ Installing towing eyelets to the vehicle

Make sure that towing eyelets are installed securely.

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

Towing with a sling-type truck

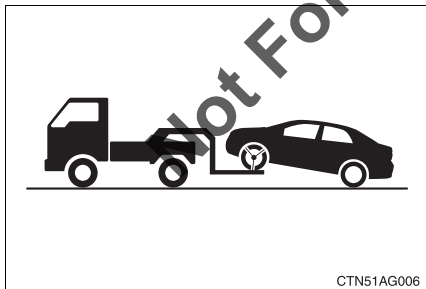


NOTICE

To prevent body damage

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

Towing with a wheel lift-type truck from the front



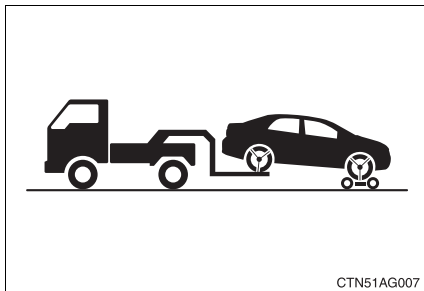
Release the parking brake.

NOTICE

To prevent damaging the vehicle

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.

Towing with a wheel lift-type truck from the rear



Vehicles with an automatic transmission: Use a towing dolly under the front wheels.

Vehicles with a manual transmission: We recommend to use a towing dolly under the front wheels.

When not using a towing dolly, turn the engine switch to ACC mode and shift the shift lever to N.

⚠ NOTICE

■ **To prevent causing serious damage to the transmission (vehicles with an automatic transmission)**

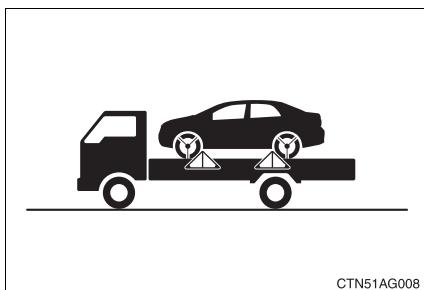
Never tow this vehicle from the rear with the front wheels on the ground.

■ **To prevent damaging the vehicle (vehicles with a manual transmission)**

Do not tow the vehicle with the engine switch OFF.

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

Using a flat bed 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.

5-1. Essential information

If you think something is wrong

If you notice any of the following symptoms, your vehicle probably needs adjustment or repair. Contact your Toyota dealer as soon as possible.

■ Visible symptoms

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

■ Audible symptoms

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

■ Operational symptoms

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

5-1. Essential information

Fuel pump shut off system

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

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

STEP 1 Turn to ACC mode or OFF.

STEP 2 Restart the engine.



NOTICE

■ Before starting the engine

Inspect the ground under the vehicle.

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

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5-2. Steps to take in an emergency

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

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

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

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

Warning light	Warning light/Details
	Brake system warning light (warning buzzer)* Indicates the following: • The brake fluid level is low. • The brake system is malfunctioning. 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 (→P. 278)

Stop the vehicle immediately.

The following warnings indicate the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Toyota dealer.

Warning light	Warning light/Details
	Charging system warning light Indicates a malfunction in the vehicle's charging system.
	Low engine oil pressure warning light (vehicles without Optitron type meters) Indicates that the engine oil pressure is too low.

Have the vehicle inspected immediately.

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

Warning light	Warning light/Details
	Malfunction indicator lamp Indicates a malfunction in: • The electronic engine control system; • The electronic throttle control system; • The electronic automatic transmission control system.
	SRS warning light Indicates a malfunction in: • The SRS airbag system; • The seat belt pretensioner system.
	ABS warning light Indicates a malfunction in the ABS.
	Electric power steering warning light Indicates a malfunction in the EPS (Electric Power Steering) system.
	Automatic headlight leveling system warning light (if equipped) Indicates a malfunction in the automatic headlight leveling system.

Follow the correction procedures.

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

Warning light	Warning light/Details	Correction procedure
	Open door warning light (vehicles without Optitron type meters) Indicates that a door or trunk is not fully closed.	Check that all doors and a trunk are closed.
	Low fuel level warning light (vehicles without Optitron type meters) (if equipped) Indicates that remaining fuel is about 8.3 L (2.2 gal., 1.8 Imp. gal.) or less	Refuel the vehicle.
 (on the instrument cluster)	Driver's seat belt reminder light (warning buzzer)* Warns the driver to fasten his/her seat belt.	Fasten the seat belt.
 (on the center cluster)	Front passenger's seat belt reminder light (warning buzzer)* Warns the front passenger to fasten his or her seat belt.	Fasten the seat belt.
	Master warning light (vehicles with Optitron type meters) A buzzer sounds and the warning light comes on and flashes to indicate that the master warning system has detected a malfunction.	→P. 274

*: Driver's and front passenger's seat belt reminders:

The driver's and front passenger's seat belts reminder sounds to alert the driver and front passenger that his or her seat belt is not fastened. The buzzer sounds for 30 seconds after the vehicle has reached a speed of at least 20 km/h (12 mph). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 90 more seconds.

■ **Front passenger detection sensor and passenger seat belt reminder**

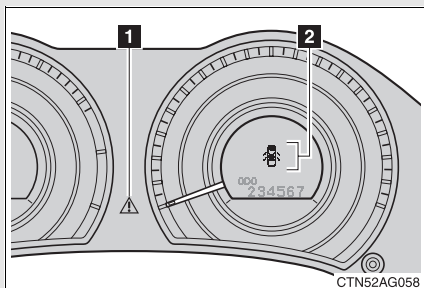
- If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash, even if a passenger is not sitting in the seat.
- If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

Not For Reproduction

5-2. Steps to take in an emergency

If a warning message is displayed (vehicles with Optitron type meters)

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



1 Master warning light

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

2 Multi-information display

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

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

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

Warning message	Details
The image shows a black rectangular box with the text 'CHECK BRAKE' in white capital letters. Below this box is a white square containing a black triangle with a black exclamation mark inside.	Indicates the following: • The brake fluid level is low; • The brake system is malfunctioning. A buzzer also sounds.

Stop the vehicle immediately.

The following warnings indicate the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Toyota dealer.

Warning message	Details
 	Indicates an abnormal engine oil pressure. A buzzer also sounds. The warning light may turn on if the engine oil pressure is too low.
 	Indicates a malfunction in the vehicle's charging system. A buzzer also sounds.

Have the vehicle inspected immediately.

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

Warning message	Details
CHECK STEERING LOCK  (vehicles with smart entry & start system)	Indicates a malfunction in the steering lock system. A buzzer also sounds.
CHECK AIRBAG 	Indicates a malfunction in: • The SRS airbag system; • The seat belt pretensioner system. A buzzer also sounds.
CHECK ENGINE 	Indicates a malfunction in: • The electronic engine control system; • The electronic throttle control system. A buzzer also sounds.
CHECK A B S 	Indicates a malfunction in the ABS. A buzzer also sounds.

Warning message	Details
CHECK POWER STEERING 	Indicates a malfunction in the EPS (Electric Power Steering) system. A buzzer also sounds.

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Follow the correction procedures.

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

Warning message	Details	Correction procedure
 	Indicates that one or more of the side doors is not fully closed. The system also indicates which doors are not fully closed. A buzzer also sounds.	Make sure that all of the side doors are closed.
 	Indicates that the trunk is not fully closed. A buzzer also sounds.	Close the trunk.
PARKING BRAKE ON 	Indicates that the parking brake is still engaged with the vehicle having reached a speed of more than 5 km/h (3 mph). A buzzer also sounds.	Release the parking brake.
LOW FUEL 	Indicates that remaining fuel is approximately 8.3 L (2.2 gal., 1.8 Imp. gal.) or less. A buzzer also sounds.	Refuel the vehicle.

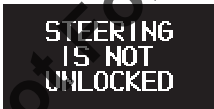
Follow the correction procedures. (vehicles with smart entry & start system)

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

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	—	 (comes on for 8 seconds.)	Indicates that the electronic key is not present when the engine switch is pressed.	Confirm the location of the electronic key.
Once	3 times		Indicates that a door other than the driver's door has been opened and closed with the engine switch in any mode other than OFF and the electronic key outside of the detection area.	Confirm the location of the electronic key.

5-2. Steps to take in an emergency

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	3 times	KEY NOT DETECTED  (For vehicles with an automatic transmission) 	Indicates that the driver's door has been opened or closed with the shift lever in P, the engine switch in any mode other than OFF and the electronic key outside of the detection area.	Turn the engine switch OFF or confirm the location of the electronic key.
Once	Continuous	KEY NOT DETECTED  SHIFT TO P RANGE (Displayed alternately) (For vehicles with an automatic transmission) 	Indicates that the driver's door has been opened or closed (with the shift lever out of in P, the engine switch in any mode other than OFF and the electronic key outside of the detection area).	• Shift the shift lever to P. • Confirm the location of the electronic key.
Once	—	LOW KEY BATTERY 	Indicates that the key battery is low.	Replace the battery. (→P. 236)

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	—	 (vehicles with an automatic transmission)	Indicates that a door has been opened or closed and the engine switch has been turned twice to the ACC mode from OFF.	Press the engine switch while applying the brakes.
Once	—	 (vehicles with a manual transmission)	Indicates that a door has been opened or closed and the engine switch has been turned twice to the ACC mode from OFF.	Press the engine switch while depressing the clutch pedal.
Once	—	 	Indicates that the steering lock has not released within 3 seconds of pressing the engine switch.	Press the engine switch again while turning the steering wheel with the brake pedal depressed.

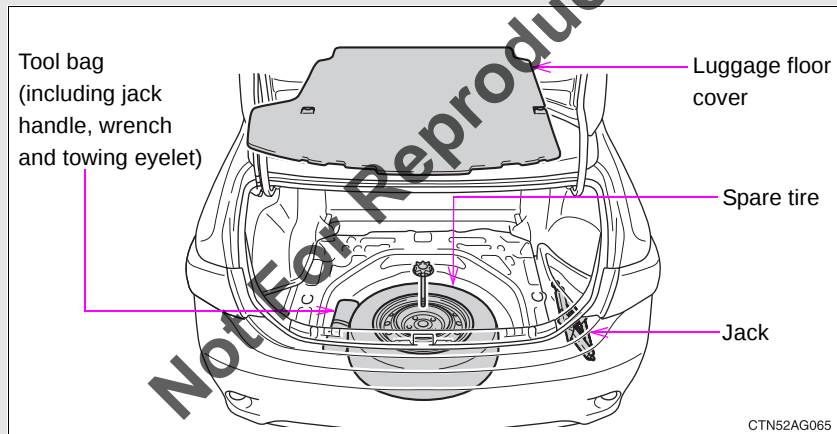
5-2. Steps to take in an emergency If you have a flat tire

Remove the flat tire and replace it with the spare provided.

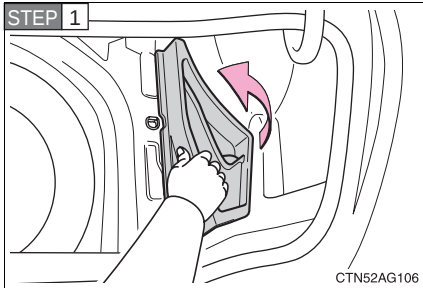
■ Before jacking up the vehicle

- 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.

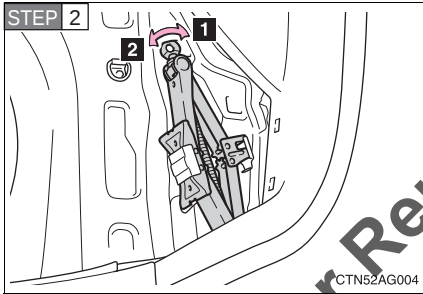
■ Location of the spare tire, jack and tools



Taking out the jack



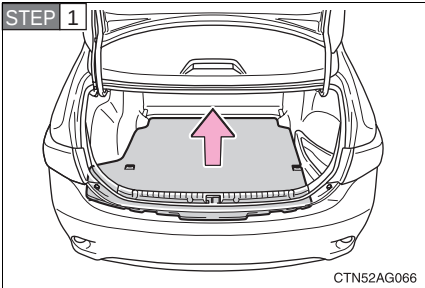
Remove the auxiliary box.



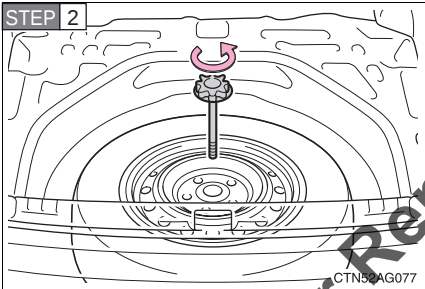
- 1** Loosen
- 2** Tighten

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Taking out the spare tire



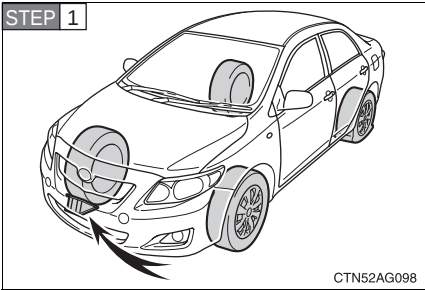
Remove the luggage floor cover.



Loosen the center fastener that secures the spare tire.

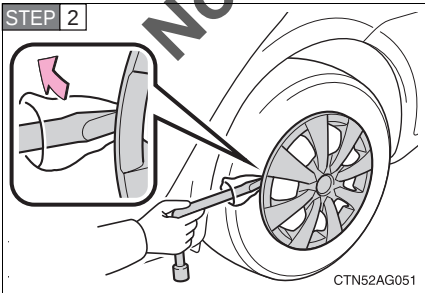
Not For Reproduction

Replacing a flat tire



Chock the tires.

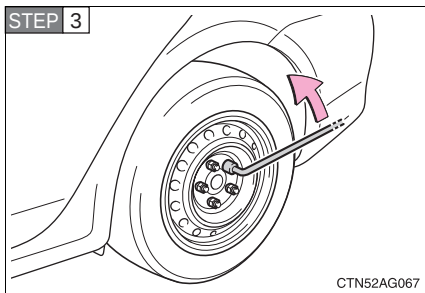
Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire



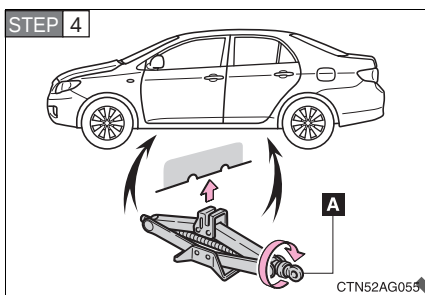
Vehicles with a steel wheel, remove the wheel ornament using the wrench.

To protect the wheel ornament, place a rag between the wrench and the wheel ornament, as shown in the illustration.

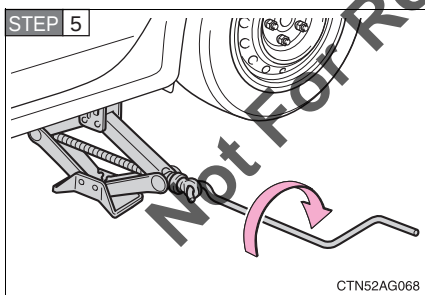
5-2. Steps to take in an emergency



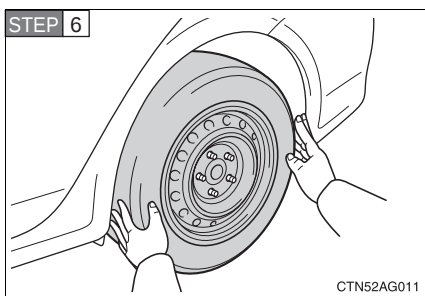
Slightly loosen the wheel nuts (one turn).



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



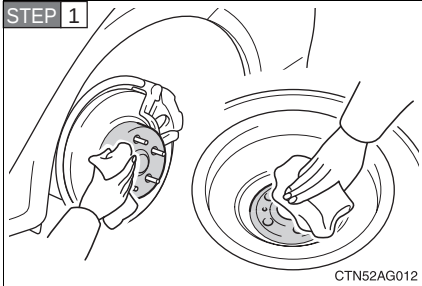
Raise the vehicle until the tire is slightly raised off the ground.



Remove all the wheel nuts and the tire.

When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.

Installing the tire

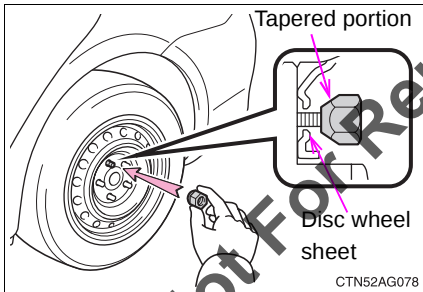


Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, and the tire may come off the vehicle.

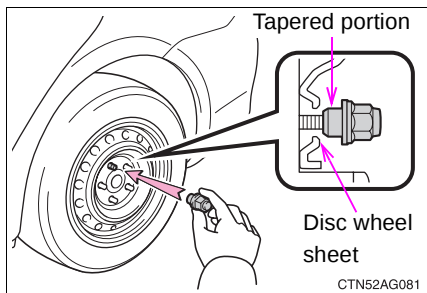
STEP 2 Install the tire and loosely tighten each wheel nut by hand by approximately the same amount.

► Replacing a steel wheel with a steel wheel



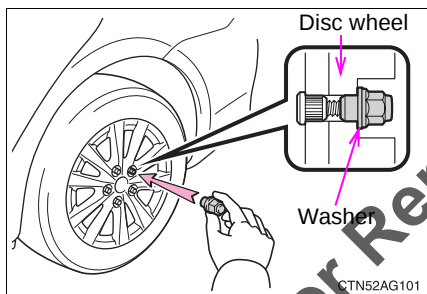
Tighten the nuts until the tapered portion comes into loose contact with the disc wheel sheet.

► Replacing an aluminum wheel with a steel wheel

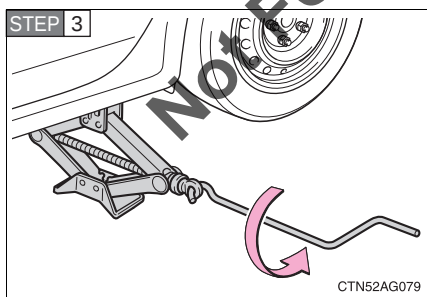


Tighten the nuts until the tapered portion comes into loose contact with the disc wheel sheet.

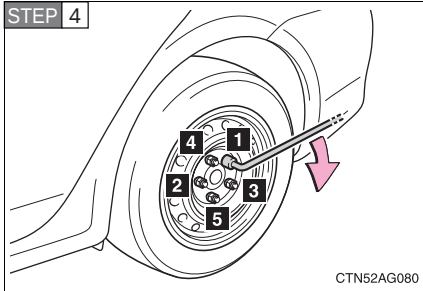
► Replacing an aluminum wheel with an aluminum wheel



Turn the nut washers until they come into contact with the disc wheel.



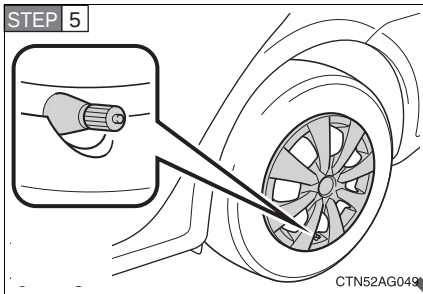
Lower the vehicle.



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

Tightening torque:

103 N•m (10.5 kgf•m, 76 ft•lbf)



Vehicles with a steel wheel, re-install the wheel ornament.

Align the cutout of the wheel ornament with the valve stem as shown.

STEP 6 Stow the flat tire, tire jack and all tools.

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 CAUTION

 Using the tire jack

Improper use of the tire jack may lead to death or injuries due to the vehicle suddenly falling off the jack.

-  Do not use the tire jack for any purpose other than replacing tires or installing and removing tire chains.
-  Only use the tire jack that comes with this vehicle for replacing a flat tire. Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
-  Always check that the tire jack is securely set to the jack point.
-  Do not put any part of your body under the vehicle supported by a jack. Use vehicle support stands.
-  Do not start or run the engine while your vehicle is supported by the jack.
-  Do not raise the vehicle while someone is in it.
-  When raising the vehicle, do not put an object on or under the jack.
-  Do not raise the vehicle to a height greater than that required to replace the tire.
-  Use a jack stand if it is necessary to get under the vehicle.

Take particular care when lowering the vehicle to ensure that no one working on or near the vehicle will be injured.

 CAUTION **Replacing a flat tire**

Observe the following precautions to reduce the risk of injury.

- **Never use oil or grease on the wheel bolts or wheel nuts.**
The oil or grease can cause the wheel nuts to loosen, causing a serious accident.
Remove any oil or grease on the wheel bolts or wheel nuts.
- **Have the wheel nuts tightened with a torque wrench to 103 N•m (10.5 kgf•m, 76 ft•lbf) as soon as possible after changing wheels.**
Failure to follow these precautions could cause the nuts to loosen and the wheel may fall off, which could lead to an accident causing death or serious injury.

 NOTICE **Do not drive the vehicle with a flat tire.**

Do not continue driving with a flat tire.
Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair.

5-2. Steps to take in an emergency

If the engine will not start

If the engine still does not start after following the correct starting procedure (→P. 89, 93) or releasing the steering lock (→P. 91, 94), confirm the following points.

■ **The engine will not start even when 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 once more following correct starting procedures. (→P. 89, 93)
- There may be a malfunction in the engine immobilizer system.
(→P. 41)

■ **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. 299)
- The battery terminal connections may be loose or corroded.

■ **The starter motor does not turn over (automatic transmission vehicles with smart entry & start system).**

The engine starting system may be malfunctioning due to an electrical problem such as an open circuit or a blown fuse. However, a interim measure is available to start the engine.
(→P. 89)

■ **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. 299)
- There may be a malfunction in the steering lock system (vehicles with smart entry & start system).

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

Emergency start function (automatic transmission vehicles with smart entry & start system)

When the engine does not start, the following steps can be used as an interim measure to start the engine if the engine switch is functioning normally.

- STEP 1** Set the parking brake.
- STEP 2** Shift the shift lever to P.
- STEP 3** Set the engine switch to the ACC mode.
- STEP 4** Push and hold the engine switch about 15 seconds while depressing the brake pedal firmly.

Even if the engine can be started using the above steps, the system may be malfunctioning. Have the vehicle checked by your Toyota dealer.

5-2. Steps to take in an emergency

If the shift lever cannot be shifted from P (vehicles with an automatic transmission)

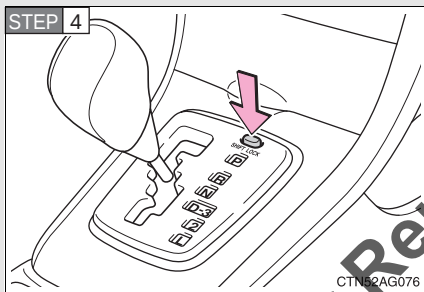
If the shift lever cannot be shifted with your foot on the brake, there may be a problem with the shift lock system (a system to prevent accidental operation of the shift lever). Have the vehicle inspected by your Toyota dealer.

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 Start the engine.

STEP 3 Depress the brake pedal.



Press the shift lock override button.

The shift lever can be shifted while the button is pressed.

5-2. Steps to take in an emergency

If you lose your keys

New genuine Toyota keys can be made by your Toyota dealer using one of the other keys or the key number stamped on your key number plate.

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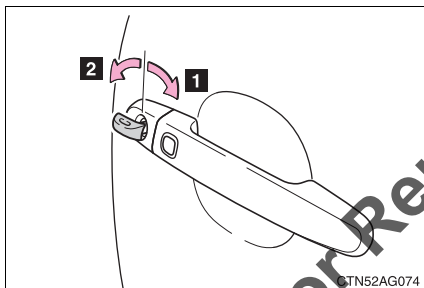
5-2. Steps to take in an emergency

If the electronic key does not operate properly (vehicles with smart entry & start system)

If communication between the electronic key and vehicle is interrupted (→P. 8) or the electronic key cannot be used because the battery is depleted, the smart entry & start system and wireless remote control cannot be used. In such cases, the doors and trunk can be opened or the engine can be started by following the procedure below.

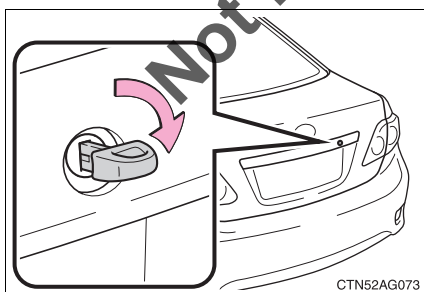
Locking and unlocking the doors and opening the trunk with the mechanical key

► Doors



- 1** Locks all doors
- 2** Unlocks all doors

► Trunk

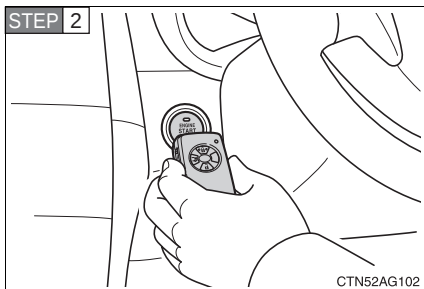


Turn the mechanical key clockwise to open.

Changing engine switch modes and starting the engine

STEP 1 Vehicles with an automatic transmission: Shift the shift lever to P and apply the brakes.

Vehicles with a manual transmission: Depress the clutch pedal.



Touch the Toyota emblem side of the electronic key to the engine switch.

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

STEP 3 To change engine switch modes: Within 5 seconds of the buzzer sounding, release the brake pedal and press the engine switch. Modes can be changed each time the switch is pressed. (→P. 90)

To start the engine: Press the engine switch within 5 seconds after the buzzer sounds, keeping the brake pedal depressed.

In the event that the engine switch still cannot be operated, contact your Toyota dealer.

Stopping the engine

► Vehicles with an automatic transmission

Shift the shift lever to P and press the engine switch as you normally do when stopping the engine.

► Vehicles with a manual transmission

Shift the shift lever to N and press the engine switch as you normally do when stopping the engine.

■ **Replacing the key battery**

As the above procedure is the temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery depletes. (→P. 236)

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5-2. Steps to take in an emergency

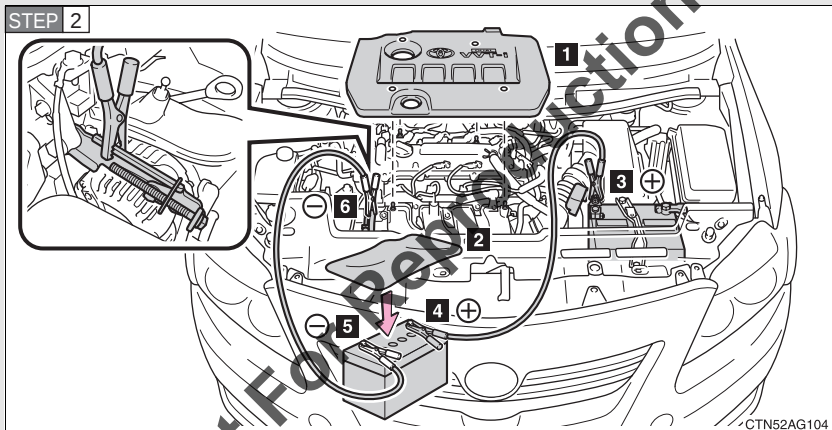
If the battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.

You can call your Toyota dealer, Roadside Assistance or Toyota Customer Service Assistance.

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your Toyota following the steps below.

STEP 1 Remove the battery cover. (→P. 215)



Connecting the jumper cables

- 1** Remove the engine cover
- 2** If required, remove all vent plugs from the booster battery. Lay a cloth over the open vents on the booster battery. (This helps reduce the explosion hazard, personal injuries and burns.)
- 3** Positive (+) battery terminal on your vehicle
- 4** Positive (+) battery terminal on the second vehicle
- 5** Negative (-) battery terminal on the second vehicle
- 6** Connect the jumper cable to ground on your vehicle 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 smart entry & start system — Open and close any of the doors with the engine switch OFF.

STEP 5 Maintain the engine speed of the second vehicle and turn the engine switch to ON mode, then start the vehicle's engine.

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

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

■ **Avoiding a discharged battery**

- Turn off the headlights and the audio system while the engine is turned off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic, etc.

 CAUTION**■ Avoiding battery fires or explosions**

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

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

■ Battery precautions

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

- 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.



NOTICE

■ **To prevent damaging the vehicle**

Do not pull- or push-start the vehicle, because the catalytic converter may overheat and become a fire hazard.

■ **When handling jumper cables**

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

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5-2. Steps to take in an emergency

If your vehicle overheats

If your engine overheats:

STEP 1 Stop the vehicle in a safe place and turn off the air conditioning system.

STEP 2 Check to see if steam is coming out from under the hood.

If you see steam:

Stop the engine and carefully lift the hood.

If you do not see steam:

Leave the engine running and carefully lift the hood.

STEP 3 Remove the engine compartment cover. (→P. 215)

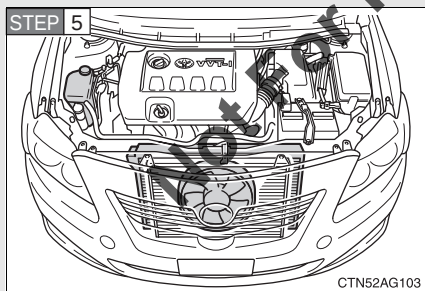
STEP 4 Check to see if the cooling fan is operating.

If the fan is operating:

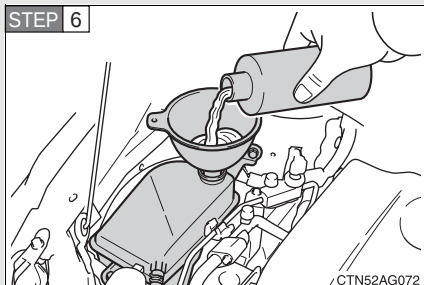
Wait until the temperature of the engine (shown on the instrument cluster) begins to fall and then stop the engine.

If the fan is not operating:

Stop the engine and call your Toyota dealer.



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



Add engine coolant if necessary.

Water can be used in an emergency if engine coolant is unavailable. (→P. 314)

Have the vehicle checked at the nearest your Toyota dealer.

■ Overheating

If you observe the following, your vehicle may be overheating.

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

⚠ CAUTION

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

- Keep hands and clothing away from the fan and other belts while the engine is running.
- 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.

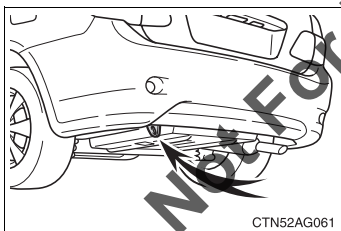
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5-2. Steps to take in an emergency If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt, or snow.

- STEP 1** Stop the engine. Set the parking brake and put the shift lever in 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 to help provide traction under the tires.
- 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 carefully apply the accelerator to free the vehicle.

■ Emergency hook



When your vehicle becomes stuck and cannot move, the emergency hook is used for another vehicle to pull your vehicle out in an emergency. Your vehicle is not designed to tow another vehicle.

 CAUTION**■ When attempting to free a stuck vehicle**

If you choose to rock the vehicle back and forth to free it, make sure the surrounding area is clear, to avoid striking other vehicles, objects or persons. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

■ When shifting the shift lever

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 and result in death or serious injury.

 NOTICE**■ To avoid damaging the transmission and other components**

- Avoid spinning the wheels and do not rev the engine.
- If the vehicle remains stuck after trying these procedures, the vehicle may require towing to be freed.

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Vehicle specifications

6

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6-1. Specifications

Maintenance data

Dimensions and weight

Overall length		4540 mm (178.7 in.)
Overall width		1760 mm (69.3 in.)
Overall height ^{*1}		1475 mm (58.1 in.)
Wheelbase		2600 mm (102.4 in.)
Tread	Front	1535 mm (60.4 in.) ^{*2} 1525 mm (60.0 in.) ^{*3}
	Rear	1535 mm (60.4 in.) ^{*2} 1520 mm (59.8 in.) ^{*3}

*1: Unladen vehicles

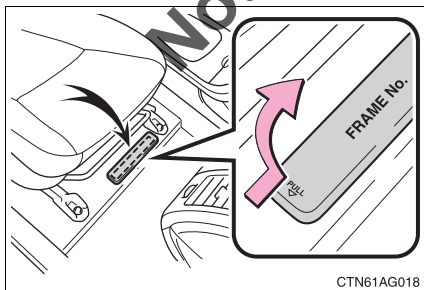
*2: 195/65R15 tires

*3: 205/55R16 tires

Vehicle identification

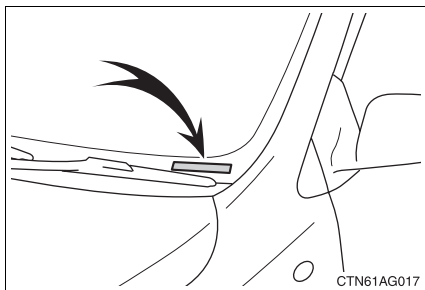
■ Vehicle identification number

The vehicle identification number (VIN) is the legal identifier for your vehicle. This is the primary identification number for your Toyota. It is used in registering the ownership of your vehicle.

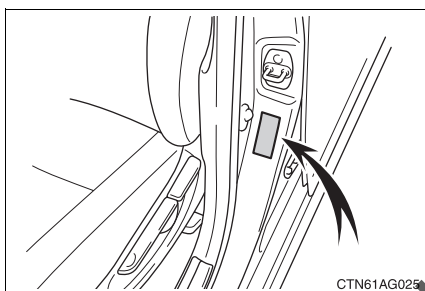


This number is stamped under the right-hand front seat.

CTN61AG018



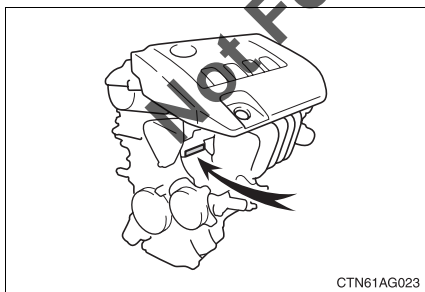
This number is also stamped on the top left of the instrument panel.



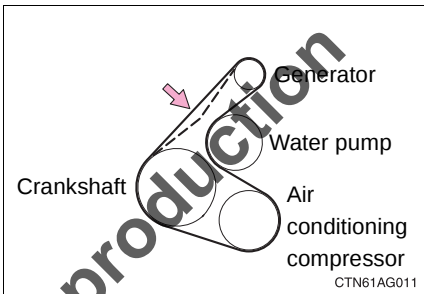
This number is also on the manufacturer's label on the left-hand side center pillar.

■ Engine number

The engine number is stamped on the engine block as shown.



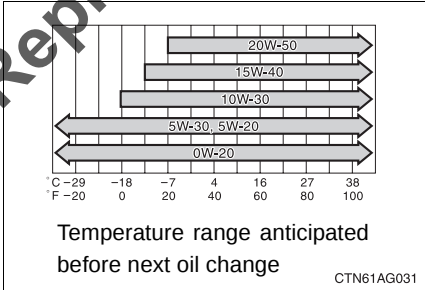
Engine

Model	2ZR-FE
Type	4-cylinder in line, 4-cycle, gasoline
Bore and stroke	80.5 × 88.3 mm (3.17 × 3.48 in.)
Displacement	1798 cm ³ (109.7 cu.in.)
Drive belt tension	8.0 — 10.0 mm (0.31 — 0.39 in.)*  CTN61AG011 *: Drive belt deflection with 98 N (10 kgf, 22 lbf) thumb force (used belt)

Fuel

Fuel type	Unleaded gasoline only
Research octane number	91 or higher
Fuel tank capacity (Reference)	55 L (14.5 gal., 12.1 Imp.gal.)

Lubrication system

Oil capacity (Reference) (drain and refill) ► With filter ► Without filter	4.2 L (4.4 qt., 3.7 Imp.qt.) 3.9 L (4.1 qt., 3.4 Imp.qt.)
Oil grade	20W-50 and 15W-40: API grade SL or SM multigrade engine oil 10W-30, 5W-30, 5W-20 and 0W-20: API grade SL “Energy-Conserving”, SM “Energy-Conserving” or IL SAE multigrade engine oil
Recommended oil viscosity	Use Toyota approved “Toyota Genuine Motor Oil” or equivalent to satisfy the grade and vis- cosity shown below. 

Oil viscosity

- The 5W portion of the oil viscosity rating indicates the characteristic of the oil which allows cold startability. Oils with a lower value before the W allow for easier starting of the engine in cold weather.
- The 30 in 5W-30 indicates the oil viscosity when the oil is at its operating temperature. An oil with a higher viscosity may be better suited if the vehicle is operated at high speeds, or under extreme load condition.

Cooling system

Capacity (Reference)	▶ Vehicles with an automatic transmission 5.5 L (5.8 qt., 4.8 Imp.qt.) ▶ Vehicles with a manual transmission 5.6 L (5.9 qt., 4.9 Imp.qt.)
Coolant type	Use either of the following. • “Toyota Super Long Life Coolant” • Similar high-quality ethylene glycol-based non-silicate, non-amine, non-nitrite, and non-borate coolant with long-life hybrid organic acid technology Do not use plain water alone.

Ignition system

Spark plug	DENSO SC20HR11
Make	
Gap	



NOTICE

■ Iridium-tipped spark plugs

Use only iridium-tipped spark plugs. Do not adjust gap when tuning engine.

Electrical system

Battery	
Specific gravity reading at 20°C (68°F):	1.250 — 1.290 Fully charged 1.160 — 1.200 Half charged 1.060 — 1.100 Discharged
Charging rates	
Quick charge	15 A max.
Slow charge	5 A max.

Manual transaxle

Gear oil capacity (Reference)	2.3 L (2.4 qt., 2.0 Imp.qt.)
Gear oil type	TOYOTA Genuine Manual Transmission Gear Oil LV API GL-4
Recommended gear oil viscosity	SAE 75W

NOTICE

Manual transaxle gear oil type

Using manual transmission gear oil other than “TOYOTA Genuine Manual Transmission Gear Oil LV API GL-4 SAE 75W” may cause occurrence of idle rattling noise and bad fuel consumption.

Automatic transaxle

Fluid capacity Drain and refill	2.5 L (2.6 qt., 2.2 Imp.qt.)
Fluid type	Toyota Genuine ATF WS

NOTICE

Automatic transmission fluid type

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

Clutch

Pedal free play	5 — 15 mm (0.2 — 0.6 in.)
Fluid type	SAE J1703 or FMVSS No.116 DOT 3

Brakes

Pedal clearance * ¹	64 mm (2.52 in.) Min.
Pedal free play	1 — 6 mm (0.04 — 0.24 in.)
Parking brake lever travel * ²	6 — 9 clicks
Fluid type	SAE J1703 or FMVSS No.116 DOT 3

*¹: Minimum pedal clearance when depressed with a force of 294 N (30 kgf, 66 lbf) while the engine is running

*²: Parking brake lever travel when pulled up with a force of 200 N (20.4 kgf, 45.0 lbf)

Steering

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

Tires and wheels

Tire size	195/65R15 91H, 205/55R16 91V		
Tire inflation pressure (Recommended cold tire inflation pressure)*	Vehicle speed	Front wheel kPa (kgf/cm ² or bar, psi)	Rear wheel kPa (kgf/cm ² or bar, psi)
	More than 160 km/h (99 mph)	250 (2.5, 36)	250 (2.5, 36)
	160 km/h (99 mph) or less	220 (2.2, 32)	220 (2.2, 32)
Wheel size	15 × 6 J, 16 × 6 1/2 J		
Wheel nut torque	103 N•m (10.5 kgf•m, 76 ft•lbf)		

*: 4 passengers and full loaded or 5 passengers and full loaded

■ When towing a trailer

Add 20.0 kPa (0.2 kgf/cm² or bar, 3 psi) to the recommended tire inflation pressure, and drive at speeds below 100 km/h (62 mph).

Light bulbs

	Light Bulbs	W	Type
Exterior	Headlights		
	Low beam (halogen bulbs)	51	A
	Low beam (discharge bulbs)	35	B
	High beam	60	C
	Front fog lights	55	D
	Front position lights	5	E
	Front turn signal lights	21	F
	Side turn signal lights	5	F
	Stop/tail lights	21/5	E
	Rear turn signal lights	21	G
Interior	Back-up light	16	E
	License plate lights	5	E
	Vanity lights	8	E
	Interior lights	8	H
	Personal lights	8	E
	Trunk light	3.8	E

A: HB4 halogen bulbs

C: HB3 halogen bulbs

E: Wedge base bulbs (clear)

G: Single end bulbs (clear)

B: D4R discharge bulbs

D: H11 halogen bulbs

F: Wedge base bulbs (amber)

H: Double end bulbs

6-1. Specifications

Fuel information

Your vehicle must use only unleaded gasoline.

For optimum engine performance, select unleaded gasoline with a Research Octane Number of 91 or higher.

■ Fuel tank opening for unleaded gasoline

To help prevent incorrect fueling, your Toyota has a fuel tank opening that only accommodates the special nozzle on unleaded fuel pumps.

■ If your engine knocks

- Consult your Toyota dealer.
- You may occasionally notice light knocking for a short time while accelerating or driving uphill. This is normal and there is no need for concern.



NOTICE

■ Notice on gasoline quality

Do not use leaded gasoline.

Leaded gasoline will cause the catalytic converter to lose its effectiveness and emission control system to function improperly.

6-2. Customization

Customizable features

Your vehicle includes a variety of electronic features that can be personalized to your preferences. Programming these preferences requires specialized equipment and may be performed by an authorized Toyota dealership.

Some function settings are changed simultaneously with other functions being customized. Contact your Toyota dealer for further details.

Item	Function	Default setting	Customized setting
Smart entry & start system (→P. 4)	Smart entry & start system	ON	OFF
	Operation signal • Emergency flashers • Buzzer	ON	OFF
Wireless remote control (→P. 13)	Wireless remote control	ON	OFF
	Time elapsed before automatic door lock function is activated if door is not opened after being unlocked	30 seconds	60 seconds
			120 seconds
	Operation signal • Emergency flashers • Buzzer (vehicles with smart entry & start system)	ON	OFF
	Door lock buzzer (vehicles with smart entry & start system)	ON	OFF

Item	Function	Default setting	Customized setting
Wireless remote control (→P. 13)	Trunk unlocking function (vehicles with smart entry & start system)	ON	OFF
	Trunk unlocking operation (vehicles with smart entry & start system)	Push and hold	Push twice
			One short push
Automatic light control system (→P. 122)	Light sensor sensitivity	Level 3	Level 1 to 5
Illumination (→P. 185)	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 turned OFF	ON	OFF

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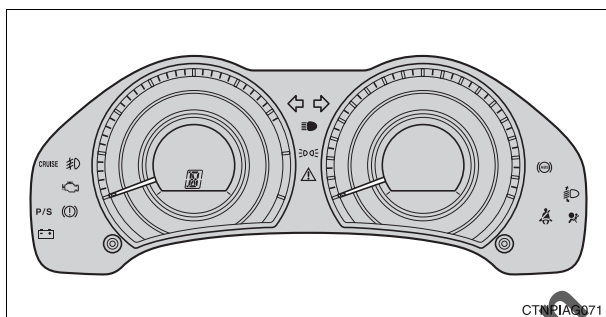
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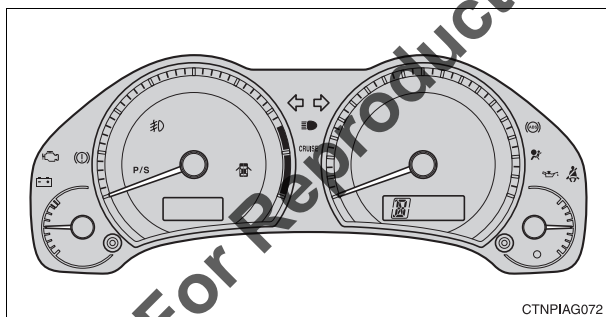
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► Vehicles with Optitron type meters



► Vehicles without Optitron type meters



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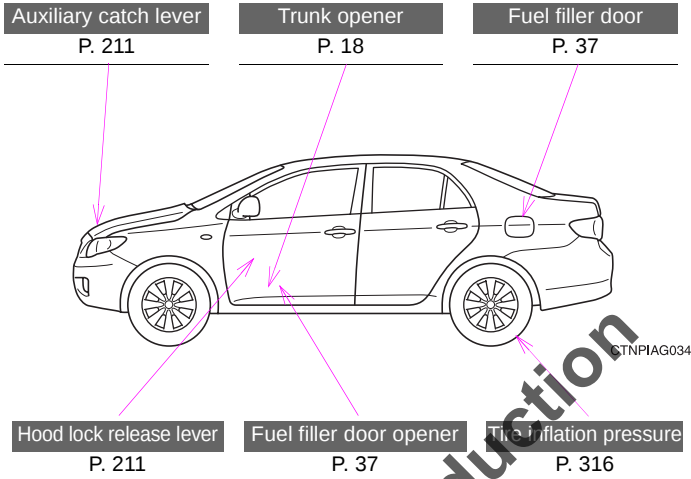
The warning message is displayed

P. 274 If a warning message is displayed

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GAS STATION INFORMATION



Fuel tank capacity (Reference)	55 L (14.5 gal., 12.1 Imp.gal.)
Fuel type	Unleaded gasoline, Research Octane Number 91 or higher P. 38, 312
Cold tire inflation pressure	P. 316
Engine oil capacity (Drain and refill)	L (qt., Imp.qt.) With filter 4.2 (4.4, 3.7) Without filter 3.9 (4.1, 3.4)
Engine oil type	Toyota Genuine Motor Oil or equivalent Oil grade: P. 313 20W-50 and 15W-40: API grade SL or SM multigrade engine oil 10W-30, 5W-30, 5W-20 and 0W-20: API grade SL "Energy-Conserving", SM "Energy-Conserving" or ILSAC multigrade engine oil

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Publication No. OM12A43E

Part No.01999-12A43E

Printed in Japan

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